Water Source Master Planning & Hydrogeologic Study

for the

Colorado City, Arizona and Hildale, Utah Area

Prepared for:

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March 23, 2016

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EXECUTIVE SUMMARY

Groundwater is the source of drinking water for the community consisting of Colorado City, Arizona and Hildale City, Utah. A need for additional groundwater supply for the community has been projected and potential locations for future groundwater development have been identified.

Groundwater in the project area is found in the Navajo Sandstone of the northern portion of the study area, in the alluvial aquifer within a portion of the study area, and the Shinarump aquifer throughout the study area. The Navajo Sandstone aquifer is located in a mountainous area where it is not practically feasible to install vertical wells. Spring development is the best option for groundwater development from the Navajo Sandstone aquifer.

The alluvial aquifer consists of shallow water-bearing strata with a thickness of less than 100 feet. Groundwater in the aquifer moves toward the southwest, generally parallel to Short Creek. The alluvial aquifer within the study area receives recharge primarily from surface runoff from Short Creek, local precipitation, and local unconsumed irrigation water.

The Shinarump aquifer is a confined aquifer. Groundwater in the aquifer moves toward the northwest. The Shinarump aquifer receives recharge from the south beyond the study area where the Shinarump sandstone is exposed.

A numerical groundwater flow model was developed on the basis of results from previous studies and data collected during this study to simulate the groundwater system in the Colorado City / Hildale area. The principal objective of the modeling approach was to assess the potential effects of proposed new wells on the water table of the alluvial aquifer and the potentiometric surface of the Shinarump aquifer.

The model was calibrated using the water level data collected on March 11, 2015. Five 20-year transient-state models were then run to simulate water level decline in the alluvial and Shinarump aquifers based on the addition of new water sources (wells) as required by future water demand. The pumping rate from each well was estimated based on the average water demand projected for the community. The simulated results present the average groundwater conditions. Since the pumping rate may change during the year, the actual water level decline at each well may change with time during the year. The model did not simulate water level decline based on the time of year. Overall, the water level will decline in both aquifers with time. By the end of the 100-year simulation time, the water level of the alluvial aquifer will decline by 1-21 feet, and the potentiometric surface of the Shinarump aquifer will decrease by 13-33 feet within the model domain.

Based on the simulated results, the following is recommended:

- Artificial recharge projects are recommended to be implemented along Short Creek before 2034 to increase recharge to the alluvial aquifer. It is recommended that a linear park be constructed along Short Creek and stormwater retention ponds be constructed within the park.

- The modeling results indicate that the Shinarump aquifer will not sustain the proposed water production in the long run. To meet the 100-year water demand, other water sources will need to be considered.
- It is recommended that the water table conditions of the alluvial aquifer and the potentiometric surface of the Shinarump aquifer be monitored over time and as more wells are developed. The groundwater model may be updated to improve the predictive results of the modeling.
- In the future, water source development alternatives should consist of the following:
    - Spring development from the Navajo Sandstone aquifer should be considered the highest priority for future source development options. However, since the area of spring development is located on public lands administered by the U.S. Bureau of Land Management (BLM), obtaining approval from BLM may take a long time. Moreover, there is the possibility that spring development may reduce recharge to the alluvial aquifer. It should be noted that the impact of spring development from the Navajo Sandstone aquifer cannot be evaluated in the modeling effort at this time since there is no established relationship between spring water production from the Navajo Sandstone aquifer and the recharge to the alluvial aquifer. This potential impact will need to be monitored after springs are developed.
    - Installation of not more than two new wells in the alluvial aquifer and not more than two new wells in the Shinarump aquifer in addition to the Academy Well. The modeling results indicate that installation of more wells in alluvial aquifer or the Shinarump aquifer will very likely adversely impact the production of the existing wells.

Other alternatives such as wastewater reuse and deep wells were also evaluated. The wastewater has been characterized to have a high concentration of total dissolved solids (TDS). Therefore, it is not beneficial to reuse the wastewater unless appropriate treatment of the wastewater is performed. Relative to a deep well option, a test well drilled to a depth of 3,250 feet below grade in Hildale showed a depth to groundwater in the deep limestone aquifer of approximately 1,900 feet. Development of deep wells is not recommended at the present time due to the prohibitively high cost of pumping and potential high TDS concerns.

1 INTRODUCTION

Sunrise Engineering, Inc. (Sunrise) was retained by Colorado City, Arizona to conduct a hydrogeologic study in the area of Hildale, Utah and Colorado City, Arizona.

1.1 Background and Understanding

Hildale City is located along Highway 59 in Washington County in southwestern Utah. The Town of Colorado City neighbors Hildale to the south, just across the Utah-Arizona State line, and is located in Mohave County in northwestern Arizona. Twin City Water Works, Inc. (TCWW) owns and operates culinary water sources within the limits of Hildale, Utah and Colorado City, Arizona. Hildale City and the Town of Colorado City have owned and operated the culinary water distribution systems within their respective boundaries and perform the day-to-day operation and maintenance of the distribution systems. TCWW operates as a supplier of water to Hildale City and the Town of Colorado City although Hildale City pumps groundwater through one city owned well.

Groundwater is currently the primary source of drinking water for Hildale, Utah and Colorado City, Arizona (Sunrise, 2014) in the Upper Virgin River basin (Figure 1). Groundwater is derived by springs and wells.

There are three groundwater systems in the study area from which municipal water sources are derived, including the Navajo Sandstone aquifer, Shinarump aquifer and the alluvial aquifer. Groundwater in the shallow alluvial aquifer may be hydraulically linked to surface water resources such as Short Creek that flows through the area. In many situations, surface water features (ponds or streams) gain water from groundwater systems, whereas in other situations, surface water features are a source of groundwater recharge. As a result, withdrawal of water from streams can deplete groundwater, and pumping of groundwater can deplete water in streams. Surface water ponds and Short Creek in the study area are likely sources of groundwater recharge.

Presently, the Shinarump aquifer is the major source of culinary water for TCWW. There are five wells in the Shinarump aquifer (Wells: 17, 19, 21, 22, and the Power Plant Well) with a combined capacity of approximately 920 gallons per minute (gpm). TCWW derives approximately 620 gpm of water from six wells in the alluvial aquifer (Wells: 4, 8, 10, 11, 15, and 24). TCWW also derives 80 gpm of water from two springs in the Navajo Sandstone aquifer (Jans Canyon Spring and Maxwell Canyon Spring). The total production from the existing sources is approximately 1,620 gpm. Table 1-1 summarizes the capacity of the existing sources.

Table 1-1. Existing Water Source Capacity

Source # / Name	Capacity	
	ft^3 / sec (cfs)	gpm
4	0.334	150
8	0.134	60
10	0.189	85
11	0.334	150
15	0.056	25
24	0.334	150
17	0.178	80
19	0.323	145
21	0.468	210
22	0.412	185
Power Plant Well	0.670	300
Jans Spring	0.036	16
Maxwell Spring	0.143	64
Source Total	3.584	1,620

Based on historic water use data and projected population growth, Sunrise (2014) has estimated that the combined water source capacity requirement for Hildale City and the Town of Colorado City will be approximately 2,400 gpm by 2034, resulting in a projected culinary system source capacity deficit of approximately 780 gpm.

As Hildale City and the Town of Colorado City will need to develop more sources to meet the future culinary and secondary water demand in their water systems, city officials are concerned about the potential depletion of local groundwater resources or a significant decline of the water table (or potentiometric surface). City officials would also like to explore alternative sources of drinking water to meet the projected future culinary demands.

1.2 Purpose and Scope

The report documents the development of conceptual and numerical models of groundwater flow in the Hildale, Utah and Colorado City, Arizona area. The report also describes the application of a numerical groundwater flow model to estimate potential groundwater level changes that could be induced by groundwater withdrawals at existing wells and potential future wells in the area. The study documented in this report includes:

1. Measurement and evaluation of general water-level conditions and patterns of groundwater flow in the alluvial and Shinarump sandstone aquifers in the study area,
2. Estimation of properties of the alluvial and Shinarump aquifers at four existing wells from pumping tests,

3. Synthesis of data collected in (1) and (2) above in a numerical groundwater model, and
4. Application of the model to evaluate groundwater conditions in the alluvial and Shinarump aquifers including existing and proposed new wells.

The report includes a discussion of the limitations of the model as an accurate representation of the study-area groundwater flow systems, and as a tool for predicting the effects of hydrologic stresses, including pumping.

2 HYDROLOGIC SETTING

The study area (Figure 1) lies in the southeastern part of Washington County, Utah and the northwestern part of Mohave County, Arizona. The study area setting (Figure 2) is characterized by the steeply sloping Vermillion Cliffs of the Canaan Mountain Range to the north and northeast, the moderately to steeply sloping Lost Spring Mountain Range to the south and southwest, and the gently sloping alluvial valley. Short Creek runs through the study area.

The area is also characterized by broad plateaus and mesas that have been dissected by surface water features (e.g., rivers, streams). The Vermillion Cliffs in the area are a result of the dissection. According to Montgomery (1986), the broad plateaus are the south-southwestern limb of a large, structural basin containing rock strata that dip gently toward the northeast. The plateaus are within the southwestern part of the larger Colorado Plateau that extends over all of southeastern Utah, western Colorado, northern Arizona and northwestern New Mexico. Gradual uplift with associated, extensive normal faulting has elevated the plateaus into mountains that have subsequently been dissected and gradually eroded downward by stream action, forming the present-day topography of mesas, escarpments and valleys. The study area is on one of the large step blocks situated between the northerly trending Hurricane Fault approximately 18 miles to the west, and the Sevier Fault 14 miles to the east.

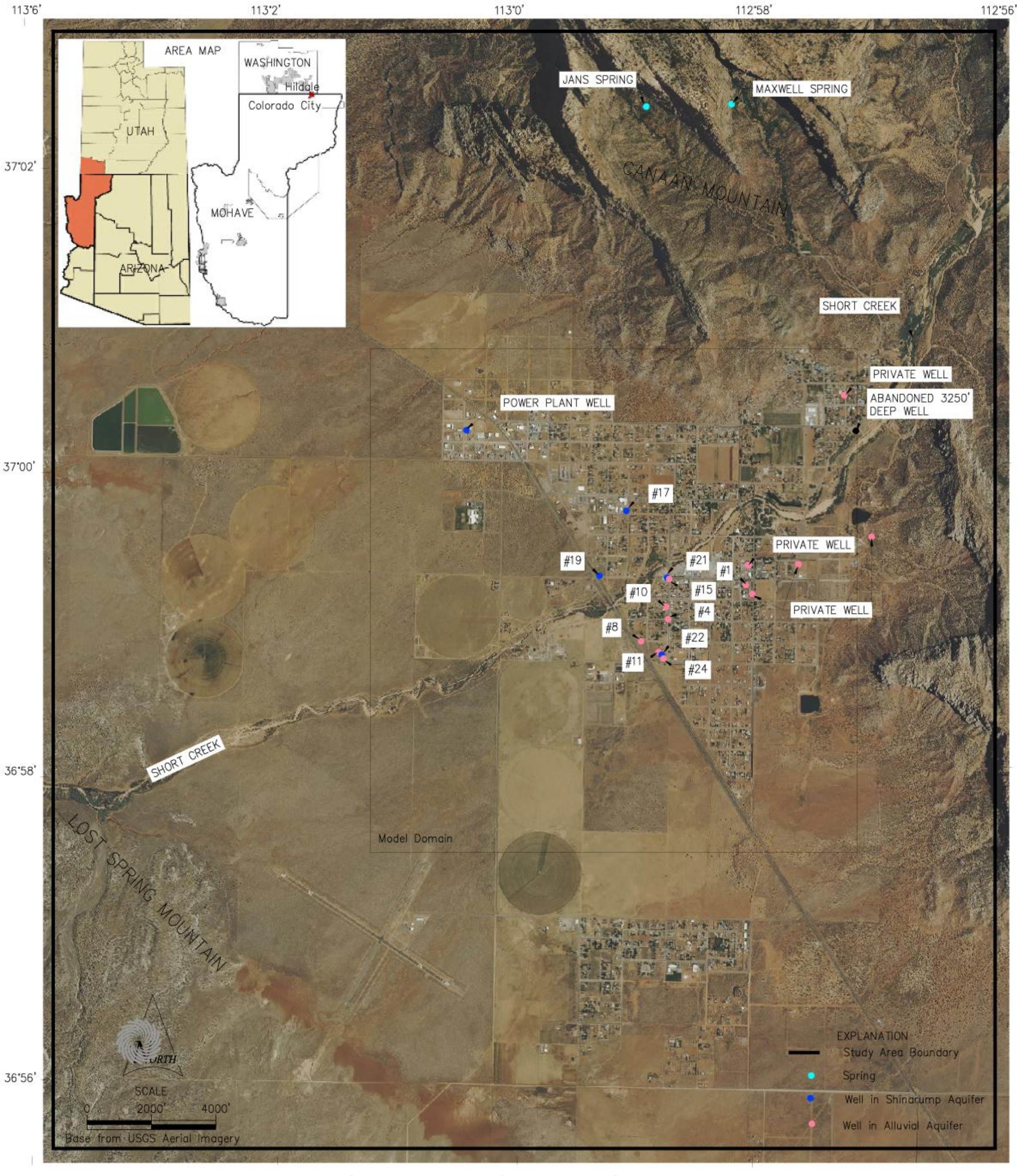


Figure 1. Location of Study Area

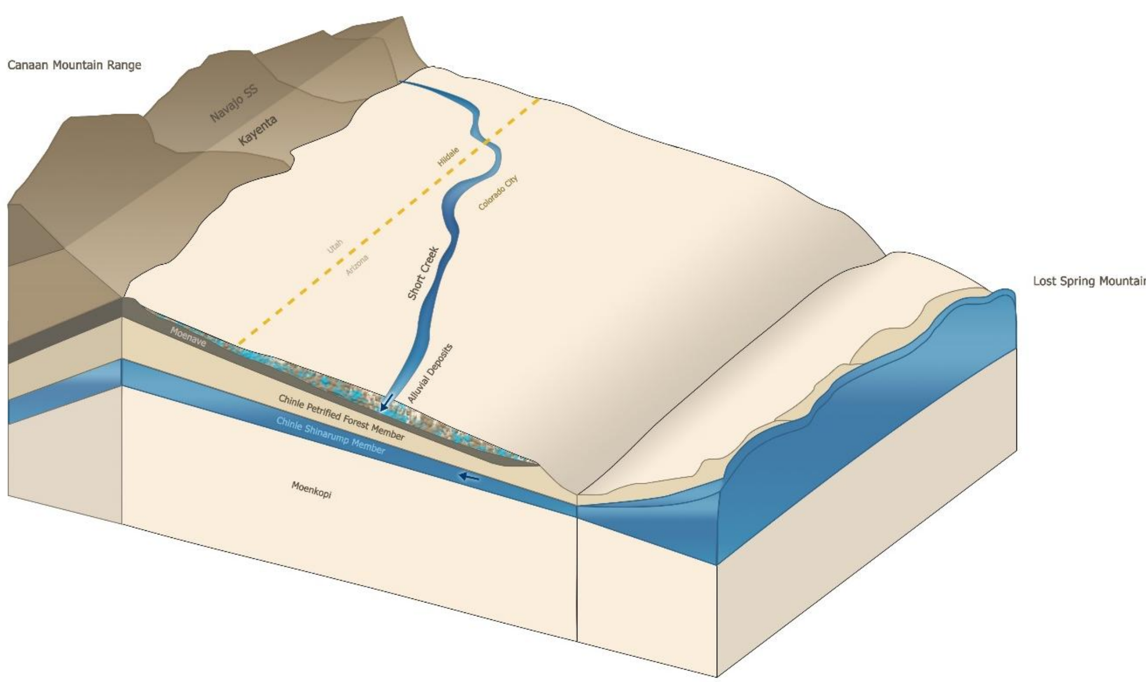


Figure 2. Conceptualized Study Area Hydrogeologic Setting and Groundwater System

According to Montgomery (1986) and Spencer (1997) and as shown in Figure 2, rock strata which have effects on the groundwater, from oldest to youngest (lowest to highest in exposure), can be described as follows:

1. The Triassic-age Moenkopi Formation outcrops 4-5 miles to the west and consists of siltstone, shale, very fine-grained sandstone, gypsum and minor limestone, and low porosity, about 1,700 feet thick;
2. The Triassic-age Shinarump Member of the Chinle Formation outcrops to the south and southwest of the valley and consists of medium-coarse grained, conglomeratic sandstone and conglomerate with fossilized wood and moderate-high porosity, 130-250 feet thick;
3. The Triassic-age Petrified Forest Member of the Chinle Formation outcrops to the south and southwest of the valley and consists of bentonitic shale, siltstone and minor sandstone, having scattered gypsum, and low-nil porosity, up to 350 feet thick;
4. The Jurassic-age Moenave Formation outcrops on the base of the Canaan Mountain Range to the north of Hildale and consists of siltstone, shale and fine-coarse grained sandstone with some conglomerate, and low-moderate porosity, about 300-400 feet thick;
5. The Jurassic-age Kayenta Formation outcrops on the slopes of the Canaan Mountain Range and consists of siltstone and shale with very fine-grained sandstone, and low-moderate porosity, about 700 feet thick; and

6. The Jurassic Navajo Sandstone outcrops above the Kayenta Formation on the Canaan Mountain Range and consists of fine, sub-rounded grained, massive-bedded, quartzose sandstone, loosely cemented with small-high porosity depending on the amount of jointing present, up to 2,000 feet thick.
7. Un-conformably overlying any of the above formations within the broad strike valley to the northwest and to the south of Hildale/Colorado City, through which Highway 59 passes, and within the bottom of Short Creek Canyon, is the Quaternary-age alluvium consisting of sand, clay, silt and gravel of varying thickness from 0-100 feet, with moderate to high porosity.

The climate of the study area is semi-arid. According to the weather records (between July 1, 1950 and January 31, 2012) collected at the Colorado City, Arizona weather station (Western Regional Climate Center, 2015), temperatures during the winters are cool with periods of very cold weather, while summers are dry and hot. Average winter temperatures (minimum/maximum) in January are 23.5/47.6 degrees Fahrenheit (°F), while July temperatures (minimum/maximum) are 60.9/93.0°F. Mean annual precipitation is 13.45 inches based on the available record (1950-2012). Elevations within the project area range from 4,830 feet above mean sea level in the southern part of the valley and 7,140 feet above mean sea level in the Canaan Mountain Range.

3 GROUNDWATER CONDITIONS AND GROUNDWATER/SURFACE WATER INTERACTION

3.1 Occurrence and Movement

Groundwater in the Hildale/Colorado City area is found primarily in three aquifers: Navajo Sandstone aquifer, Shinarump aquifer and alluvial aquifer.

3.1.1 Navajo Sandstone Aquifer

The Navajo Sandstone aquifer is a regional aquifer that covers parts of Utah, Arizona and New Mexico. A large amount of groundwater is stored in several geologic units, of which the Navajo Sandstone (Jurassic) is considered to be the most important (Cordova, 1981). The maximum thickness of the formation is on the order of 2,000 feet. TCWW has two springs (Jans and Maxwell springs) deriving water from the aquifer. Since there are outcrops of Navajo Sandstone in the mountains to the north, no vertical wells have been developed in the aquifer in the Hildale/Colorado City area due to problems with accessibility. The existing two springs were developed via horizontal wells through the upper portion of the Kayenta formation where joints are present. The groundwater in the Navajo Sandstone aquifer generally flows southward towards the Hildale/Colorado City area. The underlying Kayenta formation has low to nil porosity except for some local joints. As a result, the downward moving groundwater stored in the Navajo Sandstone is deflected outward laterally from the upper section of the Kayenta formation to the sharply incised canyons north of Hildale (Montgomery, 1986) where it becomes recharge to the alluvial aquifer in the valley.

3.1.2 Alluvial Aquifer

The alluvial aquifer is located along Short Creek and appears to be the most productive aquifer in the Hildale/Colorado City area. Based on lithological logs of wells completed in the area, the alluvial deposits consist of sand, clay, silt and gravel, and extend to a maximum depth of approximately 100 feet below grade. According to water level measurements taken by the Hildale/Colorado City Water Department on March 11, 2015, the water table ranges from 37 to 54 feet below grade at the well locations. The depth to the water table was measured from the top of casing (TOC) at each well installed in the aquifer. Based on limited data points collected by the Hildale/Colorado City Water Department, as summarized in Table 3-1, groundwater in the aquifer generally flows toward the southwest, as shown in Figure 3.

Table 3-1 Water Level Measurements Taken on March 11, 2015

Well #	TOC Ele. (ft)	Depth to Water (ft	Water Table Ele. (ft
4	4,963.72	54.10	4,909.62
8	4,951.41	47.75	4,903.66
11	4,955.14	50.17	4,904.97
15	4,970.92	37.17	4,933.75
24	4,956.07	51.50	4,904.57

The water table elevations are relative to the datum used by the Hildale/Colorado City Water Department.

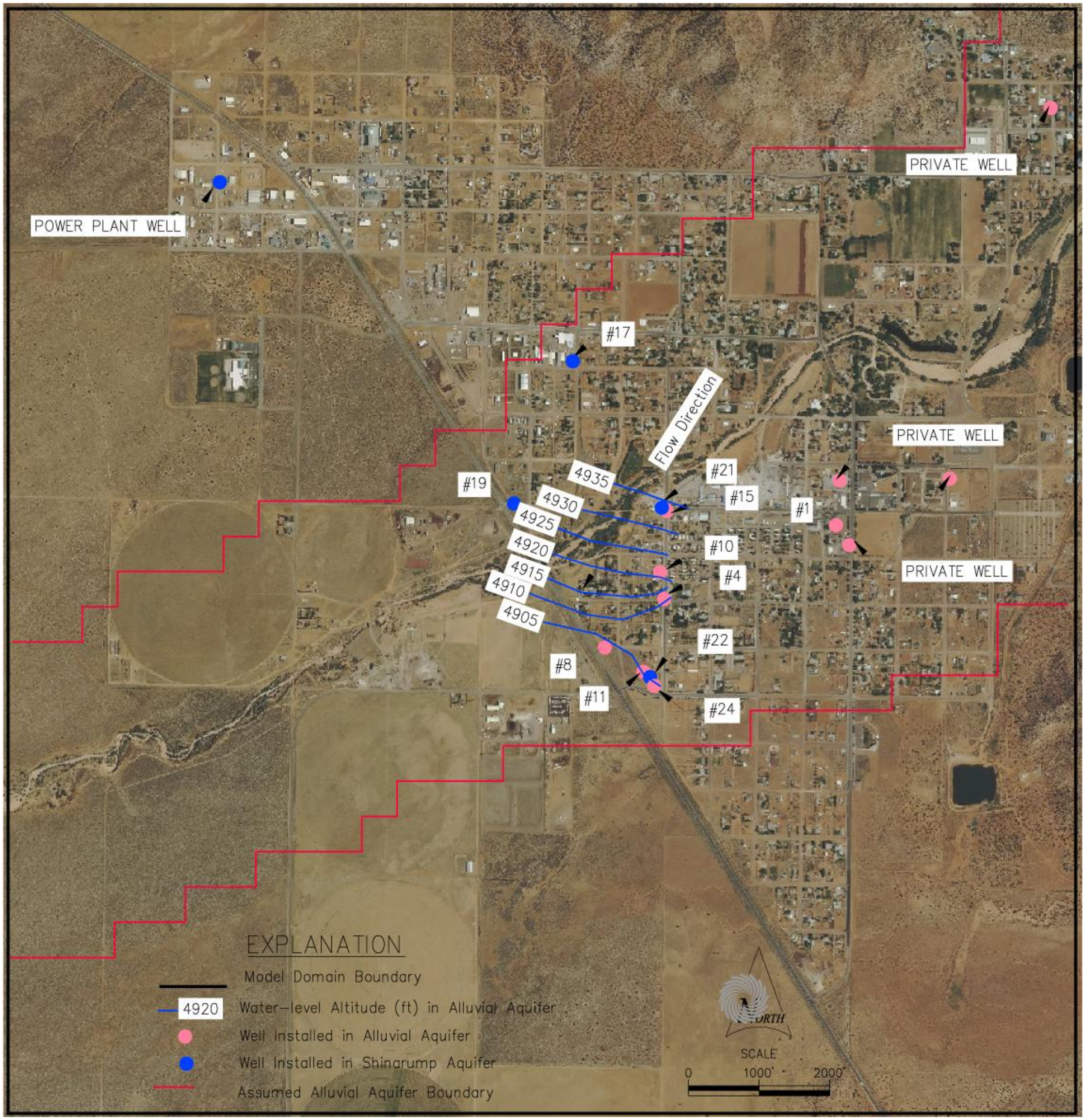


Figure 3. Altitude of Water Table of Alluvial Aquifer (2015)

3.1.3 Shinarump Aquifer

The Shinarump aquifer lies beneath the Petrified Forest Member of the Chinle Formation and above the Moenkopi Formation. The Petrified Forest Member and the Moenave Formation serves as an aquitard between the alluvial aquifer and the Shinarump aquifer. The Shinarump aquifer varies between 130 and 250 feet in thickness (Spencer, 1997). However, a review of logs of 40 wells installed in the aquifer in and surrounding the study area indicates that the average thickness of the aquifer in the study area is approximately 100 feet. The Moenkopi Formation consists of siltstone, shale, very fine-grained sandstone, gypsum and minor limestone with low porosity, and is about 1,700 feet thick (Montgomery, 1986). The Shinarump aquifer appears to receive recharge from the Lost Spring Mountain Range where the formation is exposed. Based on water level measurements taken by the Hildale/Colorado City Water Department on March 11, 2015, depth to groundwater in the Shinarump aquifer ranges from 280 to 420 feet below grade. Groundwater in the aquifer is under confined conditions. Based on limited data points collected by the Hildale/Colorado City Water Department, as summarized in Table 3-2, groundwater in the aquifer generally flows toward the northwest, as shown in Figure 4.

Table 3-2 Water Level Measurements Taken on March 11, 2015

Well #	TOC Ele. (ft)	Depth to Water (ft)	Water Level Ele. (ft)
17	5,008.61	427.00	4,581.61
19	4,962.56	365.60	4,596.96
21	4,969.66	284.10	4,685.56
22	4,955.70	284.10	4,671.60

The water level elevations are relative to the datum used by the Hildale/Colorado City Water Department.

3.2 Aquifer Characteristics

3.2.1 Navajo Sandstone Aquifer

As described in Section 3.1.1, the Navajo Sandstone aquifer is a large regional aquifer. According to Cordova (1981), laboratory testing results of samples collected from the Navajo Sandstone in Townships 41 and 42, Ranges 5 through 8, located to the west of Hildale, Utah, indicate that the median horizontal hydraulic conductivity is 3.8 feet/day and that the median vertical hydraulic conductivity is 3.4 feet/day. The sandstone has an average porosity of 0.15. The Navajo Sandstone aquifer exists in the Canaan Mountain Range in the Hildale/Colorado City area. There is no access for drilling vertical production wells. However, it is feasible to develop horizontal wells through the top portion of the fractured Kayenta Formation in several of the mountain canyons. It is also possible to develop springs in the alluvial deposits on the mountain canyon floors.

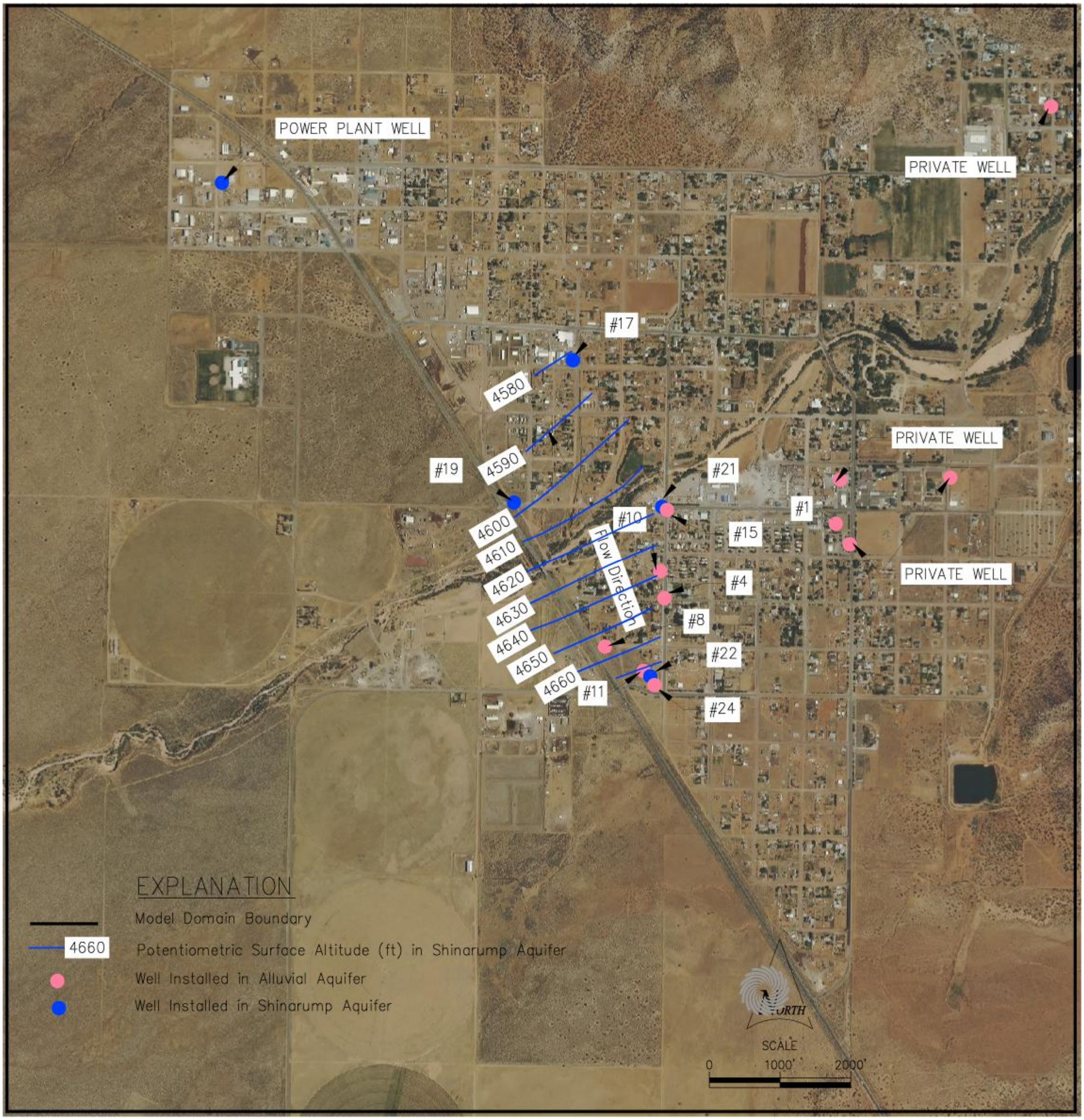


Figure 4. Altitude of Potentiometric Surface of Shinarump Aquifer (2015)

3.2.2 Alluvial Aquifer

The alluvial aquifer appears to exist along Short Creek. However, the exact boundary of the aquifer is not defined in the Hildale/Colorado City area. Based on review of limited logs of existing wells and the alignment of Short Creek, the assumed boundary of the aquifer in the model domain is shown in Figure 3. Please note that the boundary of the alluvial aquifer as shown in Figure 3 is based on the boundary of model cells which are rectangular in shape and does not represent the exact nature of the aquifer boundary, which is likely less geometric in shape. Recharge to the alluvial aquifer includes runoff (stream flow) from the Short Creek drainage, infiltration of precipitation in the valley, and infiltration of unconsumed irrigation water.

Southwest Ground-water Consultants, Inc. (2011) estimated the runoff of Short Creek to be approximately 1,200 gpm. Generally, there is no surface water in the creek as surface water becomes underflow. Part of the stream flow can be assumed to become recharge to the alluvial aquifer in the Hildale/Colorado City area.

The method used to estimate recharge from precipitation in the study area is reported by Maxey and Eakin (1949) and Eakin and others (1951). Their method assumes that the recharge is primarily from precipitation in the mountains. The quantity of recharge is based on a percentage of the total volume of annual precipitation that falls within a specific area. Percentages range from 0 for areas where annual precipitation is less than 8 inches to as much as 40 where annual precipitation is 40 inches or more. In areas where annual precipitation is between 8 and 40 inches, percentages vary between 0 and 40 linearly. Using the average annual precipitation of 13.45 inches obtained from the Colorado City, Arizona weather station, the recharge rate is estimated to be 0.9 inch/year (or 0.076 foot/year = 0.0002 foot/day) from precipitation in the valley.

According to Sunrise (2014), the average outdoor water usage per family is 627 gallons per day (gpd) in the municipal water service area over one year. In 2013, the total number of families in Hildale and Colorado City was 916, and was projected to be 919 in 2014. As a result, the total outdoor average water usage in Hildale and Colorado City is estimated to be about 400 gpm in 2014. Hely and others (1971) estimated that the recharge from deep infiltration from lawns and gardens in the Salt Lake Valley is about 30% of the total water applied. However, Waddell and others (1987) estimated the average recharge from lawns and gardens in the Salt Lake Valley from 1969-82 was 49% of the total water applied. In this study, a 10% ratio was used as recommended by Hansen, Allen & Luce (1997) for Washington County. As a result, the recharge from outdoor water use is estimated to be 40 gpm over an area of approximately 1,750 acres. As a result, the average recharge rate from the residential area is 0.442 inch/year (or 0.0369 foot/year = 0.0001 foot/day).

Recently, a pumping test was performed at Well #11 on March 31 and April 1, 2015. The well was pumped at a constant rate of 143 gpm for 24 hours. While Well #11 was being pumped, water levels at Wells #24, #8 and #4 were monitored. Water level measurements were automatically recorded using dataloggers installed at each well. Wells #24, #8 and #4 are approximately 218, 680 and 1,128 feet away from Well #11, respectively. The water level at Well #4 rose by 0.3 foot during the 24 hours Well #11 was being pumped, which indicates that Well #4 was still recovering from previous pumping at the well. The water levels at Wells #8 and #24 declined by 0.3 foot and 1.8 feet, respectively, during the 24 hours Well #11 was being pumped. Based on the observation data, it did not appear that pumping Well #11 had much impact on the other three observed wells.

The pumping test data was analyzed using Aquifer^{Win32}. Analysis of the data collected from Well #11 yields a transmissivity value of 0.022151 ft^2/sec or 1,924 ft^2/day. If the thickness of the aquifer is assumed to be 60 feet, the hydraulic conductivity is estimated to be 32 feet/day. The data analysis is provided in Appendix D.

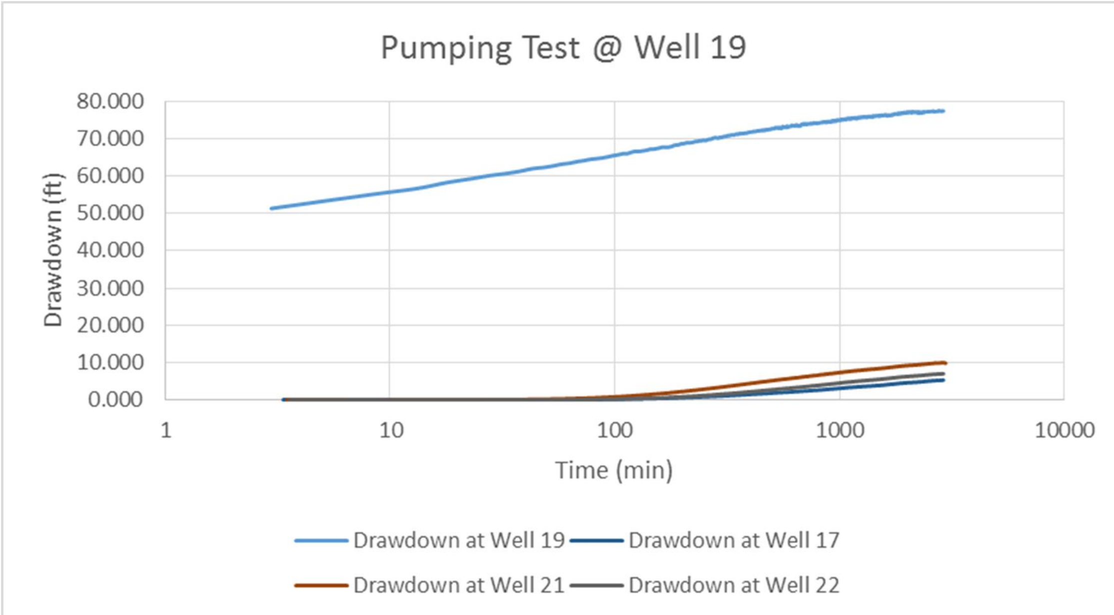
The data collected from Well #11 generated important hydraulic conductivity data of the aquifer for groundwater modeling. Attempts were made to analyze the data for the hydraulic conductivity of the aquifer collected from the observation wells using Aquifer^{Win32}. However, no results were obtained. An analysis of the observation data indicates that the observation wells were still recovering while Well #11 was being pumped.

3.2.3 Shinarump Aquifer

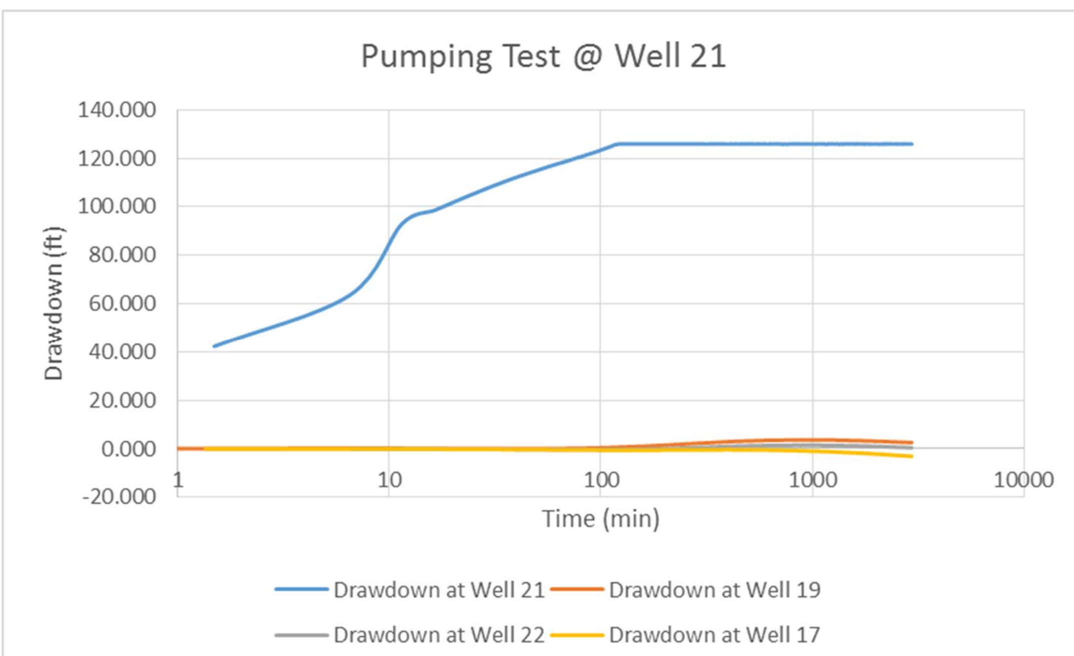
The Shinarump aquifer appears to be present within the entire study area and beyond. There is an aquitard between the alluvial and Shinarump aquifers which consists of the Petrified Forest Member of the Chinle Formation. The thickness of the aquitard is more than 700 feet in the northeastern portion of the study area, and disappears to the south outside the study area where there are outcroppings of Shinarump sandstone.

Forty-eight-hour constant-rate pumping tests were performed by the Hildale/Colorado City Water Department at Wells #19, #21 and #22 at different times. Each time, only one well was pumped while the other wells were monitored. During the tests, water levels were recorded using dataloggers installed at each well.

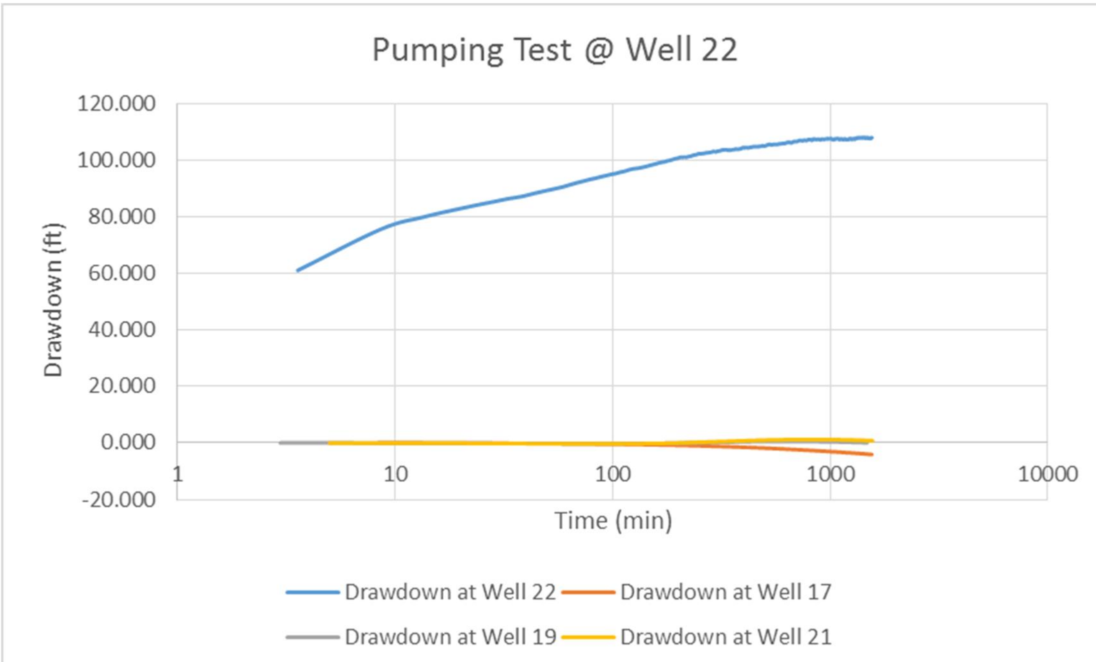
When Well #19 was pumped at a constant rate of 230 gpm for 48 hours from March 17-19, 2015, Wells #17, #21 and #22 were monitored. The distances from Well #19 to Wells #17, #21 and #22 are 2,181, 2,094 and 3,122 feet, respectively. Pumping at Well #19 did not appear to have significant impact on the other wells, as shown in the following chart:



When Well #21 was pumped at a constant rate of 280 gpm for 48 hours from April 6-8, 2015, Wells #17, #19 and #22 were monitored. The distances from Well #21 to Wells #17 and #22 are 2,445 and 2,403 feet, respectively. However, no response was observed at Well #17. During the entire test period, the water level at Well #17 was increasing. At the end of the test, the water level at Well #17 rose by approximately 3.1 feet. The drawdowns observed at Wells 19 and 22 were approximately 2.6 feet and 0.4 foot, respectively, at the end of the test. Pumping Well #21 did not appear to have much impact on the other three monitored wells, as shown in the following chart:



When Well #22 was pumped at a constant rate of 244 gpm for 48 hours from March 23-25, 2015, Wells #17, #19 and #21 were monitored. The distance from Well #22 to Well #17 is 4,617 feet. During the entire test period, the water level at Well #17 was increasing. At the end of the test, the water level at Well #17 rose by approximately 4.1 feet. The maximum drawdowns observed at Wells 19 and 21 were approximately 0.52 foot and 1.19 feet, respectively, in the middle of the test. Pumping Well #22 did not appear to have much impact on the other three monitored wells, as shown in the following chart:



The pumping test data were analyzed using Aquifer^{Win32}. The results of the analysis are summarized in Table 3-3 and the analysis is provided in Appendix D.

Table 3-3 Results of Pumping Tests at Wells Installed in Shinarump Aquifer

Pumped Well	Transmissivity (ft^2/day)	Storage Coefficient
Well #19	953	$1.02x10^{-5}$
Well #21	1,013	$9.92x10^{-10}$
Well #22	686	$1.11x10^{-5}$

The data collected from the pumped wells generated important transmissivity data of the aquifer for groundwater modeling in the area. Attempts were made to analyze the data for transmissivity of the aquifer collected from the observation wells using Aquifer^{Win32}. However, no results were obtained. The reason the data collected from observation wells could not be analyzed is the same as described for the pumping test conducted at Well #11.

According to the driller's report for the Power Plant Well, the well was pumped at a constant rate of 240 gpm for 24 hours and a drawdown of 40 feet was recorded. However, no time vs. drawdown data were recorded during the test. The aquifer transmissivity at the well was estimated to be approximately 1,848 ft^2/day using the simplified well equation developed by Heath (1983). However, using the empirical equation developed by Fari (1997), the transmissivity was estimated to be approximately 1,360 ft^2/day. Cordova (1981) estimated transmissivities for the Shinarump Member of the Chinle Formation from pumping tests at two wells located in Section 32, Township 43 South, Range 4½ West and Section 36, Township 43 South, Range 5 West, respectively, to range from 900 to 1,000 ft^2/day.

4 NUMERICAL MODEL SIMULATION OF GROUNDWATER

A numerical groundwater flow model was developed to simulate flow in the alluvial aquifer and the underlying Shinarump aquifer. This numerical model is a simplified representation of the groundwater system and incorporates concepts of groundwater conditions and recharge from surface water for the alluvial aquifer.

4.1 Modeling Approach

The groundwater flow model was constructed using MODELFLOW-2005, the most recent version of the USGS three-dimensional, finite-difference MODFLOW groundwater flow model (Harbaugh, 2005). The model was used to simulate transient groundwater flow conditions within the Hildale/Colorado City area.

Short Creek flows through the Hildale/Colorado City area and provides recharge to the alluvial aquifer. However, no study has been conducted to investigate the interaction between the aquifer and the stream. In the modeling, the river package was not used. Instead, the surface water in Short Creek was simulated using the recharge package. It was assumed that Short Creek provides recharge directly to the alluvial aquifer along the approximately 1,000-foot wide creek alignment. As described in Section 3.2.2, the average creek runoff is estimated to be approximately 1,200 gpm. However, not all of the 1,200 gpm is available to the Hildale/Colorado City area. The percentage of the water that becomes recharge to the model domain was estimated during the model calibration process.

Since there are not many wells in the area, the horizontal extent of the alluvial aquifer is assumed to follow Short Creek and the adjacent area. All TCWW shallow wells are located within a narrow strip following the creek. In the model, the width of the aquifer was assumed to range from approximately 1,000 feet to 4,000 feet.

The Shinarump aquifer is widespread and is assumed to exist throughout the Hildale/Colorado City area. Based on available data, the Shinarump and alluvial aquifers are separated by an approximately

500-foot thick aquitard. There is little hydraulic connection between the two groundwater systems in the area.

TCWW has not maintained water level measurement records for their wells. The only water level records available for model calibration was obtained from the measurements taken at TCWW wells on March 11, 2015. A review of the pumping test data indicates the water level measurements were not based on static levels. The wells had been recently used and were still recovering. Therefore, static water levels were not available for model calibration. Model calibration was approximated with wells being pumped to an assumed steady state against the water levels measured on March 11, 2015.

The calibrated model was then used to predict future water level changes within the model domain based on the addition of new wells within the aquifers.

4.2 Model Domain and Discretization

The model domain is shown in Figures 3 and 4 and is discretized into a grid of square cells; each cell has homogenous properties. The boundary of active cells of the alluvial aquifer delineates the lateral boundaries of the simulated groundwater system, and corresponds to the extent of the alluvial aquifer that forms the water-table conditions in the study area. The Shinarump aquifer is assumed to be present throughout the entire model domain and beyond.

The rectangular model domain consists of 31 rows and 30 columns. Cell size within the model boundaries was uniform with grid spacing of 500 feet. With limited budget for this project, no other discretization alternative was considered.

The groundwater flow equations are formulated at the center of each model cell. The area and gradient used to calculate flow through the cell are determined at the center of the cell and present the average area and gradient of flow through the cell.

Vertically, the model comprises two layers. The upper layer, layer 1, represents the entire thickness of the unconfined alluvial aquifer, which has an average thickness of approximately 60 feet. The lower layer, layer 2, represents the confined Shinarump aquifer, which was assigned a constant thickness of 100 feet based on well logs available in the area.

The model was designed to simulate 20-year periods of varying demands on the water system that are a result of five general stresses, for a total of 100 years of simulation.

4.3 Flow Boundary Conditions

The groundwater flow model requires that specific types of mathematical boundaries be assigned to the groundwater system to simulate flow at surface boundaries and internal sources and sinks. The flow boundary can simulate no-flow conditions, recharge to the groundwater flow system, or discharge from the system.

Recharge from precipitation, unconsumed irrigation water, and surface water from Short Creek to the groundwater flow system was assumed to be applied to the top of the alluvial aquifer. Recharge was simulated using the recharge package of MODFLOW. It was assumed that the recharge from precipitation is evenly distributed within all active cells of layer 1; that unconsumed irrigation water is evenly distributed within the active cells corresponding to the residential area; and the recharge from Short Creek is evenly distributed within active cells of layer 1 corresponding to a 1,000-foot strip along the alignment of Short Creek.

Specified-flux boundaries were used to simulate discharge from wells using the well package of MODFLOW. Total annual water demand is presented in the water master plan prepared by Sunrise (2014). The total flow from springs is consistent year round. However, the annual pumping volume from each well is unknown. In this modeling effort, the average annual pumping volume from each well was assumed to be proportional to each well's capacity as provided in Table 1-1, with the total annual volume equal to the total annual water demand.

A second-order general head boundary (GHB) was used along each boundary of the model domain for layers 1 and 2. The GHB condition specifies that groundwater enters the model domain at a rate that is a function of the hydraulic conductivity of the sediments/sandstone at the boundary, the cross-sectional area of the flow through the cell, and the hydraulic gradient at the edge of the model domain. Thus, flow conditions are considered to be continuous across the model boundary. The boundary heads rise and fall dependent on the flow conditions within the model domain. The GHB along each boundary of the model domain specifies a hydraulic gradient across each boundary which remains constant.

4.4 Aquifer Properties

Model layers 1 and 2 represent the unconfined alluvial aquifer and the underlying Shinarump aquifer, respectively. In layer 1, transmissivity varies spatially as a function of the saturated thickness of the layer and the specified horizontal hydraulic conductivity of the sediments in the layer. In layer 2, saturated thickness was assumed to remain constant and equal to 100 feet; therefore, transmissivity was specified in all simulations as the product of horizontal hydraulic conductivity and simulated layer thickness (100 feet). The horizontal hydraulic conductivity and specific yield utilized in the model for layer 1 were 32 feet/day and 0.25, respectively. These values were not changed during the model calibration. The transmissivity for layer 2 was initially set equal to 1,000 feet^2/day and was modified to 1,100 feet^2/day during the model calibration. The storage coefficient of layer 2 was set at 1.0×10^{-5}, and was not changed during the model calibration.

Vertical flow between model layers 1 and 2 was minimal and was simulated as a function of equivalent vertical hydraulic conductivity and the thickness of the aquitard between the two aquifers. The thickness of the aquitard ranges from less than 200 feet at the southwestern corner to more than 700 feet at the northeastern corner of the model domain. Vertical leakage between layers 1 and 2 at a given cell within the active model domain was simulated according to the following equation (Harbaugh, 2005, p. 54):

$$Q=C(h_1-h_2), \text{ and}$$
$$C=K_vA/L$$

Where:

Q	is the volumetric flow rate, which is equal to vertical leakage (feet^3/day),
C	is the conductance of the material in the direction of flow (feet^2/day),
h_1-h_2	is the head difference across the prism parallel to the flow path (L),
K_v	is the vertical hydraulic conductivity of the material in the direction of flow (feet/day),
A	is the cross-sectional area perpendicular to the flow path (feet^2), and
L	is the length of the prism parallel to the flow path.

The vertical leakage between layers 1 and 2 is calculated by multiplying the head difference (h_1-h_2) by the vertical conductance between adjacent cells in layers 1 and 2. It was assumed that the two layers do not have a hydraulic connection; therefore, the vertical hydraulic conductivity was set as 1×10^{-8} foot/day for the aquitard between layers 1 and 2.

4.5 Model Calibration

Simplification and assumptions are needed to approximate a complex three-dimensional flow system using a digital model. Errors resulting from lack of knowledge about the flow system, discretization, and simplification of the hydraulics of the flow system for modeling can be noticed by comparing model-generated values of water-level altitude, or potentiometric surface altitude, with measured values. Nevertheless, the model integrates the complex parts of the flow system and provides insight into the behavior of the system under observed and hypothetical conditions.

Because of the interdependence of variables involved in the groundwater-flow model, calibration is an iterative process whereby one hydraulic variable is revised while holding the other variables constant. During calibration of the hydraulic properties, a step-by-step process was used to obtain acceptable values of water-level/potentiometric surface altitude.

The model calibration was performed by varying the recharge contribution from Short Creek and GHB and then comparing simulated water levels to those at wells measured on March 11, 2015. The hydraulic conductivity for layer 1 was not adjusted since there is not enough valid data to justify any variation. However, the transmissivity for layer 2 was adjusted from 1,000 $feet^2$/day to 1,100 $feet^2$/day during calibration. This variation is justifiable based on the available data.

The 2014 water demand amount was used to calibrate the model. According to Sunrise (2014), the average outdoor water usage was 627 gallons/day and the average indoor water usage was 800 gallons/day for each household (connection). In 2014, there were 919 connections. Thus, the total water usage was 1,311,413 gallons/day or approximately 175,291 cubic feet per day (cfd).

The spring sources provide a steady flow of 80 gpm, or approximately 15,379 cfd. Therefore, the remaining required water would be provided by the wells. The average pumping rate for each well was assumed to be proportional to its capacity. The estimated average pumping rate for each well is summarized in Table 4-1.

Table 4-1 Estimated Average Pumping Rate from Wells

Source	Capacity (gpm)	Pumping Rate (cfd)
Springs	80	15,379
Well #17	80	10,317
Well #19	145	18,699
Well #21	210	27,082
Well #22	185	23,858
Well #15	25	3,224
Well #10	85	10,962
Well #4	150	19,344
Well #8	60	7,738
Well #11	150	19,344
Well #24	150	19,344
Total	1320	175,291

Additionally, four unknown wells were also assigned pumping rates. These wells, located near the eastern domain boundary, were assumed to be domestic wells and set at an average pumping rate of 200 cfd each.

In calibration of recharge, the recharge from precipitation and unconsumed irrigation was not adjusted. The percentage of the total annual runoff of approximately 1,200 gpm from Short Creek contributing to the groundwater system in the model domain was fine-tuned for a better match of the water table. Through a trial-and-error process, it appears that 60% is the best fit, or approximately 720 gpm of the runoff from Short Creek becomes recharge to the alluvial aquifer in the model domain.

The initial specified general heads were based on contoured water-level measurements collected on March 11, 2015 for layer 1 (Figure 3), and contoured potentiometric surface measurements also collected on March 11, 2015 for layer 2 (Figure 4). Since the measurement points concentrated in the

Colorado City/Hildale area, the heads extrapolated from the limited data points did not result in satisfactory calibration. Therefore, the initial specified heads were adjusted.

Table 4-2 presents a comparison of simulated vs. measured groundwater elevations at well locations. A close calibration was achieved at most of the wells. As shown in Table 4-2, the difference between the simulated and measured water levels at wells #8 and #15 in layer 1, and wells #21 and #22 in layer 2, are relatively high. If better calibration results were desired, pumping rates would need to be adjusted. However, no valid historic pumping data is available to justify varying the pumping rates at wells. It is not likely that the undesirable water level calibration data at some well locations would significantly impact the predictive modeling for overall groundwater conditions in the model domain.

Table 4-2 Comparison of Simulated vs. Measured Groundwater Levels (3/11/2015)

Well No.	Grid Location			Measured	Simulated	Difference (ft)
	Layer No.	Row No.*	Column No.*	Groundwater Level (ft)		
15	1	14	19	4,933.75	4,926.00	-7.75
10	1	16	19	4,919.47	4,916.00	-3.47
4	1	17	19	4,909.62	4,911.00	1.38
8	1	18	18	4,903.66	4,909.00	5.34
11	1	19	19	4,904.97	4,907.00	2.03
24	1	20	19	4,904.57	4,906.00	1.43
17	2	10	17	4,581.61	4,583.00	1.39
19	2	14	15	4,596.96	4,603.00	6.05
21	2	15	19	4,619.66	4,625.00	5.34
22	2	19	19	4,671.60	4,666.00	-5.60

The calibrated water table altitude for layer 1 and the calibrated potentiometric surface altitude for layer 2 are presented in Figures 5 and 6, respectively.

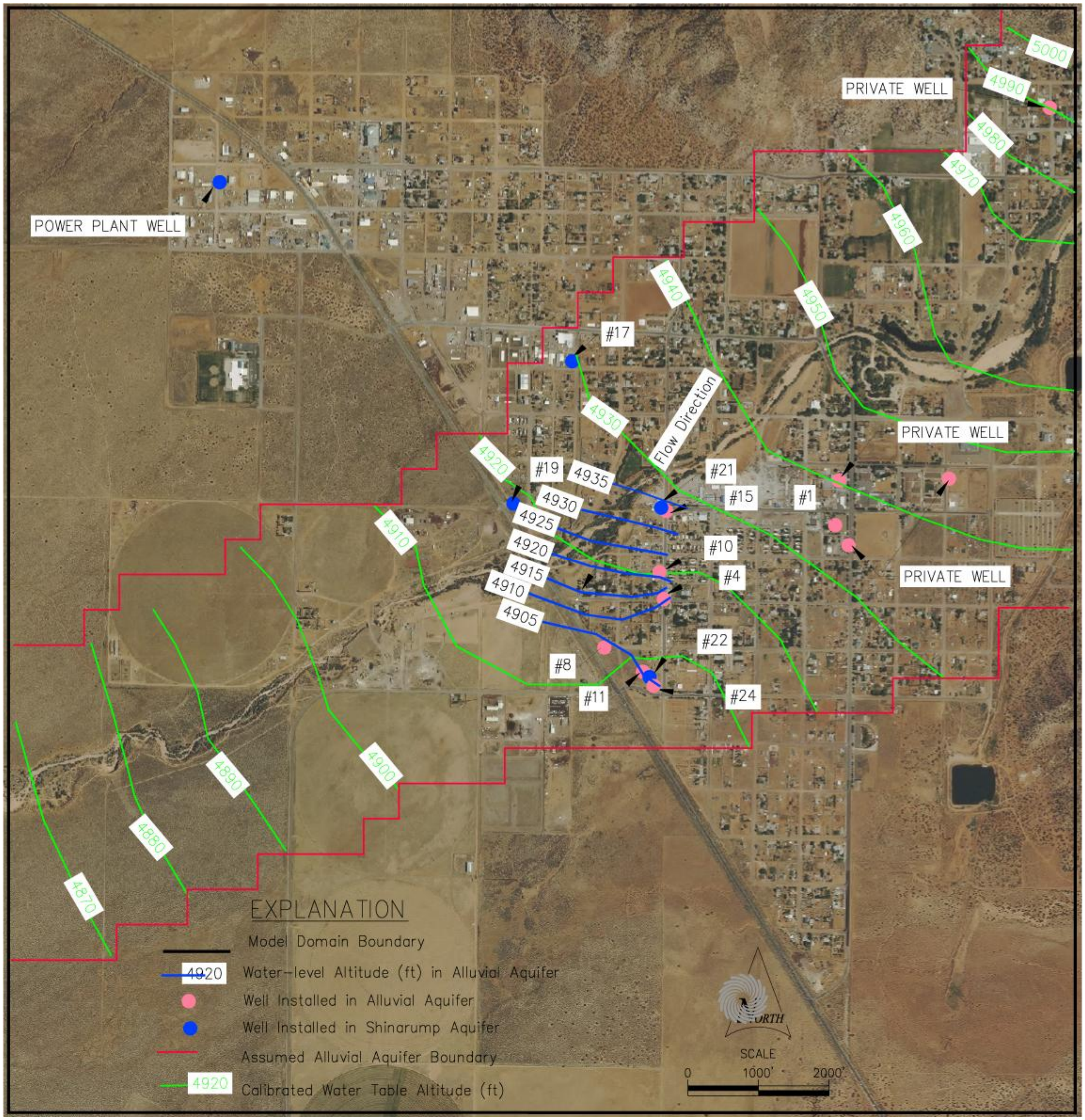


Figure 5. Calibrated Water Table Altitude of Alluvial Aquifer

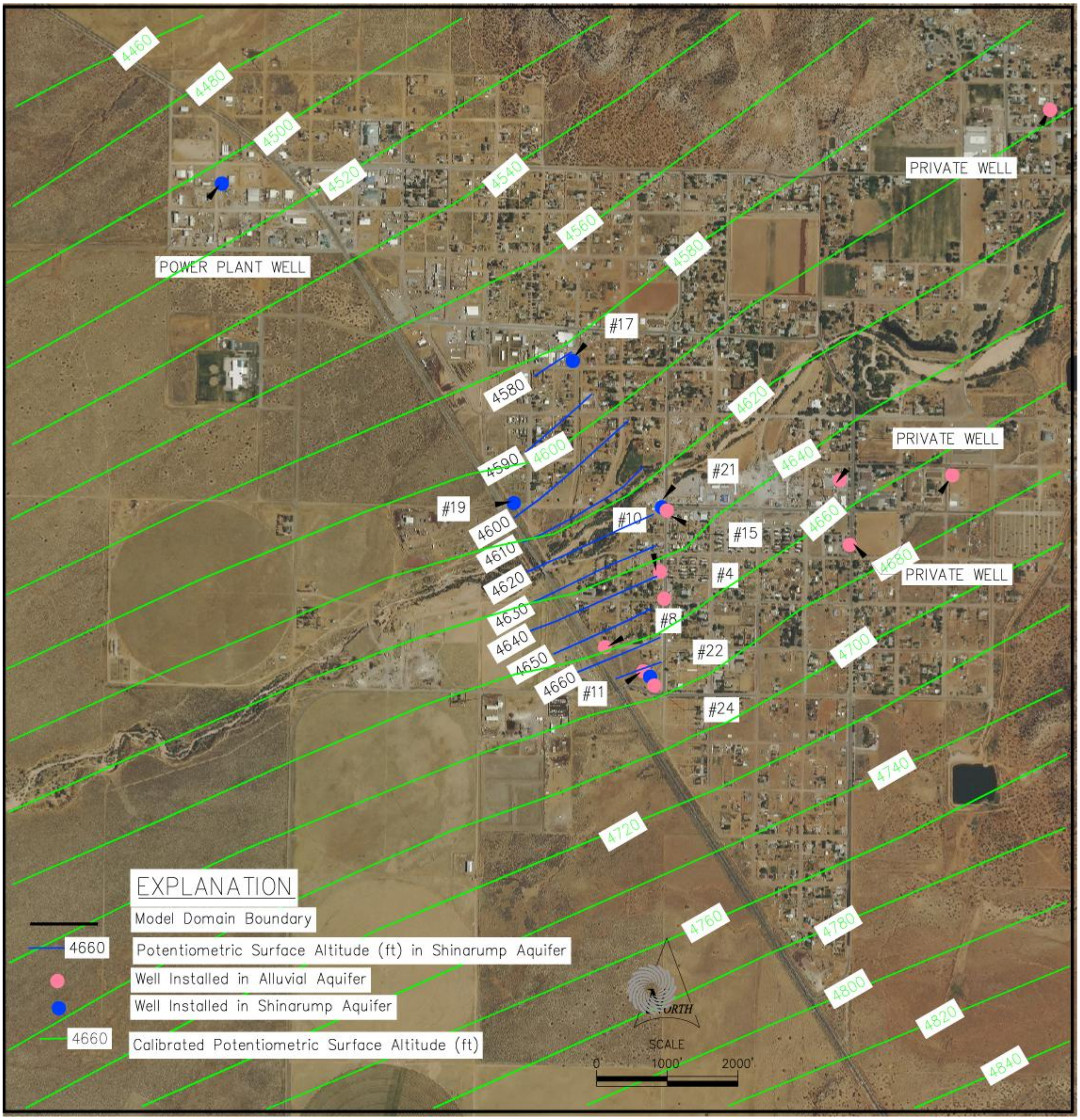


Figure 6. Calibrated Potentiometric Surface of Shinarump Aquifer

4.6 Simulation of Additional Pumping

To assess the effects of additional pumping from the alluvial and Shinarump aquifers in the Colorado City/Hildale area, additional wells were added to five different stress periods. Table 4-3 summarizes the projected water demands in the Colorado City/Hildale water system. In projecting future water demand, it was assumed that the average water use per connection will be gradually reduced to 50% of the current level through water conservation based on available sites for new sources. However, the eventual 50% assumed average use deduction may not be realistic and this assumption is made only for groundwater modeling purposes.

Table 4-3 Projected Water Demand

Year	Connection	Use/Conn.	Water Demand		Average	Outdoor Use
		(gpd)	(gpd)	(cfd)	(cfd)	(cfd)
2014	919	1,427	1,311,413	175,292		
2034	1,345	1,284	1,727,384	230,893	203,093	86,508
2054	1,921	1,027	1,973,712	263,819	247,356	105,362
2074	2,745	856	2,349,947	314,109	288,964	123,085
2094	3,921	714	2,797,902	373,986	344,048	146,548
2114	5,603	714	3,997,496	534,332	454,159	193,449

In 2015, Well #1 was installed in the alluvial aquifer, and the Power Plant Well, installed in the Shinarump aquifer, was placed into operation. Additionally, the Academy Well will be installed in the Shinarump aquifer in the near future. Additional wells need to be installed in both the alluvial and Shinarump aquifers in the future to meet the projected water needs as presented in Table 4-3.

An additional seven potential parcels were identified for new well locations, in addition to the location for the Academy Well. The parcels and well locations identified are general in nature, and do not represent precise locations for future wells. Three of the seven parcels are large enough to accommodate more than one well of the same type. Four of the seven parcels are outside of the assumed alluvial aquifer zone. For the purposes of modeling, it is estimated that 10 additional new wells can be installed in the Shinarump aquifer and four new wells can be installed in the alluvial aquifer to meet the projected water demand, as shown in Figure 7.

The capacity of the proposed wells is unknown. It is assumed that each new well will have the capacity of the average of the same type of existing wells. The average capacity of the wells installed in the Shinarump aquifer is estimated to be approximately 170 gpm, while for the wells in the alluvial aquifer it is approximately 100 gpm. Based on the 2014 calculation for pumping, the average pumping rate is approximately 129 cfd per 1 gpm of well capacity (please note that the average pumping rate used herein includes a safety factor as it is lower than the full capacity of each well of approximately 192 cfd/gpm. This is because each well will not be constantly pumped). Thus, Table 4-4 summarizes the future average pumping rates for the proposed new wells.

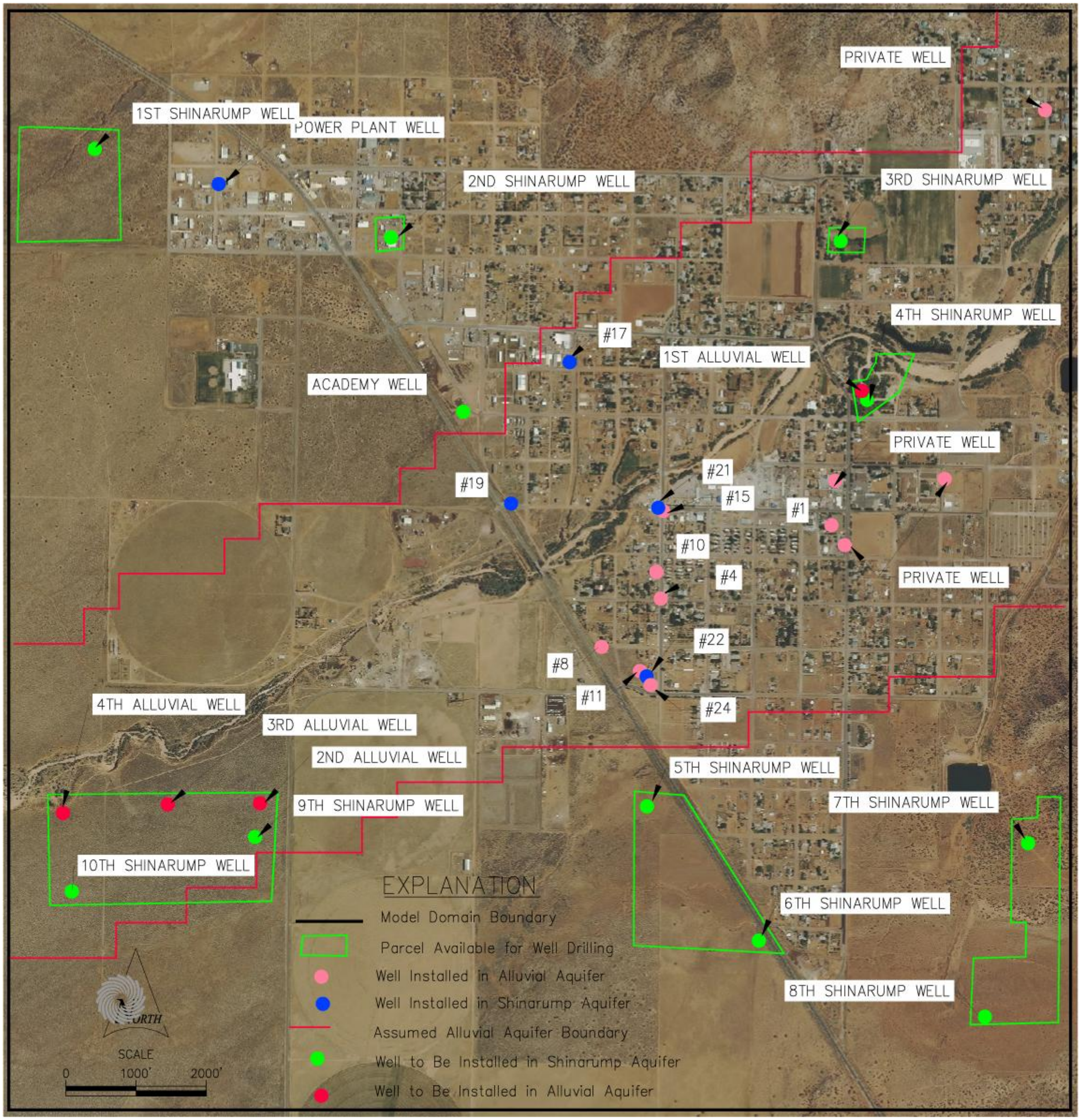


Figure 7. Locations of Existing and Proposed Wells

Table 4-4 Summary of Future Well Pumping Rate Estimate for Simulation

Source	Capacity (gpm)	Pumping Rate (cfd)
Power Plant Well	300	38,700
Well #1	105	13,545
Academy Well	170	21,930
New Well in Alluvial Aqfuier	100	12,900
New Well in Shinarump Aqfuier	170	21,930

Please note that shallow wells cannot be installed on the Utah side for culinary purposes since the alluvial aquifer is shallow in depth. The Utah Drinking Water Source Protection for Groundwater Source Rule (Utah Division of Drinking Water, 2012) prescribes that a surface seal of at least 100 feet in depth is required to be installed for culinary wells. In the State of Arizona, there is no such requirement. The cost for installation of an 8-inch diameter 100-foot deep well in the shallow alluvial aquifer is estimated to be approximately $60,000 (See Appendix A).

It appears that the Shinarump aquifer is generally present within the study area. Any well installed in the Shinarump aquifer in Utah derives water from a protected aquifer as defined by the Utah Division of Drinking Water (2012). Installation of wells in the Shinarump aquifer in Utah will require that no uncontrolled potential contamination source is located within the 100-foot radius area of the wells. The cost for installation of a 12-inch diameter 700-foot deep well in the Shinarump aquifer is estimated to be approximately $430,000 (See Appendix A).

With the Power Plant Well, the Academy Well, and Well #1 completed, the projected additional pumping rate is 66,235 cfd. With other existing sources in operation, the total pumping rate can reach 241,526 cfd, which meets the projected demand for 2034. However, the capacity of the sources may or may not meet fire suppression requirements. It is very likely that an additional 160 gpm or more of spring water may also be developed from the Navajo Sandstone aquifer before 2034. In the simulation run, the new spring capacity was not accounted for in the 2014-2034 stress period. To meet further future demands, more water sources will need to be developed. Table 4-5 illustrates future spring development and proposed well sites that might be brought on-line throughout the 100-year study period to meet future demands. The modeling of each 20-year stress period evaluates the impact of additional water sources installed in the system.

To assess the impact of future pumping, the simulated water level changes at the end of each planning period are presented in Figures 8 through 17. The model input and output files are provided in Appendix E. Please note that with future population growth in Hildale and Colorado City, outdoor water use may increase with time. In the modeling, the recharge resulting from unconsumed outdoor water use was assumed to be proportional to the outdoor water use, as shown in Table 4-3. On the other hand, additional water use conservation measures in the future may reduce the average water demand per connection. It is also possible that the outdoor use per connection will be reduced over time.

Table 4-5 Average Pumping Rate for Wells at Each Simulation Period

Source	Capacity (gpm)	Pumping Rate (cfd)					
		Maximum	2014-2034 Stress 1	2035-2054 Stress 2	2055-2074 Stress 3	2075-2094 Stress 4	2095-2114 Stress 5
Springs	80	15,379	15,379	15,379	15,379	15,379	15,379
Well #17	80	10,317	8,273	8,868	8,248	8,231	8,336
Well #19	145	18,699	14,995	16,074	14,949	14,919	15,109
Well #21	210	27,082	21,717	23,279	21,650	21,606	21,882
Well #22	185	23,858	19,132	20,508	19,073	19,034	19,277
Well #15	25	3,224	2,585	2,771	2,577	2,572	2,605
Well #10	85	10,962	8,790	9,423	8,763	8,745	8,857
Well #4	150	19,344	15,512	16,628	15,464	15,433	15,630
Well #8	60	7,738	6,205	6,651	6,186	6,173	6,252
Well #11	150	19,344	15,512	16,628	15,464	15,433	15,630
Well #24	150	19,344	15,512	16,628	15,464	15,433	15,630
Power Plant Well	300	38,700	31,033	33,266	30,938	30,875	31,269
Well #1	105	13,545	10,862	11,643	10,828	10,806	10,944
Academy Well	170	21,930	17,586	18,851	17,532	17,496	17,719
Additional Springs	160	30,758		30,758	30,758	30,758	30,758
1st New Shinarump Well	170	21,930			17,532	17,496	17,719
1st New Alluvial Well	100	12,900			10,313	10,292	10,423
2nd New Shinarump Well	170	21,930			17,532	17,496	17,719
2nd New Alluvial Well	100	12,900			10,313	10,292	10,423
3rd New Shinarump Well	170	21,930				17,496	17,719
3rd New Alluvial Well	100	12,900				10,292	10,423
4th New Shinarump Well	170	21,930				17,496	17,719
4th New Alluvial Well	100	12,900				10,292	10,423
5th New Shinarump Well	170	21,930					17,719
6th New Shinarump Well	170	21,930					17,719
7th New Shinarump Well	170	21,930					17,719
8th New Shinarump Well	170	21,930					17,719
9th New Shinarump Well	170	21,930					17,719
10th New Shinarump Well	170	21,930					17,719
Total	4,155	551,125	203,093	247,356	288,964	344,048	454,159

For the stress period from 2014-2034, the Academy Well, which is planned to be installed, Well #1, which was installed in 2015, and the Power Plant Well, which was recently brought on line, were added to the model. Additional water sources were not required to meet demand.

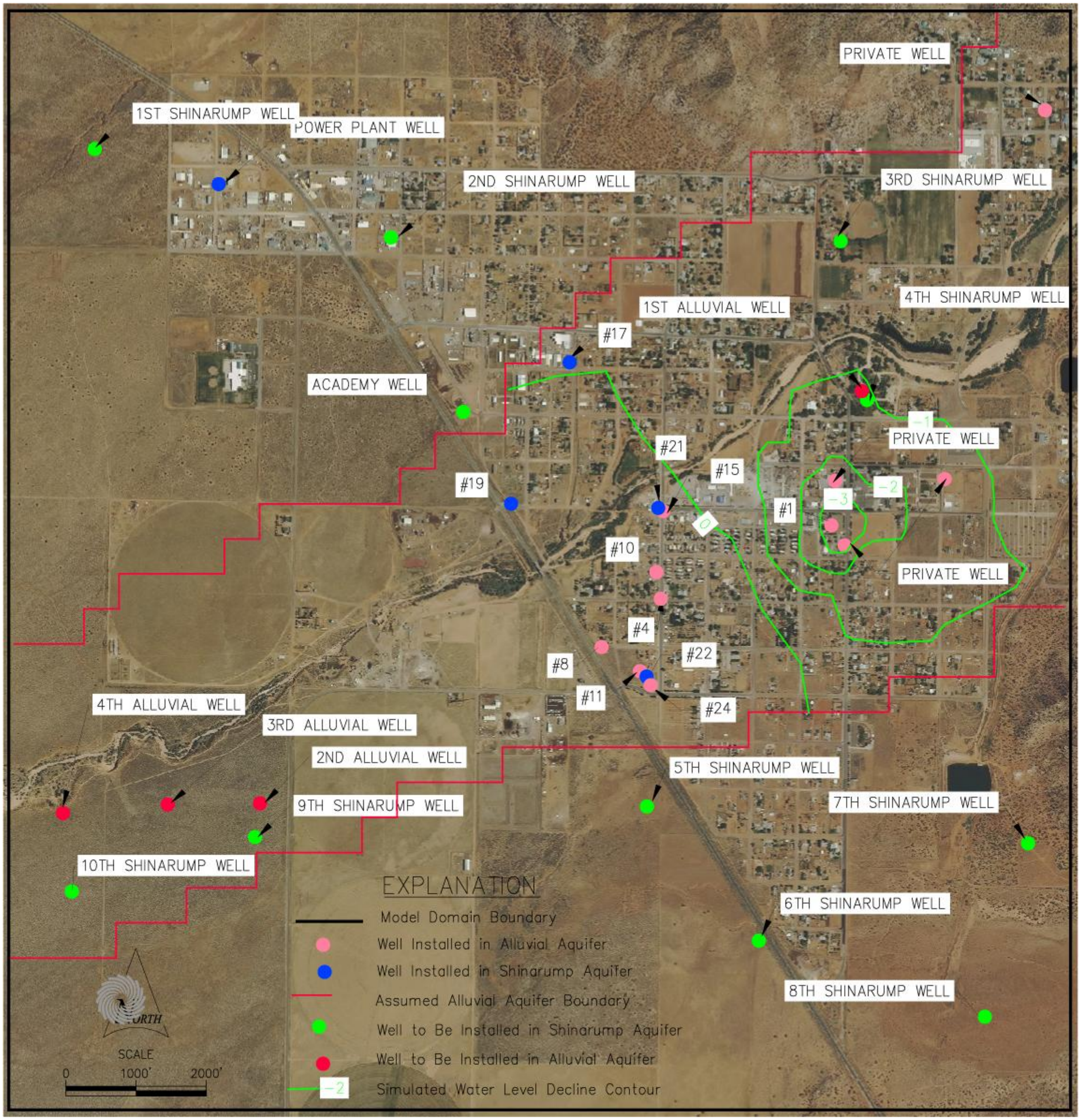


Figure 8. Simulated Water Decline of Alluvial Aquifer at End of 2034

Figure 8 indicates that at the end of 2034, the water table of the alluvial aquifer will decline by a maximum of approximately 3 feet near the newly developed Well #1. The water table decline is considered minimal and localized (please note that the decline described herein is not the measured drawdown at each well location during pumping). The simulated water table decline is relative to levels calibrated against those measured on March 11, 2015. The actual water table should vary seasonally within a given year. The water table should also vary from year to year depending on annual precipitation amount and pattern. It is not practical for the digital model to do this level of simulation for a 100-year period with limited data and budget.

Figure 9 indicates that the simulated potentiometric surface of the Shinarump aquifer will decline by a maximum of 12 feet at the Power Plant Well and approximately 8 feet at the Academy Well at the end of 2034. The potentiometric surface decline is considered small and localized.

The simulated potentiometric surface decline is relative to levels calibrated against those measured on March 11, 2015. The actual potentiometric surface should vary seasonally within a given year. The potentiometric surface should also vary from year to year depending on annual precipitation amount and pattern in the recharge area of the Shinarump aquifer. It is not practical for the digital model to do this level of simulation for a 100-year period with limited data and budget.

In order to meet projected water demands during the period from 2035-2054, development of additional springs was assumed. No additional wells were added to the model for this stress period.

Figure 10 indicates that the water table decline of the alluvial aquifer will reach a maximum of approximately 6 feet at Well #1 by the end of 2054. The water table decline is still small and localized. If there is any additional recharge available to the alluvial aquifer at this time, the predicted water table decline may be lessened. Based on the simulated water table decline, as shown in Figure 10, it is recommended that artificial surface recharge projects be implemented before 2034. For example, a linear park might be developed along Short Creek containing stormwater retention ponds constructed to retain stormwater, recharging the alluvial aquifer. With the artificial recharge, the water table decline could be partially mitigated, if not completely.

Figure 11 indicates that the simulated potentiometric surface of the Shinarump aquifer will decline throughout the aquifer by the end of 2054. However, the simulated maximum decline will reach approximately 18 feet at the Power Plant Well. Considering the available head from the Shinarump aquifer, the decline is still considered small. The predicted potentiometric surface decline will need to be monitored during the future operation of the wells. As has been pointed out, the simulated potentiometric surface decline is relative to levels calibrated against those measured on March 11, 2015. The actual potentiometric surface should vary seasonally within a given year and from year to year.

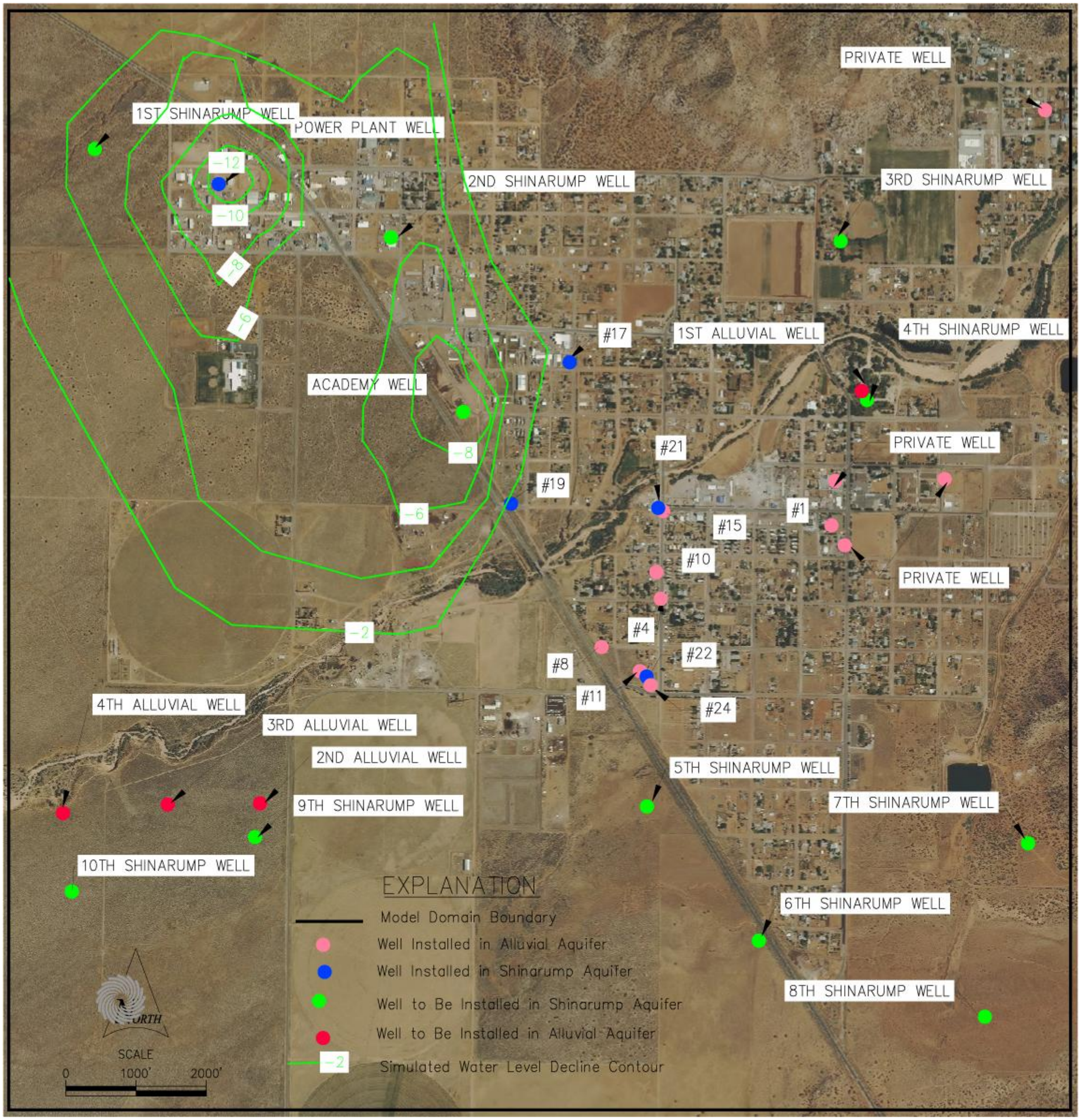


Figure 9. Simulated Water Decline of Shinarump Aquifer at End of 2034

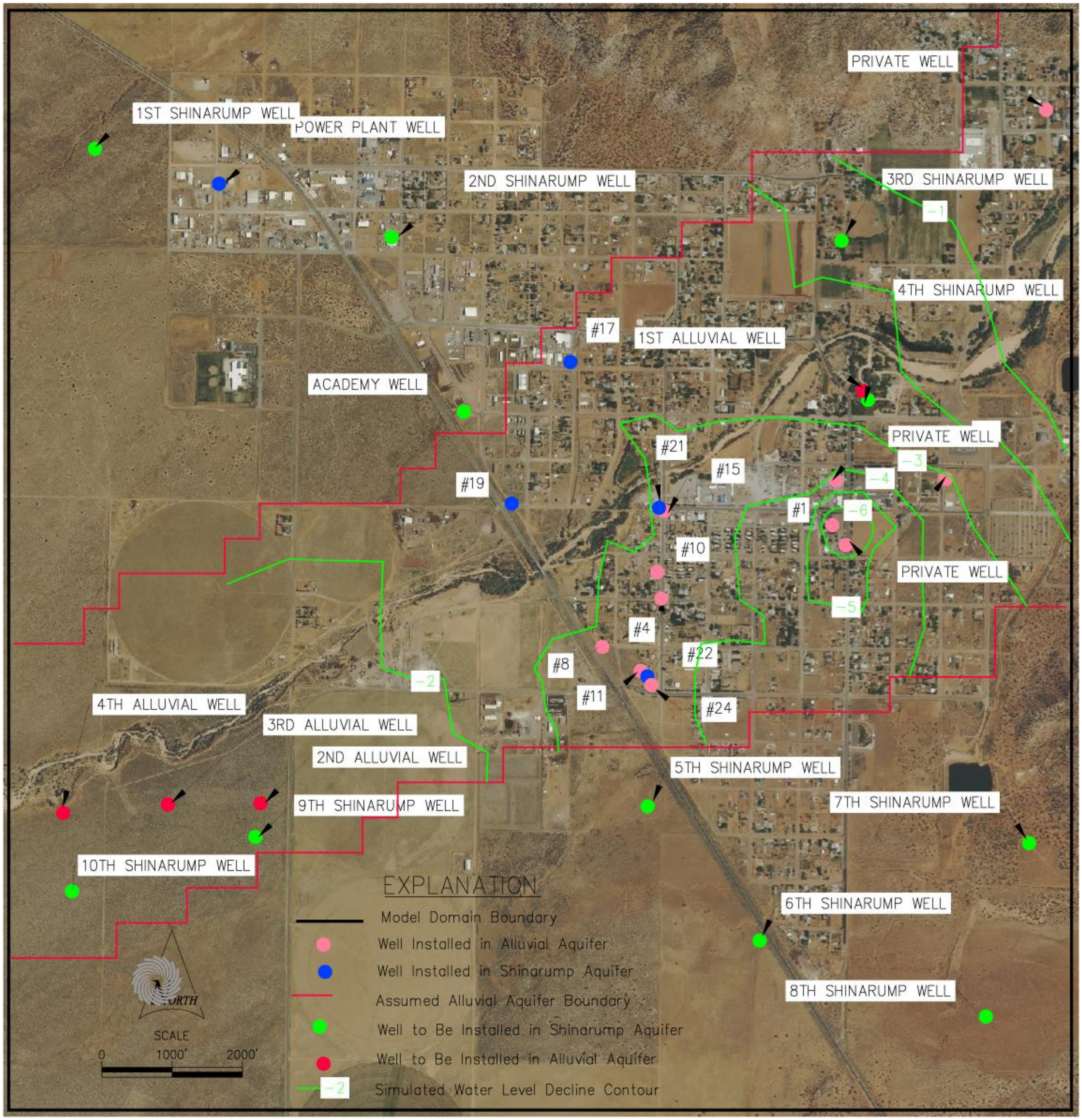


Figure 10. Simulated Water Decline of Alluvial Aquifer at End of 2054

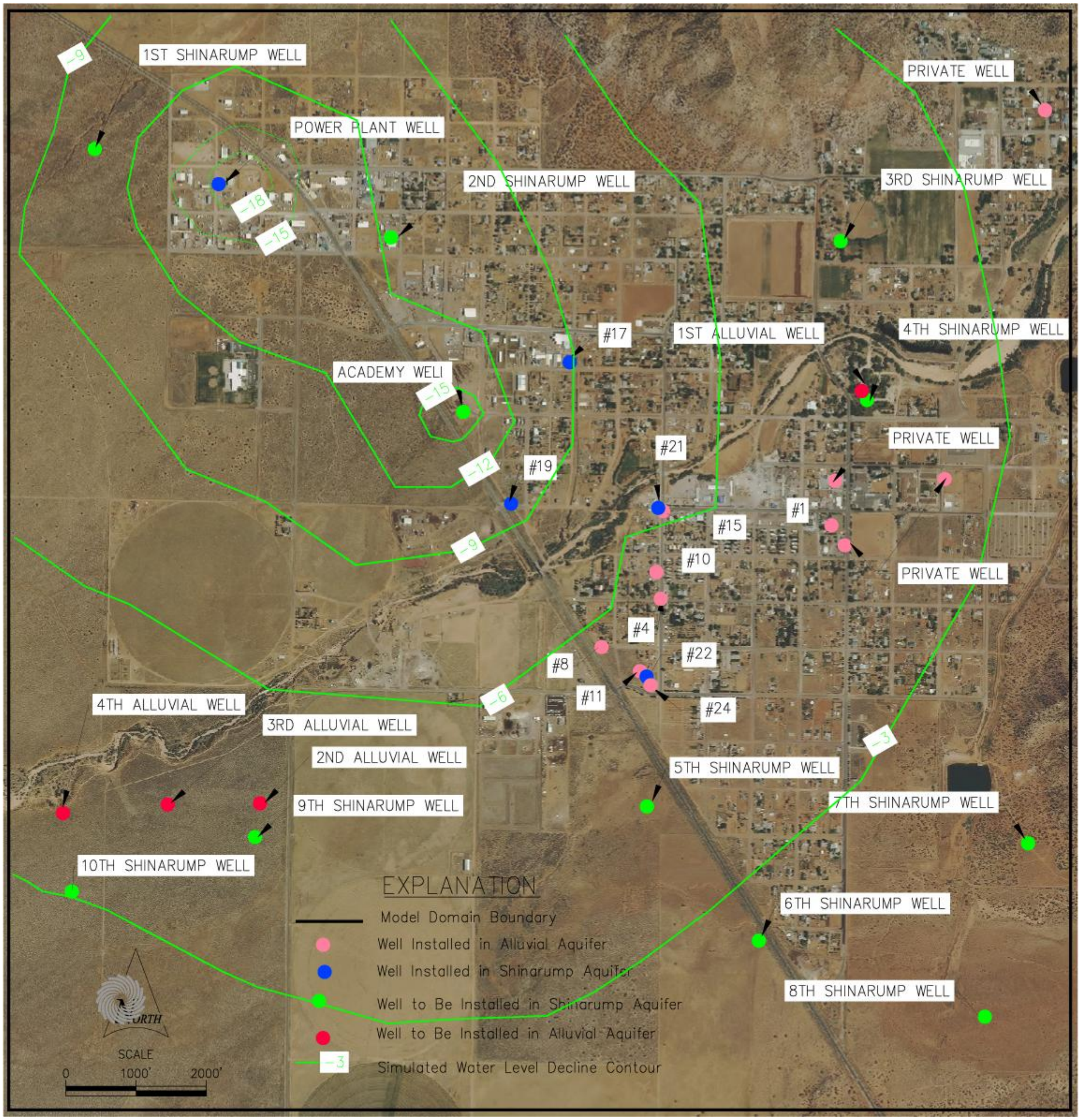


Figure 11. Simulated Water Decline of Shinarump Aquifer at End of 2054

In order to meet projected water demands during the period from 2055-2074, two wells were added to both the alluvial and Shinarump aquifers in the model. For the modeling period 2075-2094, two additional wells were added to both the alluvial and Shinarump aquifers to meet projected water demands. For the final modeling period (2094-2114), six additional wells were added to the Shinarump aquifer to meet projected water demands.

Figure 12 indicates that the simulated water table will decline throughout the simulated area of the alluvial aquifer by the end of 2074. However, the simulated maximum decline contour map shows two decline centers: at Well #1 where the predicted decline will reach 9 feet, and at the recommended 2nd Alluvial Well where the simulated decline will reach 7 feet.

Figures 13 and 15 show a similar pattern for the Shinarump aquifer. The difference is that the predicted maximum potentiometric surface decline at the Power Plant Well is 25 feet and 27 feet at the end of 2074 and 2094, respectively.

Figures 14 and 16 also show a similar pattern for the alluvial aquifer. The difference is that the predicted maximum water table decline at the southwest corner of the assumed alluvial aquifer is 18 feet and 21 feet at the end of 2094 and 2114, respectively. These declines are substantial compared to the average 60-foot thickness of the alluvial aquifer. Therefore, an artificial recharge program is highly recommended along Short Creek, as described previously. An artificial recharge project should be implemented around or before 2034.

Figure 17 indicates that the predicted potentiometric surface of the Shinarump aquifer will decline approximately 28-33 feet within most of the simulated area at the end of the 100-year simulation period (or 2114). Based on the available head from the Shinarump aquifer, the predicted decline is very likely to adversely impact the production of the wells. Once the potentiometric surface of the Shinarump aquifer drops as much as 30 feet, the existing and future wells will very likely yield less water. Therefore, it may not be possible to materialize the predicted potentiometric surface decline in the Shinarump aquifer. If this is the case, the Shinarump aquifer may not be able to provide as much water as assumed in this report. The effects to the Shinarump aquifer in the future will need to be monitored. Also, it is not feasible to perform artificial recharge to the Shinarump aquifer.

The impact of additional pumping with additional new wells on the aquifers is summarized in Table 4-6.

Table 4-6 Summary of Impact of Additional Pumping on Aquifers

Year	Impact on Aquifer				Comments
	Water Level Decline (ft)		Impact Extent		
	Alluvial	Shinarump	Alluvial	Shinarump	
2034	0-3	0-12	Localized	Localized	1 new well in Shinarump aquifer (Academy Well)
2054	0-6	0-18	Localized	Localized	New spring development and no new wells
2074	1-9	0-25	Localized	Localized	2 new wells in both alluvial and Shinarump aquifers
2094	2-18	7-27	Widespread	Widespread	2 new wells in both alluvial and Shinarump aquifers
2114	3-21	13-33	Widespread	Widespread	6 new wells in Shinarump aquifer

Table 4-6 and Figures 8 through 13 indicate that development of the Academy Well, two new wells (1st and 2nd Alluvial Wells) in the alluvial aquifer and two new wells (1st and 2nd Shinarump Wells) in the Shinarump aquifer will result in localized water level decline in the alluvial and Shinarump aquifers. The actual location of future new wells can be adjusted in the vicinity of the locations as used in the modeling effort. Development of these wells is not likely to significantly adversely impact the aquifers. As a result, development of these new wells is not likely to significantly impact the existing wells. However, development of additional new wells in the alluvial and Shinarump aquifers is likely to cause widespread water level decline in both aquifers (Figures 14 through 17). Consequently, the production of the existing wells will likely be impacted.

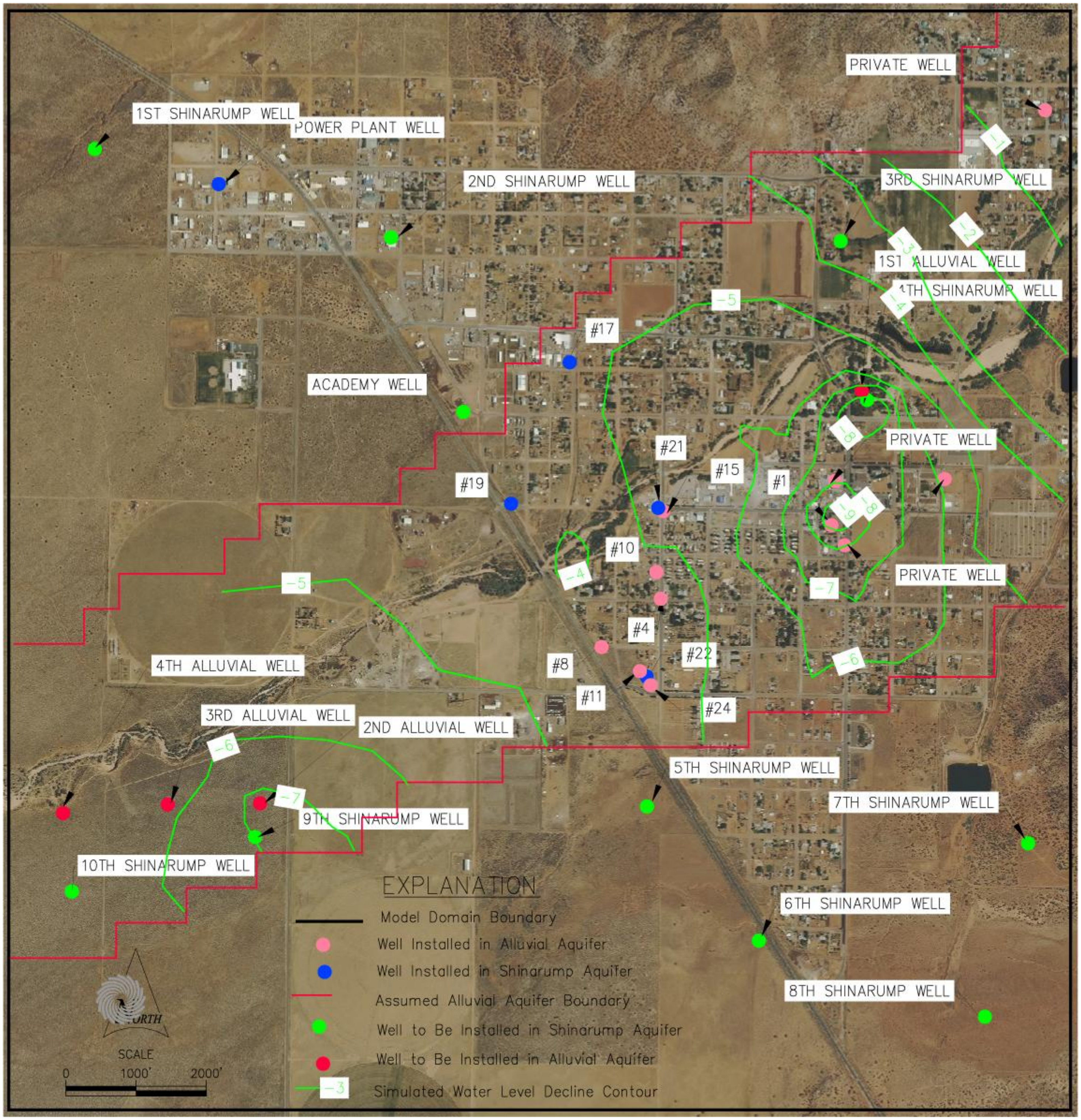


Figure 12. Simulated Water Decline of Alluvial Aquifer at End of 2074

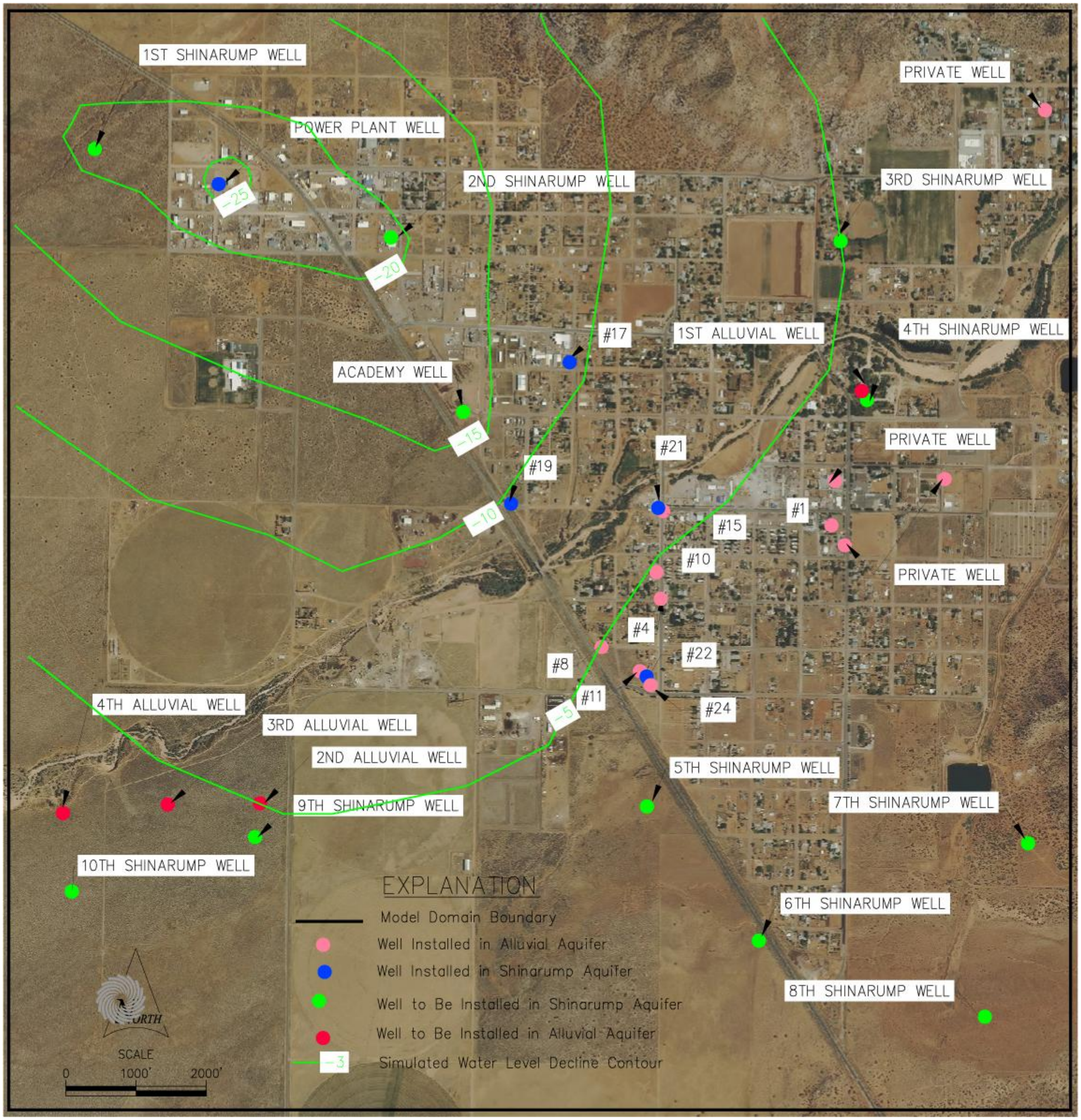


Figure 13. Simulated Water Decline of Shinarump Aquifer at End of 2074

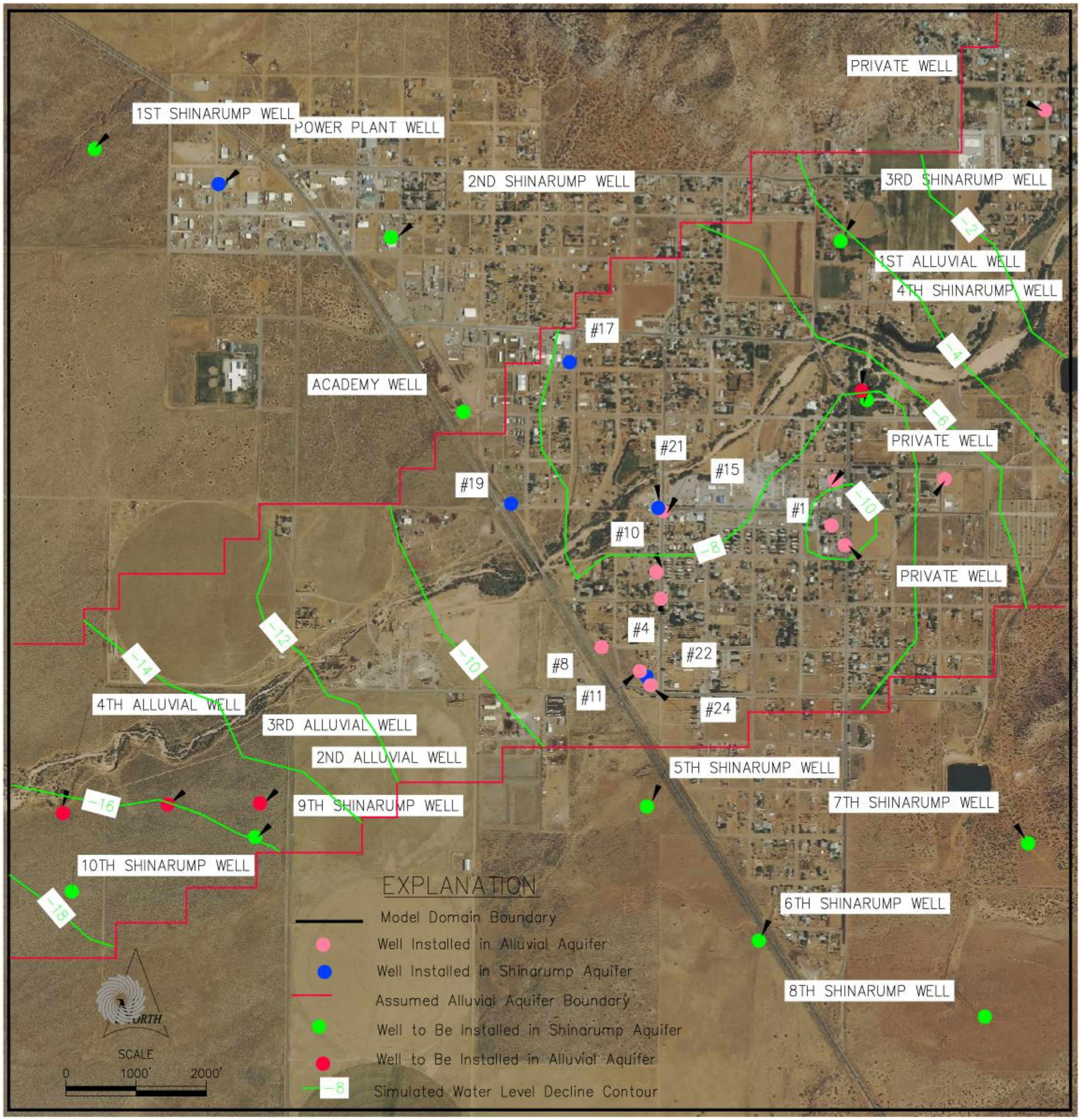


Figure 14. Simulated Water Decline of Alluvial Aquifer at End of 2094

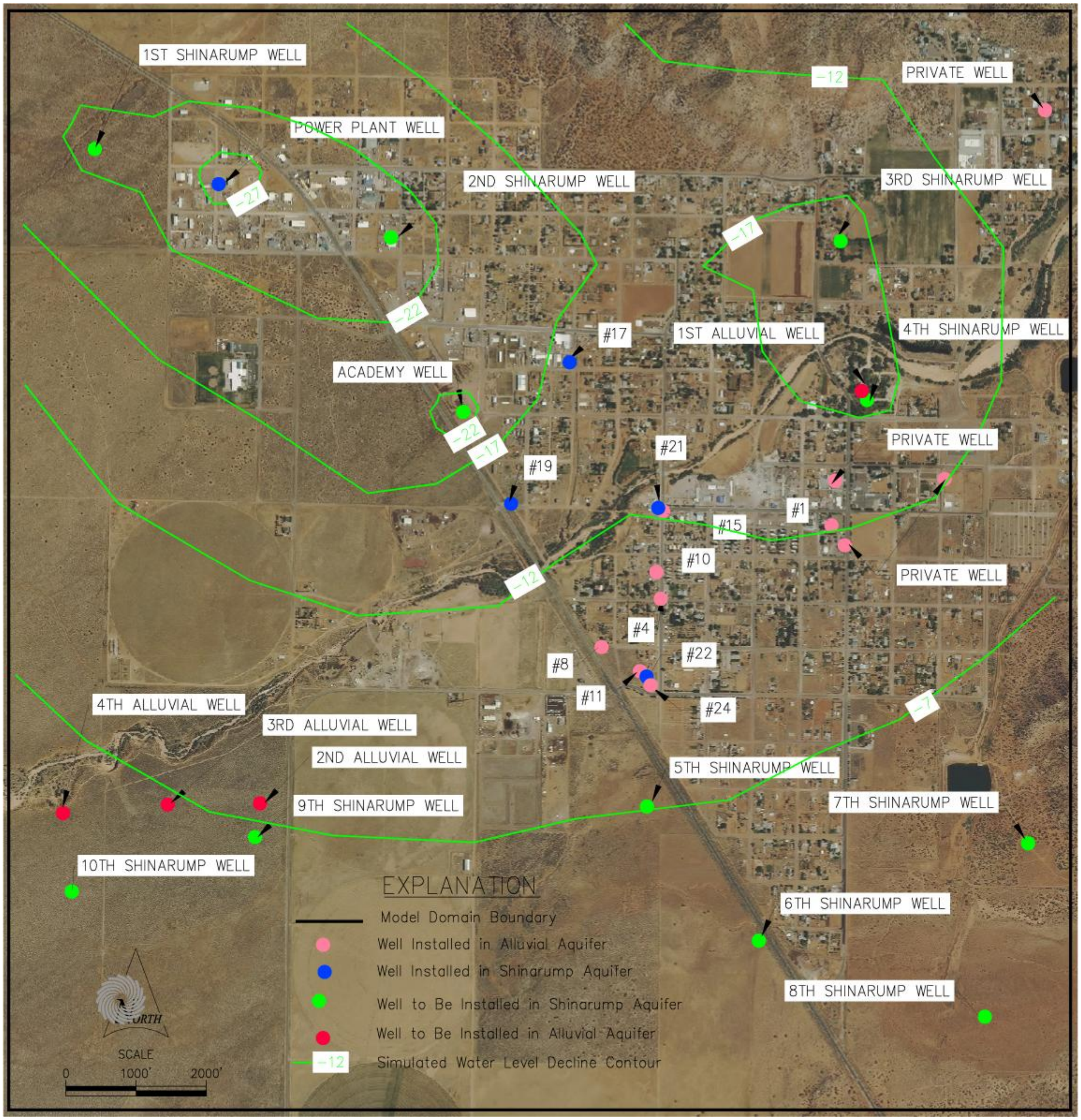


Figure 15. Simulated Water Decline of Shinarump Aquifer at End of 2094

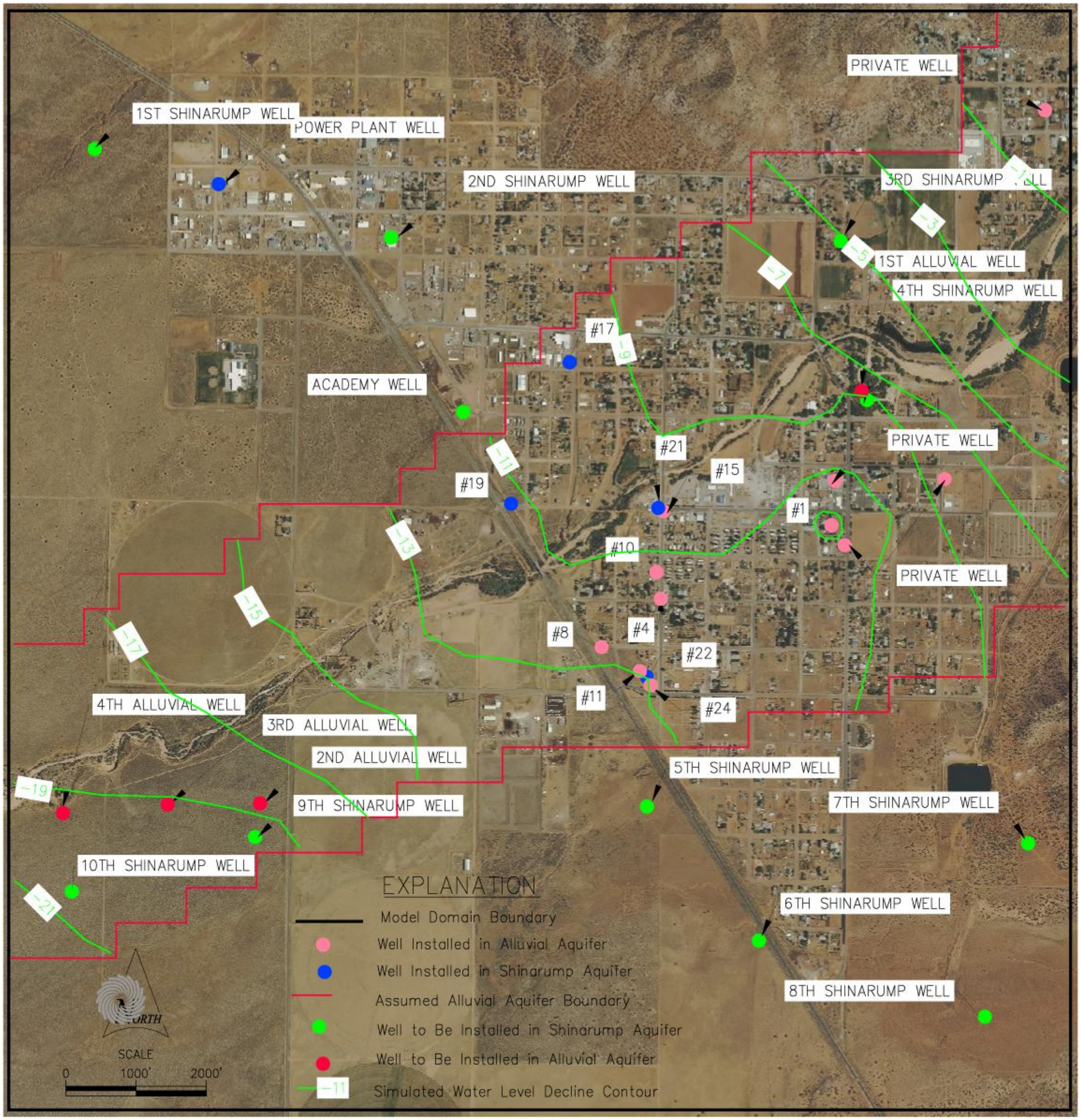


Figure 16. Simulated Water Decline of Alluvial Aquifer at End of 2114

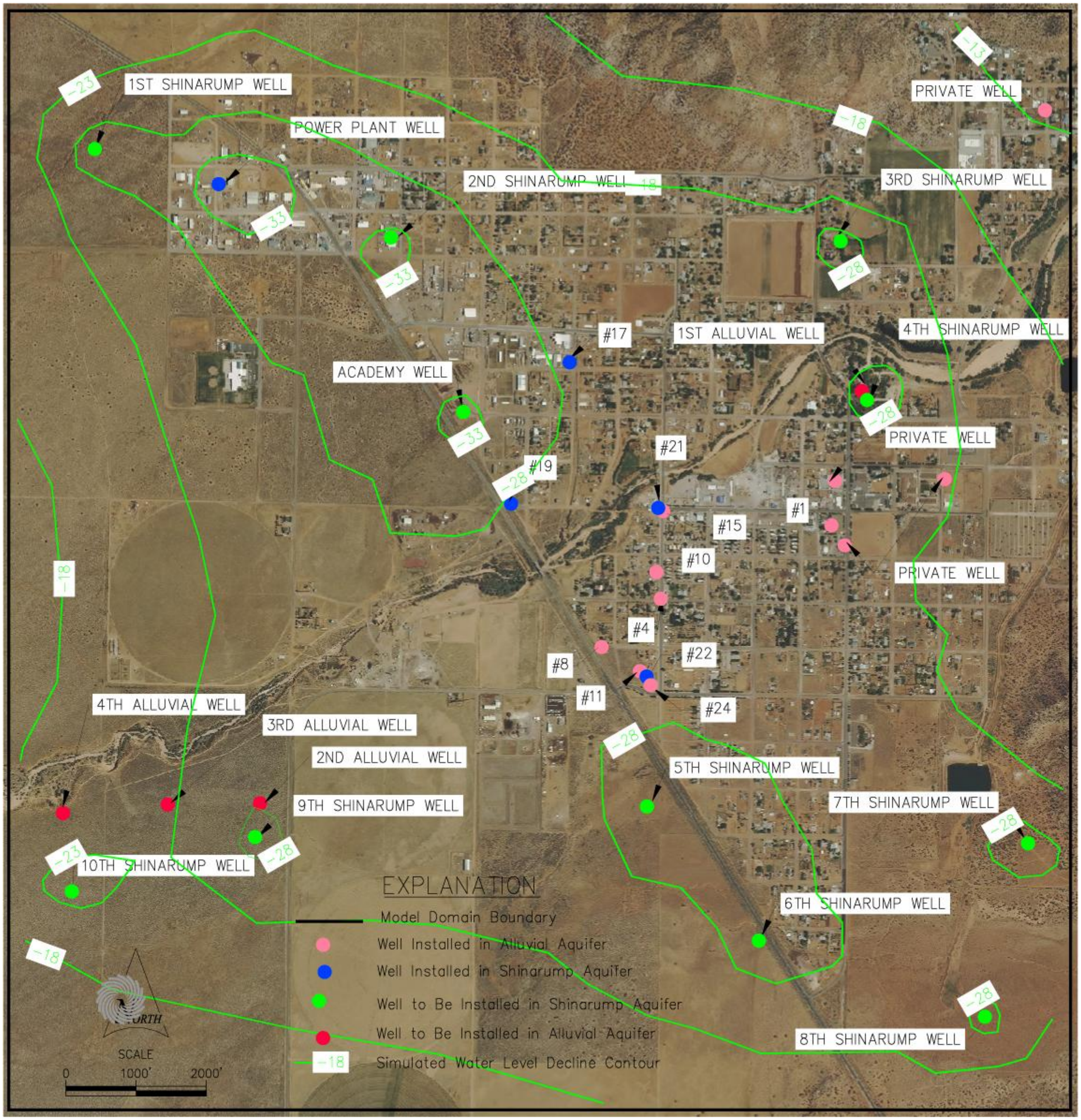


Figure 17. Simulated Water Decline of Shinarump Aquifer at End of 2114

4.7 Model Limitations

A limitation of the model's representation of water levels is the sole water level measurement event that occurred on March 11, 2015. The measurements were conducted at limited locations. Also, subsequent pumping tests began while water levels at adjacent wells were still in a recovery mode. As a result, the hydraulic properties of the aquifers obtained from the tests may not be the most accurate. However, a comparison of the data obtained from the pumped wells with data available from wells in adjacent areas indicates the hydraulic properties obtained from the analysis of the data collected from the pumped wells are within a reasonable range. Thus, the hydraulic property data used in the modeling are considered acceptable at this time.

As stated previously, the alluvial aquifer water table and Shinarump aquifer potentiometric surface should vary from season to season within a given year and from year to year depending on the precipitation and snow patterns in the recharge zone of the aquifers. It is not practical for the digital model to simulate variations over a 100-year period due to the lack of such data and a limited budget. However, the simulated results can still be used as a general guidance for future water development planning in the area.

The extent of the alluvial aquifer was an estimate and could be better defined if more data points were available. Also, no study has been conducted relative to the interaction between Short Creek and the alluvial aquifer. Thus, the most practical method to incorporate the interaction is to simulate the surface runoff of Short Creek as direct recharge to the alluvial aquifer within an approximately 1,000-foot strip along the creek alignment. In the model calibration and simulation of additional pumping, the pumping rate of each well was estimated based on the capacity (or assumed capacity) of each well, due to the lack of historic pumping records from each well.

The hydraulic conductivity for the alluvial aquifer and the transmissivity for the Shinarump aquifer were assumed to be constant due to the lack of data points in the study area. If more data points were available, the distribution of the hydraulic conductivity/transmissivity could have been estimated and used in the modeling effort.

The model should be updated to improve the simulated results as more wells are developed and more data is collected in the area. Updating the model as more data becomes available will minimize the effects of uncertainties associated with the estimation of aquifer properties based on limited data points.

The calibration run and predictive simulations use simple representations of aquifer properties to simulate water levels in the aquifers. The calibration run reproduced similar levels at the measurement points. Therefore, the model simulation is considered to be useful for assessing the effects of future stresses on the aquifer responses.

4.8 Summary of Groundwater Simulation

Groundwater is the source of drinking water for the community consisting of Colorado City, Arizona and Hildale City, Utah. A need for additional groundwater supply for the community has been projected and potential locations for future groundwater development have been identified.

Groundwater in the project area is found in the Navajo Sandstone of the northern portion of the study area, in the alluvial aquifer within a portion of the study area, and the Shinarump aquifer throughout the study area. The Navajo Sandstone aquifer is located in a mountainous area where it is not practically feasible to install vertical wells. Spring development is the best option for groundwater development from the Navajo Sandstone aquifer which is described in Section 5.

The alluvial aquifer consists of shallow water-bearing strata with a thickness of less than 100 feet. Groundwater in the aquifer moves toward the southwest, generally parallel to Short Creek. The alluvial aquifer within the study area receives recharge primarily from surface runoff from Short Creek, local precipitation, and local unconsumed irrigation water.

The Shinarump aquifer is a confined aquifer. Groundwater in the aquifer moves toward the northwest. The Shinarump aquifer receives recharge from the south beyond the study area where the Shinarump sandstone is exposed.

A numerical groundwater flow model was developed on the basis of results from previous studies and data collected during this study to simulate the groundwater system in the Colorado City/Hildale area. The principal objective of the modeling approach was to assess the potential effects of proposed new wells on the water table of the alluvial aquifer and the potentiometric surface of the Shinarump aquifer.

The model was calibrated using the water level data collected on March 11, 2015. Five 20-year transient-state models were then run to simulate water level decline in the alluvial and Shinarump aquifers based on the addition of new water sources (wells) as required by future water demand. The pumping rate from each well was estimated based on the well capacity and the average water demand projected for the community. The simulated results present the average groundwater conditions. Since the pumping rate may change during the year, the actual water level decline at each well may change with time during the year. The model did not simulate water level decline based on the time of the year. Overall, the water level will decline in both aquifers over time. At the end of the 100-year simulation, the water level of the alluvial aquifer is predicted to decline by 1-21 feet, and the potentiometric surface of the Shinarump aquifer will decrease by 13-33 feet within the model domain.

Based on the simulated results, the following is recommended:

- Artificial recharge projects are recommended to be implemented along Short Creek before 2034 to increase recharge to the alluvial aquifer. It is recommended that a linear park be constructed along Short Creek and stormwater retention ponds be constructed within the park.

- The modeling results indicate that the Shinarump aquifer will not sustain the proposed water production in the long run. To meet the 100-year water demand, other water sources will need to be considered.
- It is recommended that the water table conditions of the alluvial aquifer and the potentiometric surface of the Shinarump aquifer be monitored over time and as more wells are developed. The groundwater model may be updated to improve the predictive results of the modeling.
- In the future, water source development alternatives should consist of the following:
  - Spring development from the Navajo Sandstone aquifer should be considered the highest priority for future source development options. However, since the area of spring development is located on public lands administered by the U.S. Bureau of Land Management (BLM), obtaining approval from BLM may take a long time (for more details see Section 5.4). Moreover, there is the possibility that spring development may reduce recharge to the alluvial aquifer. It should be noted that the impact of spring development from the Navajo Sandstone aquifer cannot be evaluated in the modeling effort at this time since there is no established relationship between spring water production from the Navajo Sandstone aquifer and the recharge to the alluvial aquifer. This potential impact will need to be monitored after springs are developed.
  - Installation of not more than two new wells in the alluvial aquifer and not more than two new wells in the Shinarump aquifer in addition to the Academy Well. The modeling results indicate that installation of more wells in alluvial aquifer or the Shinarump aquifer will very likely adversely impact the production of the existing wells.

5 OTHER RESOURCE TOPICS

5.1 Stormwater Recharge

Practically, it is more feasible to apply recharge to the shallow alluvial aquifer than the Shinarump aquifer because there is a thick impermeable layer between the shallow alluvial and the Shinarump aquifers in the Hildale/Colorado City area. Therefore, to provide recharge to the Shinarump aquifer, deep wells (at least 500-700 feet deep) would need to be drilled. Installation of a 12-inch diameter 700-foot deep well into the Shinarump aquifer would cost approximately $430,000. The best locations for installing such recharge wells would be southern part of the model domain, such as in the vicinity of the proposed 5th through 10th Shinarump Wells, as shown in Figures 7 through 17, since the groundwater in the aquifer moves towards northwest. Moreover, the stormwater to be injected into the Shinarump aquifer would need to be treated to the drinking water standard before it can be transmitted to the injection wells. It would be cost-prohibitive to inject drinking water into the Shinarump aquifer.

Utilizing stormwater to recharge the shallow alluvial aquifer is also not beneficial at the present time. The shallow aquifer is less than 100 feet thick and thus does not have much storage capacity. According to water level measurements taken by the Hildale/Colorado City Water Department on March 11, 2015, the water table ranges from 37 to 54 feet below grade at the well locations, and the shallow aquifer receives natural recharge from precipitation and stream water. When there is stormwater available for recharge, the shallow soil may be saturated and the shallow aquifer receives recharge naturally. When the shallow soil is dry, there is no storm water to use for recharge. Moreover, not all the recharge water can be stored in the shallow aquifer. The shallow groundwater naturally flows towards the south-southwest from the Colorado City/Hildale area.

In the long run, it is beneficial to develop a land use plan in which certain areas will be strategically reserved for public parks. The parks may potentially enhance the natural recharge to the alluvial aquifer which, based on modeling simulations, will have a lower water table in the future as more wells are developed in the area. As recommended in Section 4, a linear park might be developed along Short Creek with stormwater retention ponds constructed along the park. It is recommended that the artificial project be completed before 2034.

5.2 Deep Wells

A search of water rights from the Utah Division of Water Rights database identified a deep test well. The test well had a total depth of 3,250 feet below grade and was drilled using the mud rotary method in 2001. The well is located in Section 34, Township 43 South, Range 10 West, Salt Lake Base and Meridian. The water level was measured to be approximately 1,900 feet below grade, and no pumping test or water quality test was performed. The driller estimated the production of the test well to range from 3,000 to 5,000 gpm. A review of the well log indicates that the driller lost circulation at a depth of 2,045 feet below grade. Therefore, it is likely the water was from the limestone present between 2,045 feet and 2,245 feet below grade, and sandstone present at depths ranging from 2,245 feet to 3,250 feet below grade. The well was lost during installation. The well location is shown in Figure 1.

It is possible to develop this deep water source if there is no other source of water available. To pump 3,000 gpm of water from the deep aquifer, the well diameter will need to be at least 20 inches. The cost for installation of such a deep well in the aquifer is estimated to be in the range of $1,500,000 to $2,500,000 (See Appendix A). If lost circulation occurs during drilling, additional costs may be required to fix the problem. Moreover, the pumping cost would be extremely high since the depth to water was 1,900 feet below grade. Water quality may potentially be of concern as deep water may have a higher temperature. As a result, total dissolved solids may be high which would increase treatment costs. Therefore, development of deep wells is not recommended at the present time. If funding is available, a test well can be drilled first and then water samples collected for laboratory analysis of all chemicals as required by the Utah Division of Drinking Water. If the laboratory results of the water samples indicate the water meets the drinking water standard as set forth by the Utah Division of Drinking Water, the test well will then be converted to a production well.

5.3 Wastewater Reuse

Wastewater has been characterized to contain unusually high total dissolved solids. Therefore, it is not beneficial to reuse the wastewater unless appropriate treatment of the wastewater is performed. Treatment options are limited because reducing salinity and dissolved solids generally results in a waste stream with even higher TDS concentrations. In addition, costs associated with technology capable of treating the wastewater to the required quality are extremely high.

5.4 Resource Development from Navajo Sandstone Aquifer

One of the alternatives to supply additional water for the community is to develop horizontal wells or springs on public lands administered by BLM in Water Canyon and/or Maxwell Canyon. The canyons include natural springs with high quality water. Development of water resources in these canyons would require obtaining a right-of-way (ROW) from BLM.

Although the steps and costs required to obtain a ROW and develop water resources on BLM lands can vary depending on the specific location and proposed improvements, the following information should provide a general outline for the Town to follow if it is determined to pursue water resources on BLM lands.

- Pre-application meeting: The first step to initiate the process of obtaining a ROW and developing water resources on BLM land is to schedule a pre-application meeting with a BLM Realty Specialist. This meeting provides an applicant with the opportunity to explain the proposed plan and present other information, such as the extent of the project, preliminary maps, etc. This meeting will provide an opportunity for the BLM to help identify potential road blocks and to provide information that will be necessary to move forward. This meeting could also help to identify "show stoppers" before significant resources are expended unnecessarily. A meeting of this type took place with the BLM on May 5, 2015 as part of the Town's water master planning process.

- Onsite Review Meeting: In some cases, as a follow-up to the pre-application meeting, BLM may request an onsite review meeting to help the agency better understand the scope of the proposal and to assist further in determining the feasibility of the proposal. It is expected that a meeting of this nature would be required. It is anticipated that BLM staff, Town personnel and engineering representatives would attend the onsite review meeting if requested.

- Application: If it is determined through the pre-application and onsite review meetings that the project may be feasible, the next step is to prepare and submit an SF-299 application form. The application itself is not extremely burdensome to complete, but some of the supporting documentation can add significantly to the work.

A) Plan of Development: A major piece of supporting documentation required with the application is the Plan of Development (POD). The POD outlines the details of the proposed work to occur within the ROW. It includes a detailed description of the purpose/need of the ROW, a legal description of the land required, detailed maps and drawings of the proposed improvements, information on materials to be used, and a detailed written description of how the work is to be performed and the land restored. The document should also include an overview of potential environmental concerns and an outline of ongoing operation and maintenance requirements.

   Providing an acceptable POD normally requires a significant portion of the engineering work to take place. This work can include detailed surveys, well siting or AquaTrack geophysical studies, hydrogeological studies, improvement layouts, preliminary construction details, etc.

B) Water Rights: Another piece of supporting documentation that will be required along with the application is evidence of valid water rights allowing development or diversion of water as proposed. In the event that the applicant does not own existing water rights in the location of the proposed improvements, this would involve providing sufficient documentation showing that the water rights could be obtained and the diversion points approved. When water rights are owned by an applicant, costs may include those associated with a water right change application.

- Cost Reimbursement Determination: Following submission of the ROW application, BLM will determine the fees which will be associated with the application and ROW and provide this information to the applicant. These fees include the Processing Fee, which covers the costs associated with reviewing the application, the Monitoring Fee, which covers the cost to monitor construction of the project, and the Annual Rental Fee to use the land. These fees are based on the amount of time anticipated for the BLM to perform the required work. In 2015, the Processing and Monitoring Fees ranged from $121 for up to 8 hours of work, to $1,145 for up to 50 hours of work. If the anticipated time exceeds 50 hours, a full reimbursement agreement would be required, specifying that all BLM work is to be paid for by the hour. The Annual Rent is dependent on the value of the land per the BLM assigned Zone Value and the total amount of land required. It also includes inflation to adjust the rate throughout the duration of the ROW Agreement.

- Environmental Review: Following acceptance of the application and payment of the Processing Fee, and the environmental review meeting, the requirements prescribed in the National Environmental Policy Act (NEPA) will be needed. The environmental work required is dependent on the proposed project, and can vary from a Categorical Exclusion (CE) to an Environmental Impact Statement (EIS). Although it cannot be guaranteed, it is anticipated that for this project, the level of required analysis will likely be an Environmental Assessment (EA).

- Approval: Upon completion of the Environmental Review, unless it is determined that the project may cause serious environmental consequences that cannot be mitigated (or the application was denied for some other reason), BLM can issue approval of the ROW application. This approval comes in the form of a written ROW grant.

- Final Engineering Design: Unless completed previously, the final engineering design phase will need to be completed prior to construction. This process can be completed earlier in order to expedite the process, but it is sometimes completed after approval of the ROW application to reduce risk. This process should include finalizing the construction drawings and specifications required for construction.

- Permitting Phase: Depending on the proposed project and the nature of the work, there may be other permits required in order to complete the work. These permits can be required in order to meet local, State and Federal requirements. Permitting requirements for a project to develop additional water resources on BLM lands as proposed may include a Stream Alteration Permit, a Section 404 Permit, and a NPDES permit.

- Bidding, Construction and Monitoring: After the engineering design is in place, and ROW approvals and permits have been obtained, the proposed improvements can be constructed. Construction can be completed by a hired contractor or by the applicant, but must take place according to the details in the ROW grant. BLM will likely complete several monitoring visits during construction.

- Maintenance and Lease: Following construction, there will be certain maintenance tasks that will be required to take place according to the details of the ROW grant agreement. The Town will be responsible to ensure this maintenance occurs, and will be responsible to pay the Annual Rental Fee.

The total cost for a water resource development project is estimated to be approximately $2,850,000 in Water Canyon and $2,550,000 in Maxwell Canyon. See the Engineer's Opinions of Probable Cost (EOPC) included in Appendix B. Water from the Navajo Sandstone aquifer is generally high quality, and will likely require minimal treatment.

5.5 Potential for Municipal Irrigation

Per the direction of Colorado City, this plan should analyze the potential for the Town to install a municipal irrigation distribution system using untreated water in order to relieve the demand on the culinary water system. It should also identify areas of maximum benefit (with associated costs) for potential sites to consider for first phase implementation.

5.5.1 Background

Currently, the Colorado City and Hildale City culinary water systems serve both the indoor and outdoor water needs of most of the community. This contributes to the high water demands and deficiencies the culinary system currently faces.

The South Side Irrigation (SSI) Company also operates a privately owned irrigation system in the community. In the past, it is understood that the system provided water to a small number of homes and businesses, but that currently the primary users of the SSI system are agricultural fields on the south-west side of Town. It is assumed, for the purposes of this analysis, that the use of SSI water or infrastructure is not a viable option to provide irrigation water for residential, non-agricultural, or municipal connections in the future.

The Town also feels it would be more cost effective in the long run to construct new facilities than it would be to take over the very limited aging wells and infrastructure.

5.5.2 Considerations

There are numerous considerations which should be reviewed to evaluate the possibility or need of establishing a municipal irrigation system for the Town of Colorado City and Hildale City. These include the following:

- High Outdoor Water Use: According to the 2014 Hildale City and Town of Colorado City Culinary Water Impact Fee Facilities Plan and Impact Fee Analysis (2014 Water Plan), the average connection uses approximately 1,427 gpd with approximately 627 gpd (or 43.9%) representing outdoor water usage. In 2014, the total number of connections was 919, with a projected number of 1,345 connections by the year 2034. This represents an average outdoor demand of between 576,000 and 843,000 gpd that will be required during that time period.

- Culinary Water Source Treatment Capacity: The existing culinary water system faces deficiencies in both source and treatment capacity. The 2014 Water Plan indicates that the current source capacity deficit is approximately 501 gpm and that the treatment plant is currently being operated in a series configuration in order to treat the water to the required culinary standard. Implementing a separate irrigation system would reduce the demand on the system significantly and could extend the life of the existing infrastructure. It would also eliminate the cost to treat the water to culinary standard before it is used for irrigation.

- Water Treatment Savings: In addition to reducing the demand on the culinary water treatment plant, there would also be a significant savings in operation and maintenance costs that could be obtained by not being required to treat outdoor water to culinary standards. There would still be pumping, storage, and personnel costs required to supply irrigation water, but there would also be treatment plant savings from the reduction of treatment chemicals, replacement media, electricity, etc.

- Water Revenue Reduction: Another consideration is the reduction in water system revenue that would be expected based on reduced culinary water usage if a community wide irrigation system was implemented. Assuming the average outdoor usage per connection of 627 gpd and a 30 day month, culinary water usage would be reduced by approximately 18,810 gallons per month per equivalent residential connection. Using the rate of $1.20 per thousand gallons, this would result in a reduction of the monthly culinary fee of $22.57 per connection. When focusing on the entire community, for the 919 existing water connections estimated in the 2014 Water Plan, this would result in a reduction of culinary water revenue by approximately $20,744 per month if all existing customers utilized municipal irrigation water.

  However, it should be noted that initial phases of the irrigation system would provide water for municipal connections only, and that a decrease in water revenue would not be expected until private customers were tied to the system. If this occurred, it would likely be implemented in a phased approach over many years.

- Municipal Irrigation Infrastructure Costs: Since water infrastructure cannot be shared between culinary and irrigation systems, new infrastructure would need to be constructed in order to operate a separate irrigation system. Required infrastructure would include well(s), distribution piping, service connections and storage facilities. Costs for initial phases will be estimated later in this section.

5.5.3 Need for Irrigation System

Based on the previously mentioned factors, this report recommends commencing with implementation of an irrigation system. Although initial costs for the irrigation system would be substantial, the existing shortage in culinary water source capacity, and the reduction in O&M costs due to the decrease in treatment required may provide enough incentive to proceed with Phase I and later Phase II of the irrigation improvements recommended by this plan.

5.5.4 Existing Irrigation Improvements

Colorado City has indicated there is an existing well near the Colorado City town hall that could be utilized for irrigation purposes. The well has not been equipped; however, the town does have the pump and motor with VFD that is planned to be used for the well – pending completion of a pump building.

Colorado City has also indicated that the well should be able to produce approximately 100 gpm. The 100 gpm has been calculated as approximately 336,000 gallons of available water per week based on the assumptions below.

- Total Flow: 100 gpm
- Assumed Daily Run Time: 8 hrs/day
- Assumed Days per Week: 7 days
- Calculated Weekly Volume: 336,000 gallons/week
- Calculated Weekly Volume: 12.37 acre-in/week

The assumed daily run time is based on an assumption of desired conservation. This number allows for some flexibility during the heat of the summer in case additional watering is required.

The calculated weekly volume of available water also assumes that the watering schedules for all connections on the system work in conjunction with each other.

Please note that, if not already completed, this well should be tested to verify that the water is suitable for irrigation use.

5.5.5 Recommended Phasing

There are a number of irrigation improvements that could be made which would produce an immediate benefit, for relatively low cost.

The location of the well is ideal for a number of connections that could be converted from culinary water to irrigation as soon as the well is equipped. The probable candidates for Phase I of the irrigation system are listed below in order of perceived priority for maximum benefit:

- Colorado City Town Hall & Fire Station – the irrigation system for these facilities could be tied over to irrigation very cost effectively as they are immediately adjacent to the existing well.
- Pioneer Heritage Park – the park is also in close proximity to the existing well and could be connected to the irrigation system quite cost effectively by installing a line down Pioneer St.
- Township Avenue planter strip – The connection to the planter strip that runs down Township Avenue could be made by installing a line up Pioneer St. to Township Avenue.
- Additional planter strips – connecting additional planter strips will not provide as much of a benefit for the cost, but will still provide a cost effective method for converting to irrigation.

  - Johnson Avenue planter strip – this planter strip could be connected to the irrigation system by continuing the line south past the Pioneer Heritage Park down Pioneer St. a block to Johnson Avenue.
  - Central St. planter strip – This planter strip could be connected at the top of University Avenue and Central St. The line would be extended up Pioneer Street one block and over one block to Central St. An additional option may be to connect to the planter strip by installing a line directly east from the well.
  - Mohave Avenue planter strip – this planter strip could be connected to the irrigation system by continuing the line in Pioneer St. across Johnson Avenue south two blocks to Mohave Avenue.
- Mohave Community College – The college should have a separate connection, the line at the Johnson Avenue planter strip could be extended to the college.

Because timing of usage is required, phase I is not ideal to allow residential connections to the irrigation system. However, once reliable storage can be maintained (see recommended phase III), residential connections in close proximity to the irrigation lines could be offered a connection to the system.

Phase II of the irrigation system would likely involve adding another well (similar to the existing well). This well could be added at Lauritzen Park. Phase II could connect to Phase I improvements across the wash and then add additional areas in Hildale. The probable candidates for Phase II of the irrigation system are listed below in order of perceived priority for maximum benefit:

- Isaac W. Carling Memorial Park – The irrigation system could be connected to the memorial park by connecting into the line at the intersection of Pioneer St. and Edson Avenue and extending the line east to cemetery.
- Cottonwood Elementary – The irrigation system could be connected to the school by extending the system north from Edson Avenue along Carlin St.
- Lauritzen Park – This park has been watered from irrigation water in the past and would be the obvious next candidate as it would likely be near the improvements from Phase I and is a good candidate for an additional well.
- Water Canyon School – This school has potential for a lot of usage to be converted to irrigation. This connection would not be included in the first phase due to its location and long distance from Phase I, but would be a good candidate for Phase II.
- Hildale City Hall & Fire Station – This potential connection is located next to the Water Canyon School and should be included in the same phase.

Phase III of the irrigation system would likely be to connect to some form of storage. One possible scenario is to utilize the existing Saddle Tank which is near the potential connections to Water Canyon School. The Water Plan identifies another tank being required for culinary water near the Saddle Tank at a different elevation. The Saddle tank could then potentially be used for the irrigation system. With reliable storage, the system could then potentially allow residential connections.

Phase IV of the irrigation system would be to look into the possibility of extending the irrigation system throughout the entire community and opening it up to all residences in the community. This phase should be looked at after the initial phases, and detailed recommendations or layouts are not included in the scope of this plan. This phase would require additional irrigation lines, additional wells, and additional storage (tanks or reservoirs).

There are several other potential irrigation connections, some of which could be close to lines from Phase I and Phase II, which may eventually be considered:

- Cottonwood Park – this park will likely be adjacent to the irrigation system in Phase I or Phase II; however, the park already is watered from an existing well. Because of this, it is not likely that there is interest in incorporating the well into the new irrigation system.
- Isaac W Carling Memorial Park – this park will likely be in close proximity of the irrigation system in phases I or II. However, it is unclear how much irrigation is used in this park and if there is any interest for this park to be connected to the water system. If there is a desire to connect this park to the irrigation system and there is potential for significant usage, it would not be difficult to extend the line past Cottonwood Elementary to serve the park.
- Maxwell Park – similar to Cottonwood Park, this park is already irrigated from an existing well. This park is more remote than some of the other potential candidates for the irrigation system and therefore may be less likely to be connected to the system.
- El Capitan School – this school already runs their irrigation system off of an existing well and is also remote. If there was a desire and funding available, a transmission line could be run to the school; or if the system were ever run throughout the entire community, the school could be connected at that time. A connection to the school seems unlikely at the current time due to the distance that would be required.

5.5.6 Water Requirements

The amount of land that can be irrigated using the available irrigation water supply depends on numerous factors. However, by using available resources and making several assumptions, the following estimates have been provided.

- Irrigated Acreage: The land area that could be irrigated with the 100 gpm well was calculated as 9.0 acres in following Utah code R309 recommendations and based on the assumptions below.
    - Average yearly demand for the Colorado City / Hildale area is shown as 2.69 acre-ft per irrigated acre (equivalent to 32.28 inches per year) for consumptive use zone 5 (see Table 510-3 of R309-510).

- The note on Table 510-3 indicates the average yearly demand is based on 213 days of irrigation. Dividing 32.28 inches by 213 and then multiplying by 7 gives a requirement of 1.06 inches per week.
- The state code R309 recommends applying a safety factor to the requirement. Assuming a safety factor of 1.3 (30% more than calculated), the total requirement is 1.38 inches per week.
- It was previously shown that the well can be assumed to supply 336,000 gallons per week (equivalent to 12.37 acre-in/week). If the 12.37 acre-in/week is divided by the 1.38 inches per week requirement, this indicates that the well could provide water for 9.0 irrigated acres.

- Planter Strips: Determining the length of planter strip that could be irrigated was found in a different manner based on the following assumptions.
  - The water requirement per tree was assumed to be 20 gal/day (small to mid-size tree).
  - The average tree spacing along the road was estimated to be 40 ft.
  - The safety factor was again taken as 1.3
  - Multiplying the 20 gal/day by 7 (to convert to weekly) and by the safety factor of 1.3, and dividing by the tree spacing of 40 feet, gives a value of 4.55 gallons/week/ft.
  - It was previously shown that the well can be assumed to supply 336,000 gallons per week, which, divided by the 4.55 gal/wk/ft previously calculated results in approximately 73,846 ft or 7 miles of road assuming both sides of the road had planter strips – assuming all water from the well were used on the planter strips.

  Because the planter strips are being considered separately from the irrigated acreage, a consumption value was calculated from the previous results to be used for irrigated acreage or lineal feet of planter strip:

  - Water requirement per irrigated acreage – 37,446 gal/wk/acre
  - Water requirement per foot of planter strip – 4.55 gal/wk/ft

- Water Requirement: The water requirement for the potential areas to connect to the irrigation system are shown in the table below. The area of irrigated acres and the lineal feet of planter strip are estimates and should be taken as such.

Table 5-1. Estimated Water Requirements for Potential Irrigated Areas

	Irr. Acres	Ln Ft	Gallons/Week
Phase I			
Colorado City Town Hall / Fire Station	0.25		9,215
Pioneer Heritage Park	0.20		7,543
Planter Strips		31,614	143,844
Cottonwood Elementary	1.58		59,078
Mohave Community College	0.40	770	18,357
			238,037
Phase II			
Lauritzen Park	0.76		28,275
Water Canyon School	4.77		178,674
Hildale City Hall / Fire Station	0.15		5,763
			212,712

5.5.7 Preliminary Pipe Sizing

The new irrigation lines are recommended to be 6" pipe to allow for more flexibility in future phases. As a rule of thumb, velocities in the pipe are desired to be below 5 feet per second; especially when there is limited looping in the system. The approximate velocities for different size of pipe is shown below. These velocities assume a flow of 100 gpm. Please keep in mind that the actual velocity will vary slightly due to differences in inner diameter depending on type of pipe.

Table 5-2. Pipe Velocities Based on 100 gpm Flow

Nominal Pipe Dia. (in)	Velocity (fps)
2	10.2
3	4.5
4	2.6
6	1.1
8	0.6

As can be seen, the 3" could technically provide a velocity less than the recommended maximum velocity of 5 fps for Phase I. However, due to the lack of looping and in an attempt to decrease the amount of power required to pump the water, at least a 4" pipe diameter is suggested. Using 6" diameter in the first phase will cost more initially, but may be more cost effective in the long run if future phases are constructed.

5.5.8 Cost Estimates & Preliminary Layouts

Exhibits showing the preliminary layouts for Phase I and Phase II improvements along with associated opinions of probable cost have been included in Appendix C. The estimated costs for each of these phases is as follows:

- Phase I Distribution System Improvements - $228,000
- Phase II Distribution System Improvements - $552,100

5.6 Water Conservation Plan Review & Recommendations

The town of Colorado City currently has in place a Water Conservation Program and Policy. The plan addresses initial conservation measures and emergency measures that can be put into place in case of emergency water shortages.

The plan has 4 stages that are generally implemented based on degree of water shortage:

- Stage 1 (Reduction in Water Use) is implemented when the storage capacity drops to 75% based on a ten-day average and aims for a 10% reduction in water usage.
- Stage 2 (Mandatory Water Restrictions) is implemented when the storage capacity drops to 60% based on a five-day average and aims for a 15-20% reduction in water usage.
- Stage 3 (Additional Mandatory Restrictions) is implemented when the storage capacity drops to 45% based on a five-day average and aims for a 25-30% reduction in water usage.
- Stage 4 (Water Rationing Plan) is implemented when the storage capacity drops to 25% based on a five-day average and aims for a 40-60% reduction in water usage.

The current water conservation program does well to mitigate emergency shortage scenarios, and Stage 1 includes some great general water conservation practices that can apply in every day practice as well. However, we recommend that a water conservation and management plan be implemented which looks at additional methods commonly used to conserve water.

A typical water conservation and management plan includes the following:

- Description of the City or Town and its Water System
- Water Problems, Conservation Measures, and Goals
- Current Conservation Practices
- Current Pricing Structure
- Additional Conservation Measures
- Cost Analysis
- Implementing and Updating the Plan

The most fundamental portion of the plan is identifying water conservation goals and the practices that can help to achieve those goals.

The following are typical practices used to conserve water, some of which may already be implemented in the Town of Colorado City:

- Make sure there are meters on all connections
- Maintenance and replacement program for meters
- System water audits
- Provide indoor and outdoor water audits for users
- Public information programs
- Water education programs for the schools
- Workshops
- Replacements and retrofits
- Informative water bill
- Promotion of landscape efficiency
- Rebates and incentives
- Pressure management
- Reuse and recycling
- Water-use standards and regulations
- Time of day watering ordinance
- Requirements for new developments
- Incentive water conservation prices/rate structure
- Designate a water conservation coordinator and advisory committee

We recommend the Town move forward with preparation of a more comprehensive water management and conservation plan addressing some of the key points mentioned above.

6 LIMITATIONS

This report was prepared for the exclusive use of the study area as described in this report for specific application to this project and has been prepared in accordance with currently generally accepted principles and practices in the fields of engineering and hydrogeology. No warranties, expressed or implied, are intended or made. As additional information becomes available, the calculations and interpretations expressed in this report may be subject to revision.

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Appendix A
Cost Estimates for Well Construction

SUNRISE ENGINEERING, INC.

12227 South Business Park Drive, Suite 220, Draper, Utah 84020

Tel: (801) 523-0100 Fax: (801) 523-0990

Engineer's Opinion of Probable Cost

Project - Colorado City Hydrogeological Study 4-Feb-16

Colorado City, Arizona

Shallow Well - Cable Tool DY/rbf

NO.	DESCRIPTION	Estimated	Units	Unit Price	TOTAL COST
1	Mobilization	1	LS	2380	$2,380
2	Construction of Detention Ponds and Drill Pad	1	LS	2500	$2,500
3	Conductor Casing Furnishing and Installing	30	LF	180	$5,400
4	Cable Tool Drive Shoe	1	LS	1500	$1,500
5	8” Diameter Hole Drilling and Well Log Preparing	100	LF	60	$6,000
6	8” Diameter Casing Furnishing and Installing	100	LF	40	$4,000
7	8" Casing Perforation	1	LS	1000	$1,000
8	Sanitary Grout	1	CY	1050	$1,050
9	Furnish, Install and Remove Test Pump	1	LS	1750	$1,750
10	Well Development and Test	72	HR	225	$16,200
11	Well Disinfection and Capping	1	LS	4000	$4,000
12	Well Abandonment (Cap and Seal), If Necessary	1	LS	2000	$2,000
13	Site Restoration	1	LS	2000	$2,000
14	Well Log Preparation	1	LS	200	$200
	Subtotal				$49,980
	Contingency	20%			$10,020
	Total Construction Cost				$60,000

SUNRISE ENGINEERING, INC.
12227 South Business Park Drive, Suite 220, Draper, Utah 84020
Tel: (801) 523-0100 Fax: (801) 523-0990
Engineer's Opinion of Probable Cost

Project - Colorado City Hydrogeological Study 4-Feb-16
Colorado City, Arizona
Well in Shinarump Aquifer - Rotary Method DY

NO.	DESCRIPTION	Estimated Quantity	Units	Unit Price	TOTAL COST
Well Construction					
1	Mobilization	1	LS	15160	$15,160
2	Construction of Detention Ponds and Drill Pad	1	LS	2500	$2,500
3	Conductor Casing Furnishing and Installing	1	LS	180	$180
4	20" Diameter Hole Drilling and Well Log Preparing	700	LF	200	$140,000
5	Geophysical Logging	1	LS	15000	$15,000
6	12" Diameter Casing Furnishing and Installing	600	LF	80	$48,000
7	12" Diameter Screen Furnishing and Installing	100	LF	200	$20,000
8	Gravel Pack Furnishing and Placing	37	CY	700	$25,900
9	Tremie Refill Pipe Installing	110	LF	15	$1,650
10	Conductor Casing Removing	1	LS	2500	$2,500
11	Sanitary Grout	6	CY	1050	$6,300
12	Furnish, Install and Remove Test Pump	600	LF	15	$9,000
13	Well Development	24	HR	250	$6,000
14	Well Pumping Test	72	HR	250	$18,000
15	Well Disinfection and Capping	1	LS	4000	$4,000
16	Well Abandonment (Cap and Seal), If Necessary	1	LS	2000	$2,000
17	Site Restoration	1	LS	2000	$2,000
18	Well Log Preparation	1	LS	200	$200
	Subtotal				$318,390
	Contingency	20%			$63,680
	Construction Total				$382,070
Professional Services					
19	Well Siting Study	1	LS	6500	$6,500
20	Well Construction Specification/PER/DWSP	1	LS	18000	$18,000
21	Soil Sample Analysis/Gravel Pack & Screen Design	1	LS	5000	$5,000
22	Pumping Test Supervision and Water Sampling/Testi	1	LS	12000	$12,000
23	Miscellaneous Services	1	LS	5000	$5,000
	Professional Services Total				$46,500
	TOTAL COST				$428,570

SUNRISE ENGINEERING, INC.

12227 South Business Park Drive, Suite 220, Draper, Utah 84020

Tel: (801) 523-0100 Fax: (801) 523-0990

Engineer's Opinion of Probable Cost

Project - Colorado City Hydrogeological Study 4-Feb-16

Colorado City, Arizona

Deep Well - Rotary Method DY

NO.	DESCRIPTION	Estimated Quantity	Units	Unit Price	TOTAL COST
Well Construction					
1	Mobilization	1	LS	89080	$89,080
2	Construction of Detention Ponds and Drill Pad	1	LS	5000	$5,000
3	Conductor Casing Furnishing and Installing	1	LS	360	$360
4	28" Diameter Hole Drilling and Well Log Preparing	3300	LF	200	$660,000
5	Geophysical Logging	1	LS	30000	$30,000
6	20” Diameter Casing Furnishing and Installing	2800	LF	180	$504,000
7	20" Diameter Screen Furnishing and Installing	500	LF	300	$150,000
8	Gravel Pack Furnishing and Placing	93	CY	720	$66,960
9	Tremie Refill Pipe Installing	2210	LF	15	$33,150
10	Conductor Casing Removing	1	LS	5000	$5,000
11	Sanitary Grout (800 feet to seal off Shinarump)	74	CY	1050	$77,700
12	Furnish, Install and Remove Test Pump	3000	LF	25	$75,000
13	Well Development	24	HR	500	$12,000
14	Well Pumping Test	72	HR	1000	$72,000
15	Well Disinfection and Capping	1	LS	5000	$5,000
16	Well Abandonment (Cap and Seal), If Necessary	1	LS	80000	$80,000
17	Site Restoration	1	LS	5000	$5,000
18	Well Log Preparation	1	LS	500	$500
	Subtotal				$1,870,750
	Contingency	20%			$374,150
	Construction Total				$2,244,900
Professional Services					
19	Well Siting Study	1	LS	6500	$6,500
20	Well Construction Specification/PER/DWSP	1	LS	25000	$25,000
21	Soil Sample Analysis/Gravel Pack & Screen Design	1	LS	5000	$5,000
22	Pumping Test Supervision and Water Sampling/Testi	1	LS	12000	$12,000
23	Miscellaneous Services	1	LS	5000	$5,000
	Professional Services Total				$53,500
	TOTAL COST				$2,298,400

Appendix B
Cost Estimates for Water Resource Development on BLM Lands

SUNRISE ENGINEERING, INC.

11 North 300 West, Washington, Utah 84780
Tel: (435) 652-8450 Fax: (435) 652-8416

Engineer's Opinion of Probable Cost

Project - Horizontal Wells in Water Canyon 16-Jun-15
Hildale, UT
RBF

NO.	DESCRIPTION	Estimated Quantity	Units	Unit Price	TOTAL COST
1	Mobilization	1	LS	$ 51,000.00	$ 51,000
2	Clearing & Grubbing	1	LS	$ 5,000.00	$ 5,000
3	8" Horizontal Drilling	3,000	Ln. Ft.	$ 100.00	$ 300,000
4	Install 4" Perforated Casing Pipe	3,000	Ln. Ft.	$ 40.00	$ 120,000
5	Disinfection & Water Sampling	1	LS	$ 40,000.00	$ 40,000
6	1" Combination Air Valve Assembly	6	Each	$ 4,000.00	$ 24,000
7	Misc. Connections & Tie-ins	1	LS	$ 5,000.00	$ 5,000
8	4" PVC Line & Fittings	7,500	Ln. Ft.	$ 16.00	$ 120,000
9	4" Gate Valve Assembly	12	Each	$ 1,200.00	$ 14,400
10	8" PVC Line & Fittings	14,000	Ln. Ft.	$ 20.00	$ 280,000
11	8" Gate Valve Assembly	18	Each	$ 1,400.00	$ 25,200
12	Blow-Off Assembly	10	Each	$ 500.00	$ 5,000
13	Import Pipe Bedding	320	Cu. Yd.	$ 20.00	$ 6,400
14	Untreated Base Course	620	Cu. Yd.	$ 35.00	$ 21,700
15	Surface Restoration / Site Mitigation	1	LS	$ 50,000.00	$ 50,000
16					
17	**Sub-Total**				$ 1,067,700
18	**Contingency**	15%			$ 160,200
19	**Total Construction**				**$ 1,227,900**
20	**INCIDENTALS**				
21	Funding & Administrative Services	0.6%	L.S.		$ 10,000
22	Civil Engineering Design	6.1%	L.S.		$ 99,600
23	Engineering Construction Services	5.4%	Hourly		$ 87,000
24	**Studies, Permitting, and Compliance**				
25	On-Site Review Meeting		Est.		$ 2,300
26	BLM SF299 Application		Est.		$ 2,500
27	Plan of Development		Est.		$ 12,000
28	BLM Processing/Monitoring Fees		Est.		$ 3,000
29	Stream Alteration Permit / Section 404 Permit		Est.		$ 6,000
30	NDPES Permit & SWPPP		Est.		$ 6,000
31	Environmental Services (EA or CATEX)		Est.		$ 50,000
32	**Geotechnical Engineering**				
33	Geotechnical Report		Est.		$ 5,000
34	Geotechnical and Materials Testing		Est.		$ 10,000
35	**Survey and Mapping**				
36	Construction Staking		Est.		$ 3,000
37	Design Survey		Est.		$ 15,000
38	GIS Mapping		Est.		$ -
39	Aerial Photography		Est.		$ -
40	**Water Source Incidentals**				
41	Water Rights Research & Applications		Est.		$ 7,500
42	Well Siting Study / AquaTrack Study		Est.		$ 25,000
43	Well/Spring Source Protection Plan		Est.		$ 7,500
44	**Legal and Fiscal**				
45	Bonding & Attorney Fees		Est.		$ 10,000
46	Loan Origination Fee		Est.		$ 28,000
47	**Miscellaneous**				
48	Miscellaneous Engineering Services		Est.		$ 5,000
49					
50		**TOTAL PROJECT COST**			**$ 1,622,300**

In providing opinions of probable construction cost, the Client understands that the Engineer has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinion of probable construction cost provided herein is made on the basis of the Engineer's qualifications and experience. The Engineer makes no warranty, expressed or implied, as to the accuracy of such opinions compared to bid or actual costs.

SUNRISE ENGINEERING, INC.
11 North 300 West, Washington, Utah 84780
Tel: (435) 652-8450 Fax: (435) 652-8416
Engineer's Opinion of Probable Cost

Project - Horizontal Wells in Maxwell Canyon 10-Jul-15
Hildale, UT
RBF

NO.	DESCRIPTION	Estimated Quantity	Units	Unit Price	TOTAL COST
1	Mobilization	1	LS	$ 46,000.00	$ 46,000
2	Clearing & Grubbing	1	LS	$ 5,000.00	$ 5,000
3	8" Horizontal Drilling	4,100	Ln. Ft.	$ 100.00	$ 410,000
4	Install 4" Perforated Casing Pipe	4,100	Ln. Ft.	$ 40.00	$ 164,000
5	Disinfection & Water Sampling	1	LS	$ 40,000.00	$ 40,000
6	1" Combination Air Valve Assembly	3	Each	$ 4,000.00	$ 12,000
7	Misc. Connections & Tie-ins	1	LS	$ 5,000.00	$ 5,000
8	4" PVC Line & Fittings	1,200	Ln. Ft.	$ 16.00	$ 19,200
9	4" Gate Valve Assembly	4	Each	$ 1,200.00	$ 4,800
10	8" PVC Line & Fittings	8,200	Ln. Ft.	$ 20.00	$ 164,000
11	8" Gate Valve Assembly	11	Each	$ 1,400.00	$ 15,400
12	Blow-Off Assembly	6	Each	$ 500.00	$ 3,000
13	Import Pipe Bedding	160	Cu. Yd.	$ 20.00	$ 3,200
14	Untreated Base Course	290	Cu. Yd.	$ 35.00	$ 10,200
15	Surface Restoration / Site Mitigation	1	LS	$ 50,000.00	$ 50,000
16					
17	**Sub-Total**				$ 951,800
18	**Contingency**	15%			$ 142,800
19	**Total Construction**				**$ 1,094,600**
20	**INCIDENTALS**				
21	Funding & Administrative Services	0.7%	L.S.		$ 10,000
22	Civil Engineering Design	6.2%	L.S.		$ 90,400
23	Engineering Construction Services	4.2%	Hourly		$ 61,000
24	**Studies, Permitting, and Compliance**				
25	On-Site Review Meeting		Est.		$ 2,300
26	BLM SF299 Application		Est.		$ 2,500
27	Plan of Development		Est.		$ 12,000
28	BLM Processing/Monitoring Fees		Est.		$ 3,000
29	Stream Alteration Permit / Section 404 Permit		Est.		$ 6,000
30	NDPES Permit & SWPPP		Est.		$ 6,000
31	Environmental Services (EA or CATEX)		Est.		$ 50,000
32	**Geotechnical Engineering**				
33	Geotechnical Report		Est.		$ 5,000
34	Geotechnical and Materials Testing		Est.		$ 10,000
35	**Survey and Mapping**				
36	Construction Staking		Est.		$ 3,000
37	Design Survey		Est.		$ 15,000
38	GIS Mapping		Est.		$ -
39	Aerial Photography		Est.		$ -
40	**Water Source Incidentals**				
41	Water Rights Research & Applications		Est.		$ 7,500
42	Well Siting Study / AquaTrack Study		Est.		$ 25,000
43	Well/Spring Source Protection Plan		Est.		$ 7,500
44	**Legal and Fiscal**				
45	Bonding & Attorney Fees		Est.		$ 10,000
46	Loan Origination Fee		Est.		$ 25,000
47	**Miscellaneous**				
48	Miscellaneous Engineering Services		Est.		$ 5,000
49					
50			**TOTAL PROJECT COST**		**$ 1,450,800**

In providing opinions of probable construction cost, the Client understands that the Engineer has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinion of probable construction cost provided herein is made on the basis of the Engineer's qualifications and experience. The Engineer makes no warranty, expressed or implied, as to the accuracy of such opinions compared to bid or actual costs.

Appendix C

Cost Estimates & Preliminary Layouts for Municipal Irrigation

SUNRISE ENGINEERING, INC.
11 North 300 West, Washington, Utah 84780
Tel: (435) 652-8450 Fax: (435) 652-8416

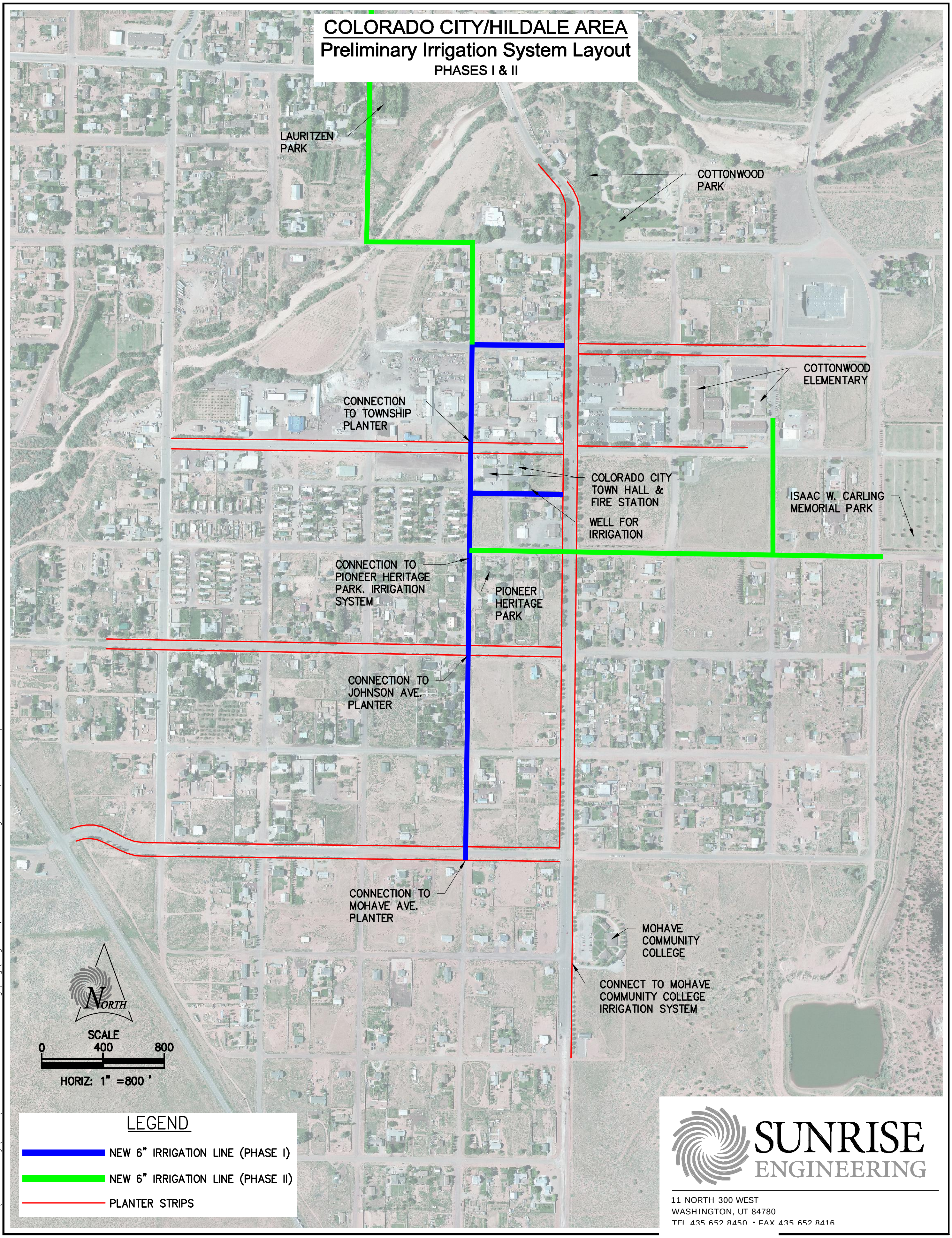
Engineer's Opinion of Probable Cost

Irrigation Study
Hildale City/Town of Colorado City

3/23/2016
SBH/rbf

NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
Phase I Improvements					
1	Mobilization	5%	LS	$ 8,300.00	$ 8,300.00
2	Pre-Construction DVD	1	EA	$ 500.00	$ 500.00
3	Traffic Control	1	LS	$ 2,000.00	$ 2,000.00
4	Subsurface Investigation	24	HR	$ 150.00	$ 3,600.00
5	Dust Control & Watering	1	LS	$ 2,500.00	$ 2,500.00
6	6" C900 PVC, Fittings, Installation, Pipe Bedding, Trench Backfill	4,600	LN FT	$ 18.00	$ 82,800.00
7	6" Gate Valve Assembly	8	EA	$ 1,300.00	$ 10,400.00
8	Miscellaneous Connections, Fittings, and Tie-Ins	1	LS	$ 2,000.00	$ 2,000.00
9	6" Untreated Base Course	2,560	SY	$ 5.40	$ 13,824.00
10	Bituminouse Surface Course	104	CY	$ 250.00	$ 26,118.83
11	Meter Setter Assembly	8	Each	$ 1,800.00	$ 14,400.00
12	Service Saddle W/ Corp Stop	8	Each	$ 650.00	$ 5,200.00
13	Service Lateral Pipe	240	Ln. Ft.	$ 10.00	$ 2,400.00
					$ -
			SUBTOTAL		$ 174,000.00
			CONTINGENCY	10%	$ 17,400.00
			CONSTRUCTION TOTAL		$ 191,400.00
INCIDENTALS					
14	Funding & Adminstrative Services	0.0%	LS		$ -
15	Engineering Design	8.0%	LS	$ 18,200.00	$ 18,200.00
16	Bidding & Negotiating	0.9%	HR	$ 2,000.00	$ 2,000.00
17	Engineering Construction Services	6.1%	HR	$ 13,900.00	$ 13,900.00
18	Geotechnical and Materials Testing	1	LS	$ 2,500.00	$ 2,500.00
			SUBTOTAL		$ 36,600.00
			TOTAL PROJECT COST		$ 228,000.00

In providing opinions of probable construction cost, the Client understands that the Engineer has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinion of probable construction cost provided herein is made on the basis of the Engineer's qualifications and experience. The Engineer makes no warranty, expressed or implied, as to the accuracy of such opinions compared to bid or actual costs.



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SUNRISE ENGINEERING, INC.

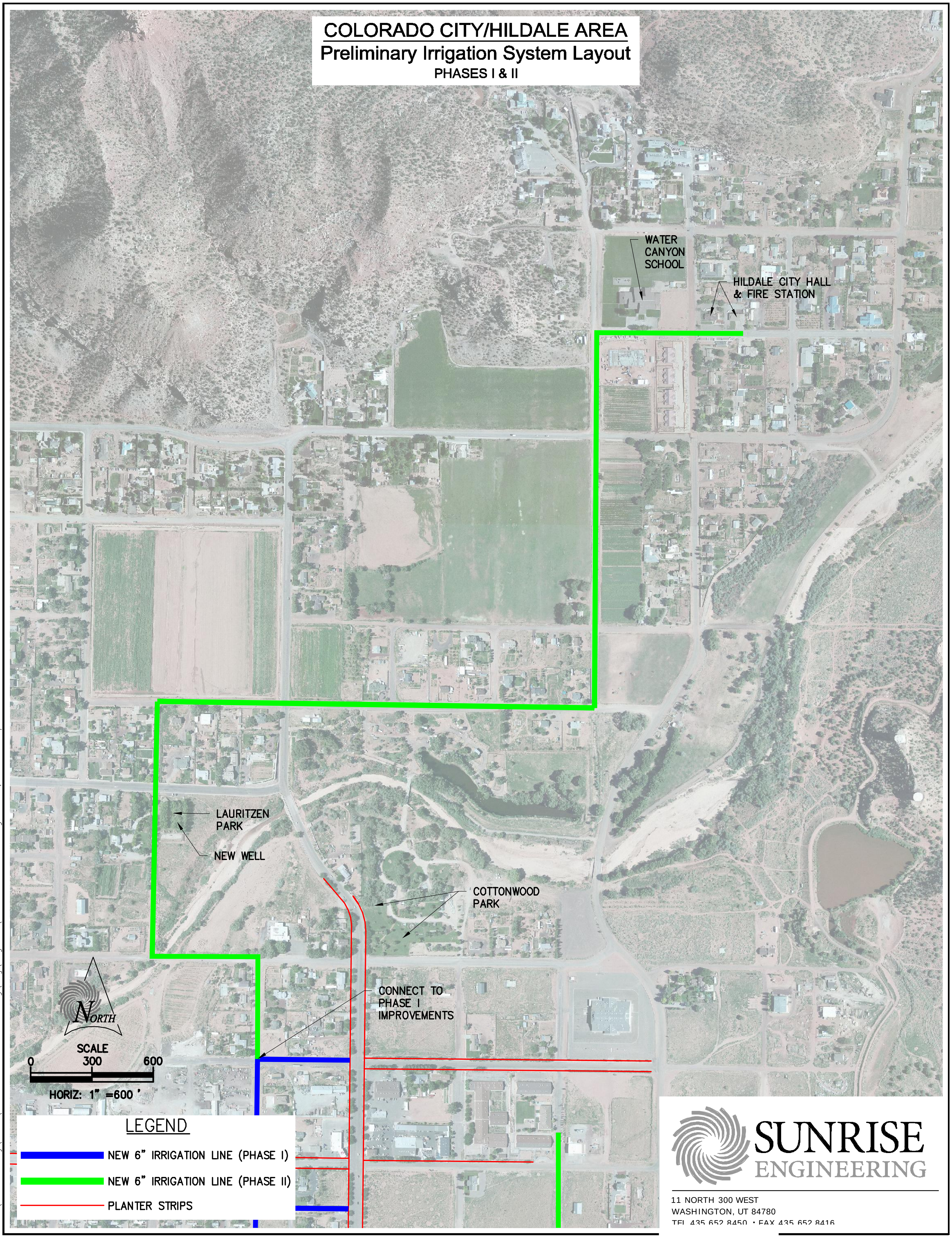
11 North 300 West, Washington, Utah 84780
Tel: (435) 652-8450 Fax: (435) 652-8416

Engineer's Opinion of Probable Cost

Irrigation Study 3/23/2016
Hildale City/Town of Colorado City SBH/rbf

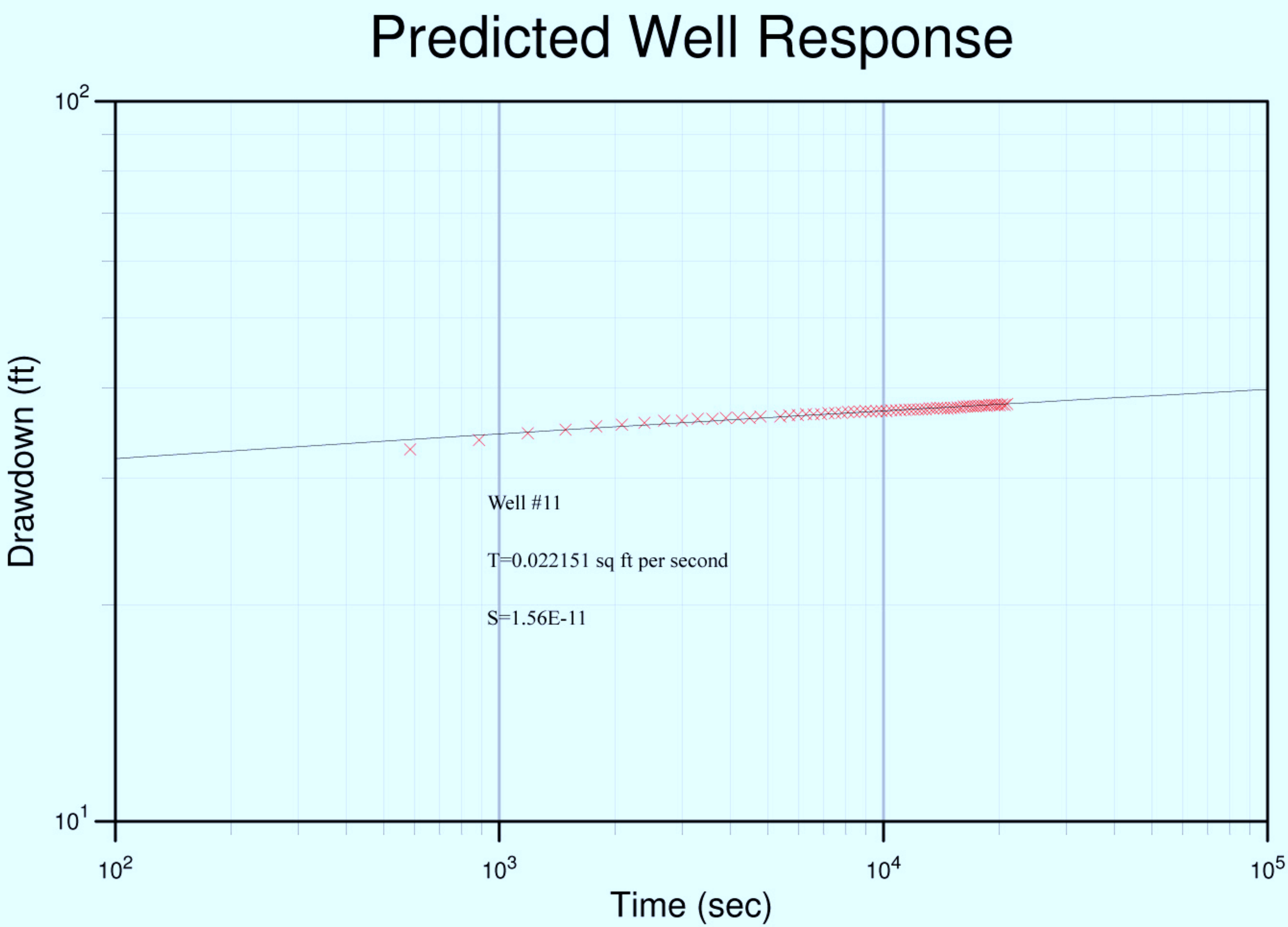
NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	AMOUNT
Phase II Improvements					
1	Mobilization	5%	LS	$ 20,600.00	$ 20,600.00
2	Pre-Construction DVD	1	EA	$ 500.00	$ 500.00
3	Traffic Control	1	LS	$ 2,000.00	$ 2,000.00
4	Subsurface Investigation	24	HR	$ 150.00	$ 3,600.00
5	Dust Control & Watering	1	LS	$ 2,500.00	$ 2,500.00
6	6" C900 PVC, Fittings, Installation, Pipe Bedding, Trench Backfill	12,900	LN FT	$ 18.00	$ 232,200.00
7	6" Gate Valve Assembly	16	EA	$ 1,300.00	$ 20,800.00
8	Wash Crossing	1	LS	$ 5,000.00	$ 5,000.00
9	Miscellaneous Connections, Fittings, and Tie-Ins	1	LS	$ 2,000.00	$ 2,000.00
10	6" Untreated Base Course	7,170	SY	$ 5.40	$ 38,718.00
11	Bituminouse Surface Course	374	CY	$ 250.00	$ 93,557.10
12	Meter Setter Assembly	4	Each	$ 1,800.00	$ 7,200.00
13	Service Saddle W/ Corp Stop	4	Each	$ 650.00	$ 2,600.00
14	Service Lateral Pipe	120	Ln. Ft.	$ 10.00	$ 1,200.00
					$ -
			SUBTOTAL		$ 432,000.00
			CONTINGENCY	10%	$ 43,200.00
			CONSTRUCTION TOTAL		$ 475,200.00
INCIDENTALS					
15	Funding & Adminstrative Services	0.0%	LS		$ -
16	Engineering Design	6.8%	LS	$ 37,800.00	$ 37,800.00
17	Bidding & Negotiating	0.4%	HR	$ 2,000.00	$ 2,000.00
18	Engineering Construction Services	6.3%	HR	$ 34,600.00	$ 34,600.00
19	Geotechnical and Materials Testing	1	LS	$ 2,500.00	$ 2,500.00
			SUBTOTAL		$ 76,900.00
			TOTAL PROJECT COST		$ 552,100.00

In providing opinions of probable construction cost, the Client understands that the Engineer has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinion of probable construction cost provided herein is made on the basis of the Engineer's qualifications and experience. The Engineer makes no warranty, expressed or implied, as to the accuracy of such opinions compared to bid or actual costs.



P:\Colorado City\Water\5085 Water Master Planning\dwg\Irrigation\IRRIGATION SYSTEM.dwg Mar 23, 2016 12:07pm rfunk

Appendix D
Pumping Test Data and Analysis

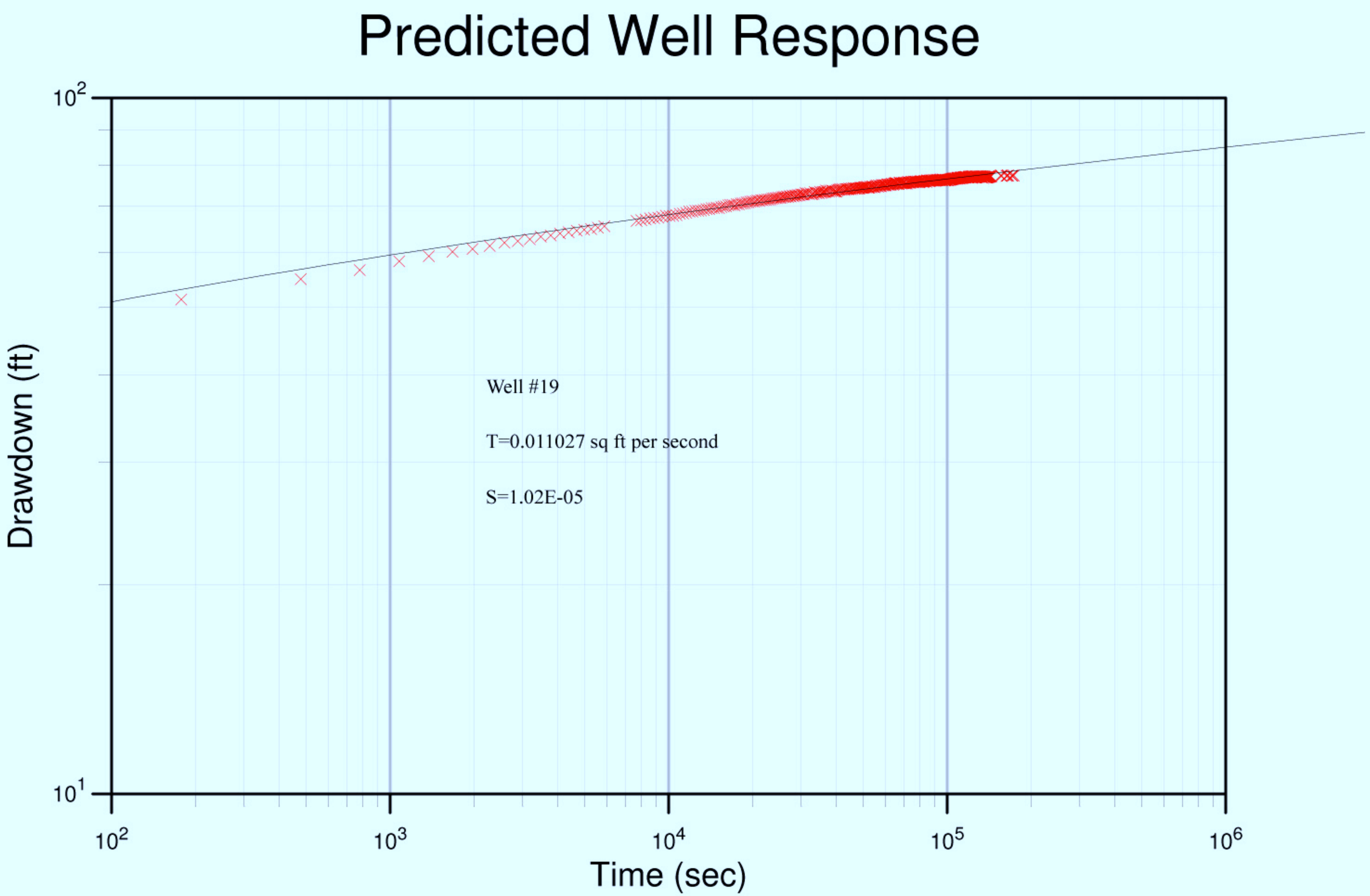

Predicted Well Response
Drawdown (ft)
Time (sec)
10^2
10^1
10^2
10^3
10^4
10^5
Well #11
T=0.022151 sq ft per second
S=1.56E-11

WELL 11 P.OUT
AQUIFERWIN32 ANALYSIS SUMMARY FILE

```
Selected Analysis: Theis, 1935 (Confined)

     Constant discharge from a fully penetrating well in a nonleaky aquifer


ANALYSIS SUMMARY

     Simple Analysis - No Wells Defined

     Optimization Parameters

          Convergence Criteria     0.000010
          Maximum Iterations       100
          Derivative Fraction      0.050000
          Zero Derivative Value    0.000100
          Derivative Type          Central
          Lambda Value             0.001000
          Initial esitmate calculated by straight line estimate.


     Number of Points = 68                   Optimized Match


  ANALYSIS PARAMETERS

       Radial Distance
            Fixed Value                 = 0.5 ft

       Pumping Rate
            Fixed Value                 = 0.318571 cu ft/sec

       Transmissivity
            Calculated Value            = 0.0221508 sq ft/sec
                 Calculation Specifics:
                      Initial Guess     = 0.0221508 sq ft/sec
                      Enforced Minimum  = 0 sq ft/sec

       Storage Coefficient
            Calculated Value            = 1.55737e-011
                 Calculation Specifics:
                      Initial Guess     = 1.55737e-011
                      Enforced Minimum  = 0


  ANALYSIS STATISTICS

       Match Point:
                    Type Curve: (1.000000e-001, 1.000000e-004)
                    Data Curve: (4.394235e-012, 1.144478e-004)

       Residual Mean          = -0.000006
       Residual Standard Dev.  =  0.187748
       Residual Sum of Squares =  2.396954
       Absolute Residual Mean  =  0.113173
       Minimum Residual        = -1.047194
       Maximum Residual        =  0.349603


  DATA DETAIL
```

Index	Time (sec)	Obs. Drawdown (ft)	Calc. Drawdown (ft)	Residual
0	5.860000e+002	3.288000e+001	3.392719e+001	-1.047194e+000
1	8.860000e+002	3.386000e+001	3.440032e+001	-5.403186e-001
2	1.186000e+003	3.462000e+001	3.473408e+001	-1.140766e-001
3	1.486000e+003	3.502000e+001	3.499216e+001	2.784160e-002
4	1.786000e+003	3.539000e+001	3.520262e+001	1.873829e-001
5	2.086000e+003	3.559000e+001	3.538032e+001	2.096798e-001
6	2.386000e+003	3.580000e+001	3.553410e+001	2.658963e-001
7	2.686000e+003	3.601000e+001	3.566965e+001	3.403503e-001
8	2.986000e+003	3.604000e+001	3.579083e+001	2.491711e-001
9	3.286000e+003	3.625000e+001	3.590040e+001	3.496029e-001
10	3.586000e+003	3.624000e+001	3.600039e+001	2.396140e-001
11	3.886000e+003	3.635000e+001	3.609234e+001	2.576632e-001
12	4.186000e+003	3.638000e+001	3.617745e+001	2.025538e-001
13	4.486000e+003	3.636000e+001	3.625666e+001	1.033378e-001
14	4.786000e+003	3.652000e+001	3.633075e+001	1.892516e-001
15	5.386000e+003	3.652000e+001	3.646592e+001	5.407958e-002
16	5.686000e+003	3.667000e+001	3.652796e+001	1.420443e-001
17	5.986000e+003	3.670000e+001	3.658680e+001	1.131993e-001
18	6.286000e+003	3.680000e+001	3.664277e+001	1.572326e-001
19	6.586000e+003	3.676000e+001	3.669612e+001	6.387555e-002
20	6.886000e+003	3.680000e+001	3.674710e+001	5.289570e-002
21	7.186000e+003	3.690000e+001	3.679591e+001	1.040902e-001
22	7.486000e+003	3.690000e+001	3.684272e+001	5.728112e-002
23	7.786000e+003	3.695000e+001	3.688769e+001	6.231154e-002
24	8.086000e+003	3.706000e+001	3.693096e+001	1.290423e-001
25	8.386000e+003	3.704000e+001	3.697265e+001	6.734959e-002
26	8.686000e+003	3.709000e+001	3.701288e+001	7.712245e-002
27	8.986000e+003	3.717000e+001	3.705174e+001	1.182614e-001
28	9.286000e+003	3.709000e+001	3.708932e+001	6.766076e-004
29	9.586000e+003	3.714000e+001	3.712571e+001	1.428699e-002
30	9.886000e+003	3.716000e+001	3.716098e+001	-9.811579e-004
31	1.018600e+004	3.715000e+001	3.719519e+001	-4.519490e-002
32	1.048600e+004	3.724000e+001	3.722842e+001	1.158455e-002
33	1.078600e+004	3.725000e+001	3.726070e+001	-1.069885e-002
34	1.108600e+004	3.724000e+001	3.729210e+001	-5.209653e-002
35	1.138600e+004	3.732000e+001	3.732266e+001	-2.655799e-003
36	1.168600e+004	3.735000e+001	3.735242e+001	-2.420263e-003
37	1.198600e+004	3.735000e+001	3.738143e+001	-3.143022e-002
38	1.228600e+004	3.735000e+001	3.740972e+001	-5.972299e-002
39	1.258600e+004	3.737000e+001	3.743733e+001	-6.733317e-002
40	1.288600e+004	3.737000e+001	3.746429e+001	-9.429292e-002
41	1.318600e+004	3.749000e+001	3.749063e+001	-6.321831e-004
42	1.348600e+004	3.745000e+001	3.751638e+001	-6.637888e-002
43	1.378600e+004	3.754000e+001	3.754156e+001	-1.559095e-003
44	1.408600e+004	3.755000e+001	3.756620e+001	-1.619721e-002
45	1.438600e+004	3.747000e+001	3.759032e+001	-1.203161e-001
46	1.468600e+004	3.743000e+001	3.761394e+001	-1.839371e-001
47	1.498600e+004	3.750000e+001	3.763708e+001	-1.370805e-001
48	1.528600e+004	3.753000e+001	3.765977e+001	-1.297652e-001
49	1.558600e+004	3.761000e+001	3.768201e+001	-7.200890e-002
50	1.588600e+004	3.758000e+001	3.770383e+001	-1.238285e-001
51	1.618600e+004	3.772000e+001	3.772524e+001	-5.239961e-003
52	1.648600e+004	3.772000e+001	3.774626e+001	-2.625815e-002
53	1.678600e+004	3.775000e+001	3.776690e+001	-1.689730e-002
54	1.708600e+004	3.771000e+001	3.778717e+001	-7.717083e-002
55	1.738600e+004	3.770000e+001	3.780709e+001	-1.070915e-001
56	1.768600e+004	3.776000e+001	3.782667e+001	-6.667130e-002
57	1.798600e+004	3.781000e+001	3.784592e+001	-3.592178e-002
58	1.828600e+004	3.782000e+001	3.786485e+001	-4.485381e-002
59	1.858600e+004	3.777000e+001	3.788348e+001	-1.134778e-001

60	1.888600e+004	3.790000e+001	3.790180e+001	-1.803488e-003
61	1.918600e+004	3.791000e+001	3.791984e+001	-9.840398e-003
62	1.948600e+004	3.789000e+001	3.793760e+001	-4.759745e-002
63	1.978600e+004	3.788000e+001	3.795508e+001	-7.508320e-002
64	2.008600e+004	3.786000e+001	3.797231e+001	-1.123058e-001
65	2.038600e+004	3.794000e+001	3.798927e+001	-4.927309e-002
66	2.068600e+004	3.790000e+001	3.800599e+001	-1.059925e-001
67	2.098600e+004	3.799000e+001	3.802247e+001	-3.247116e-002


Predicted Well Response
Drawdown (ft)
Time (sec)
10^2
10^1
10^2
10^3
10^4
10^5
10^6
Well #19
T=0.011027 sq ft per second
S=1.02E-05

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Theis, 1935 (Confined)

Constant discharge from a fully penetrating well in a nonleaky aquifer

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Optimization Parameters

```
Convergence Criteria     0.000010
Maximum Iterations       100
Derivative Fraction      0.050000
Zero Derivative Value    0.000100
Derivative Type          Central
Lambda Value             0.001000
Initial esitmate calculated by straight line estimate.
```

Number of Points = 491 Optimized Match

ANALYSIS PARAMETERS

```
Radial Distance
     Fixed Value                  = 0.5 ft

Pumping Rate
     Fixed Value                  = 0.512386 cu ft/sec

Transmissivity
     Calculated Value             = 0.0110268 sq ft/sec
          Calculation Specifics:
               Initial Guess      = 0.0110144 sq ft/sec
               Enforced Minimum   = 0 sq ft/sec

Storage Coefficient
     Calculated Value             = 1.02287e-005
          Calculation Specifics:
               Initial Guess      = 1.02362e-005
               Enforced Minimum   = 0
```

ANALYSIS STATISTICS

```
Match Point:
             Type Curve: (1.000000e-001, 1.000000e-004)
             Data Curve: (5.797613e-006, 3.697744e-004)

Residual Mean          = -0.000001
Residual Standard Dev.  =  0.476603
Residual Sum of Squares =  111.530632
Absolute Residual Mean  =  0.380714
Minimum Residual        = -1.944722
Maximum Residual        =  0.834672
```

DATA DETAIL

Index	Time (sec)	Obs. Drawdown (ft)	Calc. Drawdown (ft)	Residual
0	1.780000e+002	5.133500e+001	5.309976e+001	-1.764762e+000
1	4.780000e+002	5.493700e+001	5.675249e+001	-1.815493e+000
2	7.780000e+002	5.660900e+001	5.855372e+001	-1.944722e+000
3	1.078000e+003	5.827600e+001	5.975969e+001	-1.483690e+000
4	1.378000e+003	5.928900e+001	6.066758e+001	-1.378581e+000
5	1.678000e+003	6.016100e+001	6.139592e+001	-1.234924e+000
6	1.978000e+003	6.070100e+001	6.200414e+001	-1.303142e+000
7	2.278000e+003	6.131200e+001	6.252631e+001	-1.214306e+000
8	2.578000e+003	6.198900e+001	6.298378e+001	-9.947767e-001
9	2.878000e+003	6.229300e+001	6.339083e+001	-1.097831e+000
10	3.178000e+003	6.269600e+001	6.375749e+001	-1.061486e+000
11	3.478000e+003	6.319600e+001	6.409104e+001	-8.950421e-001
12	3.778000e+003	6.344300e+001	6.439698e+001	-9.539836e-001
13	4.078000e+003	6.388400e+001	6.467954e+001	-7.955352e-001
14	4.378000e+003	6.414900e+001	6.494202e+001	-7.930208e-001
15	4.678000e+003	6.449200e+001	6.518710e+001	-6.951023e-001
16	4.978000e+003	6.467000e+001	6.541694e+001	-7.469450e-001
17	5.278000e+003	6.485100e+001	6.563333e+001	-7.823334e-001
18	5.578000e+003	6.514900e+001	6.583776e+001	-6.887559e-001
19	5.878000e+003	6.546000e+001	6.603147e+001	-5.714670e-001
20	7.678000e+003	6.659800e+001	6.701929e+001	-4.212916e-001
21	7.978000e+003	6.674700e+001	6.716102e+001	-4.140212e-001
22	8.278000e+003	6.690100e+001	6.729752e+001	-3.965183e-001
23	8.578000e+003	6.715300e+001	6.742916e+001	-2.761558e-001
24	8.878000e+003	6.719800e+001	6.755627e+001	-3.582676e-001
25	9.178000e+003	6.733800e+001	6.767915e+001	-3.411548e-001
26	9.478000e+003	6.752200e+001	6.779809e+001	-2.760891e-001
27	9.778000e+003	6.777100e+001	6.791332e+001	-1.423168e-001
28	1.007800e+004	6.768700e+001	6.802506e+001	-3.380622e-001
29	1.037800e+004	6.773200e+001	6.813353e+001	-4.015294e-001
30	1.067800e+004	6.787800e+001	6.823891e+001	-3.609053e-001
31	1.097800e+004	6.821500e+001	6.834136e+001	-1.263614e-001
32	1.127800e+004	6.827400e+001	6.844105e+001	-1.670550e-001
33	1.157800e+004	6.842500e+001	6.853813e+001	-1.131312e-001
34	1.187800e+004	6.867100e+001	6.863272e+001	3.827607e-002
35	1.217800e+004	6.870300e+001	6.872496e+001	-2.195711e-002
36	1.247800e+004	6.888600e+001	6.881495e+001	7.105441e-002
37	1.277800e+004	6.890800e+001	6.890280e+001	5.203975e-003
38	1.307800e+004	6.896000e+001	6.898861e+001	-2.860767e-002
39	1.337800e+004	6.906200e+001	6.907247e+001	-1.047301e-002
40	1.367800e+004	6.923800e+001	6.915448e+001	8.352162e-002
41	1.397800e+004	6.925700e+001	6.923470e+001	2.229551e-002
42	1.427800e+004	6.945700e+001	6.931323e+001	1.437731e-001
43	1.457800e+004	6.945300e+001	6.939012e+001	6.288349e-002
44	1.487800e+004	6.959500e+001	6.946544e+001	1.295602e-001
45	1.517800e+004	6.949300e+001	6.953926e+001	-4.625935e-002
46	1.547800e+004	6.971900e+001	6.961163e+001	1.073660e-001
47	1.577800e+004	6.983100e+001	6.968262e+001	1.483808e-001
48	1.607800e+004	6.990600e+001	6.975227e+001	1.537326e-001
49	1.637800e+004	7.012500e+001	6.982063e+001	3.043721e-001
50	1.667800e+004	7.024200e+001	6.988775e+001	3.542524e-001
51	1.697800e+004	7.023400e+001	6.995367e+001	2.803294e-001
52	1.727800e+004	7.013600e+001	7.001844e+001	1.175611e-001
53	1.757800e+004	7.040000e+001	7.008209e+001	3.179078e-001
54	1.787800e+004	7.030800e+001	7.014467e+001	1.633316e-001
55	1.817800e+004	7.054500e+001	7.020620e+001	3.387969e-001
56	1.847800e+004	7.060000e+001	7.026673e+001	3.332694e-001
57	1.877800e+004	7.062300e+001	7.032628e+001	2.967167e-001
58	1.907800e+004	7.084200e+001	7.038489e+001	4.571079e-001
59	1.937800e+004	7.082800e+001	7.044259e+001	3.854137e-001

60	1.967800e+004	7.097800e+001	7.049939e+001	4.786058e-001
61	1.997800e+004	7.103800e+001	7.055534e+001	4.826574e-001
62	2.027800e+004	7.099000e+001	7.061046e+001	3.795429e-001
63	2.057800e+004	7.111700e+001	7.066476e+001	4.522379e-001
64	2.087800e+004	7.127800e+001	7.071828e+001	5.597189e-001
65	2.117800e+004	7.116700e+001	7.077104e+001	3.959634e-001
66	2.147800e+004	7.139300e+001	7.082305e+001	5.699500e-001
67	2.177800e+004	7.133000e+001	7.087434e+001	4.556581e-001
68	2.207800e+004	7.142400e+001	7.092493e+001	4.990680e-001
69	2.237800e+004	7.139000e+001	7.097484e+001	4.151607e-001
70	2.267800e+004	7.148100e+001	7.102408e+001	4.569180e-001
71	2.297800e+004	7.146500e+001	7.107268e+001	3.923224e-001
72	2.327800e+004	7.155500e+001	7.112064e+001	4.343572e-001
73	2.357800e+004	7.170900e+001	7.116799e+001	5.410063e-001
74	2.387800e+004	7.175000e+001	7.121475e+001	5.352540e-001
75	2.417800e+004	7.180500e+001	7.126091e+001	5.440855e-001
76	2.447800e+004	7.179600e+001	7.130651e+001	4.894863e-001
77	2.477800e+004	7.193900e+001	7.135156e+001	5.874426e-001
78	2.507800e+004	7.186200e+001	7.139606e+001	4.659409e-001
79	2.537800e+004	7.193400e+001	7.144003e+001	4.939685e-001
80	2.567800e+004	7.208900e+001	7.148349e+001	6.055129e-001
81	2.597800e+004	7.207700e+001	7.152644e+001	5.505620e-001
82	2.627800e+004	7.211000e+001	7.156890e+001	5.411042e-001
83	2.657800e+004	7.221600e+001	7.161087e+001	6.051285e-001
84	2.687800e+004	7.213900e+001	7.165238e+001	4.866239e-001
85	2.717800e+004	7.231800e+001	7.169342e+001	6.245800e-001
86	2.747800e+004	7.217100e+001	7.173401e+001	4.369867e-001
87	2.777800e+004	7.239300e+001	7.177417e+001	6.188341e-001
88	2.807800e+004	7.222800e+001	7.181389e+001	4.141129e-001
89	2.837800e+004	7.248200e+001	7.185319e+001	6.288139e-001
90	2.867800e+004	7.234900e+001	7.189207e+001	4.569281e-001
91	2.897800e+004	7.244900e+001	7.193055e+001	5.184470e-001
92	2.927800e+004	7.258500e+001	7.196864e+001	6.163623e-001
93	2.957800e+004	7.249700e+001	7.200633e+001	4.906657e-001
94	2.987800e+004	7.270000e+001	7.204365e+001	6.563497e-001
95	3.017800e+004	7.268100e+001	7.208059e+001	6.004064e-001
96	3.047800e+004	7.264400e+001	7.211717e+001	5.268286e-001
97	3.077800e+004	7.272100e+001	7.215339e+001	5.676090e-001
98	3.107800e+004	7.301500e+001	7.218926e+001	8.257408e-001
99	3.137800e+004	7.285700e+001	7.222478e+001	6.322172e-001
100	3.167800e+004	7.297200e+001	7.225997e+001	7.120316e-001
101	3.197800e+004	7.277500e+001	7.229482e+001	4.801777e-001
102	3.227800e+004	7.304300e+001	7.232935e+001	7.136492e-001
103	3.257800e+004	7.277600e+001	7.236356e+001	4.124401e-001
104	3.287800e+004	7.274100e+001	7.239746e+001	3.435447e-001
105	3.317800e+004	7.286100e+001	7.243104e+001	4.299571e-001
106	3.347800e+004	7.329900e+001	7.246433e+001	8.346718e-001
107	3.377800e+004	7.295500e+001	7.249732e+001	4.576835e-001
108	3.407800e+004	7.311300e+001	7.253001e+001	5.829869e-001
109	3.437800e+004	7.312900e+001	7.256242e+001	5.665769e-001
110	3.467800e+004	7.299500e+001	7.259455e+001	4.004485e-001
111	3.497800e+004	7.336300e+001	7.262640e+001	7.365968e-001
112	3.527800e+004	7.304200e+001	7.265798e+001	3.840172e-001
113	3.557800e+004	7.322300e+001	7.268930e+001	5.337049e-001
114	3.587800e+004	7.326600e+001	7.272034e+001	5.456556e-001
115	3.617800e+004	7.332800e+001	7.275114e+001	5.768649e-001
116	3.647800e+004	7.328500e+001	7.278167e+001	5.033284e-001
117	3.677800e+004	7.362200e+001	7.281196e+001	8.100420e-001
118	3.707800e+004	7.346100e+001	7.284200e+001	6.190017e-001
119	3.737800e+004	7.351600e+001	7.287180e+001	6.442034e-001
120	3.767800e+004	7.336800e+001	7.290136e+001	4.666434e-001
121	3.797800e+004	7.365500e+001	7.293068e+001	7.243178e-001
122	3.827800e+004	7.339700e+001	7.295978e+001	4.372229e-001

123	3.857800e+004	7.367500e+001	7.298864e+001	6.863552e-001
124	3.887800e+004	7.360800e+001	7.301729e+001	5.907111e-001
125	3.917800e+004	7.339000e+001	7.304571e+001	3.442872e-001
126	3.947800e+004	7.346200e+001	7.307392e+001	3.880801e-001
127	3.977800e+004	7.341000e+001	7.310191e+001	3.080865e-001
128	4.007800e+004	7.339400e+001	7.312970e+001	2.643033e-001
129	4.037800e+004	7.364300e+001	7.315727e+001	4.857273e-001
130	4.067800e+004	7.383400e+001	7.318464e+001	6.493554e-001
131	4.097800e+004	7.381300e+001	7.321182e+001	6.011846e-001
132	4.127800e+004	7.403000e+001	7.323879e+001	7.912120e-001
133	4.157800e+004	7.380400e+001	7.326557e+001	5.384348e-001
134	4.187800e+004	7.390300e+001	7.329215e+001	6.108501e-001
135	4.217800e+004	7.402500e+001	7.331854e+001	7.064551e-001
136	4.247800e+004	7.386800e+001	7.334475e+001	5.232472e-001
137	4.277800e+004	7.377800e+001	7.337078e+001	4.072237e-001
138	4.307800e+004	7.399500e+001	7.339662e+001	5.983822e-001
139	4.337800e+004	7.395900e+001	7.342228e+001	5.367199e-001
140	4.367800e+004	7.401900e+001	7.344777e+001	5.712345e-001
141	4.397800e+004	7.399000e+001	7.347308e+001	5.169236e-001
142	4.427800e+004	7.393600e+001	7.349822e+001	4.377847e-001
143	4.457800e+004	7.413400e+001	7.352318e+001	6.108156e-001
144	4.487800e+004	7.397400e+001	7.354799e+001	4.260140e-001
145	4.517800e+004	7.404800e+001	7.357262e+001	4.753776e-001
146	4.547800e+004	7.413900e+001	7.359710e+001	5.419043e-001
147	4.577800e+004	7.401200e+001	7.362141e+001	3.905919e-001
148	4.607800e+004	7.427600e+001	7.364556e+001	6.304383e-001
149	4.637800e+004	7.412300e+001	7.366956e+001	4.534414e-001
150	4.667800e+004	7.412300e+001	7.369340e+001	4.295992e-001
151	4.697800e+004	7.418200e+001	7.371709e+001	4.649099e-001
152	4.727800e+004	7.422500e+001	7.374063e+001	4.843713e-001
153	4.757800e+004	7.407200e+001	7.376402e+001	3.079816e-001
154	4.787800e+004	7.413900e+001	7.378726e+001	3.517389e-001
155	4.817800e+004	7.413900e+001	7.381036e+001	3.286414e-001
156	4.847800e+004	7.417100e+001	7.383331e+001	3.376873e-001
157	4.877800e+004	7.430200e+001	7.385613e+001	4.458747e-001
158	4.907800e+004	7.424500e+001	7.387880e+001	3.662021e-001
159	4.937800e+004	7.435700e+001	7.390133e+001	4.556676e-001
160	4.967800e+004	7.428600e+001	7.392373e+001	3.622697e-001
161	4.997800e+004	7.427400e+001	7.394599e+001	3.280066e-001
162	5.027800e+004	7.439400e+001	7.396812e+001	4.258767e-001
163	5.057800e+004	7.445600e+001	7.399012e+001	4.658785e-001
164	5.087800e+004	7.452000e+001	7.401199e+001	5.080103e-001
165	5.117800e+004	7.441100e+001	7.403373e+001	3.772708e-001
166	5.147800e+004	7.451300e+001	7.405534e+001	4.576583e-001
167	5.177800e+004	7.455100e+001	7.407683e+001	4.741714e-001
168	5.207800e+004	7.432800e+001	7.409819e+001	2.298086e-001
169	5.237800e+004	7.435300e+001	7.411943e+001	2.335685e-001
170	5.267800e+004	7.439900e+001	7.414055e+001	2.584498e-001
171	5.297800e+004	7.459100e+001	7.416155e+001	4.294509e-001
172	5.327800e+004	7.451400e+001	7.418243e+001	3.315707e-001
173	5.357800e+004	7.444900e+001	7.420319e+001	2.458077e-001
174	5.387800e+004	7.460100e+001	7.422384e+001	3.771606e-001
175	5.417800e+004	7.464100e+001	7.424437e+001	3.966282e-001
176	5.447800e+004	7.452700e+001	7.426479e+001	2.622091e-001
177	5.477800e+004	7.442700e+001	7.428510e+001	1.419022e-001
178	5.507800e+004	7.454500e+001	7.430529e+001	2.397062e-001
179	5.537800e+004	7.478400e+001	7.432538e+001	4.586199e-001
180	5.567800e+004	7.473200e+001	7.434536e+001	3.866421e-001
181	5.597800e+004	7.490100e+001	7.436523e+001	5.357717e-001
182	5.627800e+004	7.466100e+001	7.438499e+001	2.760075e-001
183	5.657800e+004	7.459100e+001	7.440465e+001	1.863484e-001
184	5.687800e+004	7.488900e+001	7.442421e+001	4.647932e-001
185	5.717800e+004	7.472000e+001	7.444366e+001	2.763409e-001

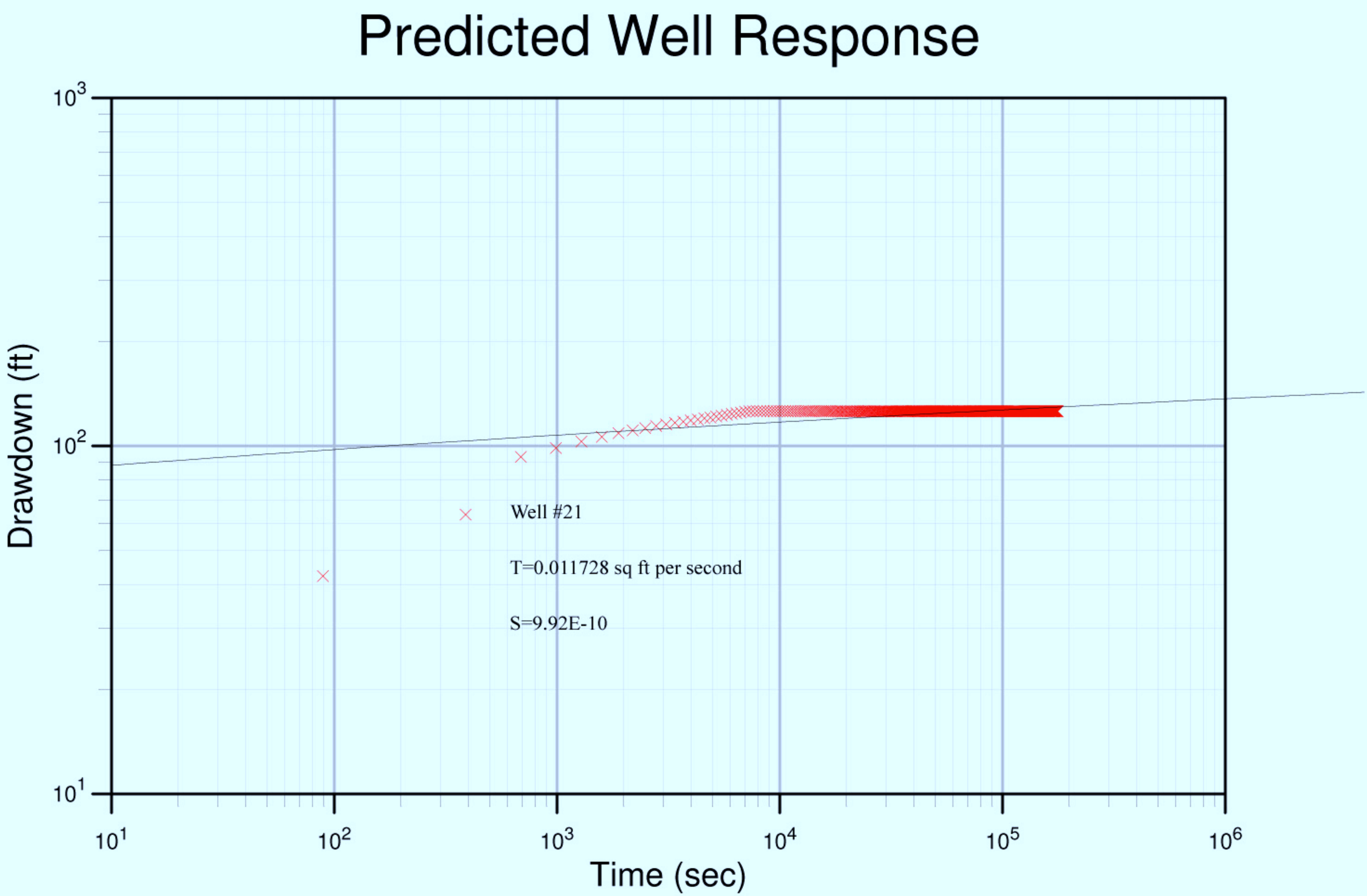
186	5.747800e+004	7.478500e+001	7.446301e+001	3.219904e-001
187	5.777800e+004	7.467100e+001	7.448226e+001	1.887406e-001
188	5.807800e+004	7.483200e+001	7.450141e+001	3.305905e-001
189	5.837800e+004	7.504500e+001	7.452046e+001	5.245391e-001
190	5.867800e+004	7.489900e+001	7.453941e+001	3.595854e-001
191	5.897800e+004	7.487800e+001	7.455827e+001	3.197283e-001
192	5.927800e+004	7.501600e+001	7.457703e+001	4.389669e-001
193	5.957800e+004	7.489400e+001	7.459570e+001	2.983001e-001
194	5.987800e+004	7.497000e+001	7.461427e+001	3.557272e-001
195	6.017800e+004	7.494500e+001	7.463275e+001	3.122470e-001
196	6.047800e+004	7.490200e+001	7.465114e+001	2.508588e-001
197	6.077800e+004	7.517500e+001	7.466944e+001	5.055616e-001
198	6.107800e+004	7.510200e+001	7.468765e+001	4.143544e-001
199	6.137800e+004	7.519500e+001	7.470576e+001	4.892365e-001
200	6.167800e+004	7.510400e+001	7.472379e+001	3.802069e-001
201	6.197800e+004	7.502300e+001	7.474174e+001	2.812647e-001
202	6.227800e+004	7.516100e+001	7.475959e+001	4.014093e-001
203	6.257800e+004	7.509200e+001	7.477736e+001	3.146396e-001
204	6.287800e+004	7.511500e+001	7.479505e+001	3.199549e-001
205	6.317800e+004	7.532600e+001	7.481265e+001	5.133544e-001
206	6.347800e+004	7.528200e+001	7.483016e+001	4.518373e-001
207	6.377800e+004	7.515400e+001	7.484760e+001	3.064027e-001
208	6.407800e+004	7.509900e+001	7.486495e+001	2.340500e-001
209	6.437800e+004	7.526100e+001	7.488222e+001	3.787783e-001
210	6.467800e+004	7.536200e+001	7.489941e+001	4.625869e-001
211	6.497800e+004	7.542300e+001	7.491652e+001	5.064751e-001
212	6.527800e+004	7.547200e+001	7.493356e+001	5.384421e-001
213	6.557800e+004	7.545200e+001	7.495051e+001	5.014872e-001
214	6.587800e+004	7.522800e+001	7.496739e+001	2.606097e-001
215	6.617800e+004	7.542000e+001	7.498419e+001	4.358089e-001
216	6.647800e+004	7.528900e+001	7.500092e+001	2.880840e-001
217	6.677800e+004	7.525600e+001	7.501757e+001	2.384345e-001
218	6.707800e+004	7.524000e+001	7.503414e+001	2.058596e-001
219	6.737800e+004	7.551100e+001	7.505064e+001	4.603587e-001
220	6.767800e+004	7.551700e+001	7.506707e+001	4.499310e-001
221	6.797800e+004	7.553600e+001	7.508342e+001	4.525761e-001
222	6.827800e+004	7.538800e+001	7.509971e+001	2.882931e-001
223	6.857800e+004	7.544700e+001	7.511592e+001	3.310815e-001
224	6.887800e+004	7.555600e+001	7.513206e+001	4.239407e-001
225	6.917800e+004	7.542500e+001	7.514813e+001	2.768701e-001
226	6.947800e+004	7.542100e+001	7.516413e+001	2.568690e-001
227	6.977800e+004	7.549900e+001	7.518006e+001	3.189368e-001
228	7.007800e+004	7.553300e+001	7.519593e+001	3.370730e-001
229	7.037800e+004	7.565400e+001	7.521172e+001	4.422770e-001
230	7.067800e+004	7.536700e+001	7.522745e+001	1.395481e-001
231	7.097800e+004	7.545500e+001	7.524311e+001	2.118859e-001
232	7.127800e+004	7.546600e+001	7.525871e+001	2.072897e-001
233	7.157800e+004	7.532600e+001	7.527424e+001	5.175901e-002
234	7.187800e+004	7.558000e+001	7.528971e+001	2.902933e-001
235	7.217800e+004	7.572600e+001	7.530511e+001	4.208920e-001
236	7.247800e+004	7.561000e+001	7.532045e+001	2.895546e-001
237	7.277800e+004	7.575200e+001	7.533572e+001	4.162805e-001
238	7.307800e+004	7.558500e+001	7.535093e+001	2.340693e-001
239	7.337800e+004	7.563300e+001	7.536608e+001	2.669204e-001
240	7.367800e+004	7.554300e+001	7.538117e+001	1.618333e-001
241	7.397800e+004	7.562800e+001	7.539619e+001	2.318075e-001
242	7.427800e+004	7.579200e+001	7.541116e+001	3.808425e-001
243	7.457800e+004	7.578200e+001	7.542606e+001	3.559378e-001
244	7.487800e+004	7.579900e+001	7.544091e+001	3.580930e-001
245	7.517800e+004	7.564200e+001	7.545569e+001	1.863075e-001
246	7.547800e+004	7.564000e+001	7.547042e+001	1.695809e-001
247	7.577800e+004	7.578300e+001	7.548509e+001	2.979127e-001
248	7.607800e+004	7.586600e+001	7.549970e+001	3.663025e-001

249	7.637800e+004	7.581300e+001	7.551425e+001	2.987498e-001
250	7.667800e+004	7.570300e+001	7.552875e+001	1.742541e-001
251	7.697800e+004	7.580400e+001	7.554318e+001	2.608151e-001
252	7.727800e+004	7.586400e+001	7.555757e+001	3.064322e-001
253	7.757800e+004	7.579300e+001	7.557190e+001	2.211050e-001
254	7.787800e+004	7.575100e+001	7.558617e+001	1.648331e-001
255	7.817800e+004	7.571300e+001	7.560038e+001	1.126161e-001
256	7.847800e+004	7.587400e+001	7.561455e+001	2.594536e-001
257	7.877800e+004	7.586600e+001	7.562865e+001	2.373450e-001
258	7.907800e+004	7.563700e+001	7.564271e+001	-5.709858e-003
259	7.937800e+004	7.573400e+001	7.565671e+001	7.728847e-002
260	7.967800e+004	7.579000e+001	7.567066e+001	1.193396e-001
261	7.997800e+004	7.590800e+001	7.568456e+001	2.234432e-001
262	8.027800e+004	7.590000e+001	7.569840e+001	2.015988e-001
263	8.057800e+004	7.592700e+001	7.571219e+001	2.148060e-001
264	8.087800e+004	7.586400e+001	7.572594e+001	1.380645e-001
265	8.117800e+004	7.600300e+001	7.573963e+001	2.633739e-001
266	8.147800e+004	7.582000e+001	7.575327e+001	6.673375e-002
267	8.177800e+004	7.584700e+001	7.576686e+001	8.014375e-002
268	8.207800e+004	7.574400e+001	7.578040e+001	-3.639649e-002
269	8.237800e+004	7.590300e+001	7.579389e+001	1.091127e-001
270	8.267800e+004	7.589200e+001	7.580733e+001	8.467088e-002
271	8.297800e+004	7.600900e+001	7.582072e+001	1.882778e-001
272	8.327800e+004	7.599600e+001	7.583407e+001	1.619330e-001
273	8.357800e+004	7.597600e+001	7.584736e+001	1.286362e-001
274	8.387800e+004	7.595300e+001	7.586061e+001	9.238707e-002
275	8.417800e+004	7.575400e+001	7.587381e+001	-1.198148e-001
276	8.447800e+004	7.604600e+001	7.588697e+001	1.590304e-001
277	8.477800e+004	7.617600e+001	7.590008e+001	2.759221e-001
278	8.507800e+004	7.610000e+001	7.591314e+001	1.868602e-001
279	8.537800e+004	7.599300e+001	7.592616e+001	6.684421e-002
280	8.567800e+004	7.610200e+001	7.593913e+001	1.628739e-001
281	8.597800e+004	7.601300e+001	7.595205e+001	6.094894e-002
282	8.627800e+004	7.598600e+001	7.596493e+001	2.106899e-002
283	8.657800e+004	7.608100e+001	7.597777e+001	1.032337e-001
284	8.687800e+004	7.617200e+001	7.599056e+001	1.814429e-001
285	8.717800e+004	7.603200e+001	7.600330e+001	2.869615e-002
286	8.747800e+004	7.618900e+001	7.601601e+001	1.729932e-001
287	8.777800e+004	7.612400e+001	7.602867e+001	9.533372e-002
288	8.807800e+004	7.616900e+001	7.604128e+001	1.277174e-001
289	8.837800e+004	7.613000e+001	7.605386e+001	7.614406e-002
290	8.867800e+004	7.617700e+001	7.606639e+001	1.106133e-001
291	8.897800e+004	7.605800e+001	7.607888e+001	-2.087517e-002
292	8.927800e+004	7.605700e+001	7.609132e+001	-3.432158e-002
293	8.957800e+004	7.625700e+001	7.610373e+001	1.532738e-001
294	8.987800e+004	7.625200e+001	7.611609e+001	1.359106e-001
295	9.017800e+004	7.603400e+001	7.612841e+001	-9.441143e-002
296	9.047800e+004	7.606300e+001	7.614069e+001	-7.769249e-002
297	9.077800e+004	7.625100e+001	7.615293e+001	9.806709e-002
298	9.107800e+004	7.606400e+001	7.616513e+001	-1.011329e-001
299	9.137800e+004	7.612000e+001	7.617729e+001	-5.729284e-002
300	9.167800e+004	7.618000e+001	7.618941e+001	-9.412896e-003
301	9.197800e+004	7.633300e+001	7.620149e+001	1.315066e-001
302	9.227800e+004	7.628300e+001	7.621353e+001	6.946553e-002
303	9.257800e+004	7.616800e+001	7.622554e+001	-5.753651e-002
304	9.287800e+004	7.625600e+001	7.623750e+001	1.850029e-002
305	9.317800e+004	7.620800e+001	7.624942e+001	-4.142434e-002
306	9.347800e+004	7.625300e+001	7.626131e+001	-8.310632e-003
307	9.377800e+004	7.619700e+001	7.627316e+001	-7.615884e-002
308	9.407800e+004	7.632400e+001	7.628497e+001	3.903079e-002
309	9.437800e+004	7.634300e+001	7.629674e+001	4.625803e-002
310	9.467800e+004	7.623700e+001	7.630848e+001	-7.147737e-002
311	9.497800e+004	7.626500e+001	7.632018e+001	-5.517565e-002

312	9.527800e+004	7.641400e+001	7.633184e+001	8.216297e-002
313	9.557800e+004	7.625700e+001	7.634346e+001	-8.646176e-002
314	9.587800e+004	7.617800e+001	7.635505e+001	-1.770500e-001
315	9.617800e+004	7.618700e+001	7.636660e+001	-1.796021e-001
316	9.647800e+004	7.634300e+001	7.637812e+001	-3.511825e-002
317	9.677800e+004	7.638700e+001	7.638960e+001	-2.598609e-003
318	9.707800e+004	7.628200e+001	7.640104e+001	-1.190434e-001
319	9.737800e+004	7.629300e+001	7.641245e+001	-1.194529e-001
320	9.767800e+004	7.610000e+001	7.642383e+001	-3.238274e-001
321	9.797800e+004	7.613100e+001	7.643517e+001	-3.041669e-001
322	9.827800e+004	7.617200e+001	7.644647e+001	-2.744718e-001
323	9.857800e+004	7.625200e+001	7.645774e+001	-2.057422e-001
324	9.887800e+004	7.627100e+001	7.646898e+001	-1.979783e-001
325	9.917800e+004	7.636300e+001	7.648018e+001	-1.171805e-001
326	9.947800e+004	7.628200e+001	7.649135e+001	-2.093488e-001
327	9.977800e+004	7.625000e+001	7.650248e+001	-2.524834e-001
328	1.000780e+005	7.615100e+001	7.651358e+001	-3.625846e-001
329	1.003780e+005	7.619500e+001	7.652465e+001	-3.296527e-001
330	1.006780e+005	7.618600e+001	7.653569e+001	-3.496876e-001
331	1.009780e+005	7.636500e+001	7.654669e+001	-1.816898e-001
332	1.012780e+005	7.630900e+001	7.655766e+001	-2.486593e-001
333	1.015780e+005	7.632000e+001	7.656860e+001	-2.485963e-001
334	1.018780e+005	7.636200e+001	7.657950e+001	-2.175011e-001
335	1.021780e+005	7.628500e+001	7.659037e+001	-3.053739e-001
336	1.024780e+005	7.645800e+001	7.660121e+001	-1.432147e-001
337	1.027780e+005	7.630500e+001	7.661202e+001	-3.070239e-001
338	1.030780e+005	7.641500e+001	7.662280e+001	-2.078016e-001
339	1.033780e+005	7.645100e+001	7.663355e+001	-1.825479e-001
340	1.036780e+005	7.648400e+001	7.664426e+001	-1.602631e-001
341	1.039780e+005	7.637700e+001	7.665495e+001	-2.779474e-001
342	1.042780e+005	7.646000e+001	7.666560e+001	-2.056009e-001
343	1.045780e+005	7.652700e+001	7.667622e+001	-1.492237e-001
344	1.048780e+005	7.661000e+001	7.668682e+001	-7.681614e-002
345	1.051780e+005	7.663100e+001	7.669738e+001	-6.637831e-002
346	1.054780e+005	7.653000e+001	7.670791e+001	-1.779104e-001
347	1.057780e+005	7.655700e+001	7.671841e+001	-1.614126e-001
348	1.060780e+005	7.665400e+001	7.672889e+001	-7.488501e-002
349	1.063780e+005	7.666800e+001	7.673933e+001	-7.132787e-002
350	1.066780e+005	7.660300e+001	7.674974e+001	-1.467413e-001
351	1.069780e+005	7.657700e+001	7.676013e+001	-1.831255e-001
352	1.072780e+005	7.670200e+001	7.677048e+001	-6.848065e-002
353	1.075780e+005	7.662800e+001	7.678081e+001	-1.528069e-001
354	1.078780e+005	7.661200e+001	7.679110e+001	-1.791043e-001
355	1.081780e+005	7.652400e+001	7.680137e+001	-2.773732e-001
356	1.084780e+005	7.667800e+001	7.681161e+001	-1.336136e-001
357	1.087780e+005	7.658800e+001	7.682183e+001	-2.338257e-001
358	1.090780e+005	7.668500e+001	7.683201e+001	-1.470097e-001
359	1.093780e+005	7.680600e+001	7.684217e+001	-3.616577e-002
360	1.096780e+005	7.685800e+001	7.685229e+001	5.706013e-003
361	1.099780e+005	7.662100e+001	7.686239e+001	-2.413945e-001
362	1.102780e+005	7.681000e+001	7.687247e+001	-6.246758e-002
363	1.105780e+005	7.668900e+001	7.688251e+001	-1.935133e-001
364	1.108780e+005	7.661000e+001	7.689253e+001	-2.825317e-001
365	1.111780e+005	7.678600e+001	7.690252e+001	-1.165231e-001
366	1.114780e+005	7.681900e+001	7.691249e+001	-9.348757e-002
367	1.117780e+005	7.682900e+001	7.692243e+001	-9.342525e-002
368	1.120780e+005	7.686800e+001	7.693234e+001	-6.433630e-002
369	1.123780e+005	7.667600e+001	7.694222e+001	-2.662209e-001
370	1.126780e+005	7.695900e+001	7.695208e+001	6.920941e-003
371	1.129780e+005	7.696500e+001	7.696191e+001	3.088950e-003
372	1.132780e+005	7.669800e+001	7.697172e+001	-2.737170e-001
373	1.135780e+005	7.687500e+001	7.698150e+001	-1.064969e-001
374	1.138780e+005	7.678200e+001	7.699125e+001	-2.092511e-001

375	1.141780e+005	7.684900e+001	7.700098e+001	-1.519797e-001
376	1.144780e+005	7.695400e+001	7.701068e+001	-5.668265e-002
377	1.147780e+005	7.690900e+001	7.702036e+001	-1.113602e-001
378	1.150780e+005	7.698600e+001	7.703001e+001	-4.401258e-002
379	1.153780e+005	7.681800e+001	7.703964e+001	-2.216398e-001
380	1.156780e+005	7.698800e+001	7.704924e+001	-6.124200e-002
381	1.159780e+005	7.689600e+001	7.705882e+001	-1.628193e-001
382	1.162780e+005	7.703200e+001	7.706837e+001	-3.637193e-002
383	1.165780e+005	7.685300e+001	7.707790e+001	-2.248999e-001
384	1.168780e+005	7.703200e+001	7.708740e+001	-5.540340e-002
385	1.171780e+005	7.701400e+001	7.709688e+001	-8.288253e-002
386	1.174780e+005	7.704700e+001	7.710634e+001	-5.933743e-002
387	1.177780e+005	7.689100e+001	7.711577e+001	-2.247682e-001
388	1.180780e+005	7.688200e+001	7.712517e+001	-2.431750e-001
389	1.183780e+005	7.695000e+001	7.713456e+001	-1.845579e-001
390	1.186780e+005	7.687800e+001	7.714392e+001	-2.659171e-001
391	1.189780e+005	7.685800e+001	7.715325e+001	-2.952526e-001
392	1.192780e+005	7.689600e+001	7.716256e+001	-2.665647e-001
393	1.195780e+005	7.697300e+001	7.717185e+001	-1.988533e-001
394	1.198780e+005	7.718400e+001	7.718112e+001	2.881334e-003
395	1.201780e+005	7.701500e+001	7.719036e+001	-1.753609e-001
396	1.204780e+005	7.714400e+001	7.719958e+001	-5.558004e-002
397	1.207780e+005	7.709300e+001	7.720878e+001	-1.157763e-001
398	1.210780e+005	7.709400e+001	7.721795e+001	-1.239497e-001
399	1.213780e+005	7.713700e+001	7.722710e+001	-9.010042e-002
400	1.216780e+005	7.697300e+001	7.723623e+001	-2.632286e-001
401	1.219780e+005	7.704200e+001	7.724533e+001	-2.033342e-001
402	1.222780e+005	7.720500e+001	7.725442e+001	-4.941750e-002
403	1.225780e+005	7.716800e+001	7.726348e+001	-9.547853e-002
404	1.228780e+005	7.700900e+001	7.727252e+001	-2.635174e-001
405	1.231780e+005	7.707100e+001	7.728153e+001	-2.105342e-001
406	1.234780e+005	7.716300e+001	7.729053e+001	-1.275292e-001
407	1.237780e+005	7.713300e+001	7.729950e+001	-1.665022e-001
408	1.240780e+005	7.714600e+001	7.730845e+001	-1.624536e-001
409	1.243780e+005	7.721700e+001	7.731738e+001	-1.003833e-001
410	1.246780e+005	7.712300e+001	7.732629e+001	-2.032916e-001
411	1.249780e+005	7.707200e+001	7.733518e+001	-2.631784e-001
412	1.252780e+005	7.689900e+001	7.734404e+001	-4.450439e-001
413	1.255780e+005	7.704000e+001	7.735289e+001	-3.128882e-001
414	1.258780e+005	7.701100e+001	7.736171e+001	-3.507114e-001
415	1.261780e+005	7.724000e+001	7.737051e+001	-1.305136e-001
416	1.264780e+005	7.725700e+001	7.737929e+001	-1.222949e-001
417	1.267780e+005	7.712800e+001	7.738806e+001	-2.600554e-001
418	1.270780e+005	7.711100e+001	7.739680e+001	-2.857952e-001
419	1.273780e+005	7.707600e+001	7.740551e+001	-3.295143e-001
420	1.276780e+005	7.720300e+001	7.741421e+001	-2.112130e-001
421	1.279780e+005	7.701000e+001	7.742289e+001	-4.128913e-001
422	1.282780e+005	7.706000e+001	7.743155e+001	-3.715492e-001
423	1.285780e+005	7.721900e+001	7.744019e+001	-2.211869e-001
424	1.288780e+005	7.712000e+001	7.744880e+001	-3.288045e-001
425	1.291780e+005	7.704300e+001	7.745740e+001	-4.144020e-001
426	1.294780e+005	7.713200e+001	7.746598e+001	-3.339796e-001
427	1.297780e+005	7.703600e+001	7.747454e+001	-4.385374e-001
428	1.300780e+005	7.713800e+001	7.748308e+001	-3.450754e-001
429	1.303780e+005	7.706100e+001	7.749159e+001	-4.305937e-001
430	1.306780e+005	7.714200e+001	7.750009e+001	-3.580924e-001
431	1.309780e+005	7.709000e+001	7.750857e+001	-4.185717e-001
432	1.312780e+005	7.712100e+001	7.751703e+001	-3.960315e-001
433	1.315780e+005	7.706800e+001	7.752547e+001	-4.574721e-001
434	1.318780e+005	7.710000e+001	7.753389e+001	-4.338934e-001
435	1.321780e+005	7.696400e+001	7.754230e+001	-5.782956e-001
436	1.324780e+005	7.702800e+001	7.755068e+001	-5.226787e-001
437	1.327780e+005	7.715700e+001	7.755904e+001	-4.020429e-001

438	1.330780e+005	7.695500e+001	7.756739e+001	-6.123882e-001
439	1.333780e+005	7.697200e+001	7.757571e+001	-6.037147e-001
440	1.336780e+005	7.721000e+001	7.758402e+001	-3.740225e-001
441	1.339780e+005	7.686400e+001	7.759231e+001	-7.283117e-001
442	1.342780e+005	7.709900e+001	7.760058e+001	-5.015823e-001
443	1.345780e+005	7.679500e+001	7.760883e+001	-8.138345e-001
444	1.348780e+005	7.720300e+001	7.761707e+001	-4.140683e-001
445	1.351780e+005	7.695300e+001	7.762528e+001	-6.722838e-001
446	1.354780e+005	7.706100e+001	7.763348e+001	-5.724811e-001
447	1.357780e+005	7.716100e+001	7.764166e+001	-4.806602e-001
448	1.360780e+005	7.713500e+001	7.764982e+001	-5.148214e-001
449	1.363780e+005	7.699700e+001	7.765796e+001	-6.609645e-001
450	1.366780e+005	7.705000e+001	7.766609e+001	-6.160897e-001
451	1.369780e+005	7.695400e+001	7.767420e+001	-7.201972e-001
452	1.372780e+005	7.686200e+001	7.768229e+001	-8.202869e-001
453	1.375780e+005	7.692800e+001	7.769036e+001	-7.623589e-001
454	1.378780e+005	7.706700e+001	7.769841e+001	-6.314133e-001
455	1.381780e+005	7.685500e+001	7.770645e+001	-8.514503e-001
456	1.384780e+005	7.683800e+001	7.771447e+001	-8.764698e-001
457	1.387780e+005	7.687400e+001	7.772247e+001	-8.484720e-001
458	1.390780e+005	7.701000e+001	7.773046e+001	-7.204569e-001
459	1.393780e+005	7.693700e+001	7.773842e+001	-8.014245e-001
460	1.396780e+005	7.712700e+001	7.774638e+001	-6.193751e-001
461	1.399780e+005	7.695400e+001	7.775431e+001	-8.003086e-001
462	1.402780e+005	7.706600e+001	7.776223e+001	-6.962251e-001
463	1.405780e+005	7.701200e+001	7.777012e+001	-7.581247e-001
464	1.408780e+005	7.704200e+001	7.777801e+001	-7.360074e-001
465	1.411780e+005	7.723400e+001	7.778587e+001	-5.518734e-001
466	1.414780e+005	7.711000e+001	7.779372e+001	-6.837227e-001
467	1.417780e+005	7.697400e+001	7.780156e+001	-8.275553e-001
468	1.420780e+005	7.714000e+001	7.780937e+001	-6.693714e-001
469	1.423780e+005	7.719100e+001	7.781717e+001	-6.261710e-001
470	1.426780e+005	7.719600e+001	7.782495e+001	-6.289542e-001
471	1.429780e+005	7.716900e+001	7.783272e+001	-6.637211e-001
472	1.432780e+005	7.717300e+001	7.784047e+001	-6.674717e-001
473	1.435780e+005	7.724100e+001	7.784821e+001	-6.072060e-001
474	1.438780e+005	7.717400e+001	7.785592e+001	-6.819242e-001
475	1.441780e+005	7.718000e+001	7.786363e+001	-6.836264e-001
476	1.555780e+005	7.733100e+001	7.814502e+001	-8.140194e-001
477	1.561780e+005	7.739000e+001	7.815925e+001	-7.692526e-001
478	1.564780e+005	7.739300e+001	7.816635e+001	-7.733487e-001
479	1.567780e+005	7.724300e+001	7.817343e+001	-9.304313e-001
480	1.633780e+005	7.729900e+001	7.832591e+001	-1.026910e+000
481	1.636780e+005	7.730000e+001	7.833269e+001	-1.032694e+000
482	1.648780e+005	7.735900e+001	7.835971e+001	-1.000705e+000
483	1.651780e+005	7.737600e+001	7.836643e+001	-9.904272e-001
484	1.654780e+005	7.747900e+001	7.837314e+001	-8.941370e-001
485	1.705780e+005	7.733500e+001	7.848538e+001	-1.150380e+000
486	1.708780e+005	7.736800e+001	7.849188e+001	-1.123878e+000
487	1.711780e+005	7.736900e+001	7.849836e+001	-1.129364e+000
488	1.714780e+005	7.738200e+001	7.850484e+001	-1.122839e+000
489	1.732780e+005	7.740400e+001	7.854345e+001	-1.139451e+000
490	1.734600e+005	7.740400e+001	7.854733e+001	-1.143333e+000


Predicted Well Response
Drawdown (ft)
Time (sec)
10^1
10^2
10^3
10^4
10^5
10^6
Well #21
T=0.011728 sq ft per second
S=9.92E-10

WELL 21 P.OUT
AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Theis, 1935 (Confined)

Constant discharge from a fully penetrating well in a nonleaky aquifer

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Optimization Parameters

```
Convergence Criteria     0.000010
Maximum Iterations       100
Derivative Fraction      0.050000
Zero Derivative Value    0.000100
Derivative Type          Central
Lambda Value             0.001000
Initial esitmate calculated by straight line estimate.
```

Number of Points = 591   Optimized Match

ANALYSIS PARAMETERS

```
Radial Distance
     Fixed Value                 = 0.5 ft

Pumping Rate
     Fixed Value                 = 0.623775 cu ft/sec

Transmissivity
     Calculated Value            = 0.0117279 sq ft/sec
          Calculation Specifics:
               Initial Guess     = 0.0117279 sq ft/sec
               Enforced Minimum  = 0 sq ft/sec

Storage Coefficient
     Calculated Value            = 9.92332e-010
          Calculation Specifics:
               Initial Guess     = 9.92332e-010
               Enforced Minimum  = 0
```

ANALYSIS STATISTICS

```
Match Point:
             Type Curve: (1.000000e-001, 1.000000e-004)
             Data Curve: (5.288309e-010, 4.232509e-004)

Residual Mean           =  0.130658
Residual Standard Dev.  =  4.351673
Residual Sum of Squares =  11201.892238
Absolute Residual Mean  =  2.770753
Minimum Residual        = -54.939268
Maximum Residual        =  10.048477
```

DATA DETAIL

Index	Time (sec)	Obs. Drawdown (ft)	Calc. Drawdown (ft)	Residual
0	8.900000e+001	4.227800e+001	9.721727e+001	-5.493927e+001
1	3.890000e+002	6.354800e+001	1.034600e+002	-3.991198e+001
2	6.890000e+002	9.309700e+001	1.058795e+002	-1.278254e+001
3	9.890000e+002	9.869400e+001	1.074094e+002	-8.715394e+000
4	1.289000e+003	1.029930e+002	1.085307e+002	-5.537703e+000
5	1.589000e+003	1.062810e+002	1.094163e+002	-3.135305e+000
6	1.889000e+003	1.088720e+002	1.101483e+002	-1.276287e+000
7	2.189000e+003	1.109910e+002	1.107721e+002	2.188532e-001
8	2.489000e+003	1.127060e+002	1.113158e+002	1.390246e+000
9	2.789000e+003	1.141590e+002	1.117974e+002	2.361578e+000
10	3.089000e+003	1.153990e+002	1.122298e+002	3.169166e+000
11	3.389000e+003	1.166020e+002	1.126221e+002	3.979866e+000
12	3.689000e+003	1.175700e+002	1.129811e+002	4.588862e+000
13	3.989000e+003	1.184360e+002	1.133121e+002	5.123943e+000
14	4.289000e+003	1.192750e+002	1.136190e+002	5.656031e+000
15	4.589000e+003	1.201180e+002	1.139051e+002	6.212877e+000
16	4.889000e+003	1.207750e+002	1.141731e+002	6.601851e+000
17	5.189000e+003	1.215760e+002	1.144252e+002	7.150791e+000
18	5.489000e+003	1.222420e+002	1.146631e+002	7.578903e+000
19	5.789000e+003	1.229030e+002	1.148883e+002	8.014676e+000
20	6.089000e+003	1.236220e+002	1.151022e+002	8.519832e+000
21	6.389000e+003	1.242850e+002	1.153057e+002	8.979274e+000
22	6.689000e+003	1.249040e+002	1.154999e+002	9.404058e+000
23	6.989000e+003	1.256280e+002	1.156856e+002	9.942365e+000
24	7.289000e+003	1.259120e+002	1.158635e+002	1.004848e+001
25	7.589000e+003	1.259110e+002	1.160342e+002	9.876766e+000
26	7.889000e+003	1.259160e+002	1.161983e+002	9.717673e+000
27	8.189000e+003	1.259190e+002	1.163563e+002	9.562706e+000
28	8.489000e+003	1.259170e+002	1.165086e+002	9.408423e+000
29	8.789000e+003	1.259140e+002	1.166556e+002	9.258429e+000
30	9.089000e+003	1.259090e+002	1.167976e+002	9.111369e+000
31	9.389000e+003	1.259080e+002	1.169351e+002	8.972923e+000
32	9.689000e+003	1.259000e+002	1.170682e+002	8.831800e+000
33	9.989000e+003	1.259150e+002	1.171973e+002	8.717737e+000
34	1.028900e+004	1.259230e+002	1.173225e+002	8.600494e+000
35	1.058900e+004	1.259200e+002	1.174442e+002	8.475850e+000
36	1.088900e+004	1.258920e+002	1.175624e+002	8.329605e+000
37	1.118900e+004	1.259070e+002	1.176774e+002	8.229573e+000
38	1.148900e+004	1.259020e+002	1.177894e+002	8.112586e+000
39	1.178900e+004	1.259140e+002	1.178985e+002	8.015485e+000
40	1.208900e+004	1.259200e+002	1.180049e+002	7.915126e+000
41	1.238900e+004	1.259170e+002	1.181086e+002	7.808374e+000
42	1.268900e+004	1.259080e+002	1.182099e+002	7.698105e+000
43	1.298900e+004	1.259050e+002	1.183088e+002	7.596203e+000
44	1.328900e+004	1.259010e+002	1.184054e+002	7.495559e+000
45	1.358900e+004	1.258940e+002	1.184999e+002	7.394072e+000
46	1.388900e+004	1.258900e+002	1.185924e+002	7.297649e+000
47	1.418900e+004	1.259050e+002	1.186828e+002	7.222201e+000
48	1.448900e+004	1.258930e+002	1.187714e+002	7.121645e+000
49	1.478900e+004	1.258970e+002	1.188581e+002	7.038904e+000
50	1.508900e+004	1.259010e+002	1.189431e+002	6.957906e+000
51	1.538900e+004	1.259030e+002	1.190264e+002	6.876580e+000
52	1.568900e+004	1.258940e+002	1.191081e+002	6.785864e+000
53	1.598900e+004	1.259030e+002	1.191883e+002	6.714695e+000
54	1.628900e+004	1.259030e+002	1.192670e+002	6.636017e+000
55	1.658900e+004	1.259010e+002	1.193442e+002	6.556775e+000
56	1.688900e+004	1.259050e+002	1.194201e+002	6.484917e+000
57	1.718900e+004	1.258940e+002	1.194946e+002	6.399394e+000
58	1.748900e+004	1.258840e+002	1.195678e+002	6.316162e+000
59	1.778900e+004	1.258970e+002	1.196398e+002	6.257174e+000

60	1.808900e+004	1.258940e+002	1.197106e+002	6.183391e+000
61	1.838900e+004	1.258820e+002	1.197802e+002	6.101772e+000
62	1.868900e+004	1.259010e+002	1.198487e+002	6.052280e+000
63	1.898900e+004	1.258830e+002	1.199161e+002	5.966878e+000
64	1.928900e+004	1.258840e+002	1.199825e+002	5.901533e+000
65	1.958900e+004	1.258930e+002	1.200478e+002	5.845212e+000
66	1.988900e+004	1.258900e+002	1.201121e+002	5.777883e+000
67	2.018900e+004	1.258920e+002	1.201755e+002	5.716518e+000
68	2.048900e+004	1.258690e+002	1.202379e+002	5.631087e+000
69	2.078900e+004	1.258710e+002	1.202994e+002	5.571564e+000
70	2.108900e+004	1.258710e+002	1.203601e+002	5.510923e+000
71	2.138900e+004	1.258820e+002	1.204199e+002	5.462138e+000
72	2.168900e+004	1.258900e+002	1.204788e+002	5.411186e+000
73	2.198900e+004	1.258920e+002	1.205370e+002	5.355043e+000
74	2.228900e+004	1.259020e+002	1.205943e+002	5.307689e+000
75	2.258900e+004	1.259040e+002	1.206509e+002	5.253101e+000
76	2.288900e+004	1.259140e+002	1.207067e+002	5.207260e+000
77	2.318900e+004	1.259000e+002	1.207619e+002	5.138146e+000
78	2.348900e+004	1.258870e+002	1.208163e+002	5.070740e+000
79	2.378900e+004	1.259060e+002	1.208700e+002	5.036025e+000
80	2.408900e+004	1.258910e+002	1.209230e+002	4.967983e+000
81	2.438900e+004	1.258940e+002	1.209754e+002	4.918598e+000
82	2.468900e+004	1.258970e+002	1.210271e+002	4.869853e+000
83	2.498900e+004	1.258950e+002	1.210783e+002	4.816733e+000
84	2.528900e+004	1.258940e+002	1.211288e+002	4.765223e+000
85	2.558900e+004	1.258860e+002	1.211787e+002	4.707309e+000
86	2.588900e+004	1.258830e+002	1.212280e+002	4.654977e+000
87	2.618900e+004	1.258770e+002	1.212768e+002	4.600213e+000
88	2.648900e+004	1.258980e+002	1.213250e+002	4.573004e+000
89	2.678900e+004	1.258790e+002	1.213727e+002	4.506338e+000
90	2.708900e+004	1.258750e+002	1.214198e+002	4.455204e+000
91	2.738900e+004	1.258790e+002	1.214664e+002	4.412588e+000
92	2.768900e+004	1.258920e+002	1.215125e+002	4.379480e+000
93	2.798900e+004	1.258850e+002	1.215581e+002	4.326869e+000
94	2.828900e+004	1.258850e+002	1.216033e+002	4.281744e+000
95	2.858900e+004	1.258840e+002	1.216479e+002	4.236096e+000
96	2.888900e+004	1.258800e+002	1.216921e+002	4.187913e+000
97	2.918900e+004	1.258760e+002	1.217358e+002	4.140187e+000
98	2.948900e+004	1.258880e+002	1.217791e+002	4.108908e+000
99	2.978900e+004	1.258800e+002	1.218219e+002	4.058067e+000
100	3.008900e+004	1.258750e+002	1.218643e+002	4.010655e+000
101	3.038900e+004	1.258860e+002	1.219063e+002	3.979664e+000
102	3.068900e+004	1.258850e+002	1.219479e+002	3.937086e+000
103	3.098900e+004	1.258810e+002	1.219891e+002	3.891912e+000
104	3.128900e+004	1.258970e+002	1.220299e+002	3.867135e+000
105	3.158900e+004	1.258970e+002	1.220703e+002	3.826746e+000
106	3.188900e+004	1.258870e+002	1.221103e+002	3.776740e+000
107	3.218900e+004	1.258910e+002	1.221499e+002	3.741108e+000
108	3.248900e+004	1.258890e+002	1.221892e+002	3.699844e+000
109	3.278900e+004	1.258920e+002	1.222281e+002	3.663941e+000
110	3.308900e+004	1.258870e+002	1.222666e+002	3.620392e+000
111	3.338900e+004	1.258970e+002	1.223048e+002	3.592191e+000
112	3.368900e+004	1.259100e+002	1.223427e+002	3.567332e+000
113	3.398900e+004	1.259120e+002	1.223802e+002	3.531808e+000
114	3.428900e+004	1.258910e+002	1.224174e+002	3.473615e+000
115	3.458900e+004	1.258990e+002	1.224543e+002	3.444745e+000
116	3.488900e+004	1.258980e+002	1.224908e+002	3.407193e+000
117	3.518900e+004	1.259020e+002	1.225270e+002	3.374955e+000
118	3.548900e+004	1.258960e+002	1.225630e+002	3.333024e+000
119	3.578900e+004	1.259010e+002	1.225986e+002	3.302396e+000
120	3.608900e+004	1.258990e+002	1.226339e+002	3.265065e+000
121	3.638900e+004	1.258730e+002	1.226690e+002	3.204026e+000
122	3.668900e+004	1.259050e+002	1.227037e+002	3.201275e+000

123	3.698900e+004	1.258880e+002	1.227382e+002	3.149807e+000
124	3.728900e+004	1.258870e+002	1.227724e+002	3.114618e+000
125	3.758900e+004	1.258860e+002	1.228063e+002	3.079703e+000
126	3.788900e+004	1.259070e+002	1.228399e+002	3.067057e+000
127	3.818900e+004	1.259100e+002	1.228733e+002	3.036676e+000
128	3.848900e+004	1.258880e+002	1.229064e+002	2.981557e+000
129	3.878900e+004	1.258980e+002	1.229393e+002	2.958695e+000
130	3.908900e+004	1.259010e+002	1.229719e+002	2.929086e+000
131	3.938900e+004	1.259060e+002	1.230043e+002	2.901727e+000
132	3.968900e+004	1.259000e+002	1.230364e+002	2.863612e+000
133	3.998900e+004	1.259030e+002	1.230683e+002	2.834740e+000
134	4.028900e+004	1.259000e+002	1.230999e+002	2.800106e+000
135	4.058900e+004	1.258990e+002	1.231313e+002	2.767707e+000
136	4.088900e+004	1.259060e+002	1.231625e+002	2.743539e+000
137	4.118900e+004	1.258950e+002	1.231934e+002	2.701598e+000
138	4.148900e+004	1.258970e+002	1.232241e+002	2.672883e+000
139	4.178900e+004	1.258910e+002	1.232546e+002	2.636388e+000
140	4.208900e+004	1.258740e+002	1.232849e+002	2.589112e+000
141	4.238900e+004	1.258940e+002	1.233149e+002	2.579051e+000
142	4.268900e+004	1.259070e+002	1.233448e+002	2.562201e+000
143	4.298900e+004	1.258910e+002	1.233744e+002	2.516561e+000
144	4.328900e+004	1.258600e+002	1.234039e+002	2.456127e+000
145	4.358900e+004	1.258950e+002	1.234331e+002	2.461896e+000
146	4.388900e+004	1.258570e+002	1.234621e+002	2.394866e+000
147	4.418900e+004	1.259010e+002	1.234910e+002	2.410033e+000
148	4.448900e+004	1.258860e+002	1.235196e+002	2.366396e+000
149	4.478900e+004	1.259150e+002	1.235480e+002	2.366951e+000
150	4.508900e+004	1.258870e+002	1.235763e+002	2.310696e+000
151	4.538900e+004	1.258890e+002	1.236044e+002	2.284628e+000
152	4.568900e+004	1.258610e+002	1.236323e+002	2.228745e+000
153	4.598900e+004	1.258780e+002	1.236600e+002	2.218045e+000
154	4.628900e+004	1.258820e+002	1.236875e+002	2.194524e+000
155	4.658900e+004	1.258850e+002	1.237148e+002	2.170182e+000
156	4.688900e+004	1.258960e+002	1.237420e+002	2.154015e+000
157	4.718900e+004	1.258990e+002	1.237690e+002	2.130021e+000
158	4.748900e+004	1.258820e+002	1.237958e+002	2.086199e+000
159	4.778900e+004	1.259010e+002	1.238225e+002	2.078545e+000
160	4.808900e+004	1.259030e+002	1.238489e+002	2.054058e+000
161	4.838900e+004	1.259030e+002	1.238753e+002	2.027736e+000
162	4.868900e+004	1.259150e+002	1.239014e+002	2.013576e+000
163	4.898900e+004	1.259030e+002	1.239274e+002	1.975577e+000
164	4.928900e+004	1.259210e+002	1.239533e+002	1.967737e+000
165	4.958900e+004	1.259260e+002	1.239789e+002	1.947054e+000
166	4.988900e+004	1.259330e+002	1.240045e+002	1.928526e+000
167	5.018900e+004	1.259170e+002	1.240298e+002	1.887150e+000
168	5.048900e+004	1.259260e+002	1.240551e+002	1.870926e+000
169	5.078900e+004	1.259050e+002	1.240801e+002	1.824852e+000
170	5.108900e+004	1.258990e+002	1.241051e+002	1.793925e+000
171	5.138900e+004	1.259050e+002	1.241299e+002	1.775144e+000
172	5.168900e+004	1.259050e+002	1.241545e+002	1.750507e+000
173	5.198900e+004	1.259100e+002	1.241790e+002	1.731013e+000
174	5.228900e+004	1.259100e+002	1.242033e+002	1.706659e+000
175	5.258900e+004	1.258820e+002	1.242276e+002	1.654445e+000
176	5.288900e+004	1.259050e+002	1.242516e+002	1.653369e+000
177	5.318900e+004	1.259080e+002	1.242756e+002	1.632429e+000
178	5.348900e+004	1.258670e+002	1.242994e+002	1.567624e+000
179	5.378900e+004	1.259050e+002	1.243230e+002	1.581951e+000
180	5.408900e+004	1.259150e+002	1.243466e+002	1.568411e+000
181	5.438900e+004	1.258870e+002	1.243700e+002	1.517000e+000
182	5.468900e+004	1.258990e+002	1.243933e+002	1.505719e+000
183	5.498900e+004	1.259030e+002	1.244164e+002	1.486565e+000
184	5.528900e+004	1.258930e+002	1.244395e+002	1.453536e+000
185	5.558900e+004	1.258880e+002	1.244624e+002	1.425633e+000

186	5.588900e+004	1.258920e+002	1.244851e+002	1.406852e+000
187	5.618900e+004	1.258840e+002	1.245078e+002	1.376194e+000
188	5.648900e+004	1.258740e+002	1.245303e+002	1.343656e+000
189	5.678900e+004	1.258800e+002	1.245528e+002	1.327238e+000
190	5.708900e+004	1.258930e+002	1.245751e+002	1.317937e+000
191	5.738900e+004	1.258860e+002	1.245972e+002	1.288754e+000
192	5.768900e+004	1.259010e+002	1.246193e+002	1.281686e+000
193	5.798900e+004	1.258830e+002	1.246413e+002	1.241733e+000
194	5.828900e+004	1.258910e+002	1.246631e+002	1.227893e+000
195	5.858900e+004	1.258970e+002	1.246848e+002	1.212165e+000
196	5.888900e+004	1.258860e+002	1.247065e+002	1.179548e+000
197	5.918900e+004	1.258810e+002	1.247280e+002	1.153041e+000
198	5.948900e+004	1.258800e+002	1.247494e+002	1.130643e+000
199	5.978900e+004	1.258900e+002	1.247706e+002	1.119352e+000
200	6.008900e+004	1.258850e+002	1.247918e+002	1.093168e+000
201	6.038900e+004	1.258710e+002	1.248129e+002	1.058089e+000
202	6.068900e+004	1.259020e+002	1.248339e+002	1.068115e+000
203	6.098900e+004	1.258770e+002	1.248548e+002	1.022244e+000
204	6.128900e+004	1.258960e+002	1.248755e+002	1.020476e+000
205	6.158900e+004	1.258910e+002	1.248962e+002	9.948092e-001
206	6.188900e+004	1.259000e+002	1.249168e+002	9.832427e-001
207	6.218900e+004	1.258540e+002	1.249372e+002	9.167756e-001
208	6.248900e+004	1.258920e+002	1.249576e+002	9.344071e-001
209	6.278900e+004	1.258750e+002	1.249779e+002	8.971361e-001
210	6.308900e+004	1.258920e+002	1.249980e+002	8.939617e-001
211	6.338900e+004	1.259040e+002	1.250181e+002	8.858830e-001
212	6.368900e+004	1.259040e+002	1.250381e+002	8.658992e-001
213	6.398900e+004	1.258940e+002	1.250580e+002	8.360092e-001
214	6.428900e+004	1.258890e+002	1.250778e+002	8.112123e-001
215	6.458900e+004	1.258970e+002	1.250975e+002	7.995075e-001
216	6.488900e+004	1.258860e+002	1.251171e+002	7.688941e-001
217	6.518900e+004	1.258940e+002	1.251366e+002	7.573711e-001
218	6.548900e+004	1.258710e+002	1.251561e+002	7.149378e-001
219	6.578900e+004	1.258890e+002	1.251754e+002	7.135932e-001
220	6.608900e+004	1.258710e+002	1.251947e+002	6.763367e-001
221	6.638900e+004	1.258980e+002	1.252138e+002	6.841674e-001
222	6.668900e+004	1.258980e+002	1.252329e+002	6.650846e-001
223	6.698900e+004	1.258910e+002	1.252519e+002	6.390874e-001
224	6.728900e+004	1.258950e+002	1.252708e+002	6.241750e-001
225	6.758900e+004	1.258810e+002	1.252897e+002	5.913468e-001
226	6.788900e+004	1.258870e+002	1.253084e+002	5.786020e-001
227	6.818900e+004	1.258820e+002	1.253271e+002	5.549399e-001
228	6.848900e+004	1.258860e+002	1.253456e+002	5.403596e-001
229	6.878900e+004	1.258890e+002	1.253641e+002	5.248606e-001
230	6.908900e+004	1.258800e+002	1.253826e+002	4.974421e-001
231	6.938900e+004	1.258440e+002	1.254009e+002	4.431034e-001
232	6.968900e+004	1.259070e+002	1.254192e+002	4.878438e-001
233	6.998900e+004	1.258900e+002	1.254373e+002	4.526626e-001
234	7.028900e+004	1.258920e+002	1.254554e+002	4.365592e-001
235	7.058900e+004	1.258580e+002	1.254735e+002	3.845329e-001
236	7.088900e+004	1.259040e+002	1.254914e+002	4.125830e-001
237	7.118900e+004	1.259120e+002	1.255093e+002	4.027090e-001
238	7.148900e+004	1.259020e+002	1.255271e+002	3.749101e-001
239	7.178900e+004	1.258970e+002	1.255448e+002	3.521858e-001
240	7.208900e+004	1.259010e+002	1.255625e+002	3.385353e-001
241	7.238900e+004	1.258960e+002	1.255800e+002	3.159582e-001
242	7.268900e+004	1.258920e+002	1.255975e+002	2.944538e-001
243	7.298900e+004	1.258840e+002	1.256150e+002	2.690214e-001
244	7.328900e+004	1.259070e+002	1.256323e+002	2.746606e-001
245	7.358900e+004	1.258910e+002	1.256496e+002	2.413707e-001
246	7.388900e+004	1.259040e+002	1.256668e+002	2.371511e-001
247	7.418900e+004	1.258940e+002	1.256840e+002	2.100013e-001
248	7.448900e+004	1.259090e+002	1.257011e+002	2.079207e-001

249	7.478900e+004	1.258720e+002	1.257181e+002	1.539088e-001
250	7.508900e+004	1.259120e+002	1.257350e+002	1.769649e-001
251	7.538900e+004	1.258930e+002	1.257519e+002	1.410886e-001
252	7.568900e+004	1.259050e+002	1.257687e+002	1.362794e-001
253	7.598900e+004	1.258940e+002	1.257855e+002	1.085366e-001
254	7.628900e+004	1.259060e+002	1.258021e+002	1.038598e-001
255	7.658900e+004	1.258530e+002	1.258188e+002	3.424849e-002
256	7.688900e+004	1.259170e+002	1.258353e+002	8.170209e-002
257	7.718900e+004	1.258950e+002	1.258518e+002	4.322012e-002
258	7.748900e+004	1.258840e+002	1.258682e+002	1.580209e-002
259	7.778900e+004	1.258760e+002	1.258846e+002	-8.552499e-003
260	7.808900e+004	1.258990e+002	1.259008e+002	-1.844140e-003
261	7.838900e+004	1.258890e+002	1.259171e+002	-2.807331e-002
262	7.868900e+004	1.258840e+002	1.259332e+002	-4.924049e-002
263	7.898900e+004	1.259000e+002	1.259493e+002	-4.934615e-002
264	7.928900e+004	1.258670e+002	1.259654e+002	-9.839076e-002
265	7.958900e+004	1.258950e+002	1.259814e+002	-8.637477e-002
266	7.988900e+004	1.258870e+002	1.259973e+002	-1.102986e-001
267	8.018900e+004	1.258780e+002	1.260132e+002	-1.351628e-001
268	8.048900e+004	1.258930e+002	1.260290e+002	-1.359678e-001
269	8.078900e+004	1.258550e+002	1.260447e+002	-1.897139e-001
270	8.108900e+004	1.258490e+002	1.260604e+002	-2.114017e-001
271	8.138900e+004	1.258860e+002	1.260760e+002	-1.900316e-001
272	8.168900e+004	1.258710e+002	1.260916e+002	-2.206039e-001
273	8.198900e+004	1.259070e+002	1.261071e+002	-2.001192e-001
274	8.228900e+004	1.258930e+002	1.261226e+002	-2.295778e-001
275	8.258900e+004	1.258990e+002	1.261380e+002	-2.389802e-001
276	8.288900e+004	1.258930e+002	1.261533e+002	-2.603267e-001
277	8.318900e+004	1.258900e+002	1.261686e+002	-2.786177e-001
278	8.348900e+004	1.258950e+002	1.261839e+002	-2.888537e-001
279	8.378900e+004	1.258520e+002	1.261990e+002	-3.470351e-001
280	8.408900e+004	1.258930e+002	1.262142e+002	-3.211622e-001
281	8.438900e+004	1.258680e+002	1.262292e+002	-3.612354e-001
282	8.468900e+004	1.258860e+002	1.262443e+002	-3.582552e-001
283	8.498900e+004	1.258890e+002	1.262592e+002	-3.702218e-001
284	8.528900e+004	1.259060e+002	1.262741e+002	-3.681357e-001
285	8.558900e+004	1.259060e+002	1.262890e+002	-3.829972e-001
286	8.588900e+004	1.259020e+002	1.263038e+002	-4.018067e-001
287	8.618900e+004	1.258990e+002	1.263186e+002	-4.195646e-001
288	8.648900e+004	1.259210e+002	1.263333e+002	-4.122712e-001
289	8.678900e+004	1.259100e+002	1.263479e+002	-4.379269e-001
290	8.708900e+004	1.258990e+002	1.263625e+002	-4.635320e-001
291	8.738900e+004	1.259180e+002	1.263771e+002	-4.590869e-001
292	8.768900e+004	1.259090e+002	1.263916e+002	-4.825919e-001
293	8.798900e+004	1.258980e+002	1.264060e+002	-5.080474e-001
294	8.828900e+004	1.259130e+002	1.264205e+002	-5.074537e-001
295	8.858900e+004	1.258970e+002	1.264348e+002	-5.378111e-001
296	8.888900e+004	1.258970e+002	1.264491e+002	-5.521199e-001
297	8.918900e+004	1.258880e+002	1.264634e+002	-5.753806e-001
298	8.948900e+004	1.259160e+002	1.264776e+002	-5.615933e-001
299	8.978900e+004	1.259000e+002	1.264918e+002	-5.917585e-001
300	9.008900e+004	1.258960e+002	1.265059e+002	-6.098765e-001
301	9.038900e+004	1.259090e+002	1.265199e+002	-6.109475e-001
302	9.068900e+004	1.259140e+002	1.265340e+002	-6.199718e-001
303	9.098900e+004	1.259110e+002	1.265479e+002	-6.369499e-001
304	9.128900e+004	1.259030e+002	1.265619e+002	-6.588820e-001
305	9.158900e+004	1.259120e+002	1.265758e+002	-6.637683e-001
306	9.188900e+004	1.259040e+002	1.265896e+002	-6.856093e-001
307	9.218900e+004	1.258890e+002	1.266034e+002	-7.144051e-001
308	9.248900e+004	1.259000e+002	1.266172e+002	-7.171561e-001
309	9.278900e+004	1.259100e+002	1.266309e+002	-7.208626e-001
310	9.308900e+004	1.259050e+002	1.266445e+002	-7.395248e-001
311	9.338900e+004	1.258910e+002	1.266581e+002	-7.671430e-001

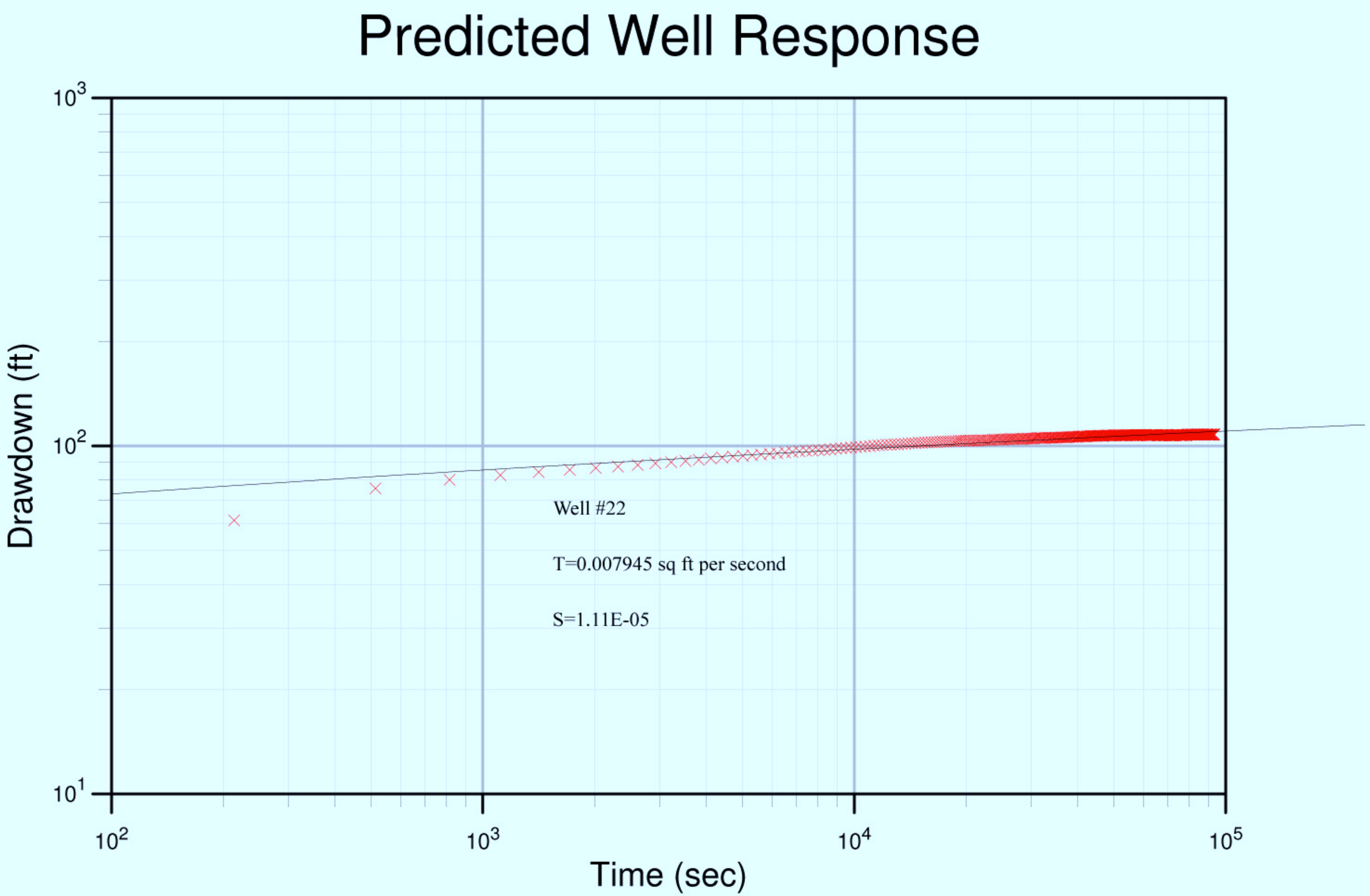
312	9.368900e+004	1.258910e+002	1.266717e+002	-7.807176e-001
313	9.398900e+004	1.258880e+002	1.266852e+002	-7.972488e-001
314	9.428900e+004	1.259090e+002	1.266987e+002	-7.897369e-001
315	9.458900e+004	1.258880e+002	1.267122e+002	-8.241821e-001
316	9.488900e+004	1.259070e+002	1.267256e+002	-8.185848e-001
317	9.518900e+004	1.259010e+002	1.267389e+002	-8.379451e-001
318	9.548900e+004	1.258510e+002	1.267523e+002	-9.012634e-001
319	9.578900e+004	1.258990e+002	1.267655e+002	-8.665400e-001
320	9.608900e+004	1.259030e+002	1.267788e+002	-8.757750e-001
321	9.638900e+004	1.258960e+002	1.267920e+002	-8.959687e-001
322	9.668900e+004	1.258810e+002	1.268051e+002	-9.241215e-001
323	9.698900e+004	1.258900e+002	1.268182e+002	-9.282335e-001
324	9.728900e+004	1.258940e+002	1.268313e+002	-9.373050e-001
325	9.758900e+004	1.259060e+002	1.268443e+002	-9.383363e-001
326	9.788900e+004	1.259020e+002	1.268573e+002	-9.553275e-001
327	9.818900e+004	1.258890e+002	1.268703e+002	-9.812790e-001
328	9.848900e+004	1.258990e+002	1.268832e+002	-9.841910e-001
329	9.878900e+004	1.258990e+002	1.268961e+002	-9.970638e-001
330	9.908900e+004	1.259050e+002	1.269089e+002	-1.003897e+000
331	9.938900e+004	1.258930e+002	1.269217e+002	-1.028692e+000
332	9.968900e+004	1.259090e+002	1.269344e+002	-1.025449e+000
333	9.998900e+004	1.259030e+002	1.269472e+002	-1.044167e+000
334	1.002890e+005	1.259000e+002	1.269598e+002	-1.059847e+000
335	1.005890e+005	1.258970e+002	1.269725e+002	-1.075489e+000
336	1.008890e+005	1.258900e+002	1.269851e+002	-1.095093e+000
337	1.011890e+005	1.258920e+002	1.269977e+002	-1.105660e+000
338	1.014890e+005	1.259180e+002	1.270102e+002	-1.092190e+000
339	1.017890e+005	1.258850e+002	1.270227e+002	-1.137683e+000
340	1.020890e+005	1.259020e+002	1.270351e+002	-1.133139e+000
341	1.023890e+005	1.258970e+002	1.270476e+002	-1.150558e+000
342	1.026890e+005	1.258940e+002	1.270599e+002	-1.165941e+000
343	1.029890e+005	1.258810e+002	1.270723e+002	-1.191288e+000
344	1.032890e+005	1.258870e+002	1.270846e+002	-1.197599e+000
345	1.035890e+005	1.258780e+002	1.270969e+002	-1.218875e+000
346	1.038890e+005	1.258820e+002	1.271091e+002	-1.227115e+000
347	1.041890e+005	1.258910e+002	1.271213e+002	-1.230319e+000
348	1.044890e+005	1.258930e+002	1.271335e+002	-1.240489e+000
349	1.047890e+005	1.258930e+002	1.271456e+002	-1.252623e+000
350	1.050890e+005	1.258870e+002	1.271577e+002	-1.270723e+000
351	1.053890e+005	1.258860e+002	1.271698e+002	-1.283789e+000
352	1.056890e+005	1.258830e+002	1.271818e+002	-1.298820e+000
353	1.059890e+005	1.258580e+002	1.271938e+002	-1.335817e+000
354	1.062890e+005	1.258630e+002	1.272058e+002	-1.342780e+000
355	1.065890e+005	1.258780e+002	1.272177e+002	-1.339709e+000
356	1.068890e+005	1.258900e+002	1.272296e+002	-1.339605e+000
357	1.071890e+005	1.258750e+002	1.272415e+002	-1.366468e+000
358	1.074890e+005	1.258740e+002	1.272533e+002	-1.379297e+000
359	1.077890e+005	1.258650e+002	1.272651e+002	-1.400093e+000
360	1.080890e+005	1.258640e+002	1.272769e+002	-1.412857e+000
361	1.083890e+005	1.258630e+002	1.272886e+002	-1.425588e+000
362	1.086890e+005	1.258600e+002	1.273003e+002	-1.440287e+000
363	1.089890e+005	1.258800e+002	1.273120e+002	-1.431953e+000
364	1.092890e+005	1.258700e+002	1.273236e+002	-1.453587e+000
365	1.095890e+005	1.258500e+002	1.273352e+002	-1.485190e+000
366	1.098890e+005	1.258880e+002	1.273468e+002	-1.458760e+000
367	1.101890e+005	1.258850e+002	1.273583e+002	-1.473299e+000
368	1.104890e+005	1.258870e+002	1.273698e+002	-1.482807e+000
369	1.107890e+005	1.258850e+002	1.273813e+002	-1.496284e+000
370	1.110890e+005	1.258730e+002	1.273927e+002	-1.519729e+000
371	1.113890e+005	1.258790e+002	1.274041e+002	-1.525144e+000
372	1.116890e+005	1.258640e+002	1.274155e+002	-1.551528e+000
373	1.119890e+005	1.258450e+002	1.274269e+002	-1.581881e+000
374	1.122890e+005	1.258750e+002	1.274382e+002	-1.563204e+000

375	1.125890e+005	1.258720e+002	1.274495e+002	-1.577497e+000
376	1.128890e+005	1.258570e+002	1.274608e+002	-1.603760e+000
377	1.131890e+005	1.258410e+002	1.274720e+002	-1.630993e+000
378	1.134890e+005	1.258880e+002	1.274832e+002	-1.595196e+000
379	1.137890e+005	1.258940e+002	1.274944e+002	-1.600369e+000
380	1.140890e+005	1.259090e+002	1.275055e+002	-1.596514e+000
381	1.143890e+005	1.258290e+002	1.275166e+002	-1.687629e+000
382	1.146890e+005	1.258710e+002	1.275277e+002	-1.656714e+000
383	1.149890e+005	1.258950e+002	1.275388e+002	-1.643771e+000
384	1.152890e+005	1.258830e+002	1.275498e+002	-1.666799e+000
385	1.155890e+005	1.258920e+002	1.275608e+002	-1.668798e+000
386	1.158890e+005	1.258830e+002	1.275718e+002	-1.688769e+000
387	1.161890e+005	1.258980e+002	1.275827e+002	-1.684712e+000
388	1.164890e+005	1.258850e+002	1.275936e+002	-1.708626e+000
389	1.167890e+005	1.259040e+002	1.276045e+002	-1.700512e+000
390	1.170890e+005	1.258820e+002	1.276154e+002	-1.733370e+000
391	1.173890e+005	1.258830e+002	1.276262e+002	-1.743201e+000
392	1.176890e+005	1.258590e+002	1.276370e+002	-1.778004e+000
393	1.179890e+005	1.258800e+002	1.276478e+002	-1.767779e+000
394	1.182890e+005	1.258680e+002	1.276585e+002	-1.790527e+000
395	1.185890e+005	1.259030e+002	1.276692e+002	-1.766248e+000
396	1.188890e+005	1.258770e+002	1.276799e+002	-1.802941e+000
397	1.191890e+005	1.258790e+002	1.276906e+002	-1.811608e+000
398	1.194890e+005	1.258920e+002	1.277012e+002	-1.809248e+000
399	1.197890e+005	1.258880e+002	1.277119e+002	-1.823861e+000
400	1.200890e+005	1.258500e+002	1.277224e+002	-1.872448e+000
401	1.203890e+005	1.258700e+002	1.277330e+002	-1.863008e+000
402	1.206890e+005	1.258750e+002	1.277435e+002	-1.868542e+000
403	1.209890e+005	1.258510e+002	1.277540e+002	-1.903050e+000
404	1.212890e+005	1.258690e+002	1.277645e+002	-1.895532e+000
405	1.215890e+005	1.258690e+002	1.277750e+002	-1.905988e+000
406	1.218890e+005	1.258640e+002	1.277854e+002	-1.921418e+000
407	1.221890e+005	1.258790e+002	1.277958e+002	-1.916822e+000
408	1.224890e+005	1.258870e+002	1.278062e+002	-1.919201e+000
409	1.227890e+005	1.258610e+002	1.278166e+002	-1.955555e+000
410	1.230890e+005	1.258850e+002	1.278269e+002	-1.941883e+000
411	1.233890e+005	1.258850e+002	1.278372e+002	-1.952186e+000
412	1.236890e+005	1.258790e+002	1.278475e+002	-1.968464e+000
413	1.239890e+005	1.258790e+002	1.278577e+002	-1.978718e+000
414	1.242890e+005	1.258350e+002	1.278679e+002	-2.032946e+000
415	1.245890e+005	1.258560e+002	1.278781e+002	-2.022150e+000
416	1.248890e+005	1.259000e+002	1.278883e+002	-1.988329e+000
417	1.251890e+005	1.258940e+002	1.278985e+002	-2.004484e+000
418	1.254890e+005	1.258980e+002	1.279086e+002	-2.010615e+000
419	1.257890e+005	1.258580e+002	1.279187e+002	-2.060721e+000
420	1.260890e+005	1.258910e+002	1.279288e+002	-2.037803e+000
421	1.263890e+005	1.258880e+002	1.279389e+002	-2.050862e+000
422	1.266890e+005	1.258980e+002	1.279489e+002	-2.050896e+000
423	1.269890e+005	1.258870e+002	1.279589e+002	-2.071907e+000
424	1.272890e+005	1.259080e+002	1.279689e+002	-2.060894e+000
425	1.275890e+005	1.259090e+002	1.279789e+002	-2.069858e+000
426	1.278890e+005	1.259060e+002	1.279888e+002	-2.082798e+000
427	1.281890e+005	1.259070e+002	1.279987e+002	-2.091715e+000
428	1.284890e+005	1.258500e+002	1.280086e+002	-2.158608e+000
429	1.287890e+005	1.258690e+002	1.280185e+002	-2.149479e+000
430	1.290890e+005	1.259060e+002	1.280283e+002	-2.122327e+000
431	1.293890e+005	1.259220e+002	1.280382e+002	-2.116152e+000
432	1.296890e+005	1.259000e+002	1.280480e+002	-2.147954e+000
433	1.299890e+005	1.258870e+002	1.280577e+002	-2.170733e+000
434	1.302890e+005	1.259020e+002	1.280675e+002	-2.165490e+000
435	1.305890e+005	1.258880e+002	1.280772e+002	-2.189225e+000
436	1.308890e+005	1.259070e+002	1.280869e+002	-2.179937e+000
437	1.311890e+005	1.258960e+002	1.280966e+002	-2.200627e+000

438	1.314890e+005	1.259060e+002	1.281063e+002	-2.200294e+000
439	1.317890e+005	1.259010e+002	1.281159e+002	-2.214940e+000
440	1.320890e+005	1.259040e+002	1.281256e+002	-2.221564e+000
441	1.323890e+005	1.258540e+002	1.281352e+002	-2.281166e+000
442	1.326890e+005	1.258990e+002	1.281447e+002	-2.245746e+000
443	1.329890e+005	1.259040e+002	1.281543e+002	-2.250305e+000
444	1.332890e+005	1.258830e+002	1.281638e+002	-2.280842e+000
445	1.335890e+005	1.259140e+002	1.281734e+002	-2.259357e+000
446	1.338890e+005	1.259140e+002	1.281829e+002	-2.268852e+000
447	1.341890e+005	1.259040e+002	1.281923e+002	-2.288325e+000
448	1.344890e+005	1.259080e+002	1.282018e+002	-2.293776e+000
449	1.347890e+005	1.259060e+002	1.282112e+002	-2.305207e+000
450	1.350890e+005	1.259200e+002	1.282206e+002	-2.300617e+000
451	1.353890e+005	1.259050e+002	1.282300e+002	-2.325006e+000
452	1.356890e+005	1.258990e+002	1.282394e+002	-2.340374e+000
453	1.359890e+005	1.259220e+002	1.282487e+002	-2.326722e+000
454	1.362890e+005	1.258920e+002	1.282580e+002	-2.366049e+000
455	1.365890e+005	1.258770e+002	1.282674e+002	-2.390355e+000
456	1.368890e+005	1.259230e+002	1.282766e+002	-2.353641e+000
457	1.371890e+005	1.259180e+002	1.282859e+002	-2.367906e+000
458	1.374890e+005	1.259200e+002	1.282952e+002	-2.375152e+000
459	1.377890e+005	1.259230e+002	1.283044e+002	-2.381377e+000
460	1.380890e+005	1.259110e+002	1.283136e+002	-2.402582e+000
461	1.383890e+005	1.259170e+002	1.283228e+002	-2.405767e+000
462	1.386890e+005	1.259050e+002	1.283319e+002	-2.426933e+000
463	1.389890e+005	1.259190e+002	1.283411e+002	-2.422078e+000
464	1.392890e+005	1.259090e+002	1.283502e+002	-2.441204e+000
465	1.395890e+005	1.259100e+002	1.283593e+002	-2.449310e+000
466	1.398890e+005	1.259030e+002	1.283684e+002	-2.465397e+000
467	1.401890e+005	1.259020e+002	1.283775e+002	-2.475464e+000
468	1.404890e+005	1.258970e+002	1.283865e+002	-2.489512e+000
469	1.407890e+005	1.259010e+002	1.283955e+002	-2.494540e+000
470	1.410890e+005	1.258940e+002	1.284045e+002	-2.510549e+000
471	1.413890e+005	1.258900e+002	1.284135e+002	-2.523540e+000
472	1.416890e+005	1.258850e+002	1.284225e+002	-2.537511e+000
473	1.419890e+005	1.258900e+002	1.284315e+002	-2.541463e+000
474	1.422890e+005	1.258980e+002	1.284404e+002	-2.542396e+000
475	1.425890e+005	1.259060e+002	1.284493e+002	-2.543310e+000
476	1.428890e+005	1.258930e+002	1.284582e+002	-2.565206e+000
477	1.431890e+005	1.258810e+002	1.284671e+002	-2.586083e+000
478	1.434890e+005	1.258650e+002	1.284759e+002	-2.610941e+000
479	1.437890e+005	1.258890e+002	1.284848e+002	-2.595781e+000
480	1.440890e+005	1.258470e+002	1.284936e+002	-2.646603e+000
481	1.443890e+005	1.258890e+002	1.285024e+002	-2.613406e+000
482	1.446890e+005	1.259050e+002	1.285112e+002	-2.606191e+000
483	1.449890e+005	1.258850e+002	1.285200e+002	-2.634957e+000
484	1.452890e+005	1.258980e+002	1.285287e+002	-2.630706e+000
485	1.455890e+005	1.258910e+002	1.285374e+002	-2.646436e+000
486	1.458890e+005	1.259060e+002	1.285461e+002	-2.640149e+000
487	1.461890e+005	1.258910e+002	1.285548e+002	-2.663843e+000
488	1.464890e+005	1.258960e+002	1.285635e+002	-2.667520e+000
489	1.467890e+005	1.259010e+002	1.285722e+002	-2.671179e+000
490	1.470890e+005	1.259160e+002	1.285808e+002	-2.664821e+000
491	1.473890e+005	1.259130e+002	1.285894e+002	-2.676444e+000
492	1.476890e+005	1.258820e+002	1.285981e+002	-2.716050e+000
493	1.479890e+005	1.258900e+002	1.286066e+002	-2.716639e+000
494	1.482890e+005	1.258670e+002	1.286152e+002	-2.748211e+000
495	1.485890e+005	1.258690e+002	1.286238e+002	-2.754765e+000
496	1.488890e+005	1.258490e+002	1.286323e+002	-2.783301e+000
497	1.491890e+005	1.258780e+002	1.286408e+002	-2.762821e+000
498	1.494890e+005	1.258780e+002	1.286493e+002	-2.771324e+000
499	1.497890e+005	1.258840e+002	1.286578e+002	-2.773809e+000
500	1.500890e+005	1.258790e+002	1.286663e+002	-2.787277e+000

501	1.503890e+005	1.258620e+002	1.286747e+002	-2.812729e+000
502	1.506890e+005	1.258500e+002	1.286832e+002	-2.833164e+000
503	1.509890e+005	1.259140e+002	1.286916e+002	-2.777582e+000
504	1.512890e+005	1.258950e+002	1.287000e+002	-2.804983e+000
505	1.515890e+005	1.258880e+002	1.287084e+002	-2.820367e+000
506	1.518890e+005	1.259120e+002	1.287167e+002	-2.804735e+000
507	1.521890e+005	1.258980e+002	1.287251e+002	-2.827087e+000
508	1.524890e+005	1.258840e+002	1.287334e+002	-2.849422e+000
509	1.527890e+005	1.258800e+002	1.287417e+002	-2.861741e+000
510	1.530890e+005	1.258790e+002	1.287500e+002	-2.871043e+000
511	1.533890e+005	1.258850e+002	1.287583e+002	-2.873329e+000
512	1.536890e+005	1.258760e+002	1.287666e+002	-2.890599e+000
513	1.539890e+005	1.258710e+002	1.287749e+002	-2.903853e+000
514	1.542890e+005	1.258630e+002	1.287831e+002	-2.920091e+000
515	1.545890e+005	1.258790e+002	1.287913e+002	-2.912312e+000
516	1.548890e+005	1.258930e+002	1.287995e+002	-2.906518e+000
517	1.551890e+005	1.258880e+002	1.288077e+002	-2.919708e+000
518	1.554890e+005	1.258950e+002	1.288159e+002	-2.920882e+000
519	1.557890e+005	1.258780e+002	1.288240e+002	-2.946040e+000
520	1.560890e+005	1.258870e+002	1.288322e+002	-2.945183e+000
521	1.563890e+005	1.258910e+002	1.288403e+002	-2.949310e+000
522	1.566890e+005	1.258980e+002	1.288484e+002	-2.950421e+000
523	1.569890e+005	1.258820e+002	1.288565e+002	-2.974517e+000
524	1.572890e+005	1.259000e+002	1.288646e+002	-2.964598e+000
525	1.575890e+005	1.258960e+002	1.288727e+002	-2.976663e+000
526	1.578890e+005	1.258950e+002	1.288807e+002	-2.985712e+000
527	1.581890e+005	1.258810e+002	1.288887e+002	-3.007747e+000
528	1.584890e+005	1.258950e+002	1.288968e+002	-3.001766e+000
529	1.587890e+005	1.259060e+002	1.289048e+002	-2.998770e+000
530	1.590890e+005	1.259020e+002	1.289128e+002	-3.010759e+000
531	1.593890e+005	1.258910e+002	1.289207e+002	-3.029733e+000
532	1.596890e+005	1.258950e+002	1.289287e+002	-3.033692e+000
533	1.599890e+005	1.258590e+002	1.289366e+002	-3.077636e+000
534	1.602890e+005	1.258990e+002	1.289446e+002	-3.045565e+000
535	1.605890e+005	1.258860e+002	1.289525e+002	-3.066479e+000
536	1.608890e+005	1.258720e+002	1.289604e+002	-3.088379e+000
537	1.611890e+005	1.258980e+002	1.289683e+002	-3.070263e+000
538	1.614890e+005	1.259050e+002	1.289761e+002	-3.071133e+000
539	1.617890e+005	1.259270e+002	1.289840e+002	-3.056989e+000
540	1.620890e+005	1.259010e+002	1.289918e+002	-3.090830e+000
541	1.623890e+005	1.258940e+002	1.289997e+002	-3.105656e+000
542	1.626890e+005	1.258950e+002	1.290075e+002	-3.112468e+000
543	1.629890e+005	1.259130e+002	1.290153e+002	-3.102266e+000
544	1.632890e+005	1.259000e+002	1.290230e+002	-3.123049e+000
545	1.635890e+005	1.259130e+002	1.290308e+002	-3.117818e+000
546	1.638890e+005	1.259050e+002	1.290386e+002	-3.133573e+000
547	1.641890e+005	1.259100e+002	1.290463e+002	-3.136313e+000
548	1.644890e+005	1.258970e+002	1.290540e+002	-3.157040e+000
549	1.647890e+005	1.258970e+002	1.290618e+002	-3.164752e+000
550	1.650890e+005	1.258970e+002	1.290695e+002	-3.172450e+000
551	1.653890e+005	1.258760e+002	1.290771e+002	-3.201135e+000
552	1.656890e+005	1.258880e+002	1.290848e+002	-3.196805e+000
553	1.659890e+005	1.258980e+002	1.290925e+002	-3.194462e+000
554	1.662890e+005	1.258930e+002	1.291001e+002	-3.207104e+000
555	1.665890e+005	1.258900e+002	1.291077e+002	-3.217733e+000
556	1.668890e+005	1.258800e+002	1.291153e+002	-3.235349e+000
557	1.671890e+005	1.259080e+002	1.291230e+002	-3.214950e+000
558	1.674890e+005	1.259100e+002	1.291305e+002	-3.220538e+000
559	1.677890e+005	1.259010e+002	1.291381e+002	-3.237112e+000
560	1.680890e+005	1.258890e+002	1.291457e+002	-3.256673e+000
561	1.683890e+005	1.259040e+002	1.291532e+002	-3.249220e+000
562	1.686890e+005	1.258820e+002	1.291608e+002	-3.278754e+000
563	1.689890e+005	1.259030e+002	1.291683e+002	-3.265275e+000

564	1.692890e+005	1.258840e+002	1.291758e+002	-3.291782e+000
565	1.695890e+005	1.259040e+002	1.291833e+002	-3.279276e+000
566	1.698890e+005	1.259090e+002	1.291908e+002	-3.281756e+000
567	1.701890e+005	1.259090e+002	1.291982e+002	-3.289224e+000
568	1.704890e+005	1.258740e+002	1.292057e+002	-3.331678e+000
569	1.707890e+005	1.259140e+002	1.292131e+002	-3.299119e+000
570	1.710890e+005	1.258900e+002	1.292205e+002	-3.330547e+000
571	1.713890e+005	1.259180e+002	1.292280e+002	-3.309963e+000
572	1.716890e+005	1.259100e+002	1.292354e+002	-3.325365e+000
573	1.719890e+005	1.259240e+002	1.292428e+002	-3.318754e+000
574	1.722890e+005	1.259150e+002	1.292501e+002	-3.335130e+000
575	1.725890e+005	1.259160e+002	1.292575e+002	-3.341494e+000
576	1.728890e+005	1.259290e+002	1.292648e+002	-3.335844e+000
577	1.731890e+005	1.259170e+002	1.292722e+002	-3.355182e+000
578	1.734890e+005	1.259140e+002	1.292795e+002	-3.365508e+000
579	1.737890e+005	1.259230e+002	1.292868e+002	-3.363820e+000
580	1.740890e+005	1.259210e+002	1.292941e+002	-3.373120e+000
581	1.743890e+005	1.259040e+002	1.293014e+002	-3.397408e+000
582	1.746890e+005	1.259150e+002	1.293087e+002	-3.393683e+000
583	1.749890e+005	1.259080e+002	1.293159e+002	-3.407945e+000
584	1.752890e+005	1.259070e+002	1.293232e+002	-3.416195e+000
585	1.755890e+005	1.259120e+002	1.293304e+002	-3.418432e+000
586	1.758890e+005	1.258640e+002	1.293377e+002	-3.473658e+000
587	1.761890e+005	1.259070e+002	1.293449e+002	-3.437871e+000
588	1.764890e+005	1.259110e+002	1.293521e+002	-3.441071e+000
589	1.767890e+005	1.259060e+002	1.293593e+002	-3.453260e+000
590	1.770890e+005	1.258630e+002	1.293664e+002	-3.503436e+000


Predicted Well Response
Drawdown (ft)
Time (sec)
10^3
10^2
10^1
10^2
10^3
10^4
10^5
Well #22
T=0.007945 sq ft per second
S=1.11E-05

AQUIFERWIN32 ANALYSIS SUMMARY FILE

Selected Analysis: Theis, 1935 (Confined)

Constant discharge from a fully penetrating well in a nonleaky aquifer

ANALYSIS SUMMARY

Simple Analysis - No Wells Defined

Optimization Parameters

```
Convergence Criteria     0.000010
Maximum Iterations       100
Derivative Fraction      0.050000
Zero Derivative Value    0.000100
Derivative Type          Central
Lambda Value             0.001000
Initial esitmate calculated by straight line estimate.
```

Number of Points = 312   Optimized Match

ANALYSIS PARAMETERS

```
Radial Distance
     Fixed Value                 = 0.5 ft

Pumping Rate
     Fixed Value                 = 0.543575 cu ft/sec

Transmissivity
     Calculated Value            = 0.00794471 sq ft/sec
          Calculation Specifics:
               Initial Guess     = 0.00793579 sq ft/sec
               Enforced Minimum  = 0 sq ft/sec

Storage Coefficient
     Calculated Value            = 1.11122e-005
          Calculation Specifics:
               Initial Guess     = 1.11204e-005
               Enforced Minimum  = 0
```

ANALYSIS STATISTICS

```
Match Point:
             Type Curve: (1.000000e-001, 1.000000e-004)
             Data Curve: (8.741859e-006, 5.444671e-004)

Residual Mean           = -0.000001
Residual Standard Dev.  =  1.680077
Residual Sum of Squares =  880.669699
Absolute Residual Mean  =  1.279555
Minimum Residual        = -15.840574
Maximum Residual        =  2.239813
```

DATA DETAIL

Index	Time (sec)	Obs. Drawdown (ft)	Calc. Drawdown (ft)	Residual
0	2.140000e+002	6.111200e+001	7.695257e+001	-1.584057e+001
1	5.140000e+002	7.559800e+001	8.172345e+001	-6.125450e+000
2	8.140000e+002	7.998000e+001	8.422657e+001	-4.246567e+000
3	1.114000e+003	8.241700e+001	8.593484e+001	-3.517843e+000
4	1.414000e+003	8.411400e+001	8.723321e+001	-3.119209e+000
5	1.714000e+003	8.539900e+001	8.828080e+001	-2.881803e+000
6	2.014000e+003	8.649400e+001	8.915899e+001	-2.664990e+000
7	2.314000e+003	8.726200e+001	8.991501e+001	-2.653009e+000
8	2.614000e+003	8.827900e+001	9.057874e+001	-2.299736e+000
9	2.914000e+003	8.913100e+001	9.117027e+001	-2.039272e+000
10	3.214000e+003	8.985500e+001	9.170379e+001	-1.848793e+000
11	3.514000e+003	9.051100e+001	9.218967e+001	-1.678669e+000
12	3.814000e+003	9.131600e+001	9.263572e+001	-1.319715e+000
13	4.114000e+003	9.205300e+001	9.304797e+001	-9.949707e-001
14	4.414000e+003	9.263500e+001	9.343120e+001	-7.961967e-001
15	4.714000e+003	9.321800e+001	9.378921e+001	-5.712137e-001
16	5.014000e+003	9.365900e+001	9.412513e+001	-4.661346e-001
17	5.314000e+003	9.418300e+001	9.444153e+001	-2.585290e-001
18	5.614000e+003	9.459900e+001	9.474054e+001	-1.415429e-001
19	5.914000e+003	9.502600e+001	9.502399e+001	2.013349e-003
20	6.214000e+003	9.535200e+001	9.529340e+001	5.859804e-002
21	6.514000e+003	9.580000e+001	9.555011e+001	2.498878e-001
22	6.814000e+003	9.609300e+001	9.579526e+001	2.977382e-001
23	7.114000e+003	9.657400e+001	9.602985e+001	5.441527e-001
24	7.414000e+003	9.691300e+001	9.625474e+001	6.582582e-001
25	7.714000e+003	9.710900e+001	9.647071e+001	6.382858e-001
26	8.014000e+003	9.730800e+001	9.667845e+001	6.295544e-001
27	8.314000e+003	9.756600e+001	9.687854e+001	6.874583e-001
28	8.614000e+003	9.787300e+001	9.707154e+001	8.014559e-001
29	8.914000e+003	9.820600e+001	9.725794e+001	9.480615e-001
30	9.214000e+003	9.849400e+001	9.743816e+001	1.055837e+000
31	9.514000e+003	9.875800e+001	9.761261e+001	1.145388e+000
32	9.814000e+003	9.907800e+001	9.778164e+001	1.296356e+000
33	1.011400e+004	9.931300e+001	9.794559e+001	1.367413e+000
34	1.041400e+004	9.944000e+001	9.810474e+001	1.335263e+000
35	1.071400e+004	9.977500e+001	9.825937e+001	1.515633e+000
36	1.101400e+004	9.994900e+001	9.840973e+001	1.539273e+000
37	1.131400e+004	1.002450e+002	9.855605e+001	1.688955e+000
38	1.161400e+004	1.005250e+002	9.869853e+001	1.826466e+000
39	1.191400e+004	1.006840e+002	9.883739e+001	1.846611e+000
40	1.221400e+004	1.009710e+002	9.897279e+001	1.998209e+000
41	1.251400e+004	1.010210e+002	9.910491e+001	1.916093e+000
42	1.281400e+004	1.011300e+002	9.923389e+001	1.896108e+000
43	1.311400e+004	1.010670e+002	9.935989e+001	1.707107e+000
44	1.341400e+004	1.012850e+002	9.948304e+001	1.801956e+000
45	1.371400e+004	1.014160e+002	9.960347e+001	1.812529e+000
46	1.401400e+004	1.017280e+002	9.972129e+001	2.006709e+000
47	1.431400e+004	1.018760e+002	9.983662e+001	2.039384e+000
48	1.461400e+004	1.020020e+002	9.994955e+001	2.052451e+000
49	1.491400e+004	1.023000e+002	1.000602e+002	2.239813e+000
50	1.521400e+004	1.023180e+002	1.001686e+002	2.149379e+000
51	1.551400e+004	1.023370e+002	1.002749e+002	2.062062e+000
52	1.581400e+004	1.024350e+002	1.003792e+002	2.055781e+000
53	1.611400e+004	1.026030e+002	1.004815e+002	2.121461e+000
54	1.641400e+004	1.026130e+002	1.005820e+002	2.031027e+000
55	1.671400e+004	1.027620e+002	1.006806e+002	2.081413e+000
56	1.701400e+004	1.028300e+002	1.007774e+002	2.052553e+000
57	1.731400e+004	1.030070e+002	1.008726e+002	2.134386e+000
58	1.761400e+004	1.030520e+002	1.009661e+002	2.085854e+000
59	1.791400e+004	1.029740e+002	1.010581e+002	1.915902e+000

60	1.821400e+004	1.032020e+002	1.011485e+002	2.053477e+000
61	1.851400e+004	1.032690e+002	1.012375e+002	2.031529e+000
62	1.881400e+004	1.034190e+002	1.013250e+002	2.094011e+000
63	1.911400e+004	1.036120e+002	1.014111e+002	2.200878e+000
64	1.941400e+004	1.036830e+002	1.014959e+002	2.187086e+000
65	1.971400e+004	1.037110e+002	1.015794e+002	2.131594e+000
66	2.001400e+004	1.037260e+002	1.016616e+002	2.064363e+000
67	2.031400e+004	1.035270e+002	1.017426e+002	1.784356e+000
68	2.061400e+004	1.036270e+002	1.018225e+002	1.804536e+000
69	2.091400e+004	1.035330e+002	1.019011e+002	1.631870e+000
70	2.121400e+004	1.037030e+002	1.019787e+002	1.724324e+000
71	2.151400e+004	1.037210e+002	1.020551e+002	1.665867e+000
72	2.181400e+004	1.038250e+002	1.021305e+002	1.694469e+000
73	2.211400e+004	1.039600e+002	1.022049e+002	1.755100e+000
74	2.241400e+004	1.038670e+002	1.022783e+002	1.588734e+000
75	2.271400e+004	1.038630e+002	1.023507e+002	1.512343e+000
76	2.301400e+004	1.039810e+002	1.024221e+002	1.558902e+000
77	2.331400e+004	1.040530e+002	1.024926e+002	1.560387e+000
78	2.361400e+004	1.043220e+002	1.025622e+002	1.759773e+000
79	2.391400e+004	1.045180e+002	1.026310e+002	1.887037e+000
80	2.421400e+004	1.043340e+002	1.026988e+002	1.635159e+000
81	2.451400e+004	1.045170e+002	1.027659e+002	1.751117e+000
82	2.481400e+004	1.044920e+002	1.028321e+002	1.659890e+000
83	2.511400e+004	1.043430e+002	1.028975e+002	1.445459e+000
84	2.541400e+004	1.044190e+002	1.029622e+002	1.456805e+000
85	2.571400e+004	1.046290e+002	1.030261e+002	1.602909e+000
86	2.601400e+004	1.045520e+002	1.030892e+002	1.462755e+000
87	2.631400e+004	1.047180e+002	1.031517e+002	1.566325e+000
88	2.661400e+004	1.047700e+002	1.032134e+002	1.556603e+000
89	2.691400e+004	1.048280e+002	1.032744e+002	1.553572e+000
90	2.721400e+004	1.048170e+002	1.033348e+002	1.482219e+000
91	2.751400e+004	1.047900e+002	1.033945e+002	1.395526e+000
92	2.781400e+004	1.047820e+002	1.034535e+002	1.328482e+000
93	2.811400e+004	1.047830e+002	1.035119e+002	1.271070e+000
94	2.841400e+004	1.049450e+002	1.035697e+002	1.375279e+000
95	2.871400e+004	1.049190e+002	1.036269e+002	1.292094e+000
96	2.901400e+004	1.049780e+002	1.036835e+002	1.294504e+000
97	2.931400e+004	1.051160e+002	1.037395e+002	1.376496e+000
98	2.961400e+004	1.050580e+002	1.037949e+002	1.263059e+000
99	2.991400e+004	1.049260e+002	1.038498e+002	1.076180e+000
100	3.021400e+004	1.050940e+002	1.039042e+002	1.189848e+000
101	3.051400e+004	1.051950e+002	1.039579e+002	1.237054e+000
102	3.081400e+004	1.053760e+002	1.040112e+002	1.364786e+000
103	3.111400e+004	1.054680e+002	1.040640e+002	1.404034e+000
104	3.141400e+004	1.055980e+002	1.041162e+002	1.481788e+000
105	3.171400e+004	1.055580e+002	1.041680e+002	1.390039e+000
106	3.201400e+004	1.054450e+002	1.042192e+002	1.225777e+000
107	3.231400e+004	1.053690e+002	1.042700e+002	1.098993e+000
108	3.261400e+004	1.055120e+002	1.043203e+002	1.191678e+000
109	3.291400e+004	1.055670e+002	1.043702e+002	1.196824e+000
110	3.321400e+004	1.055220e+002	1.044196e+002	1.102423e+000
111	3.351400e+004	1.055030e+002	1.044685e+002	1.034465e+000
112	3.381400e+004	1.055250e+002	1.045171e+002	1.007944e+000
113	3.411400e+004	1.055230e+002	1.045651e+002	9.578520e-001
114	3.441400e+004	1.056160e+002	1.046128e+002	1.003181e+000
115	3.471400e+004	1.056230e+002	1.046601e+002	9.629231e-001
116	3.501400e+004	1.057790e+002	1.047069e+002	1.072072e+000
117	3.531400e+004	1.057820e+002	1.047534e+002	1.028621e+000
118	3.561400e+004	1.058100e+002	1.047994e+002	1.010563e+000
119	3.591400e+004	1.058230e+002	1.048451e+002	9.778907e-001
120	3.621400e+004	1.059050e+002	1.048904e+002	1.014599e+000
121	3.651400e+004	1.059910e+002	1.049353e+002	1.055680e+000
122	3.681400e+004	1.058740e+002	1.049799e+002	8.941295e-001

123	3.711400e+004	1.058600e+002	1.050241e+002	8.359403e-001
124	3.741400e+004	1.060920e+002	1.050679e+002	1.024107e+000
125	3.771400e+004	1.061430e+002	1.051114e+002	1.031623e+000
126	3.801400e+004	1.062550e+002	1.051545e+002	1.100485e+000
127	3.831400e+004	1.062470e+002	1.051973e+002	1.049685e+000
128	3.861400e+004	1.063160e+002	1.052398e+002	1.076219e+000
129	3.891400e+004	1.063010e+002	1.052819e+002	1.019082e+000
130	3.921400e+004	1.063400e+002	1.053237e+002	1.016268e+000
131	3.951400e+004	1.060860e+002	1.053652e+002	7.207730e-001
132	3.981400e+004	1.061920e+002	1.054064e+002	7.855919e-001
133	4.011400e+004	1.062500e+002	1.054473e+002	8.027199e-001
134	4.041400e+004	1.064530e+002	1.054878e+002	9.651524e-001
135	4.071400e+004	1.065010e+002	1.055281e+002	9.728849e-001
136	4.101400e+004	1.066380e+002	1.055681e+002	1.069913e+000
137	4.131400e+004	1.065640e+002	1.056078e+002	9.562326e-001
138	4.161400e+004	1.065610e+002	1.056472e+002	9.138392e-001
139	4.191400e+004	1.065510e+002	1.056863e+002	8.647288e-001
140	4.221400e+004	1.066160e+002	1.057251e+002	8.908973e-001
141	4.251400e+004	1.066920e+002	1.057637e+002	9.283408e-001
142	4.281400e+004	1.068050e+002	1.058019e+002	1.003055e+000
143	4.311400e+004	1.069330e+002	1.058400e+002	1.093037e+000
144	4.341400e+004	1.069990e+002	1.058777e+002	1.121283e+000
145	4.371400e+004	1.069850e+002	1.059152e+002	1.069788e+000
146	4.401400e+004	1.069620e+002	1.059524e+002	1.009550e+000
147	4.431400e+004	1.069450e+002	1.059894e+002	9.555654e-001
148	4.461400e+004	1.068880e+002	1.060262e+002	8.618299e-001
149	4.491400e+004	1.068390e+002	1.060627e+002	7.763406e-001
150	4.521400e+004	1.069700e+002	1.060989e+002	8.710942e-001
151	4.551400e+004	1.070630e+002	1.061349e+002	9.280875e-001
152	4.581400e+004	1.071160e+002	1.061707e+002	9.453174e-001
153	4.611400e+004	1.070140e+002	1.062062e+002	8.077808e-001
154	4.641400e+004	1.069730e+002	1.062415e+002	7.314745e-001
155	4.671400e+004	1.069260e+002	1.062766e+002	6.493958e-001
156	4.701400e+004	1.070570e+002	1.063115e+002	7.455416e-001
157	4.731400e+004	1.071780e+002	1.063461e+002	8.319091e-001
158	4.761400e+004	1.073130e+002	1.063805e+002	9.324955e-001
159	4.791400e+004	1.073140e+002	1.064147e+002	8.992981e-001
160	4.821400e+004	1.073580e+002	1.064487e+002	9.093141e-001
161	4.851400e+004	1.072760e+002	1.064825e+002	7.935409e-001
162	4.881400e+004	1.072390e+002	1.065160e+002	7.229759e-001
163	4.911400e+004	1.071090e+002	1.065494e+002	5.596166e-001
164	4.941400e+004	1.070550e+002	1.065825e+002	4.724604e-001
165	4.971400e+004	1.073740e+002	1.066155e+002	7.585049e-001
166	5.001400e+004	1.073280e+002	1.066483e+002	6.797477e-001
167	5.031400e+004	1.072710e+002	1.066808e+002	5.901864e-001
168	5.061400e+004	1.075010e+002	1.067132e+002	7.878186e-001
169	5.091400e+004	1.074510e+002	1.067454e+002	7.056422e-001
170	5.121400e+004	1.074220e+002	1.067773e+002	6.446547e-001
171	5.151400e+004	1.073920e+002	1.068091e+002	5.828541e-001
172	5.181400e+004	1.072610e+002	1.068408e+002	4.202382e-001
173	5.211400e+004	1.073740e+002	1.068722e+002	5.018048e-001
174	5.241400e+004	1.073320e+002	1.069034e+002	4.285518e-001
175	5.271400e+004	1.073250e+002	1.069345e+002	3.904772e-001
176	5.301400e+004	1.073900e+002	1.069654e+002	4.245789e-001
177	5.331400e+004	1.073930e+002	1.069961e+002	3.968550e-001
178	5.361400e+004	1.072970e+002	1.070267e+002	2.703035e-001
179	5.391400e+004	1.071860e+002	1.070571e+002	1.289225e-001
180	5.421400e+004	1.071910e+002	1.070873e+002	1.037101e-001
181	5.451400e+004	1.073340e+002	1.071173e+002	2.166644e-001
182	5.481400e+004	1.075040e+002	1.071472e+002	3.567835e-001
183	5.511400e+004	1.074620e+002	1.071769e+002	2.850658e-001
184	5.541400e+004	1.074520e+002	1.072065e+002	2.455094e-001
185	5.571400e+004	1.074070e+002	1.072359e+002	1.711126e-001

186	5.601400e+004	1.074470e+002	1.072651e+002	1.818736e-001
187	5.631400e+004	1.072910e+002	1.072942e+002	-3.209147e-003
188	5.661400e+004	1.074590e+002	1.073231e+002	1.358626e-001
189	5.691400e+004	1.074290e+002	1.073519e+002	7.708723e-002
190	5.721400e+004	1.075000e+002	1.073805e+002	1.194631e-001
191	5.751400e+004	1.074870e+002	1.074090e+002	7.798875e-002
192	5.781400e+004	1.075910e+002	1.074373e+002	1.536625e-001
193	5.811400e+004	1.076210e+002	1.074655e+002	1.554829e-001
194	5.841400e+004	1.076580e+002	1.074936e+002	1.644483e-001
195	5.871400e+004	1.074240e+002	1.075214e+002	-9.744262e-002
196	5.901400e+004	1.074610e+002	1.075492e+002	-8.819141e-002
197	5.931400e+004	1.075840e+002	1.075768e+002	7.200507e-003
198	5.961400e+004	1.074850e+002	1.076043e+002	-1.192683e-001
199	5.991400e+004	1.076180e+002	1.076316e+002	-1.359920e-002
200	6.021400e+004	1.075930e+002	1.076588e+002	-6.579361e-002
201	6.051400e+004	1.076750e+002	1.076859e+002	-1.085285e-002
202	6.081400e+004	1.075170e+002	1.077128e+002	-1.957783e-001
203	6.111400e+004	1.074990e+002	1.077396e+002	-2.405712e-001
204	6.141400e+004	1.072290e+002	1.077662e+002	-5.372330e-001
205	6.171400e+004	1.072830e+002	1.077928e+002	-5.097648e-001
206	6.201400e+004	1.073620e+002	1.078192e+002	-4.571679e-001
207	6.231400e+004	1.073170e+002	1.078454e+002	-5.284436e-001
208	6.261400e+004	1.072970e+002	1.078716e+002	-5.745932e-001
209	6.291400e+004	1.075350e+002	1.078976e+002	-3.626177e-001
210	6.321400e+004	1.075810e+002	1.079235e+002	-3.425185e-001
211	6.351400e+004	1.074170e+002	1.079493e+002	-5.322966e-001
212	6.381400e+004	1.075170e+002	1.079750e+002	-4.579532e-001
213	6.411400e+004	1.076430e+002	1.080005e+002	-3.574895e-001
214	6.441400e+004	1.075400e+002	1.080259e+002	-4.859066e-001
215	6.471400e+004	1.076940e+002	1.080512e+002	-3.572056e-001
216	6.501400e+004	1.076410e+002	1.080764e+002	-4.353876e-001
217	6.531400e+004	1.076010e+002	1.081015e+002	-5.004536e-001
218	6.561400e+004	1.074190e+002	1.081264e+002	-7.074048e-001
219	6.591400e+004	1.074560e+002	1.081512e+002	-6.952422e-001
220	6.621400e+004	1.072250e+002	1.081760e+002	-9.509667e-001
221	6.651400e+004	1.073400e+002	1.082006e+002	-8.605795e-001
222	6.681400e+004	1.075550e+002	1.082251e+002	-6.700816e-001
223	6.711400e+004	1.075330e+002	1.082495e+002	-7.164738e-001
224	6.741400e+004	1.075910e+002	1.082738e+002	-6.827573e-001
225	6.771400e+004	1.075340e+002	1.082979e+002	-7.639330e-001
226	6.801400e+004	1.073610e+002	1.083220e+002	-9.610018e-001
227	6.831400e+004	1.073330e+002	1.083460e+002	-1.012965e+000
228	6.861400e+004	1.072680e+002	1.083698e+002	-1.101822e+000
229	6.891400e+004	1.072370e+002	1.083936e+002	-1.156576e+000
230	6.921400e+004	1.074350e+002	1.084172e+002	-9.822268e-001
231	6.951400e+004	1.074350e+002	1.084408e+002	-1.005775e+000
232	6.981400e+004	1.075310e+002	1.084642e+002	-9.332220e-001
233	7.011400e+004	1.074330e+002	1.084876e+002	-1.054568e+000
234	7.041400e+004	1.074860e+002	1.085108e+002	-1.024815e+000
235	7.071400e+004	1.072670e+002	1.085340e+002	-1.266963e+000
236	7.101400e+004	1.073490e+002	1.085570e+002	-1.208013e+000
237	7.131400e+004	1.072920e+002	1.085800e+002	-1.287965e+000
238	7.161400e+004	1.072490e+002	1.086028e+002	-1.353822e+000
239	7.191400e+004	1.072070e+002	1.086256e+002	-1.418582e+000
240	7.221400e+004	1.072300e+002	1.086482e+002	-1.418248e+000
241	7.251400e+004	1.073760e+002	1.086708e+002	-1.294820e+000
242	7.281400e+004	1.073980e+002	1.086933e+002	-1.295299e+000
243	7.311400e+004	1.072840e+002	1.087157e+002	-1.431686e+000
244	7.341400e+004	1.075210e+002	1.087380e+002	-1.216981e+000
245	7.371400e+004	1.076870e+002	1.087602e+002	-1.073184e+000
246	7.401400e+004	1.076710e+002	1.087823e+002	-1.111298e+000
247	7.431400e+004	1.075400e+002	1.088043e+002	-1.264322e+000
248	7.461400e+004	1.076730e+002	1.088263e+002	-1.153258e+000

249	7.491400e+004	1.075700e+002	1.088481e+002	-1.278105e+000
250	7.521400e+004	1.074510e+002	1.088699e+002	-1.418865e+000
251	7.551400e+004	1.073080e+002	1.088915e+002	-1.583539e+000
252	7.581400e+004	1.073860e+002	1.089131e+002	-1.527126e+000
253	7.611400e+004	1.073880e+002	1.089346e+002	-1.546629e+000
254	7.641400e+004	1.074910e+002	1.089560e+002	-1.465046e+000
255	7.671400e+004	1.075770e+002	1.089774e+002	-1.400380e+000
256	7.701400e+004	1.076280e+002	1.089986e+002	-1.370631e+000
257	7.731400e+004	1.077030e+002	1.090198e+002	-1.316799e+000
258	7.761400e+004	1.075670e+002	1.090409e+002	-1.473885e+000
259	7.791400e+004	1.073970e+002	1.090619e+002	-1.664889e+000
260	7.821400e+004	1.074780e+002	1.090828e+002	-1.604813e+000
261	7.851400e+004	1.076250e+002	1.091037e+002	-1.478657e+000
262	7.881400e+004	1.077420e+002	1.091244e+002	-1.382421e+000
263	7.911400e+004	1.078400e+002	1.091451e+002	-1.305107e+000
264	7.941400e+004	1.078520e+002	1.091657e+002	-1.313714e+000
265	7.971400e+004	1.079080e+002	1.091862e+002	-1.278243e+000
266	8.001400e+004	1.078030e+002	1.092067e+002	-1.403696e+000
267	8.031400e+004	1.077080e+002	1.092271e+002	-1.519071e+000
268	8.061400e+004	1.079660e+002	1.092474e+002	-1.281371e+000
269	8.091400e+004	1.079140e+002	1.092676e+002	-1.353596e+000
270	8.121400e+004	1.078950e+002	1.092877e+002	-1.392745e+000
271	8.151400e+004	1.079220e+002	1.093078e+002	-1.385820e+000
272	8.181400e+004	1.079540e+002	1.093278e+002	-1.373822e+000
273	8.211400e+004	1.079820e+002	1.093478e+002	-1.365750e+000
274	8.241400e+004	1.077820e+002	1.093676e+002	-1.585606e+000
275	8.271400e+004	1.077710e+002	1.093874e+002	-1.616389e+000
276	8.301400e+004	1.078760e+002	1.094071e+002	-1.531101e+000
277	8.331400e+004	1.078760e+002	1.094267e+002	-1.550742e+000
278	8.361400e+004	1.079470e+002	1.094463e+002	-1.499312e+000
279	8.391400e+004	1.080760e+002	1.094658e+002	-1.389812e+000
280	8.421400e+004	1.080240e+002	1.094852e+002	-1.461243e+000
281	8.451400e+004	1.079920e+002	1.095046e+002	-1.512604e+000
282	8.481400e+004	1.078430e+002	1.095239e+002	-1.680897e+000
283	8.511400e+004	1.078760e+002	1.095431e+002	-1.667121e+000
284	8.541400e+004	1.079060e+002	1.095623e+002	-1.656278e+000
285	8.571400e+004	1.079520e+002	1.095814e+002	-1.629368e+000
286	8.601400e+004	1.080230e+002	1.096004e+002	-1.577391e+000
287	8.631400e+004	1.081300e+002	1.096193e+002	-1.489348e+000
288	8.661400e+004	1.079060e+002	1.096382e+002	-1.732239e+000
289	8.691400e+004	1.078440e+002	1.096571e+002	-1.813065e+000
290	8.721400e+004	1.077090e+002	1.096758e+002	-1.966826e+000
291	8.751400e+004	1.077670e+002	1.096945e+002	-1.927523e+000
292	8.781400e+004	1.077680e+002	1.097132e+002	-1.945155e+000
293	8.811400e+004	1.079440e+002	1.097317e+002	-1.787724e+000
294	8.841400e+004	1.078150e+002	1.097502e+002	-1.935230e+000
295	8.871400e+004	1.080020e+002	1.097687e+002	-1.766673e+000
296	8.901400e+004	1.080050e+002	1.097871e+002	-1.782054e+000
297	8.931400e+004	1.078220e+002	1.098054e+002	-1.983373e+000
298	8.961400e+004	1.077340e+002	1.098236e+002	-2.089631e+000
299	8.991400e+004	1.076570e+002	1.098418e+002	-2.184828e+000
300	9.021400e+004	1.077020e+002	1.098600e+002	-2.157964e+000
301	9.051400e+004	1.078300e+002	1.098780e+002	-2.048039e+000
302	9.081400e+004	1.076700e+002	1.098961e+002	-2.226055e+000
303	9.111400e+004	1.078270e+002	1.099140e+002	-2.087012e+000
304	9.141400e+004	1.078820e+002	1.099319e+002	-2.049910e+000
305	9.171400e+004	1.078710e+002	1.099497e+002	-2.078748e+000
306	9.201400e+004	1.076380e+002	1.099675e+002	-2.329529e+000
307	9.231400e+004	1.078470e+002	1.099853e+002	-2.138252e+000
308	9.261400e+004	1.078640e+002	1.100029e+002	-2.138917e+000
309	9.291400e+004	1.078880e+002	1.100205e+002	-2.132525e+000
310	9.321400e+004	1.080000e+002	1.100381e+002	-2.038077e+000
311	9.336000e+004	1.079200e+002	1.100466e+002	-2.126598e+000

Appendix E
Model Input and Output Files

```
# Ground Water Modeling For Colorado City/Hildale
# July 2015 Sunrise Engineering, Inc.
NO OPTION
INTERNAL             1  (30I2)         3  IBIUND Layer  1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0
 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 1 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 1 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
CONSTANT             1   IBOUND LAYER 2
    999.99  HNOFLO
CONSTANT          5000.   INITIAL HEAD OF LAYER 1
CONSTANT          4900.   INITIAL HEAD OF LAYER 2
```

```
         0     99.99         0         0.         0         0
 1 0
CONSTANT          1.                                      ANISOTROPY FACTOR LAYER 1
CONSTANT        0.25                                      SPECIFIC YIELD FOR LAYER 1
CONSTANT         32.                                      HYDRAULIC CONDUCTIVITY FOR
LAYER 1
CONSTANT   1.000E-08                                      VERTICAL HYDRAULIC
CONDUCTIVITY
CONSTANT     1.0E-05                                      STORAGE COEFFICIENT FOR
LAYER 2
CONSTANT       1100.                                      TRANSMISSIVITY FOR LAYER 2
```

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#dis
         2         31         30          6          4          1
 1 0            LayCBD
CONSTANT        500.     DELR
CONSTANT        500.     DELC
INTERNAL      1.0     (10F8.2)          3     TOP ELEVATION OF LAYER 1
 5017.31 5019.20 5021.09 5022.98 5024.87 5026.76 5028.65 5030.54 5032.43 5034.32
 5036.21 5038.10 5039.99 5041.88 5043.77 5045.65 5047.54 5049.43 5051.32 5053.21
 5055.10 5056.99 5058.88 5060.77 5062.66 5064.55 5066.44 5068.33 5070.22 5072.11
 5010.23 5012.11 5014.00 5015.89 5017.78 5019.67 5021.56 5023.45 5025.34 5027.23
 5029.12 5031.01 5032.90 5034.79 5036.68 5038.57 5040.46 5042.35 5044.24 5046.13
 5048.02 5049.91 5051.79 5053.68 5055.57 5057.46 5059.35 5061.24 5063.13 5065.02
 5003.14 5005.03 5006.92 5008.81 5010.70 5012.59 5014.48 5016.37 5018.25 5020.14
 5022.03 5023.92 5025.81 5027.70 5029.59 5031.48 5033.37 5035.26 5037.15 5039.04
 5040.93 5042.82 5044.71 5046.60 5048.49 5050.38 5052.27 5054.16 5056.05 5057.94
 4996.05 4997.94 4999.83 5001.72 5003.61 5005.50 5007.39 5009.28 5011.17 5013.06
 5014.95 5016.84 5018.73 5020.62 5022.51 5024.40 5026.28 5028.17 5030.06 5031.95
 5033.84 5035.73 5037.62 5039.51 5041.40 5043.29 5045.18 5047.07 5048.96 5050.85
 4988.97 4990.86 4992.74 4994.63 4996.52 4998.41 5000.30 5002.19 5004.08 5005.97
 5007.86 5009.75 5011.64 5013.53 5015.42 5017.31 5019.20 5021.09 5022.98 5024.87
 5026.76 5028.65 5030.54 5032.42 5034.31 5036.20 5038.09 5039.98 5041.87 5043.76
 4981.88 4983.77 4985.66 4987.55 4989.44 4991.33 4993.22 4995.11 4997.00 4998.88
 5000.77 5002.66 5004.55 5006.44 5008.33 5010.22 5012.11 5014.00 5015.89 5017.78
 5019.67 5021.56 5023.45 5025.34 5027.23 5029.12 5031.01 5032.90 5034.79 5036.68
 4974.79 4976.68 4978.57 4980.46 4982.35 4984.24 4986.13 4988.02 4989.91 4991.80
 4993.69 4995.58 4997.47 4999.36 5001.25 5003.14 5005.03 5006.91 5008.80 5010.69
 5012.58 5014.47 5016.36 5018.25 5020.14 5022.03 5023.92 5025.81 5027.70 5029.59
 4967.71 4969.60 4971.49 4973.37 4975.26 4977.15 4979.04 4980.93 4982.82 4984.71
 4986.60 4988.49 4990.38 4992.27 4994.16 4996.05 4997.94 4999.83 5001.72 5003.61
 5005.50 5007.39 5009.28 5011.17 5013.05 5014.94 5016.83 5018.72 5020.61 5022.50
 4960.62 4962.51 4964.40 4966.29 4968.18 4970.07 4971.96 4973.85 4975.74 4977.63
 4979.51 4981.40 4983.29 4985.18 4987.07 4988.96 4990.85 4992.74 4994.63 4996.52
 4998.41 5000.30 5002.19 5004.08 5005.97 5007.86 5009.75 5011.64 5013.53 5015.42
 4953.53 4955.42 4957.31 4959.20 4961.09 4962.98 4964.87 4966.76 4968.65 4970.54
 4972.43 4974.32 4976.21 4978.10 4979.99 4981.88 4983.77 4985.66 4987.54 4989.43
 4991.32 4993.21 4995.10 4996.99 4998.88 5000.77 5002.66 5004.55 5006.44 5008.33
 4946.45 4948.34 4950.23 4952.12 4954.00 4955.89 4957.78 4959.67 4961.56 4963.45
 4965.34 4967.23 4969.12 4971.01 4972.90 4974.79 4976.68 4978.57 4980.46 4982.35
 4984.24 4986.13 4988.02 4989.91 4991.80 4993.68 4995.57 4997.46 4999.35 5001.24
 4939.36 4941.25 4943.14 4945.03 4946.92 4948.81 4950.70 4952.59 4954.48 4956.37
 4958.26 4960.14 4962.03 4963.92 4965.81 4967.70 4969.59 4971.48 4973.37 4975.26
 4977.15 4979.04 4980.93 4982.82 4984.71 4986.60 4988.49 4990.38 4992.27 4994.16
 4932.27 4934.16 4936.05 4937.94 4939.83 4941.72 4943.61 4945.50 4947.39 4949.28
 4951.17 4953.06 4954.95 4956.84 4958.73 4960.62 4962.51 4964.40 4966.29 4968.17
 4970.06 4971.95 4973.84 4975.73 4977.62 4979.51 4981.40 4983.29 4985.18 4987.07
 4925.19 4927.08 4928.97 4930.86 4932.75 4934.63 4936.52 4938.41 4940.30 4942.19
 4944.08 4945.97 4947.86 4949.75 4951.64 4953.53 4955.42 4957.31 4959.20 4961.09
 4962.98 4964.87 4966.76 4968.65 4970.54 4972.43 4974.31 4976.20 4978.09 4979.98
 4918.10 4919.99 4921.88 4923.77 4925.66 4927.55 4929.44 4931.33 4933.22 4935.11
 4937.00 4938.89 4940.77 4942.66 4944.55 4946.44 4948.33 4950.22 4952.11 4954.00
 4955.89 4957.78 4959.67 4961.56 4963.45 4965.34 4967.23 4969.12 4971.01 4972.90
 4911.01 4912.90 4914.79 4916.68 4918.57 4920.46 4922.35 4924.24 4926.13 4928.02
 4929.91 4931.80 4933.69 4935.58 4937.47 4939.36 4941.25 4943.14 4945.03 4946.92
 4948.80 4950.69 4952.58 4954.47 4956.36 4958.25 4960.14 4962.03 4963.92 4965.81
 4903.93 4905.82 4907.71 4909.60 4911.49 4913.38 4915.26 4917.15 4919.04 4920.93
 4922.82 4924.71 4926.60 4928.49 4930.38 4932.27 4934.16 4936.05 4937.94 4939.83
 4941.72 4943.61 4945.50 4947.39 4949.28 4951.17 4953.06 4954.94 4956.83 4958.72
 4896.84 4898.73 4900.62 4902.51 4904.40 4906.29 4908.18 4910.07 4911.96 4913.85
 4915.74 4917.63 4919.52 4921.40 4923.29 4925.18 4927.07 4928.96 4930.85 4932.74
 4934.63 4936.52 4938.41 4940.30 4942.19 4944.08 4945.97 4947.86 4949.75 4951.64
 4889.75 4891.64 4893.53 4895.42 4897.31 4899.20 4901.09 4902.98 4904.87 4906.76
 4908.65 4910.54 4912.43 4914.32 4916.21 4918.10 4919.99 4921.88 4923.77 4925.66
 4927.54 4929.43 4931.32 4933.21 4935.10 4936.99 4938.88 4940.77 4942.66 4944.55
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 4882.67 4884.56 4886.45 4888.34 4890.23 4892.12 4894.01 4895.89 4897.78 4899.67
 4901.56 4903.45 4905.34 4907.23 4909.12 4911.01 4912.90 4914.79 4916.68 4918.57
 4920.46 4922.35 4924.24 4926.13 4928.02 4929.91 4931.80 4933.69 4935.57 4937.46
 4875.58 4877.47 4879.36 4881.25 4883.14 4885.03 4886.92 4888.81 4890.70 4892.59
 4894.48 4896.37 4898.26 4900.15 4902.03 4903.92 4905.81 4907.70 4909.59 4911.48
 4913.37 4915.26 4917.15 4919.04 4920.93 4922.82 4924.71 4926.60 4928.49 4930.38
 4868.49 4870.38 4872.27 4874.16 4876.05 4877.94 4879.83 4881.72 4883.61 4885.50
 4887.39 4889.28 4891.17 4893.06 4894.95 4896.84 4898.73 4900.62 4902.51 4904.40
 4906.29 4908.17 4910.06 4911.95 4913.84 4915.73 4917.62 4919.51 4921.40 4923.29
 4861.41 4863.30 4865.19 4867.08 4868.97 4870.86 4872.75 4874.63 4876.52 4878.41
 4880.30 4882.19 4884.08 4885.97 4887.86 4889.75 4891.64 4893.53 4895.42 4897.31
 4899.20 4901.09 4902.98 4904.87 4906.76 4908.65 4910.54 4912.43 4914.32 4916.20
 4854.32 4856.21 4858.10 4859.99 4861.88 4863.77 4865.66 4867.55 4869.44 4871.33
 4873.22 4875.11 4877.00 4878.89 4880.78 4882.66 4884.55 4886.44 4888.33 4890.22
 4892.11 4894.00 4895.89 4897.78 4899.67 4901.56 4903.45 4905.34 4907.23 4909.12
 4847.24 4849.12 4851.01 4852.90 4854.79 4856.68 4858.57 4860.46 4862.35 4864.24
 4866.13 4868.02 4869.91 4871.80 4873.69 4875.58 4877.47 4879.36 4881.25 4883.14
 4885.03 4886.92 4888.80 4890.69 4892.58 4894.47 4896.36 4898.25 4900.14 4902.03
 4840.15 4842.04 4843.93 4845.82 4847.71 4849.60 4851.49 4853.38 4855.26 4857.15
 4859.04 4860.93 4862.82 4864.71 4866.60 4868.49 4870.38 4872.27 4874.16 4876.05
 4877.94 4879.83 4881.72 4883.61 4885.50 4887.39 4889.28 4891.17 4893.06 4894.95
 4834.06 4835.95 4837.84 4839.73 4841.62 4843.51 4845.40 4847.29 4849.18 4851.07
 4852.96 4854.85 4856.74 4858.63 4860.52 4862.41 4864.29 4866.18 4868.07 4869.96
 4871.85 4873.74 4875.63 4877.52 4879.41 4881.30 4883.19 4885.08 4886.97 4888.86
 4827.98 4829.87 4831.75 4833.64 4835.53 4837.42 4839.31 4841.20 4843.09 4844.98
 4846.87 4848.76 4850.65 4852.54 4854.43 4856.32 4858.21 4860.10 4861.99 4863.88
 4865.77 4867.66 4869.55 4871.43 4873.32 4875.21 4877.10 4878.99 4880.88 4882.77
 4821.89 4823.78 4825.67 4827.56 4829.45 4831.34 4833.23 4835.12 4837.01 4838.89
 4840.78 4842.67 4844.56 4846.45 4848.34 4850.23 4852.12 4854.01 4855.90 4857.79
 4859.68 4861.57 4863.46 4865.35 4867.24 4869.13 4871.02 4872.91 4874.80 4876.69
 4815.80 4817.69 4819.58 4821.47 4823.36 4825.25 4827.14 4829.03 4830.92 4832.81
 4834.70 4836.59 4838.48 4840.37 4842.26 4844.15 4846.04 4847.92 4849.81 4851.70
 4853.59 4855.48 4857.37 4859.26 4861.15 4863.04 4864.93 4866.82 4868.71 4870.60
 4809.72 4811.61 4813.50 4815.38 4817.27 4819.16 4821.05 4822.94 4824.83 4826.72
 4828.61 4830.50 4832.39 4834.28 4836.17 4838.06 4839.95 4841.84 4843.73 4845.62
 4847.51 4849.40 4851.29 4853.18 4855.06 4856.95 4858.84 4860.73 4862.62 4864.51
INTERNAL       1.0     (10F8.2)          3    BOTTOM ELEVATION OF LAYER 1
 4937.31 4939.20 4941.09 4942.98 4944.87 4946.76 4948.65 4950.54 4952.43 4954.32
 4956.21 4958.10 4959.99 4961.88 4963.77 4965.65 4967.54 4969.43 4971.32 4973.21
 4975.10 4976.99 4978.88 4980.77 4982.66 4984.55 4986.44 4988.33 4990.22 4992.11
 4930.23 4932.11 4934.00 4935.89 4937.78 4939.67 4941.56 4943.45 4945.34 4947.23
 4949.12 4951.01 4952.90 4954.79 4956.68 4958.57 4960.46 4962.35 4964.24 4966.13
 4968.02 4969.91 4971.79 4973.68 4975.57 4977.46 4979.35 4981.24 4983.13 4985.02
 4923.14 4925.03 4926.92 4928.81 4930.70 4932.59 4934.48 4936.37 4938.25 4940.14
 4942.03 4943.92 4945.81 4947.70 4949.59 4951.48 4953.37 4955.26 4957.15 4959.04
 4960.93 4962.82 4964.71 4966.60 4968.49 4970.38 4972.27 4974.16 4976.05 4977.94
 4916.05 4917.94 4919.83 4921.72 4923.61 4925.50 4927.39 4929.28 4931.17 4933.06
 4934.95 4936.84 4938.73 4940.62 4942.51 4944.40 4946.28 4948.17 4950.06 4951.95
 4953.84 4955.73 4957.62 4959.51 4961.40 4963.29 4965.18 4967.07 4968.96 4970.85
 4908.97 4910.86 4912.74 4914.63 4916.52 4918.41 4920.30 4922.19 4924.08 4925.97
 4927.86 4929.75 4931.64 4933.53 4935.42 4937.31 4939.20 4941.09 4942.98 4944.87
 4946.76 4948.65 4950.54 4952.42 4954.31 4956.20 4958.09 4959.98 4961.87 4963.76
 4901.88 4903.77 4905.66 4907.55 4909.44 4911.33 4913.22 4915.11 4917.00 4918.88
 4920.77 4922.66 4924.55 4926.44 4928.33 4930.22 4932.11 4934.00 4935.89 4937.78
 4939.67 4941.56 4943.45 4945.34 4947.23 4949.12 4951.01 4952.90 4954.79 4956.68
 4894.79 4896.68 4898.57 4900.46 4902.35 4904.24 4906.13 4908.02 4909.91 4911.80
 4913.69 4915.58 4917.47 4919.36 4921.25 4923.14 4925.03 4926.91 4928.80 4930.69
 4932.58 4934.47 4936.36 4938.25 4940.14 4942.03 4943.92 4945.81 4947.70 4949.59
 4887.71 4889.60 4891.49 4893.37 4895.26 4897.15 4899.04 4900.93 4902.82 4904.71
 4906.60 4908.49 4910.38 4912.27 4914.16 4916.05 4917.94 4919.83 4921.72 4923.61
 4925.50 4927.39 4929.28 4931.17 4933.05 4934.94 4936.83 4938.72 4940.61 4942.50
 4880.62 4882.51 4884.40 4886.29 4888.18 4890.07 4891.96 4893.85 4895.74 4897.63
 4899.51 4901.40 4903.29 4905.18 4907.07 4908.96 4910.85 4912.74 4914.63 4916.52
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4918.41	4920.30	4922.19	4924.08	4925.97	4927.86	4929.75	4931.64	4933.53	4935.42
4873.53	4875.42	4877.31	4879.20	4881.09	4882.98	4884.87	4886.76	4888.65	4890.54
4892.43	4894.32	4896.21	4898.10	4899.99	4901.88	4903.77	4905.66	4907.54	4909.43
4911.32	4913.21	4915.10	4916.99	4918.88	4920.77	4922.66	4924.55	4926.44	4928.33
4866.45	4868.34	4870.23	4872.12	4874.00	4875.89	4877.78	4879.67	4881.56	4883.45
4885.34	4887.23	4889.12	4891.01	4892.90	4894.79	4896.68	4898.57	4900.46	4902.35
4904.24	4906.13	4908.02	4909.91	4911.80	4913.68	4915.57	4917.46	4919.35	4921.24
4859.36	4861.25	4863.14	4865.03	4866.92	4868.81	4870.70	4872.59	4874.48	4876.37
4878.26	4880.14	4882.03	4883.92	4885.81	4887.70	4889.59	4891.48	4893.37	4895.26
4897.15	4899.04	4900.93	4902.82	4904.71	4906.60	4908.49	4910.38	4912.27	4914.16
4852.27	4854.16	4856.05	4857.94	4859.83	4861.72	4863.61	4865.50	4867.39	4869.28
4871.17	4873.06	4874.95	4876.84	4878.73	4880.62	4882.51	4884.40	4886.29	4888.17
4890.06	4891.95	4893.84	4895.73	4897.62	4899.51	4901.40	4903.29	4905.18	4907.07
4845.19	4847.08	4848.97	4850.86	4852.75	4854.63	4856.52	4858.41	4860.30	4862.19
4864.08	4865.97	4867.86	4869.75	4871.64	4873.53	4875.42	4877.31	4879.20	4881.09
4882.98	4884.87	4886.76	4888.65	4890.54	4892.43	4894.31	4896.20	4898.09	4899.98
4838.10	4839.99	4841.88	4843.77	4845.66	4847.55	4849.44	4851.33	4853.22	4855.11
4857.00	4858.89	4860.77	4862.66	4864.55	4866.44	4868.33	4870.22	4872.11	4874.00
4875.89	4877.78	4879.67	4881.56	4883.45	4885.34	4887.23	4889.12	4891.01	4892.90
4831.01	4832.90	4834.79	4836.68	4838.57	4840.46	4842.35	4844.24	4846.13	4848.02
4849.91	4851.80	4853.69	4855.58	4857.47	4859.36	4861.25	4863.14	4865.03	4866.92
4868.80	4870.69	4872.58	4874.47	4876.36	4878.25	4880.14	4882.03	4883.92	4885.81
4823.93	4825.82	4827.71	4829.60	4831.49	4833.38	4835.26	4837.15	4839.04	4840.93
4842.82	4844.71	4846.60	4848.49	4850.38	4852.27	4854.16	4856.05	4857.94	4859.83
4861.72	4863.61	4865.50	4867.39	4869.28	4871.17	4873.06	4874.94	4876.83	4878.72
4816.84	4818.73	4820.62	4822.51	4824.40	4826.29	4828.18	4830.07	4831.96	4833.85
4835.74	4837.63	4839.52	4841.40	4843.29	4845.18	4847.07	4848.96	4850.85	4852.74
4854.63	4856.52	4858.41	4860.30	4862.19	4864.08	4865.97	4867.86	4869.75	4871.64
4809.75	4811.64	4813.53	4815.42	4817.31	4819.20	4821.09	4822.98	4824.87	4826.76
4828.65	4830.54	4832.43	4834.32	4836.21	4838.10	4839.99	4841.88	4843.77	4845.66
4847.54	4849.43	4851.32	4853.21	4855.10	4856.99	4858.88	4860.77	4862.66	4864.55
4802.67	4804.56	4806.45	4808.34	4810.23	4812.12	4814.01	4815.89	4817.78	4819.67
4821.56	4823.45	4825.34	4827.23	4829.12	4831.01	4832.90	4834.79	4836.68	4838.57
4840.46	4842.35	4844.24	4846.13	4848.02	4849.91	4851.80	4853.69	4855.57	4857.46
4795.58	4797.47	4799.36	4801.25	4803.14	4805.03	4806.92	4808.81	4810.70	4812.59
4814.48	4816.37	4818.26	4820.15	4822.03	4823.92	4825.81	4827.70	4829.59	4831.48
4833.37	4835.26	4837.15	4839.04	4840.93	4842.82	4844.71	4846.60	4848.49	4850.38
4788.49	4790.38	4792.27	4794.16	4796.05	4797.94	4799.83	4801.72	4803.61	4805.50
4807.39	4809.28	4811.17	4813.06	4814.95	4816.84	4818.73	4820.62	4822.51	4824.40
4826.29	4828.17	4830.06	4831.95	4833.84	4835.73	4837.62	4839.51	4841.40	4843.29
4781.41	4783.30	4785.19	4787.08	4788.97	4790.86	4792.75	4794.63	4796.52	4798.41
4800.30	4802.19	4804.08	4805.97	4807.86	4809.75	4811.64	4813.53	4815.42	4817.31
4819.20	4821.09	4822.98	4824.87	4826.76	4828.65	4830.54	4832.43	4834.32	4836.20
4774.32	4776.21	4778.10	4779.99	4781.88	4783.77	4785.66	4787.55	4789.44	4791.33
4793.22	4795.11	4797.00	4798.89	4800.78	4802.66	4804.55	4806.44	4808.33	4810.22
4812.11	4814.00	4815.89	4817.78	4819.67	4821.56	4823.45	4825.34	4827.23	4829.12
4767.24	4769.12	4771.01	4772.90	4774.79	4776.68	4778.57	4780.46	4782.35	4784.24
4786.13	4788.02	4789.91	4791.80	4793.69	4795.58	4797.47	4799.36	4801.25	4803.14
4805.03	4806.92	4808.80	4810.69	4812.58	4814.47	4816.36	4818.25	4820.14	4822.03
4760.15	4762.04	4763.93	4765.82	4767.71	4769.60	4771.49	4773.38	4775.26	4777.15
4779.04	4780.93	4782.82	4784.71	4786.60	4788.49	4790.38	4792.27	4794.16	4796.05
4797.94	4799.83	4801.72	4803.61	4805.50	4807.39	4809.28	4811.17	4813.06	4814.95
4754.06	4755.95	4757.84	4759.73	4761.62	4763.51	4765.40	4767.29	4769.18	4771.07
4772.96	4774.85	4776.74	4778.63	4780.52	4782.41	4784.29	4786.18	4788.07	4789.96
4791.85	4793.74	4795.63	4797.52	4799.41	4801.30	4803.19	4805.08	4806.97	4808.86
4747.98	4749.87	4751.75	4753.64	4755.53	4757.42	4759.31	4761.20	4763.09	4764.98
4766.87	4768.76	4770.65	4772.54	4774.43	4776.32	4778.21	4780.10	4781.99	4783.88
4785.77	4787.66	4789.55	4791.43	4793.32	4795.21	4797.10	4798.99	4800.88	4802.77
4741.89	4743.78	4745.67	4747.56	4749.45	4751.34	4753.23	4755.12	4757.01	4758.89
4760.78	4762.67	4764.56	4766.45	4768.34	4770.23	4772.12	4774.01	4775.90	4777.79
4779.68	4781.57	4783.46	4785.35	4787.24	4789.13	4791.02	4792.91	4794.80	4796.69
4735.80	4737.69	4739.58	4741.47	4743.36	4745.25	4747.14	4749.03	4750.92	4752.81
4754.70	4756.59	4758.48	4760.37	4762.26	4764.15	4766.04	4767.92	4769.81	4771.70

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 4773.59 4775.48 4777.37 4779.26 4781.15 4783.04 4784.93 4786.82 4788.71 4790.60
 4729.72 4731.61 4733.50 4735.38 4737.27 4739.16 4741.05 4742.94 4744.83 4746.72
 4748.61 4750.50 4752.39 4754.28 4756.17 4758.06 4759.95 4761.84 4763.73 4765.62
 4767.51 4769.40 4771.29 4773.18 4775.06 4776.95 4778.84 4780.73 4782.62 4784.51
INTERNAL       1.0      (10F8.2)          3     BOTTOM ELEVATION OF CONFINNG BED LAYER 1
OR TOP OF LAYER 2
 4647.49 4634.25 4621.02 4607.78 4594.55 4581.31 4568.08 4554.84 4541.61 4528.37
 4515.14 4501.90 4488.67 4475.43 4462.20 4448.96 4435.73 4422.49 4409.26 4396.02
 4382.79 4369.55 4356.32 4343.08 4329.85 4316.61 4303.37 4290.14 4276.90 4263.67
 4648.78 4635.54 4622.31 4609.07 4595.84 4582.60 4569.37 4556.13 4542.90 4529.66
 4516.43 4503.19 4489.96 4476.72 4463.48 4450.25 4437.01 4423.78 4410.54 4397.31
 4384.07 4370.84 4357.60 4344.37 4331.13 4317.90 4304.66 4291.43 4278.19 4264.96
 4650.07 4636.83 4623.59 4610.36 4597.12 4583.89 4570.65 4557.42 4544.18 4530.95
 4517.71 4504.48 4491.24 4478.01 4464.77 4451.54 4438.30 4425.07 4411.83 4398.60
 4385.36 4372.13 4358.89 4345.66 4332.42 4319.19 4305.95 4292.72 4279.48 4266.25
 4651.35 4638.12 4624.88 4611.65 4598.41 4585.18 4571.94 4558.71 4545.47 4532.24
 4519.00 4505.77 4492.53 4479.30 4466.06 4452.83 4439.59 4426.36 4413.12 4399.89
 4386.65 4373.42 4360.18 4346.95 4333.71 4320.48 4307.24 4294.01 4280.77 4267.54
 4652.64 4639.41 4626.17 4612.94 4599.70 4586.47 4573.23 4560.00 4546.76 4533.53
 4520.29 4507.06 4493.82 4480.59 4467.35 4454.12 4440.88 4427.65 4414.41 4401.18
 4387.94 4374.71 4361.47 4348.24 4335.00 4321.77 4308.53 4295.30 4282.06 4268.83
 4653.93 4640.70 4627.46 4614.23 4600.99 4587.76 4574.52 4561.29 4548.05 4534.82
 4521.58 4508.35 4495.11 4481.88 4468.64 4455.41 4442.17 4428.94 4415.70 4402.47
 4389.23 4376.00 4362.76 4349.53 4336.29 4323.06 4309.82 4296.59 4283.35 4270.12
 4655.22 4641.99 4628.75 4615.52 4602.28 4589.05 4575.81 4562.58 4549.34 4536.11
 4522.87 4509.64 4496.40 4483.17 4469.93 4456.70 4443.46 4430.23 4416.99 4403.76
 4390.52 4377.29 4364.05 4350.82 4337.58 4324.35 4311.11 4297.88 4284.64 4271.41
 4656.51 4643.28 4630.04 4616.81 4603.57 4590.34 4577.10 4563.87 4550.63 4537.40
 4524.16 4510.93 4497.69 4484.46 4471.22 4457.99 4444.75 4431.52 4418.28 4405.05
 4391.81 4378.58 4365.34 4352.11 4338.87 4325.64 4312.40 4299.17 4285.93 4272.70
 4657.80 4644.57 4631.33 4618.10 4604.86 4591.63 4578.39 4565.16 4551.92 4538.69
 4525.45 4512.22 4498.98 4485.75 4472.51 4459.28 4446.04 4432.81 4419.57 4406.34
 4393.10 4379.86 4366.63 4353.39 4340.16 4326.92 4313.69 4300.45 4287.22 4273.98
 4659.09 4645.86 4632.62 4619.39 4606.15 4592.92 4579.68 4566.45 4553.21 4539.97
 4526.74 4513.50 4500.27 4487.03 4473.80 4460.56 4447.33 4434.09 4420.86 4407.62
 4394.39 4381.15 4367.92 4354.68 4341.45 4328.21 4314.98 4301.74 4288.51 4275.27
 4660.38 4647.14 4633.91 4620.67 4607.44 4594.20 4580.97 4567.73 4554.50 4541.26
 4528.03 4514.79 4501.56 4488.32 4475.09 4461.85 4448.62 4435.38 4422.15 4408.91
 4395.68 4382.44 4369.21 4355.97 4342.74 4329.50 4316.27 4303.03 4289.80 4276.56
 4661.67 4648.43 4635.20 4621.96 4608.73 4595.49 4582.26 4569.02 4555.79 4542.55
 4529.32 4516.08 4502.85 4489.61 4476.38 4463.14 4449.91 4436.67 4423.44 4410.20
 4396.97 4383.73 4370.50 4357.26 4344.03 4330.79 4317.56 4304.32 4291.09 4277.85
 4662.96 4649.72 4636.49 4623.25 4610.02 4596.78 4583.55 4570.31 4557.08 4543.84
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 4398.26 4385.02 4371.79 4358.55 4345.32 4332.08 4318.85 4305.61 4292.38 4279.14
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 4665.54 4652.30 4639.07 4625.83 4612.60 4599.36 4586.13 4572.89 4559.66 4546.42
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 4546.08 4532.84 4519.61 4506.37 4493.14 4479.90 4466.67 4453.43 4440.20 4426.96
 4413.73 4400.49 4387.26 4374.02 4360.79 4347.55 4334.32 4321.08 4307.85 4294.61
 4679.72 4666.48 4653.25 4640.01 4626.78 4613.54 4600.31 4587.07 4573.84 4560.60
 4547.37 4534.13 4520.90 4507.66 4494.43 4481.19 4467.96 4454.72 4441.49 4428.25
 4415.02 4401.78 4388.55 4375.31 4362.08 4348.84 4335.61 4322.37 4309.14 4295.90
 4682.01 4668.77 4655.54 4642.30 4629.07 4615.83 4602.60 4589.36 4576.13 4562.89
 4549.66 4536.42 4523.19 4509.95 4496.72 4483.48 4470.25 4457.01 4443.78 4430.54
 4417.31 4404.07 4390.84 4377.60 4364.37 4351.13 4337.90 4324.66 4311.43 4298.19
 4684.30 4671.06 4657.83 4644.59 4631.36 4618.12 4604.89 4591.65 4578.42 4565.18
 4551.95 4538.71 4525.48 4512.24 4499.01 4485.77 4472.54 4459.30 4446.07 4432.83
 4419.60 4406.36 4393.13 4379.89 4366.66 4353.42 4340.19 4326.95 4313.72 4300.48
 4686.59 4673.35 4660.12 4646.88 4633.65 4620.41 4607.18 4593.94 4580.71 4567.47
 4554.24 4541.00 4527.77 4514.53 4501.30 4488.06 4474.83 4461.59 4448.36 4435.12
 4421.89 4408.65 4395.42 4382.18 4368.95 4355.71 4342.48 4329.24 4316.01 4302.77
 4688.88 4675.64 4662.41 4649.17 4635.94 4622.70 4609.47 4596.23 4583.00 4569.76
 4556.53 4543.29 4530.06 4516.82 4503.59 4490.35 4477.12 4463.88 4450.65 4437.41
 4424.18 4410.94 4397.71 4384.47 4371.24 4358.00 4344.77 4331.53 4318.30 4305.06
 4691.17 4677.93 4664.70 4651.46 4638.23 4624.99 4611.76 4598.52 4585.29 4572.05
 4558.82 4545.58 4532.35 4519.11 4505.88 4492.64 4479.41 4466.17 4452.94 4439.70
 4426.47 4413.23 4400.00 4386.76 4373.53 4360.29 4347.06 4333.82 4320.58 4307.35
INTERNAL       1.0     (10F8.2)          3     BOTTOM ELEVATION OF LAYER 2
 4547.49 4534.25 4521.02 4507.78 4494.55 4481.31 4468.08 4454.84 4441.61 4428.37
 4415.14 4401.90 4388.67 4375.43 4362.20 4348.96 4335.73 4322.49 4309.26 4296.02
 4282.79 4269.55 4256.32 4243.08 4229.85 4216.61 4203.37 4190.14 4176.90 4163.67
 4548.78 4535.54 4522.31 4509.07 4495.84 4482.60 4469.37 4456.13 4442.90 4429.66
 4416.43 4403.19 4389.96 4376.72 4363.48 4350.25 4337.01 4323.78 4310.54 4297.31
 4284.07 4270.84 4257.60 4244.37 4231.13 4217.90 4204.66 4191.43 4178.19 4164.96
 4550.07 4536.83 4523.59 4510.36 4497.12 4483.89 4470.65 4457.42 4444.18 4430.95
 4417.71 4404.48 4391.24 4378.01 4364.77 4351.54 4338.30 4325.07 4311.83 4298.60
 4285.36 4272.13 4258.89 4245.66 4232.42 4219.19 4205.95 4192.72 4179.48 4166.25
 4551.35 4538.12 4524.88 4511.65 4498.41 4485.18 4471.94 4458.71 4445.47 4432.24
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 4286.65 4273.42 4260.18 4246.95 4233.71 4220.48 4207.24 4194.01 4180.77 4167.54
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1	23	1	4809.35	180.000

1	24	1	4801.27	180.000
1	25	1	4797.18	180.000
1	26	1	4793.10	180.000
1	27	1	4785.02	180.000
2	1	1	4374.99	100.000
2	2	1	4365.00	100.000
2	3	1	4395.01	100.000
2	4	1	4405.02	100.000
2	5	1	4415.03	100.000
2	6	1	4425.04	100.000
2	7	1	4435.05	100.000
2	8	1	4445.06	100.000
2	9	1	4455.06	100.000
2	10	1	4465.07	100.000
2	11	1	4475.08	100.000
2	12	1	4485.09	100.000
2	13	1	4495.10	100.000
2	14	1	4505.11	100.000
2	15	1	4515.12	100.000
2	16	1	4525.13	100.000
2	17	1	4535.14	100.000
2	18	1	4545.15	100.000
2	19	1	4555.16	100.000
2	20	1	4565.17	100.000
2	21	1	4575.18	100.000
2	22	1	4585.18	100.000
2	23	1	4595.19	100.000
2	24	1	4605.20	100.000
2	25	1	4615.21	100.000
2	26	1	4625.22	100.000
2	27	1	4635.23	100.000
2	28	1	4645.24	100.000
2	29	1	4655.25	100.000
2	30	1	4665.26	100.000
2	31	1	4675.27	100.000
2	1	30	4601.93	100.000
2	2	30	4611.94	100.000
2	3	30	4621.95	100.000
2	4	30	4631.96	100.000
2	5	30	4641.96	100.000
2	6	30	4651.97	100.000
2	7	30	4661.98	100.000
2	8	30	4671.99	100.000
2	9	30	4682.00	100.000
2	10	30	4692.01	100.000
2	11	30	4702.02	100.000
2	12	30	4712.03	100.000
2	13	30	4722.04	100.000
2	14	30	4732.05	100.000
2	15	30	4742.06	100.000
2	16	30	4752.07	100.000
2	17	30	4762.08	100.000
2	18	30	4772.09	100.000
2	19	30	4782.09	100.000
2	20	30	4792.10	100.000
2	21	30	4802.11	100.000
2	22	30	4812.12	100.000
2	23	30	4822.13	100.000
2	24	30	4832.14	100.000
2	25	30	4842.15	100.000
2	26	30	4852.16	100.000
2	27	30	4862.17	100.000
2	28	30	4872.18	100.000

2	29	30	4882.19	100.000
2	30	30	4892.20	100.000
2	31	30	4902.21	100.000
2	1	2	4353.07	100.000
2	1	3	4358.96	100.000
2	1	4	4364.86	100.000
2	1	5	4370.75	100.000
2	1	6	4376.65	100.000
2	1	7	4382.54	100.000
2	1	8	4388.44	100.000
2	1	9	4394.33	100.000
2	1	10	4400.23	100.000
2	1	11	4406.12	100.000
2	1	12	4412.02	100.000
2	1	13	4417.91	100.000
2	1	14	4423.80	100.000
2	1	15	4429.70	100.000
2	1	16	4435.59	100.000
2	1	17	4441.49	100.000
2	1	18	4447.38	100.000
2	1	19	4453.28	100.000
2	1	20	4459.17	100.000
2	1	21	4465.07	100.000
2	1	22	4470.96	100.000
2	1	23	4476.85	100.000
2	1	24	4482.75	100.000
2	1	25	4488.64	100.000
2	1	26	4494.54	100.000
2	1	27	4500.43	100.000
2	1	28	4506.33	100.000
2	1	29	4512.22	100.000
2	31	2	4826.87	100.000
2	31	3	4832.76	100.000
2	31	4	4838.66	100.000
2	31	5	4844.55	100.000
2	31	6	4850.44	100.000
2	31	7	4856.34	100.000
2	31	8	4862.23	100.000
2	31	9	4868.13	100.000
2	31	10	4874.02	100.000
2	31	11	4879.92	100.000
2	31	12	4885.81	100.000
2	31	13	4891.71	100.000
2	31	14	4897.60	100.000
2	31	15	4903.50	100.000
2	31	16	4909.39	100.000
2	31	17	4915.28	100.000
2	31	18	4921.18	100.000
2	31	19	4927.07	100.000
2	31	20	4932.97	100.000
2	31	21	4938.86	100.000
2	31	22	4944.76	100.000
2	31	23	4950.65	100.000
2	31	24	4956.55	100.000
2	31	25	4962.44	100.000
2	31	26	4968.33	100.000
2	31	27	4974.23	100.000
2	31	28	4980.12	100.000
2	31	29	4986.02	100.000

```
                     MODFLOW-2005
 U.S. GEOLOGICAL SURVEY MODULAR FINITE-DIFFERENCE GROUND-WATER FLOW MODEL
                  VERSION 1.11.00 8/8/2013

LIST FILE: RUN4.LST
                        UNIT   96

OPENING RUN4.BA6
FILE TYPE:BAS6   UNIT   95   STATUS:OLD
FORMAT:FORMATTED              ACCESS:SEQUENTIAL

OPENING RUN4.BC6
FILE TYPE:BCF6   UNIT   11   STATUS:OLD
FORMAT:FORMATTED              ACCESS:SEQUENTIAL

OPENING RUN4.RCH
FILE TYPE:RCH   UNIT   18   STATUS:OLD
FORMAT:FORMATTED              ACCESS:SEQUENTIAL

OPENING RUN4.WEL
FILE TYPE:WEL   UNIT   12   STATUS:OLD
FORMAT:FORMATTED              ACCESS:SEQUENTIAL

OPENING RUN4.SIP
FILE TYPE:SIP   UNIT   19   STATUS:OLD
FORMAT:FORMATTED              ACCESS:SEQUENTIAL

OPENING RUN4.GHB
FILE TYPE:GHB   UNIT   21   STATUS:OLD
FORMAT:FORMATTED              ACCESS:SEQUENTIAL

OPENING RUN4.OC
FILE TYPE:OC   UNIT   22   STATUS:OLD
FORMAT:FORMATTED              ACCESS:SEQUENTIAL

OPENING RUN4.DIS
FILE TYPE:DIS   UNIT   10   STATUS:OLD
FORMAT:FORMATTED              ACCESS:SEQUENTIAL

BAS -- BASIC PACKAGE, VERSION 7, 5/2/2005 INPUT READ FROM UNIT   95

MODFLOW was compiled using mixed precision
Precision of REAL variables:           6
Precision of DOUBLE PRECISION variables:          15

DISCRETIZATION INPUT DATA READ FROM UNIT   10
#dis
   2 LAYERS        31 ROWS        30 COLUMNS
   6 STRESS PERIOD(S) IN SIMULATION
MODEL TIME UNIT IS DAYS
MODEL LENGTH UNIT IS FEET
 Confining bed flag for each layer:
  1   0

                    DELR =   500.000

                    DELC =   500.000



          TOP ELEVATION OF LAYER 1
READING ON UNIT   10 WITH FORMAT: (10F8.2)
```

```
          1         2         3         4         5         6         7         8         9        10
     11        12        13        14        15
         16        17        18        19        20        21        22        23        24        25
     26        27        28        29        30

..........................................................................................
........................................
   1   5017.3  5019.2  5021.1  5023.0  5024.9  5026.8  5028.6  5030.5  5032.4
5034.3  5036.2  5038.1  5040.0  5041.9  5043.8
       5045.6  5047.5  5049.4  5051.3  5053.2  5055.1  5057.0  5058.9  5060.8
5062.7  5064.5  5066.4  5068.3  5070.2  5072.1
   2   5010.2  5012.1  5014.0  5015.9  5017.8  5019.7  5021.6  5023.5  5025.3
5027.2  5029.1  5031.0  5032.9  5034.8  5036.7
       5038.6  5040.5  5042.4  5044.2  5046.1  5048.0  5049.9  5051.8  5053.7
5055.6  5057.5  5059.4  5061.2  5063.1  5065.0
   3   5003.1  5005.0  5006.9  5008.8  5010.7  5012.6  5014.5  5016.4  5018.2
5020.1  5022.0  5023.9  5025.8  5027.7  5029.6
       5031.5  5033.4  5035.3  5037.1  5039.0  5040.9  5042.8  5044.7  5046.6
5048.5  5050.4  5052.3  5054.2  5056.0  5057.9
   4   4996.0  4997.9  4999.8  5001.7  5003.6  5005.5  5007.4  5009.3  5011.2
5013.1  5015.0  5016.8  5018.7  5020.6  5022.5
       5024.4  5026.3  5028.2  5030.1  5032.0  5033.8  5035.7  5037.6  5039.5
5041.4  5043.3  5045.2  5047.1  5049.0  5050.9
   5   4989.0  4990.9  4992.7  4994.6  4996.5  4998.4  5000.3  5002.2  5004.1
5006.0  5007.9  5009.8  5011.6  5013.5  5015.4
       5017.3  5019.2  5021.1  5023.0  5024.9  5026.8  5028.6  5030.5  5032.4
5034.3  5036.2  5038.1  5040.0  5041.9  5043.8
   6   4981.9  4983.8  4985.7  4987.5  4989.4  4991.3  4993.2  4995.1  4997.0
4998.9  5000.8  5002.7  5004.5  5006.4  5008.3
       5010.2  5012.1  5014.0  5015.9  5017.8  5019.7  5021.6  5023.5  5025.3
5027.2  5029.1  5031.0  5032.9  5034.8  5036.7
   7   4974.8  4976.7  4978.6  4980.5  4982.4  4984.2  4986.1  4988.0  4989.9
4991.8  4993.7  4995.6  4997.5  4999.4  5001.2
       5003.1  5005.0  5006.9  5008.8  5010.7  5012.6  5014.5  5016.4  5018.2
5020.1  5022.0  5023.9  5025.8  5027.7  5029.6
   8   4967.7  4969.6  4971.5  4973.4  4975.3  4977.1  4979.0  4980.9  4982.8
4984.7  4986.6  4988.5  4990.4  4992.3  4994.2
       4996.0  4997.9  4999.8  5001.7  5003.6  5005.5  5007.4  5009.3  5011.2
5013.0  5014.9  5016.8  5018.7  5020.6  5022.5
   9   4960.6  4962.5  4964.4  4966.3  4968.2  4970.1  4972.0  4973.9  4975.7
4977.6  4979.5  4981.4  4983.3  4985.2  4987.1
       4989.0  4990.9  4992.7  4994.6  4996.5  4998.4  5000.3  5002.2  5004.1
5006.0  5007.9  5009.8  5011.6  5013.5  5015.4
  10   4953.5  4955.4  4957.3  4959.2  4961.1  4963.0  4964.9  4966.8  4968.6
4970.5  4972.4  4974.3  4976.2  4978.1  4980.0
       4981.9  4983.8  4985.7  4987.5  4989.4  4991.3  4993.2  4995.1  4997.0
4998.9  5000.8  5002.7  5004.5  5006.4  5008.3
  11   4946.5  4948.3  4950.2  4952.1  4954.0  4955.9  4957.8  4959.7  4961.6
4963.5  4965.3  4967.2  4969.1  4971.0  4972.9
       4974.8  4976.7  4978.6  4980.5  4982.4  4984.2  4986.1  4988.0  4989.9
4991.8  4993.7  4995.6  4997.5  4999.4  5001.2
  12   4939.4  4941.2  4943.1  4945.0  4946.9  4948.8  4950.7  4952.6  4954.5
4956.4  4958.3  4960.1  4962.0  4963.9  4965.8
       4967.7  4969.6  4971.5  4973.4  4975.3  4977.1  4979.0  4980.9  4982.8
4984.7  4986.6  4988.5  4990.4  4992.3  4994.2
  13   4932.3  4934.2  4936.0  4937.9  4939.8  4941.7  4943.6  4945.5  4947.4
4949.3  4951.2  4953.1  4955.0  4956.8  4958.7
       4960.6  4962.5  4964.4  4966.3  4968.2  4970.1  4972.0  4973.8  4975.7
4977.6  4979.5  4981.4  4983.3  4985.2  4987.1
  14   4925.2  4927.1  4929.0  4930.9  4932.8  4934.6  4936.5  4938.4  4940.3
4942.2  4944.1  4946.0  4947.9  4949.8  4951.6
       4953.5  4955.4  4957.3  4959.2  4961.1  4963.0  4964.9  4966.8  4968.6
4970.5  4972.4  4974.3  4976.2  4978.1  4980.0
```

```
  15    4918.1  4920.0  4921.9  4923.8  4925.7  4927.5  4929.4  4931.3  4933.2
4935.1  4937.0  4938.9  4940.8  4942.7  4944.5
        4946.4  4948.3  4950.2  4952.1  4954.0  4955.9  4957.8  4959.7  4961.6
4963.5  4965.3  4967.2  4969.1  4971.0  4972.9
  16    4911.0  4912.9  4914.8  4916.7  4918.6  4920.5  4922.4  4924.2  4926.1
4928.0  4929.9  4931.8  4933.7  4935.6  4937.5
        4939.4  4941.2  4943.1  4945.0  4946.9  4948.8  4950.7  4952.6  4954.5
4956.4  4958.2  4960.1  4962.0  4963.9  4965.8
  17    4903.9  4905.8  4907.7  4909.6  4911.5  4913.4  4915.3  4917.1  4919.0
4920.9  4922.8  4924.7  4926.6  4928.5  4930.4
        4932.3  4934.2  4936.0  4937.9  4939.8  4941.7  4943.6  4945.5  4947.4
4949.3  4951.2  4953.1  4954.9  4956.8  4958.7
  18    4896.8  4898.7  4900.6  4902.5  4904.4  4906.3  4908.2  4910.1  4912.0
4913.9  4915.7  4917.6  4919.5  4921.4  4923.3
        4925.2  4927.1  4929.0  4930.9  4932.7  4934.6  4936.5  4938.4  4940.3
4942.2  4944.1  4946.0  4947.9  4949.8  4951.6
  19    4889.8  4891.6  4893.5  4895.4  4897.3  4899.2  4901.1  4903.0  4904.9
4906.8  4908.6  4910.5  4912.4  4914.3  4916.2
        4918.1  4920.0  4921.9  4923.8  4925.7  4927.5  4929.4  4931.3  4933.2
4935.1  4937.0  4938.9  4940.8  4942.7  4944.5
  20    4882.7  4884.6  4886.5  4888.3  4890.2  4892.1  4894.0  4895.9  4897.8
4899.7  4901.6  4903.5  4905.3  4907.2  4909.1
        4911.0  4912.9  4914.8  4916.7  4918.6  4920.5  4922.4  4924.2  4926.1
4928.0  4929.9  4931.8  4933.7  4935.6  4937.5
  21    4875.6  4877.5  4879.4  4881.2  4883.1  4885.0  4886.9  4888.8  4890.7
4892.6  4894.5  4896.4  4898.3  4900.1  4902.0
        4903.9  4905.8  4907.7  4909.6  4911.5  4913.4  4915.3  4917.1  4919.0
4920.9  4922.8  4924.7  4926.6  4928.5  4930.4
  22    4868.5  4870.4  4872.3  4874.2  4876.0  4877.9  4879.8  4881.7  4883.6
4885.5  4887.4  4889.3  4891.2  4893.1  4895.0
        4896.8  4898.7  4900.6  4902.5  4904.4  4906.3  4908.2  4910.1  4912.0
4913.8  4915.7  4917.6  4919.5  4921.4  4923.3
  23    4861.4  4863.3  4865.2  4867.1  4869.0  4870.9  4872.8  4874.6  4876.5
4878.4  4880.3  4882.2  4884.1  4886.0  4887.9
        4889.8  4891.6  4893.5  4895.4  4897.3  4899.2  4901.1  4903.0  4904.9
4906.8  4908.6  4910.5  4912.4  4914.3  4916.2
  24    4854.3  4856.2  4858.1  4860.0  4861.9  4863.8  4865.7  4867.5  4869.4
4871.3  4873.2  4875.1  4877.0  4878.9  4880.8
        4882.7  4884.5  4886.4  4888.3  4890.2  4892.1  4894.0  4895.9  4897.8
4899.7  4901.6  4903.5  4905.3  4907.2  4909.1
  25    4847.2  4849.1  4851.0  4852.9  4854.8  4856.7  4858.6  4860.5  4862.4
4864.2  4866.1  4868.0  4869.9  4871.8  4873.7
        4875.6  4877.5  4879.4  4881.2  4883.1  4885.0  4886.9  4888.8  4890.7
4892.6  4894.5  4896.4  4898.2  4900.1  4902.0
  26    4840.1  4842.0  4843.9  4845.8  4847.7  4849.6  4851.5  4853.4  4855.3
4857.1  4859.0  4860.9  4862.8  4864.7  4866.6
        4868.5  4870.4  4872.3  4874.2  4876.0  4877.9  4879.8  4881.7  4883.6
4885.5  4887.4  4889.3  4891.2  4893.1  4895.0
  27    4834.1  4836.0  4837.8  4839.7  4841.6  4843.5  4845.4  4847.3  4849.2
4851.1  4853.0  4854.9  4856.7  4858.6  4860.5
        4862.4  4864.3  4866.2  4868.1  4870.0  4871.9  4873.7  4875.6  4877.5
4879.4  4881.3  4883.2  4885.1  4887.0  4888.9
  28    4828.0  4829.9  4831.8  4833.6  4835.5  4837.4  4839.3  4841.2  4843.1
4845.0  4846.9  4848.8  4850.6  4852.5  4854.4
        4856.3  4858.2  4860.1  4862.0  4863.9  4865.8  4867.7  4869.5  4871.4
4873.3  4875.2  4877.1  4879.0  4880.9  4882.8
  29    4821.9  4823.8  4825.7  4827.6  4829.5  4831.3  4833.2  4835.1  4837.0
4838.9  4840.8  4842.7  4844.6  4846.5  4848.3
        4850.2  4852.1  4854.0  4855.9  4857.8  4859.7  4861.6  4863.5  4865.4
4867.2  4869.1  4871.0  4872.9  4874.8  4876.7
  30    4815.8  4817.7  4819.6  4821.5  4823.4  4825.2  4827.1  4829.0  4830.9
4832.8  4834.7  4836.6  4838.5  4840.4  4842.3
        4844.1  4846.0  4847.9  4849.8  4851.7  4853.6  4855.5  4857.4  4859.3
```

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4861.1  4863.0  4864.9  4866.8  4868.7  4870.6
  31   4809.7  4811.6  4813.5  4815.4  4817.3  4819.2  4821.0  4822.9  4824.8
4826.7  4828.6  4830.5  4832.4  4834.3  4836.2
       4838.1  4840.0  4841.8  4843.7  4845.6  4847.5  4849.4  4851.3  4853.2
4855.1  4857.0  4858.8  4860.7  4862.6  4864.5



             MODEL LAYER BOTTOM EL. FOR LAYER   1
 READING ON UNIT   10 WITH FORMAT: (10F8.2)

          1       2       3       4       5       6       7       8       9      10
     11      12      13      14      15
         16      17      18      19      20      21      22      23      24      25
     26      27      28      29      30

....................................................................................
...........................................
   1   4937.3  4939.2  4941.1  4943.0  4944.9  4946.8  4948.6  4950.5  4952.4
4954.3  4956.2  4958.1  4960.0  4961.9  4963.8
       4965.6  4967.5  4969.4  4971.3  4973.2  4975.1  4977.0  4978.9  4980.8
4982.7  4984.5  4986.4  4988.3  4990.2  4992.1
   2   4930.2  4932.1  4934.0  4935.9  4937.8  4939.7  4941.6  4943.5  4945.3
4947.2  4949.1  4951.0  4952.9  4954.8  4956.7
       4958.6  4960.5  4962.4  4964.2  4966.1  4968.0  4969.9  4971.8  4973.7
4975.6  4977.5  4979.4  4981.2  4983.1  4985.0
   3   4923.1  4925.0  4926.9  4928.8  4930.7  4932.6  4934.5  4936.4  4938.2
4940.1  4942.0  4943.9  4945.8  4947.7  4949.6
       4951.5  4953.4  4955.3  4957.1  4959.0  4960.9  4962.8  4964.7  4966.6
4968.5  4970.4  4972.3  4974.2  4976.0  4977.9
   4   4916.0  4917.9  4919.8  4921.7  4923.6  4925.5  4927.4  4929.3  4931.2
4933.1  4935.0  4936.8  4938.7  4940.6  4942.5
       4944.4  4946.3  4948.2  4950.1  4952.0  4953.8  4955.7  4957.6  4959.5
4961.4  4963.3  4965.2  4967.1  4969.0  4970.9
   5   4909.0  4910.9  4912.7  4914.6  4916.5  4918.4  4920.3  4922.2  4924.1
4926.0  4927.9  4929.8  4931.6  4933.5  4935.4
       4937.3  4939.2  4941.1  4943.0  4944.9  4946.8  4948.6  4950.5  4952.4
4954.3  4956.2  4958.1  4960.0  4961.9  4963.8
   6   4901.9  4903.8  4905.7  4907.5  4909.4  4911.3  4913.2  4915.1  4917.0
4918.9  4920.8  4922.7  4924.5  4926.4  4928.3
       4930.2  4932.1  4934.0  4935.9  4937.8  4939.7  4941.6  4943.5  4945.3
4947.2  4949.1  4951.0  4952.9  4954.8  4956.7
   7   4894.8  4896.7  4898.6  4900.5  4902.4  4904.2  4906.1  4908.0  4909.9
4911.8  4913.7  4915.6  4917.5  4919.4  4921.2
       4923.1  4925.0  4926.9  4928.8  4930.7  4932.6  4934.5  4936.4  4938.2
4940.1  4942.0  4943.9  4945.8  4947.7  4949.6
   8   4887.7  4889.6  4891.5  4893.4  4895.3  4897.1  4899.0  4900.9  4902.8
4904.7  4906.6  4908.5  4910.4  4912.3  4914.2
       4916.0  4917.9  4919.8  4921.7  4923.6  4925.5  4927.4  4929.3  4931.2
4933.0  4934.9  4936.8  4938.7  4940.6  4942.5
   9   4880.6  4882.5  4884.4  4886.3  4888.2  4890.1  4892.0  4893.9  4895.7
4897.6  4899.5  4901.4  4903.3  4905.2  4907.1
       4909.0  4910.9  4912.7  4914.6  4916.5  4918.4  4920.3  4922.2  4924.1
4926.0  4927.9  4929.8  4931.6  4933.5  4935.4
  10   4873.5  4875.4  4877.3  4879.2  4881.1  4883.0  4884.9  4886.8  4888.6
4890.5  4892.4  4894.3  4896.2  4898.1  4900.0
       4901.9  4903.8  4905.7  4907.5  4909.4  4911.3  4913.2  4915.1  4917.0
4918.9  4920.8  4922.7  4924.5  4926.4  4928.3
  11   4866.5  4868.3  4870.2  4872.1  4874.0  4875.9  4877.8  4879.7  4881.6
4883.5  4885.3  4887.2  4889.1  4891.0  4892.9
       4894.8  4896.7  4898.6  4900.5  4902.4  4904.2  4906.1  4908.0  4909.9
4911.8  4913.7  4915.6  4917.5  4919.4  4921.2
  12   4859.4  4861.2  4863.1  4865.0  4866.9  4868.8  4870.7  4872.6  4874.5
```

```
4876.4  4878.3  4880.1  4882.0  4883.9  4885.8
        4887.7  4889.6  4891.5  4893.4  4895.3  4897.1  4899.0  4900.9  4902.8
4904.7  4906.6  4908.5  4910.4  4912.3  4914.2
  13    4852.3  4854.2  4856.0  4857.9  4859.8  4861.7  4863.6  4865.5  4867.4
4869.3  4871.2  4873.1  4875.0  4876.8  4878.7
        4880.6  4882.5  4884.4  4886.3  4888.2  4890.1  4892.0  4893.8  4895.7
4897.6  4899.5  4901.4  4903.3  4905.2  4907.1
  14    4845.2  4847.1  4849.0  4850.9  4852.8  4854.6  4856.5  4858.4  4860.3
4862.2  4864.1  4866.0  4867.9  4869.8  4871.6
        4873.5  4875.4  4877.3  4879.2  4881.1  4883.0  4884.9  4886.8  4888.6
4890.5  4892.4  4894.3  4896.2  4898.1  4900.0
  15    4838.1  4840.0  4841.9  4843.8  4845.7  4847.5  4849.4  4851.3  4853.2
4855.1  4857.0  4858.9  4860.8  4862.7  4864.5
        4866.4  4868.3  4870.2  4872.1  4874.0  4875.9  4877.8  4879.7  4881.6
4883.5  4885.3  4887.2  4889.1  4891.0  4892.9
  16    4831.0  4832.9  4834.8  4836.7  4838.6  4840.5  4842.4  4844.2  4846.1
4848.0  4849.9  4851.8  4853.7  4855.6  4857.5
        4859.4  4861.2  4863.1  4865.0  4866.9  4868.8  4870.7  4872.6  4874.5
4876.4  4878.2  4880.1  4882.0  4883.9  4885.8
  17    4823.9  4825.8  4827.7  4829.6  4831.5  4833.4  4835.3  4837.1  4839.0
4840.9  4842.8  4844.7  4846.6  4848.5  4850.4
        4852.3  4854.2  4856.0  4857.9  4859.8  4861.7  4863.6  4865.5  4867.4
4869.3  4871.2  4873.1  4874.9  4876.8  4878.7
  18    4816.8  4818.7  4820.6  4822.5  4824.4  4826.3  4828.2  4830.1  4832.0
4833.9  4835.7  4837.6  4839.5  4841.4  4843.3
        4845.2  4847.1  4849.0  4850.9  4852.7  4854.6  4856.5  4858.4  4860.3
4862.2  4864.1  4866.0  4867.9  4869.8  4871.6
  19    4809.8  4811.6  4813.5  4815.4  4817.3  4819.2  4821.1  4823.0  4824.9
4826.8  4828.6  4830.5  4832.4  4834.3  4836.2
        4838.1  4840.0  4841.9  4843.8  4845.7  4847.5  4849.4  4851.3  4853.2
4855.1  4857.0  4858.9  4860.8  4862.7  4864.5
  20    4802.7  4804.6  4806.5  4808.3  4810.2  4812.1  4814.0  4815.9  4817.8
4819.7  4821.6  4823.5  4825.3  4827.2  4829.1
        4831.0  4832.9  4834.8  4836.7  4838.6  4840.5  4842.4  4844.2  4846.1
4848.0  4849.9  4851.8  4853.7  4855.6  4857.5
  21    4795.6  4797.5  4799.4  4801.2  4803.1  4805.0  4806.9  4808.8  4810.7
4812.6  4814.5  4816.4  4818.3  4820.1  4822.0
        4823.9  4825.8  4827.7  4829.6  4831.5  4833.4  4835.3  4837.1  4839.0
4840.9  4842.8  4844.7  4846.6  4848.5  4850.4
  22    4788.5  4790.4  4792.3  4794.2  4796.0  4797.9  4799.8  4801.7  4803.6
4805.5  4807.4  4809.3  4811.2  4813.1  4815.0
        4816.8  4818.7  4820.6  4822.5  4824.4  4826.3  4828.2  4830.1  4832.0
4833.8  4835.7  4837.6  4839.5  4841.4  4843.3
  23    4781.4  4783.3  4785.2  4787.1  4789.0  4790.9  4792.8  4794.6  4796.5
4798.4  4800.3  4802.2  4804.1  4806.0  4807.9
        4809.8  4811.6  4813.5  4815.4  4817.3  4819.2  4821.1  4823.0  4824.9
4826.8  4828.6  4830.5  4832.4  4834.3  4836.2
  24    4774.3  4776.2  4778.1  4780.0  4781.9  4783.8  4785.7  4787.5  4789.4
4791.3  4793.2  4795.1  4797.0  4798.9  4800.8
        4802.7  4804.5  4806.4  4808.3  4810.2  4812.1  4814.0  4815.9  4817.8
4819.7  4821.6  4823.5  4825.3  4827.2  4829.1
  25    4767.2  4769.1  4771.0  4772.9  4774.8  4776.7  4778.6  4780.5  4782.4
4784.2  4786.1  4788.0  4789.9  4791.8  4793.7
        4795.6  4797.5  4799.4  4801.2  4803.1  4805.0  4806.9  4808.8  4810.7
4812.6  4814.5  4816.4  4818.2  4820.1  4822.0
  26    4760.1  4762.0  4763.9  4765.8  4767.7  4769.6  4771.5  4773.4  4775.3
4777.1  4779.0  4780.9  4782.8  4784.7  4786.6
        4788.5  4790.4  4792.3  4794.2  4796.0  4797.9  4799.8  4801.7  4803.6
4805.5  4807.4  4809.3  4811.2  4813.1  4815.0
  27    4754.1  4756.0  4757.8  4759.7  4761.6  4763.5  4765.4  4767.3  4769.2
4771.1  4773.0  4774.9  4776.7  4778.6  4780.5
        4782.4  4784.3  4786.2  4788.1  4790.0  4791.9  4793.7  4795.6  4797.5
4799.4  4801.3  4803.2  4805.1  4807.0  4808.9
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  28     4748.0  4749.9  4751.8  4753.6  4755.5  4757.4  4759.3  4761.2  4763.1
4765.0  4766.9  4768.8  4770.6  4772.5  4774.4
         4776.3  4778.2  4780.1  4782.0  4783.9  4785.8  4787.7  4789.5  4791.4
4793.3  4795.2  4797.1  4799.0  4800.9  4802.8
  29     4741.9  4743.8  4745.7  4747.6  4749.5  4751.3  4753.2  4755.1  4757.0
4758.9  4760.8  4762.7  4764.6  4766.5  4768.3
         4770.2  4772.1  4774.0  4775.9  4777.8  4779.7  4781.6  4783.5  4785.4
4787.2  4789.1  4791.0  4792.9  4794.8  4796.7
  30     4735.8  4737.7  4739.6  4741.5  4743.4  4745.2  4747.1  4749.0  4750.9
4752.8  4754.7  4756.6  4758.5  4760.4  4762.3
         4764.1  4766.0  4767.9  4769.8  4771.7  4773.6  4775.5  4777.4  4779.3
4781.1  4783.0  4784.9  4786.8  4788.7  4790.6
  31     4729.7  4731.6  4733.5  4735.4  4737.3  4739.2  4741.0  4742.9  4744.8
4746.7  4748.6  4750.5  4752.4  4754.3  4756.2
         4758.1  4760.0  4761.8  4763.7  4765.6  4767.5  4769.4  4771.3  4773.2
4775.1  4777.0  4778.8  4780.7  4782.6  4784.5



          BOT. EL. OF QUASI-3D BED FOR LAYER   1
 READING ON UNIT   10 WITH FORMAT: (10F8.2)

          1       2       3       4       5       6       7       8       9      10
     11      12      13      14      15
         16      17      18      19      20      21      22      23      24      25
     26      27      28      29      30

...................................................................................
...................................................
   1     4647.5  4634.2  4621.0  4607.8  4594.5  4581.3  4568.1  4554.8  4541.6
4528.4  4515.1  4501.9  4488.7  4475.4  4462.2
         4449.0  4435.7  4422.5  4409.3  4396.0  4382.8  4369.5  4356.3  4343.1
4329.9  4316.6  4303.4  4290.1  4276.9  4263.7
   2     4648.8  4635.5  4622.3  4609.1  4595.8  4582.6  4569.4  4556.1  4542.9
4529.7  4516.4  4503.2  4490.0  4476.7  4463.5
         4450.2  4437.0  4423.8  4410.5  4397.3  4384.1  4370.8  4357.6  4344.4
4331.1  4317.9  4304.7  4291.4  4278.2  4265.0
   3     4650.1  4636.8  4623.6  4610.4  4597.1  4583.9  4570.6  4557.4  4544.2
4531.0  4517.7  4504.5  4491.2  4478.0  4464.8
         4451.5  4438.3  4425.1  4411.8  4398.6  4385.4  4372.1  4358.9  4345.7
4332.4  4319.2  4306.0  4292.7  4279.5  4266.2
   4     4651.4  4638.1  4624.9  4611.6  4598.4  4585.2  4571.9  4558.7  4545.5
4532.2  4519.0  4505.8  4492.5  4479.3  4466.1
         4452.8  4439.6  4426.4  4413.1  4399.9  4386.6  4373.4  4360.2  4347.0
4333.7  4320.5  4307.2  4294.0  4280.8  4267.5
   5     4652.6  4639.4  4626.2  4612.9  4599.7  4586.5  4573.2  4560.0  4546.8
4533.5  4520.3  4507.1  4493.8  4480.6  4467.4
         4454.1  4440.9  4427.6  4414.4  4401.2  4387.9  4374.7  4361.5  4348.2
4335.0  4321.8  4308.5  4295.3  4282.1  4268.8
   6     4653.9  4640.7  4627.5  4614.2  4601.0  4587.8  4574.5  4561.3  4548.0
4534.8  4521.6  4508.4  4495.1  4481.9  4468.6
         4455.4  4442.2  4428.9  4415.7  4402.5  4389.2  4376.0  4362.8  4349.5
4336.3  4323.1  4309.8  4296.6  4283.4  4270.1
   7     4655.2  4642.0  4628.8  4615.5  4602.3  4589.0  4575.8  4562.6  4549.3
4536.1  4522.9  4509.6  4496.4  4483.2  4469.9
         4456.7  4443.5  4430.2  4417.0  4403.8  4390.5  4377.3  4364.0  4350.8
4337.6  4324.4  4311.1  4297.9  4284.6  4271.4
   8     4656.5  4643.3  4630.0  4616.8  4603.6  4590.3  4577.1  4563.9  4550.6
4537.4  4524.2  4510.9  4497.7  4484.5  4471.2
         4458.0  4444.8  4431.5  4418.3  4405.0  4391.8  4378.6  4365.3  4352.1
4338.9  4325.6  4312.4  4299.2  4285.9  4272.7
   9     4657.8  4644.6  4631.3  4618.1  4604.9  4591.6  4578.4  4565.2  4551.9
4538.7  4525.5  4512.2  4499.0  4485.8  4472.5
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         4459.3  4446.0  4432.8  4419.6  4406.3  4393.1  4379.9  4366.6  4353.4
4340.2   4326.9  4313.7  4300.5  4287.2  4274.0
  10     4659.1  4645.9  4632.6  4619.4  4606.1  4592.9  4579.7  4566.5  4553.2
4540.0   4526.7  4513.5  4500.3  4487.0  4473.8
         4460.6  4447.3  4434.1  4420.9  4407.6  4394.4  4381.1  4367.9  4354.7
4341.5   4328.2  4315.0  4301.7  4288.5  4275.3
  11     4660.4  4647.1  4633.9  4620.7  4607.4  4594.2  4581.0  4567.7  4554.5
4541.3   4528.0  4514.8  4501.6  4488.3  4475.1
         4461.9  4448.6  4435.4  4422.1  4408.9  4395.7  4382.4  4369.2  4356.0
4342.7   4329.5  4316.3  4303.0  4289.8  4276.6
  12     4661.7  4648.4  4635.2  4622.0  4608.7  4595.5  4582.3  4569.0  4555.8
4542.5   4529.3  4516.1  4502.9  4489.6  4476.4
         4463.1  4449.9  4436.7  4423.4  4410.2  4397.0  4383.7  4370.5  4357.3
4344.0   4330.8  4317.6  4304.3  4291.1  4277.9
  13     4663.0  4649.7  4636.5  4623.2  4610.0  4596.8  4583.5  4570.3  4557.1
4543.8   4530.6  4517.4  4504.1  4490.9  4477.7
         4464.4  4451.2  4438.0  4424.7  4411.5  4398.3  4385.0  4371.8  4358.5
4345.3   4332.1  4318.9  4305.6  4292.4  4279.1
  14     4664.2  4651.0  4637.8  4624.5  4611.3  4598.1  4584.8  4571.6  4558.4
4545.1   4531.9  4518.7  4505.4  4492.2  4479.0
         4465.7  4452.5  4439.2  4426.0  4412.8  4399.5  4386.3  4373.1  4359.8
4346.6   4333.4  4320.1  4306.9  4293.7  4280.4
  15     4665.5  4652.3  4639.1  4625.8  4612.6  4599.4  4586.1  4572.9  4559.7
4546.4   4533.2  4520.0  4506.7  4493.5  4480.2
         4467.0  4453.8  4440.5  4427.3  4414.1  4400.8  4387.6  4374.4  4361.1
4347.9   4334.7  4321.4  4308.2  4295.0  4281.7
  16     4666.8  4653.6  4640.4  4627.1  4613.9  4600.6  4587.4  4574.2  4561.0
4547.7   4534.5  4521.2  4508.0  4494.8  4481.5
         4468.3  4455.1  4441.8  4428.6  4415.4  4402.1  4388.9  4375.7  4362.4
4349.2   4336.0  4322.7  4309.5  4296.2  4283.0
  17     4668.1  4654.9  4641.6  4628.4  4615.2  4601.9  4588.7  4575.5  4562.2
4549.0   4535.8  4522.5  4509.3  4496.1  4482.8
         4469.6  4456.4  4443.1  4429.9  4416.6  4403.4  4390.2  4376.9  4363.7
4350.5   4337.2  4324.0  4310.8  4297.5  4284.3
  18     4669.4  4656.2  4642.9  4629.7  4616.5  4603.2  4590.0  4576.8  4563.5
4550.3   4537.0  4523.8  4510.6  4497.4  4484.1
         4470.9  4457.6  4444.4  4431.2  4417.9  4404.7  4391.5  4378.2  4365.0
4351.8   4338.5  4325.3  4312.1  4298.8  4285.6
  19     4670.7  4657.5  4644.2  4631.0  4617.8  4604.5  4591.3  4578.0  4564.8
4551.6   4538.3  4525.1  4511.9  4498.6  4485.4
         4472.2  4458.9  4445.7  4432.5  4419.2  4406.0  4392.8  4379.5  4366.3
4353.0   4339.8  4326.6  4313.4  4300.1  4286.9
  20     4672.0  4658.8  4645.5  4632.3  4619.0  4605.8  4592.6  4579.3  4566.1
4552.9   4539.6  4526.4  4513.2  4499.9  4486.7
         4473.5  4460.2  4447.0  4433.8  4420.5  4407.3  4394.0  4380.8  4367.6
4354.3   4341.1  4327.9  4314.6  4301.4  4288.2
  21     4673.3  4660.0  4646.8  4633.6  4620.3  4607.1  4593.9  4580.6  4567.4
4554.2   4540.9  4527.7  4514.5  4501.2  4488.0
         4474.8  4461.5  4448.3  4435.0  4421.8  4408.6  4395.3  4382.1  4368.9
4355.6   4342.4  4329.2  4315.9  4302.7  4289.5
  22     4674.6  4661.3  4648.1  4634.9  4621.6  4608.4  4595.1  4581.9  4568.7
4555.5   4542.2  4529.0  4515.7  4502.5  4489.3
         4476.0  4462.8  4449.6  4436.3  4423.1  4409.9  4396.6  4383.4  4370.2
4356.9   4343.7  4330.5  4317.2  4304.0  4290.8
  23     4675.9  4662.6  4649.4  4636.1  4622.9  4609.7  4596.4  4583.2  4570.0
4556.7   4543.5  4530.3  4517.0  4503.8  4490.6
         4477.3  4464.1  4450.9  4437.6  4424.4  4411.1  4397.9  4384.7  4371.5
4358.2   4345.0  4331.7  4318.5  4305.3  4292.0
  24     4677.1  4663.9  4650.7  4637.4  4624.2  4611.0  4597.7  4584.5  4571.3
4558.0   4544.8  4531.6  4518.3  4505.1  4491.9
         4478.6  4465.4  4452.1  4438.9  4425.7  4412.4  4399.2  4386.0  4372.7
4359.5   4346.3  4333.0  4319.8  4306.6  4293.3
  25     4678.4  4665.2  4652.0  4638.7  4625.5  4612.3  4599.0  4585.8  4572.5
```

```
4559.3  4546.1  4532.8  4519.6  4506.4  4493.1
       4479.9  4466.7  4453.4  4440.2  4427.0  4413.7  4400.5  4387.3  4374.0
4360.8  4347.5  4334.3  4321.1  4307.9  4294.6
  26   4679.7  4666.5  4653.2  4640.0  4626.8  4613.5  4600.3  4587.1  4573.8
4560.6  4547.4  4534.1  4520.9  4507.7  4494.4
       4481.2  4468.0  4454.7  4441.5  4428.2  4415.0  4401.8  4388.5  4375.3
4362.1  4348.8  4335.6  4322.4  4309.1  4295.9
  27   4682.0  4668.8  4655.5  4642.3  4629.1  4615.8  4602.6  4589.4  4576.1
4562.9  4549.7  4536.4  4523.2  4510.0  4496.7
       4483.5  4470.2  4457.0  4443.8  4430.5  4417.3  4404.1  4390.8  4377.6
4364.4  4351.1  4337.9  4324.7  4311.4  4298.2
  28   4684.3  4671.1  4657.8  4644.6  4631.4  4618.1  4604.9  4591.6  4578.4
4565.2  4552.0  4538.7  4525.5  4512.2  4499.0
       4485.8  4472.5  4459.3  4446.1  4432.8  4419.6  4406.4  4393.1  4379.9
4366.7  4353.4  4340.2  4327.0  4313.7  4300.5
  29   4686.6  4673.4  4660.1  4646.9  4633.6  4620.4  4607.2  4593.9  4580.7
4567.5  4554.2  4541.0  4527.8  4514.5  4501.3
       4488.1  4474.8  4461.6  4448.4  4435.1  4421.9  4408.6  4395.4  4382.2
4369.0  4355.7  4342.5  4329.2  4316.0  4302.8
  30   4688.9  4675.6  4662.4  4649.2  4635.9  4622.7  4609.5  4596.2  4583.0
4569.8  4556.5  4543.3  4530.1  4516.8  4503.6
       4490.4  4477.1  4463.9  4450.6  4437.4  4424.2  4410.9  4397.7  4384.5
4371.2  4358.0  4344.8  4331.5  4318.3  4305.1
  31   4691.2  4677.9  4664.7  4651.5  4638.2  4625.0  4611.8  4598.5  4585.3
4572.0  4558.8  4545.6  4532.4  4519.1  4505.9
       4492.6  4479.4  4466.2  4452.9  4439.7  4426.5  4413.2  4400.0  4386.8
4373.5  4360.3  4347.1  4333.8  4320.6  4307.4


             MODEL LAYER BOTTOM EL. FOR LAYER   2
 READING ON UNIT   10 WITH FORMAT: (10F8.2)

        1       2       3       4       5       6       7       8       9      10
    11      12      13      14      15
       16      17      18      19      20      21      22      23      24      25
    26      27      28      29      30

..............................................................................
.......................................
   1   4547.5  4534.2  4521.0  4507.8  4494.5  4481.3  4468.1  4454.8  4441.6
4428.4  4415.1  4401.9  4388.7  4375.4  4362.2
       4349.0  4335.7  4322.5  4309.3  4296.0  4282.8  4269.5  4256.3  4243.1
4229.9  4216.6  4203.4  4190.1  4176.9  4163.7
   2   4548.8  4535.5  4522.3  4509.1  4495.8  4482.6  4469.4  4456.1  4442.9
4429.7  4416.4  4403.2  4390.0  4376.7  4363.5
       4350.2  4337.0  4323.8  4310.5  4297.3  4284.1  4270.8  4257.6  4244.4
4231.1  4217.9  4204.7  4191.4  4178.2  4165.0
   3   4550.1  4536.8  4523.6  4510.4  4497.1  4483.9  4470.6  4457.4  4444.2
4431.0  4417.7  4404.5  4391.2  4378.0  4364.8
       4351.5  4338.3  4325.1  4311.8  4298.6  4285.4  4272.1  4258.9  4245.7
4232.4  4219.2  4206.0  4192.7  4179.5  4166.2
   4   4551.4  4538.1  4524.9  4511.6  4498.4  4485.2  4471.9  4458.7  4445.5
4432.2  4419.0  4405.8  4392.5  4379.3  4366.1
       4352.8  4339.6  4326.4  4313.1  4299.9  4286.6  4273.4  4260.2  4247.0
4233.7  4220.5  4207.2  4194.0  4180.8  4167.5
   5   4552.6  4539.4  4526.2  4512.9  4499.7  4486.5  4473.2  4460.0  4446.8
4433.5  4420.3  4407.1  4393.8  4380.6  4367.4
       4354.1  4340.9  4327.6  4314.4  4301.2  4287.9  4274.7  4261.5  4248.2
4235.0  4221.8  4208.5  4195.3  4182.1  4168.8
   6   4553.9  4540.7  4527.5  4514.2  4501.0  4487.8  4474.5  4461.3  4448.0
4434.8  4421.6  4408.4  4395.1  4381.9  4368.6
       4355.4  4342.2  4328.9  4315.7  4302.5  4289.2  4276.0  4262.8  4249.5
```

```
4236.3  4223.1  4209.8  4196.6  4183.4  4170.1
  7    4555.2  4542.0  4528.8  4515.5  4502.3  4489.0  4475.8  4462.6  4449.3
4436.1  4422.9  4409.6  4396.4  4383.2  4369.9
       4356.7  4343.5  4330.2  4317.0  4303.8  4290.5  4277.3  4264.0  4250.8
4237.6  4224.4  4211.1  4197.9  4184.6  4171.4
  8    4556.5  4543.3  4530.0  4516.8  4503.6  4490.3  4477.1  4463.9  4450.6
4437.4  4424.2  4410.9  4397.7  4384.5  4371.2
       4358.0  4344.8  4331.5  4318.3  4305.0  4291.8  4278.6  4265.3  4252.1
4238.9  4225.6  4212.4  4199.2  4185.9  4172.7
  9    4557.8  4544.6  4531.3  4518.1  4504.9  4491.6  4478.4  4465.2  4451.9
4438.7  4425.5  4412.2  4399.0  4385.8  4372.5
       4359.3  4346.0  4332.8  4319.6  4306.3  4293.1  4279.9  4266.6  4253.4
4240.2  4226.9  4213.7  4200.5  4187.2  4174.0
 10    4559.1  4545.9  4532.6  4519.4  4506.1  4492.9  4479.7  4466.5  4453.2
4440.0  4426.7  4413.5  4400.3  4387.0  4373.8
       4360.6  4347.3  4334.1  4320.9  4307.6  4294.4  4281.1  4267.9  4254.7
4241.5  4228.2  4215.0  4201.7  4188.5  4175.3
 11    4560.4  4547.1  4533.9  4520.7  4507.4  4494.2  4481.0  4467.7  4454.5
4441.3  4428.0  4414.8  4401.6  4388.3  4375.1
       4361.9  4348.6  4335.4  4322.1  4308.9  4295.7  4282.4  4269.2  4256.0
4242.7  4229.5  4216.3  4203.0  4189.8  4176.6
 12    4561.7  4548.4  4535.2  4522.0  4508.7  4495.5  4482.3  4469.0  4455.8
4442.5  4429.3  4416.1  4402.9  4389.6  4376.4
       4363.1  4349.9  4336.7  4323.4  4310.2  4297.0  4283.7  4270.5  4257.3
4244.0  4230.8  4217.6  4204.3  4191.1  4177.9
 13    4563.0  4549.7  4536.5  4523.2  4510.0  4496.8  4483.5  4470.3  4457.1
4443.8  4430.6  4417.4  4404.1  4390.9  4377.7
       4364.4  4351.2  4338.0  4324.7  4311.5  4298.3  4285.0  4271.8  4258.5
4245.3  4232.1  4218.9  4205.6  4192.4  4179.1
 14    4564.2  4551.0  4537.8  4524.5  4511.3  4498.1  4484.8  4471.6  4458.4
4445.1  4431.9  4418.7  4405.4  4392.2  4379.0
       4365.7  4352.5  4339.2  4326.0  4312.8  4299.5  4286.3  4273.1  4259.8
4246.6  4233.4  4220.1  4206.9  4193.7  4180.4
 15    4565.5  4552.3  4539.1  4525.8  4512.6  4499.4  4486.1  4472.9  4459.7
4446.4  4433.2  4420.0  4406.7  4393.5  4380.2
       4367.0  4353.8  4340.5  4327.3  4314.1  4300.8  4287.6  4274.4  4261.1
4247.9  4234.7  4221.4  4208.2  4195.0  4181.7
 16    4566.8  4553.6  4540.4  4527.1  4513.9  4500.6  4487.4  4474.2  4461.0
4447.7  4434.5  4421.2  4408.0  4394.8  4381.5
       4368.3  4355.1  4341.8  4328.6  4315.4  4302.1  4288.9  4275.7  4262.4
4249.2  4236.0  4222.7  4209.5  4196.2  4183.0
 17    4568.1  4554.9  4541.6  4528.4  4515.2  4501.9  4488.7  4475.5  4462.2
4449.0  4435.8  4422.5  4409.3  4396.1  4382.8
       4369.6  4356.4  4343.1  4329.9  4316.6  4303.4  4290.2  4276.9  4263.7
4250.5  4237.2  4224.0  4210.8  4197.5  4184.3
 18    4569.4  4556.2  4542.9  4529.7  4516.5  4503.2  4490.0  4476.8  4463.5
4450.3  4437.0  4423.8  4410.6  4397.4  4384.1
       4370.9  4357.6  4344.4  4331.2  4317.9  4304.7  4291.5  4278.2  4265.0
4251.8  4238.5  4225.3  4212.1  4198.8  4185.6
 19    4570.7  4557.5  4544.2  4531.0  4517.8  4504.5  4491.3  4478.0  4464.8
4451.6  4438.3  4425.1  4411.9  4398.6  4385.4
       4372.2  4358.9  4345.7  4332.5  4319.2  4306.0  4292.8  4279.5  4266.3
4253.0  4239.8  4226.6  4213.4  4200.1  4186.9
 20    4572.0  4558.8  4545.5  4532.3  4519.0  4505.8  4492.6  4479.3  4466.1
4452.9  4439.6  4426.4  4413.2  4399.9  4386.7
       4373.5  4360.2  4347.0  4333.8  4320.5  4307.3  4294.0  4280.8  4267.6
4254.3  4241.1  4227.9  4214.6  4201.4  4188.2
 21    4573.3  4560.0  4546.8  4533.6  4520.3  4507.1  4493.9  4480.6  4467.4
4454.2  4440.9  4427.7  4414.5  4401.2  4388.0
       4374.8  4361.5  4348.3  4335.0  4321.8  4308.6  4295.3  4282.1  4268.9
4255.6  4242.4  4229.2  4215.9  4202.7  4189.5
 22    4574.6  4561.3  4548.1  4534.9  4521.6  4508.4  4495.1  4481.9  4468.7
4455.5  4442.2  4429.0  4415.7  4402.5  4389.3
```

```
       4376.0  4362.8  4349.6  4336.3  4323.1  4309.9  4296.6  4283.4  4270.2
4256.9  4243.7  4230.5  4217.2  4204.0  4190.8
  23   4575.9  4562.6  4549.4  4536.1  4522.9  4509.7  4496.4  4483.2  4470.0
4456.7  4443.5  4430.3  4417.0  4403.8  4390.6
       4377.3  4364.1  4350.9  4337.6  4324.4  4311.1  4297.9  4284.7  4271.5
4258.2  4245.0  4231.7  4218.5  4205.3  4192.0
  24   4577.1  4563.9  4550.7  4537.4  4524.2  4511.0  4497.7  4484.5  4471.3
4458.0  4444.8  4431.6  4418.3  4405.1  4391.9
       4378.6  4365.4  4352.1  4338.9  4325.7  4312.4  4299.2  4286.0  4272.7
4259.5  4246.3  4233.0  4219.8  4206.6  4193.3
  25   4578.4  4565.2  4552.0  4538.7  4525.5  4512.3  4499.0  4485.8  4472.5
4459.3  4446.1  4432.8  4419.6  4406.4  4393.1
       4379.9  4366.7  4353.4  4340.2  4327.0  4313.7  4300.5  4287.3  4274.0
4260.8  4247.5  4234.3  4221.1  4207.9  4194.6
  26   4579.7  4566.5  4553.2  4540.0  4526.8  4513.5  4500.3  4487.1  4473.8
4460.6  4447.4  4434.1  4420.9  4407.7  4394.4
       4381.2  4368.0  4354.7  4341.5  4328.2  4315.0  4301.8  4288.5  4275.3
4262.1  4248.8  4235.6  4222.4  4209.1  4195.9
  27   4582.0  4568.8  4555.5  4542.3  4529.1  4515.8  4502.6  4489.4  4476.1
4462.9  4449.7  4436.4  4423.2  4410.0  4396.7
       4383.5  4370.2  4357.0  4343.8  4330.5  4317.3  4304.1  4290.8  4277.6
4264.4  4251.1  4237.9  4224.7  4211.4  4198.2
  28   4584.3  4571.1  4557.8  4544.6  4531.4  4518.1  4504.9  4491.6  4478.4
4465.2  4452.0  4438.7  4425.5  4412.2  4399.0
       4385.8  4372.5  4359.3  4346.1  4332.8  4319.6  4306.4  4293.1  4279.9
4266.7  4253.4  4240.2  4227.0  4213.7  4200.5
  29   4586.6  4573.4  4560.1  4546.9  4533.6  4520.4  4507.2  4493.9  4480.7
4467.5  4454.2  4441.0  4427.8  4414.5  4401.3
       4388.1  4374.8  4361.6  4348.4  4335.1  4321.9  4308.6  4295.4  4282.2
4269.0  4255.7  4242.5  4229.2  4216.0  4202.8
  30   4588.9  4575.6  4562.4  4549.2  4535.9  4522.7  4509.5  4496.2  4483.0
4469.8  4456.5  4443.3  4430.1  4416.8  4403.6
       4390.4  4377.1  4363.9  4350.6  4337.4  4324.2  4310.9  4297.7  4284.5
4271.2  4258.0  4244.8  4231.5  4218.3  4205.1
  31   4591.2  4577.9  4564.7  4551.5  4538.2  4525.0  4511.8  4498.5  4485.3
4472.0  4458.8  4445.6  4432.4  4419.1  4405.9
       4392.6  4379.4  4366.2  4352.9  4339.7  4326.5  4313.2  4300.0  4286.8
4273.5  4260.3  4247.1  4233.8  4220.6  4207.4

 STRESS PERIOD     LENGTH       TIME STEPS     MULTIPLIER FOR DELT    SS FLAG
 ----------------------------------------------------------------------------
        1         365.0000          1                    1.000         SS
        2         7300.000         60                    1.000         TR
        3         7300.000         60                    1.000         TR
        4         7300.000         60                    1.000         TR
        5         7300.000         60                    1.000         TR
        6         7300.000         60                    1.000         TR

 COMBINED STEADY-STATE AND TRANSIENT SIMULATION



 # Ground Water Modeling For Colorado City/Hildale
 # July 2015 Sunrise Engineering, Inc.



                     BOUNDARY ARRAY FOR LAYER   1
 READING ON UNIT   95 WITH FORMAT: (30I2)

        1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16  17  18  19
```

```
20   21   22   23   24   25   26   27   28   29   30

.............................................................................
.....................................
    1    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
0    0    0    0    0    0    0    0    0    1    1
    2    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
0    0    0    0    0    0    0    0    1    1    1
    3    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
0    0    0    0    0    0    0    0    1    1    1
    4    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
0    0    0    0    0    0    0    0    1    1    1
    5    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
0    0    1    1    1    1    1    1    1    1    1
    6    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
0    0    1    1    1    1    1    1    1    1    1
    7    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
1    1    1    1    1    1    1    1    1    1    1
    8    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    1    1
1    1    1    1    1    1    1    1    1    1    1
    9    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    1    1    1
1    1    1    1    1    1    1    1    1    1    1
   10    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    1    1    1    1
1    1    1    1    1    1    1    1    1    1    1
   11    0    0    0    0    0    0    0    0    0    0    0    0    0    0    1    1    1    1    1
1    1    1    1    1    1    1    1    1    1    1
   12    0    0    0    0    0    0    0    0    0    0    0    0    0    0    1    1    1    1    1
1    1    1    1    1    1    1    1    1    1    1
   13    0    0    0    0    0    0    0    0    0    0    0    0    1    1    1    1    1    1    1
1    1    1    1    1    1    1    1    1    1    1
   14    0    0    0    0    0    0    0    0    0    0    0    1    1    1    1    1    1    1    1
1    1    1    1    1    1    1    1    1    1    1
   15    0    0    0    0    0    0    0    1    1    1    1    1    1    1    1    1    1    1    1
1    1    1    1    1    1    1    1    1    1    1
   16    0    0    0    0    0    0    1    1    1    1    1    1    1    1    1    1    1    1    1
1    1    1    1    1    1    1    1    1    1    1
   17    0    0    0    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
1    1    1    1    1    1    1    1    1    1    1
   18    0    0    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
1    1    1    1    1    1    1    1    1    0    0
   19    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
1    1    1    1    1    1    1    1    1    0    0
   20    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
1    1    1    1    1    1    0    0    0    0    0
   21    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
1    1    0    0    0    0    0    0    0    0    0
   22    1    1    1    1    1    1    1    1    1    1    1    1    1    1    0    0    0    0    0
0    0    0    0    0    0    0    0    0    0    0
   23    1    1    1    1    1    1    1    1    1    1    1    0    0    0    0    0    0    0    0
0    0    0    0    0    0    0    0    0    0    0
   24    1    1    1    1    1    1    1    1    1    1    0    0    0    0    0    0    0    0    0
0    0    0    0    0    0    0    0    0    0    0
   25    1    1    1    1    1    1    1    0    0    0    0    0    0    0    0    0    0    0    0
0    0    0    0    0    0    0    0    0    0    0
   26    1    1    1    1    1    0    0    0    0    0    0    0    0    0    0    0    0    0    0
0    0    0    0    0    0    0    0    0    0    0
   27    1    1    1    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
0    0    0    0    0    0    0    0    0    0    0
   28    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
0    0    0    0    0    0    0    0    0    0    0
   29    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
0    0    0    0    0    0    0    0    0    0    0
   30    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0
```

```
0   0   0   0   0   0   0   0   0   0   0
  31    0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
0   0   0   0   0   0   0   0   0   0   0

          BOUNDARY ARRAY =             1 FOR LAYER   2

 AQUIFER HEAD WILL BE SET TO   999.99     AT ALL NO-FLOW NODES (IBOUND=0).

            INITIAL HEAD =   5000.00     FOR LAYER   1

            INITIAL HEAD =   4900.00     FOR LAYER   2

 OUTPUT CONTROL IS SPECIFIED ONLY AT TIME STEPS FOR WHICH OUTPUT IS DESIRED
 HEAD PRINT FORMAT CODE IS  20    DRAWDOWN PRINT FORMAT CODE IS   0
 HEADS WILL BE SAVED ON UNIT    0    DRAWDOWNS WILL BE SAVED ON UNIT    0

 BCF -- BLOCK-CENTERED FLOW PACKAGE, VERSION 7, 5/2/2005
         INPUT READ FROM UNIT 11
 TRANSIENT SIMULATION
 HEAD AT CELLS THAT CONVERT TO DRY=   99.990
 WETTING CAPABILITY IS NOT ACTIVE
      LAYER  LAYER-TYPE CODE     INTERBLOCK T
      --------------------------------------------
         1            1          0 -- HARMONIC
         2            0          0 -- HARMONIC

 COLUMN TO ROW ANISOTROPY =  1.000000

     PRIMARY STORAGE COEF =  0.250000     FOR LAYER   1

    HYD. COND. ALONG ROWS =   32.0000     FOR LAYER   1

 VERT HYD COND /THICKNESS =  1.000000E-08 FOR LAYER   1

     PRIMARY STORAGE COEF =  1.000000E-05 FOR LAYER   2

     TRANSMIS. ALONG ROWS =   1100.00     FOR LAYER   2

 WEL -- WELL PACKAGE, VERSION 7, 5/2/2005 INPUT READ FROM UNIT   12
 # WELL PACKAGE
 No named parameters
 MAXIMUM OF     32 ACTIVE WELLS AT ONE TIME


     0 Well parameters

 GHB -- GENERAL-HEAD BOUNDARY PACKAGE, VERSION 7, 5/2/2005
         INPUT READ FROM UNIT   21
 # GENERAL HEAD BOUNDARY PACKAGE
 No named parameters
 MAXIMUM OF    145 ACTIVE GHB CELLS AT ONE TIME


     0 GHB parameters

 RCH -- RECHARGE PACKAGE, VERSION 7, 5/2/2005 INPUT READ FROM UNIT   18
 # RECHARGE PACKAGE (RCH)
 No named parameters
 OPTION 1 -- RECHARGE TO TOP LAYER


     0 Recharge parameters
```

```
SIP -- STRONGLY-IMPLICIT PROCEDURE SOLUTION PACKAGE
                   VERSION 7, 5/2/2005 INPUT READ FROM UNIT   19
# SIP FILE
MAXIMUM OF 150 ITERATIONS ALLOWED FOR CLOSURE
 5 ITERATION PARAMETERS

         SOLUTION BY THE STRONGLY IMPLICIT PROCEDURE
         -------------------------------------------
MAXIMUM ITERATIONS ALLOWED FOR CLOSURE =      150
                ACCELERATION PARAMETER =    1.00000
     HEAD CHANGE CRITERION FOR CLOSURE =    0.10000E-02
     SIP HEAD CHANGE PRINTOUT INTERVAL =        1

    CALCULATE ITERATION PARAMETERS FROM MODEL CALCULATED WSEED
1
                           STRESS PERIOD NO.    1, LENGTH =   365.0000
                           ----------------------------------------------

                             NUMBER OF TIME STEPS =     1

                              MULTIPLIER FOR DELT =     1.000

                           INITIAL TIME STEP SIZE =   365.0000

WELL NO.  LAYER   ROW   COL   STRESS RATE
--------------------------------------------------
     1      1      14     19      -3224.
     2      1      16     19     -0.1096E+05
     3      1      17     19     -0.1934E+05
     4      1      18     18      -7738.
     5      1      19     19     -0.1934E+05
     6      1      20     19     -0.1934E+05
     7      2      10     17     -0.1032E+05
     8      2      14     15     -0.1870E+05
     9      2      15     19     -0.2708E+05
    10      2      19     19     -0.2386E+05
    11      1      14     24      -200.0
    12      1      16     24      -200.0
    13      1       3     30      -200.0
    14      1      14     27      -200.0

    14 WELLS

BOUND. NO. LAYER   ROW   COL     STAGE      CONDUCTANCE
----------------------------------------------------------------
     1      1       1     29      5013.          180.0
     2      1       1     30      5015.          180.0
     3      1       2     30      5013.          180.0
     4      1       3     30      5008.          180.0
     5      1       4     30      4997.          180.0
     6      1       5     30      4992.          180.0
     7      1       6     30      4986.          180.0
     8      1       7     30      4979.          180.0
     9      1       8     30      4973.          180.0
    10      1       9     30      4968.          180.0
    11      1      10     30      4960.          180.0
    12      1      11     30      4955.          180.0
    13      1      12     30      4949.          180.0
    14      1      13     30      4944.          180.0
    15      1      14     30      4938.          180.0
    16      1      15     30      4933.          180.0
    17      1      16     30      4925.          180.0
    18      1      17     30      4924.          180.0
```

19	1	19	1	4794.	180.0
20	1	20	1	4798.	180.0
21	1	21	1	4798.	180.0
22	1	22	1	4797.	180.0
23	1	23	1	4789.	180.0
24	1	24	1	4781.	180.0
25	1	25	1	4777.	180.0
26	1	26	1	4773.	180.0
27	1	27	1	4765.	180.0
28	2	1	1	4375.	100.00
29	2	2	1	4365.	100.00
30	2	3	1	4395.	100.00
31	2	4	1	4405.	100.00
32	2	5	1	4415.	100.00
33	2	6	1	4425.	100.00
34	2	7	1	4435.	100.00
35	2	8	1	4445.	100.00
36	2	9	1	4455.	100.00
37	2	10	1	4465.	100.00
38	2	11	1	4475.	100.00
39	2	12	1	4485.	100.00
40	2	13	1	4495.	100.00
41	2	14	1	4505.	100.00
42	2	15	1	4515.	100.00
43	2	16	1	4525.	100.00
44	2	17	1	4535.	100.00
45	2	18	1	4545.	100.00
46	2	19	1	4555.	100.00
47	2	20	1	4565.	100.00
48	2	21	1	4575.	100.00
49	2	22	1	4585.	100.00
50	2	23	1	4595.	100.00
51	2	24	1	4605.	100.00
52	2	25	1	4615.	100.00
53	2	26	1	4625.	100.00
54	2	27	1	4635.	100.00
55	2	28	1	4645.	100.00
56	2	29	1	4655.	100.00
57	2	30	1	4665.	100.00
58	2	31	1	4675.	100.00
59	2	1	30	4602.	100.00
60	2	2	30	4612.	100.00
61	2	3	30	4622.	100.00
62	2	4	30	4632.	100.00
63	2	5	30	4642.	100.00
64	2	6	30	4652.	100.00
65	2	7	30	4662.	100.00
66	2	8	30	4672.	100.00
67	2	9	30	4682.	100.00
68	2	10	30	4692.	100.00
69	2	11	30	4702.	100.00
70	2	12	30	4712.	100.00
71	2	13	30	4722.	100.00
72	2	14	30	4732.	100.00
73	2	15	30	4742.	100.00
74	2	16	30	4752.	100.00
75	2	17	30	4762.	100.00
76	2	18	30	4772.	100.00
77	2	19	30	4782.	100.00
78	2	20	30	4792.	100.00
79	2	21	30	4802.	100.00
80	2	22	30	4812.	100.00
81	2	23	30	4822.	100.00

82	2	24	30	4832.	100.00
83	2	25	30	4842.	100.00
84	2	26	30	4852.	100.00
85	2	27	30	4862.	100.00
86	2	28	30	4872.	100.00
87	2	29	30	4882.	100.00
88	2	30	30	4892.	100.00
89	2	31	30	4902.	100.00
90	2	1	2	4353.	100.00
91	2	1	3	4359.	100.00
92	2	1	4	4365.	100.00
93	2	1	5	4371.	100.00
94	2	1	6	4377.	100.00
95	2	1	7	4383.	100.00
96	2	1	8	4388.	100.00
97	2	1	9	4394.	100.00
98	2	1	10	4400.	100.00
99	2	1	11	4406.	100.00
100	2	1	12	4412.	100.00
101	2	1	13	4418.	100.00
102	2	1	14	4424.	100.00
103	2	1	15	4430.	100.00
104	2	1	16	4436.	100.00
105	2	1	17	4441.	100.00
106	2	1	18	4447.	100.00
107	2	1	19	4453.	100.00
108	2	1	20	4459.	100.00
109	2	1	21	4465.	100.00
110	2	1	22	4471.	100.00
111	2	1	23	4477.	100.00
112	2	1	24	4483.	100.00
113	2	1	25	4489.	100.00
114	2	1	26	4495.	100.00
115	2	1	27	4500.	100.00
116	2	1	28	4506.	100.00
117	2	1	29	4512.	100.00
118	2	31	2	4827.	100.00
119	2	31	3	4833.	100.00
120	2	31	4	4839.	100.00
121	2	31	5	4845.	100.00
122	2	31	6	4850.	100.00
123	2	31	7	4856.	100.00
124	2	31	8	4862.	100.00
125	2	31	9	4868.	100.00
126	2	31	10	4874.	100.00
127	2	31	11	4880.	100.00
128	2	31	12	4886.	100.00
129	2	31	13	4892.	100.00
130	2	31	14	4898.	100.00
131	2	31	15	4904.	100.00
132	2	31	16	4909.	100.00
133	2	31	17	4915.	100.00
134	2	31	18	4921.	100.00
135	2	31	19	4927.	100.00
136	2	31	20	4933.	100.00
137	2	31	21	4939.	100.00
138	2	31	22	4945.	100.00
139	2	31	23	4951.	100.00
140	2	31	24	4957.	100.00
141	2	31	25	4962.	100.00
142	2	31	26	4968.	100.00
143	2	31	27	4974.	100.00
144	2	31	28	4980.	100.00

```
    145       2     31      29       4986.          100.00

    145 GHB CELLS



                                    RECHARGE
 READING ON UNIT   18 WITH FORMAT: (10F8.5)

          1       2       3       4       5       6       7       8       9      10
     11      12      13      14      15
         16      17      18      19      20      21      22      23      24      25
     26      27      28      29      30

..................................................................................
.......................................
   1      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   2      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   3      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   4      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   5      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   6      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   7      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   8      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   9      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  10      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  11      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  12      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
```

```
0.0       0.0       0.0       0.0       0.0       0.0
  13        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  14        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  15        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  16        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  17        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  18        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  19        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  20        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  21        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  22        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  23        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  24        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  25        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  26        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  27        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  28        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
```

```
               0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  29           0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
               0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  30           0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
               0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  31           0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
               0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0

 SOLVING FOR HEAD

 AVERAGE SEED = 0.00109248
 MINIMUM SEED = 0.00000020

     5 ITERATION PARAMETERS CALCULATED FROM AVERAGE SEED:

  0.000000E+00 0.818196E+00 0.966947E+00 0.993991E+00 0.998908E+00

    76 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD    1

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE    HEAD CHANGE    HEAD CHANGE    HEAD CHANGE    HEAD CHANGE
  LAYER,ROW,COL  LAYER,ROW,COL  LAYER,ROW,COL  LAYER,ROW,COL  LAYER,ROW,COL
 --------------------------------------------------------------------------
     -81.77         -88.99         -124.4         -163.7         -150.5
  (  2,  1,  1) (  2,  2,  2) (  2,  2,  2) (  2,  6,  7) (  2, 11, 14)
     -4.714          4.757         -8.073         -8.124         -28.16
  (  2,  1, 30) (  2,  1,  1) (  1, 27,  3) (  2, 26,  5) (  1, 25,  7)
      2.389         -1.901         -2.955         -10.54         -4.400
  (  1,  1, 29) (  1, 27,  1) (  1, 20,  1) (  1, 26,  5) (  1, 19,  1)
     -1.547         -1.098         -3.427         -2.811         -12.70
  (  1, 27,  3) (  1, 26,  1) (  1, 27,  3) (  1, 18,  3) (  1, 23, 11)
      1.059        -0.9038         -1.392         -4.783         -2.079
  (  1,  1, 29) (  1, 27,  1) (  1, 19,  1) (  1, 26,  5) (  1, 19,  1)
    -0.7260        -0.4988         -1.534         -1.227         -5.040
  (  1, 20, 22) (  1, 26,  1) (  1, 26,  4) (  1, 17,  4) (  1, 23, 11)
    -0.4613        -0.3887        -0.5811         -1.829        -0.8141
  (  1, 19,  1) (  1, 27,  1) (  1, 19,  1) (  1, 26,  5) (  1, 19,  1)
    -0.2691        -0.1925        -0.5630        -0.4206         -1.526
  (  1, 27,  3) (  1, 26,  1) (  1, 26,  4) (  1, 18,  3) (  1, 23, 11)
    -0.1573        -0.1302        -0.1858        -0.5371        -0.2396
  (  1, 19,  1) (  1, 27,  1) (  1, 20,  1) (  1, 26,  5) (  1, 19,  1)
    -0.8096E-01    -0.5700E-01    -0.1585        -0.1108        -0.3693
  (  1, 27,  3) (  1, 26,  1) (  1, 27,  3) (  1, 18,  3) (  1, 25,  7)
    -0.4020E-01    -0.3389E-01    -0.4660E-01    -0.1282        -0.5681E-01
  (  1, 19,  1) (  1, 27,  1) (  1, 20,  1) (  1, 26,  5) (  1, 19,  1)
    -0.1963E-01    -0.1365E-01    -0.3688E-01    -0.2493E-01    -0.8062E-01
  (  1, 27,  3) (  1, 26,  1) (  1, 27,  3) (  1, 19,  1) (  1, 25,  7)
    -0.8868E-02    -0.7581E-02    -0.1024E-01    -0.2765E-01    -0.1221E-01
  (  1, 19,  1) (  1, 27,  1) (  1, 20,  1) (  1, 26,  5) (  1, 19,  1)
    -0.4261E-02    -0.2948E-02    -0.7880E-02    -0.5272E-02    -0.1687E-01
  (  1, 27,  3) (  1, 26,  1) (  1, 27,  3) (  1, 19,  1) (  1, 25,  7)
    -0.1860E-02    -0.1598E-02    -0.2148E-02    -0.5764E-02    -0.2543E-02
  (  1, 19,  1) (  1, 27,  1) (  1, 20,  1) (  1, 26,  5) (  1, 19,  1)
    -0.8904E-03
  (  1, 27,  3)
```

```
 OUTPUT CONTROL FOR STRESS PERIOD    1   TIME STEP    1
    PRINT HEAD FOR ALL LAYERS
1
            HEAD IN LAYER   1 AT END OF TIME STEP   1 IN STRESS PERIOD    1
  ---------------------------------------------------------------------------

              1           2           3           4           5           6
              7           8           9          10          11          12
             13          14          15          16          17          18
             19          20          21          22          23          24
             25          26          27          28          29          30
 ..........................................................................
   1      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       5003.       5004.
   2      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       4993.       4997.       5000.
   3      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       4990.       4992.       4995.
   4      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       4985.       4987.       4989.
   5      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       4956.       4957.       4960.
          4963.       4967.       4972.       4978.       4981.       4984.
   6      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       4954.       4956.       4959.
          4962.       4965.       4969.       4973.       4976.       4979.
   7      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       4946.       4948.       4952.       4954.       4957.
          4960.       4964.       4967.       4970.       4973.       4975.
   8      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       4939.
          4940.       4944.       4947.       4950.       4953.       4956.
          4959.       4962.       4965.       4967.       4969.       4971.
   9      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       4935.       4937.
          4939.       4942.       4945.       4948.       4952.       4955.
          4958.       4961.       4963.       4965.       4966.       4966.
  10      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       4930.       4933.       4935.
          4938.       4940.       4943.       4947.       4950.       4953.
```

	4955.	4957.	4959.	4960.	4961.	4961.
11	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	4926.	4928.	4930.	4933.
	4936.	4939.	4942.	4945.	4948.	4950.
	4951.	4952.	4954.	4955.	4955.	4955.
12	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	4925.	4926.	4928.	4931.
	4934.	4937.	4940.	4942.	4943.	4945.
	4946.	4948.	4949.	4950.	4950.	4951.
13	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	4916.	4918.	4921.	4924.	4926.	4928.
	4931.	4934.	4936.	4938.	4939.	4941.
	4942.	4944.	4945.	4946.	4946.	4946.
14	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	4912.
	4915.	4917.	4919.	4922.	4924.	4925.
	4926.	4929.	4931.	4933.	4935.	4937.
	4939.	4940.	4941.	4942.	4942.	4942.
15	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	4899.	4901.	4903.	4906.	4910.
	4913.	4915.	4918.	4920.	4921.	4921.
	4922.	4924.	4927.	4930.	4932.	4934.
	4936.	4937.	4938.	4939.	4939.	4939.
16	1000.	1000.	1000.	1000.	1000.	1000.
	4895.	4897.	4900.	4903.	4906.	4909.
	4912.	4914.	4915.	4916.	4917.	4916.
	4916.	4920.	4923.	4926.	4929.	4931.
	4933.	4935.	4936.	4937.	4937.	4937.
17	1000.	1000.	1000.	4883.	4885.	4888.
	4893.	4896.	4899.	4902.	4905.	4908.
	4910.	4912.	4912.	4913.	4913.	4912.
	4911.	4916.	4920.	4924.	4926.	4929.
	4931.	4933.	4934.	4935.	4936.	4936.
18	1000.	1000.	4877.	4880.	4884.	4887.
	4891.	4895.	4898.	4901.	4904.	4906.
	4907.	4909.	4910.	4910.	4910.	4909.
	4910.	4914.	4918.	4922.	4924.	4927.
	4929.	4931.	4932.	4933.	1000.	1000.
19	4860.	4867.	4873.	4878.	4882.	4886.
	4890.	4894.	4897.	4899.	4901.	4904.
	4905.	4907.	4908.	4909.	4909.	4908.
	4907.	4912.	4916.	4920.	4923.	4926.
	4928.	4930.	4932.	4932.	1000.	1000.
20	4860.	4866.	4872.	4877.	4881.	4885.
	4889.	4892.	4895.	4897.	4899.	4902.
	4904.	4905.	4907.	4907.	4908.	4907.
	4906.	4911.	4915.	4919.	4922.	4925.
	4926.	1000.	1000.	1000.	1000.	1000.
21	4860.	4865.	4871.	4875.	4880.	4883.
	4887.	4890.	4892.	4895.	4897.	4900.
	4902.	4904.	4906.	4907.	4907.	4908.
	4908.	4911.	4913.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
22	4860.	4864.	4869.	4873.	4877.	4881.
	4884.	4887.	4890.	4893.	4896.	4899.
	4901.	4903.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
23	4858.	4863.	4867.	4871.	4875.	4879.
	4882.	4886.	4889.	4891.	4893.	1000.

```
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
  24      4856.       4860.       4865.       4869.       4873.       4877.
          4880.       4884.       4887.       4889.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
  25      4854.       4858.       4862.       4867.       4870.       4875.
          4877.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
  26      4852.       4857.       4860.       4865.       4868.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
  27      4851.       4855.       4858.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
  28      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
  29      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
  30      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
  31      1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
          1000.       1000.       1000.       1000.       1000.       1000.
1
                HEAD IN LAYER   2 AT END OF TIME STEP   1 IN STRESS PERIOD    1
  ---------------------------------------------------------------------------

              1           2           3           4           5           6
              7           8           9          10          11          12
             13          14          15          16          17          18
             19          20          21          22          23          24
             25          26          27          28          29          30
 ..........................................................................
   1      4448.       4450.       4454.       4458.       4463.       4468.
          4472.       4477.       4482.       4487.       4492.       4497.
          4502.       4507.       4512.       4517.       4522.       4527.
          4532.       4537.       4542.       4547.       4552.       4557.
          4562.       4567.       4571.       4576.       4581.       4586.
   2      4452.       4457.       4462.       4466.       4471.       4476.
          4481.       4485.       4490.       4495.       4500.       4505.
          4510.       4515.       4519.       4524.       4529.       4534.
          4539.       4544.       4549.       4554.       4559.       4564.
          4569.       4573.       4578.       4582.       4586.       4590.
```

3	4459.	4465.	4470.	4474.	4479.	4484.
	4489.	4493.	4498.	4503.	4508.	4513.
	4517.	4522.	4527.	4532.	4537.	4541.
	4546.	4551.	4556.	4561.	4566.	4571.
	4575.	4580.	4584.	4588.	4592.	4596.
4	4467.	4473.	4478.	4483.	4487.	4492.
	4497.	4502.	4506.	4511.	4516.	4520.
	4525.	4530.	4534.	4539.	4544.	4549.
	4554.	4558.	4563.	4568.	4573.	4578.
	4582.	4587.	4591.	4595.	4599.	4602.
5	4475.	4481.	4486.	4491.	4496.	4500.
	4505.	4510.	4514.	4519.	4523.	4528.
	4533.	4537.	4542.	4546.	4551.	4556.
	4561.	4566.	4570.	4575.	4580.	4585.
	4589.	4594.	4598.	4602.	4606.	4609.
6	4484.	4489.	4494.	4499.	4504.	4509.
	4513.	4518.	4522.	4527.	4531.	4536.
	4540.	4545.	4549.	4554.	4558.	4563.
	4568.	4573.	4578.	4582.	4587.	4592.
	4597.	4601.	4605.	4609.	4613.	4617.
7	4493.	4498.	4503.	4507.	4512.	4517.
	4521.	4526.	4530.	4535.	4539.	4543.
	4548.	4552.	4556.	4561.	4565.	4570.
	4575.	4580.	4585.	4590.	4595.	4599.
	4604.	4609.	4613.	4617.	4621.	4625.
8	4501.	4506.	4511.	4516.	4521.	4525.
	4530.	4534.	4539.	4543.	4547.	4551.
	4555.	4559.	4563.	4568.	4572.	4577.
	4582.	4587.	4592.	4597.	4602.	4607.
	4612.	4616.	4621.	4625.	4629.	4633.
9	4510.	4515.	4520.	4525.	4529.	4534.
	4538.	4543.	4547.	4551.	4555.	4559.
	4563.	4567.	4571.	4574.	4578.	4583.
	4589.	4594.	4599.	4604.	4610.	4614.
	4619.	4624.	4628.	4633.	4637.	4641.
10	4519.	4524.	4529.	4533.	4538.	4542.
	4547.	4551.	4555.	4559.	4563.	4567.
	4571.	4574.	4578.	4581.	4583.	4590.
	4596.	4601.	4607.	4612.	4617.	4622.
	4627.	4632.	4637.	4641.	4645.	4649.
11	4528.	4533.	4538.	4542.	4547.	4551.
	4555.	4559.	4564.	4567.	4571.	4575.
	4578.	4582.	4585.	4589.	4592.	4598.
	4603.	4609.	4614.	4620.	4625.	4630.
	4635.	4640.	4645.	4649.	4654.	4658.
12	4537.	4542.	4547.	4551.	4556.	4560.
	4564.	4568.	4572.	4576.	4579.	4583.
	4586.	4589.	4592.	4596.	4600.	4605.
	4610.	4616.	4622.	4627.	4633.	4638.
	4643.	4648.	4653.	4658.	4662.	4667.
13	4547.	4551.	4556.	4560.	4565.	4569.
	4573.	4577.	4581.	4584.	4588.	4591.
	4594.	4596.	4599.	4603.	4608.	4612.
	4617.	4623.	4629.	4635.	4641.	4646.
	4652.	4657.	4662.	4667.	4671.	4675.
14	4556.	4560.	4565.	4569.	4574.	4578.
	4582.	4586.	4590.	4593.	4597.	4600.
	4602.	4604.	4603.	4611.	4615.	4619.
	4623.	4630.	4637.	4643.	4649.	4655.
	4660.	4666.	4671.	4675.	4680.	4684.
15	4565.	4570.	4574.	4579.	4583.	4587.
	4591.	4595.	4599.	4602.	4606.	4609.
	4612.	4614.	4616.	4620.	4624.	4626.

	4625.	4637.	4645.	4652.	4658.	4664.
	4669.	4674.	4680.	4684.	4689.	4694.
16	4575.	4579.	4583.	4588.	4592.	4596.
	4600.	4604.	4608.	4612.	4615.	4618.
	4621.	4624.	4627.	4630.	4634.	4637.
	4640.	4647.	4654.	4661.	4667.	4673.
	4678.	4684.	4689.	4694.	4698.	4703.
17	4584.	4589.	4593.	4597.	4601.	4606.
	4610.	4614.	4617.	4621.	4625.	4628.
	4631.	4634.	4638.	4641.	4644.	4647.
	4651.	4657.	4664.	4670.	4676.	4682.
	4688.	4693.	4698.	4703.	4708.	4712.
18	4594.	4598.	4602.	4607.	4611.	4615.
	4619.	4623.	4627.	4631.	4634.	4638.
	4641.	4645.	4648.	4651.	4654.	4657.
	4660.	4667.	4673.	4680.	4686.	4692.
	4697.	4703.	4708.	4713.	4717.	4722.
19	4603.	4608.	4612.	4616.	4620.	4625.
	4629.	4633.	4637.	4640.	4644.	4648.
	4651.	4655.	4658.	4661.	4664.	4666.
	4666.	4676.	4683.	4690.	4696.	4702.
	4707.	4712.	4717.	4722.	4727.	4732.
20	4613.	4617.	4621.	4626.	4630.	4634.
	4638.	4642.	4646.	4650.	4654.	4658.
	4662.	4665.	4669.	4672.	4676.	4679.
	4682.	4688.	4694.	4700.	4706.	4712.
	4717.	4722.	4727.	4732.	4737.	4742.
21	4622.	4627.	4631.	4635.	4639.	4644.
	4648.	4652.	4656.	4660.	4664.	4668.
	4672.	4676.	4680.	4683.	4687.	4691.
	4695.	4700.	4706.	4711.	4717.	4722.
	4727.	4732.	4737.	4742.	4747.	4752.
22	4632.	4636.	4641.	4645.	4649.	4653.
	4658.	4662.	4666.	4670.	4674.	4678.
	4682.	4686.	4690.	4694.	4698.	4702.
	4707.	4712.	4717.	4722.	4727.	4732.
	4738.	4743.	4747.	4752.	4757.	4762.
23	4642.	4646.	4650.	4654.	4659.	4663.
	4667.	4672.	4676.	4680.	4684.	4689.
	4693.	4697.	4701.	4705.	4709.	4714.
	4718.	4723.	4728.	4733.	4738.	4743.
	4748.	4753.	4758.	4762.	4767.	4772.
24	4651.	4655.	4660.	4664.	4668.	4673.
	4677.	4682.	4686.	4690.	4695.	4699.
	4703.	4707.	4712.	4716.	4720.	4725.
	4729.	4734.	4739.	4744.	4749.	4754.
	4758.	4763.	4768.	4773.	4777.	4782.
25	4661.	4665.	4669.	4674.	4678.	4682.
	4687.	4691.	4696.	4700.	4705.	4709.
	4714.	4718.	4722.	4727.	4731.	4736.
	4740.	4745.	4750.	4755.	4760.	4764.
	4769.	4774.	4778.	4783.	4787.	4792.
26	4670.	4674.	4679.	4683.	4688.	4692.
	4697.	4701.	4706.	4710.	4715.	4720.
	4724.	4729.	4733.	4738.	4742.	4747.
	4751.	4756.	4761.	4766.	4770.	4775.
	4780.	4784.	4789.	4793.	4797.	4802.
27	4679.	4683.	4688.	4692.	4697.	4702.
	4707.	4711.	4716.	4721.	4725.	4730.
	4735.	4739.	4744.	4748.	4753.	4758.
	4762.	4767.	4772.	4777.	4781.	4786.
	4790.	4795.	4799.	4803.	4808.	4812.
28	4688.	4692.	4697.	4702.	4707.	4712.

```
        4716.        4721.        4726.        4731.        4736.        4740.
        4745.        4750.        4754.        4759.        4764.        4769.
        4773.        4778.        4783.        4787.        4792.        4797.
        4801.        4805.        4810.        4814.        4818.        4822.
  29    4696.        4701.        4706.        4711.        4716.        4721.
        4726.        4731.        4736.        4741.        4746.        4751.
        4755.        4760.        4765.        4770.        4775.        4779.
        4784.        4789.        4794.        4798.        4803.        4808.
        4812.        4816.        4820.        4824.        4827.        4831.
  30    4704.        4709.        4715.        4720.        4726.        4731.
        4736.        4741.        4746.        4751.        4756.        4761.
        4766.        4771.        4776.        4781.        4785.        4790.
        4795.        4800.        4805.        4810.        4814.        4819.
        4823.        4827.        4831.        4834.        4837.        4840.
  31    4709.        4717.        4724.        4730.        4736.        4741.
        4746.        4751.        4756.        4761.        4766.        4771.
        4776.        4781.        4786.        4791.        4796.        4801.
        4806.        4811.        4816.        4821.        4825.        4830.
        4834.        4839.        4842.        4845.        4847.        4846.
1
  VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP    1, STRESS PERIOD   1
  ------------------------------------------------------------------------------

     CUMULATIVE VOLUMES      L**3       RATES FOR THIS TIME STEP      L**3/T
     ------------------                 ------------------------

           IN:                                      IN:
           ---                                      ---
             STORAGE =           0.0000               STORAGE =           0.0000
       CONSTANT HEAD =           0.0000         CONSTANT HEAD =           0.0000
               WELLS =           0.0000                 WELLS =           0.0000
     HEAD DEP BOUNDS =   176634480.0000       HEAD DEP BOUNDS =      483930.0625
            RECHARGE =    68834440.0000              RECHARGE =      188587.5000

            TOTAL IN =   245468928.0000              TOTAL IN =      672517.5625

          OUT:                                     OUT:
          ----                                     ----
             STORAGE =           0.0000               STORAGE =           0.0000
       CONSTANT HEAD =           0.0000         CONSTANT HEAD =           0.0000
               WELLS =    58659880.0000                 WELLS =      160712.0000
     HEAD DEP BOUNDS =   186815584.0000       HEAD DEP BOUNDS =      511823.5312
            RECHARGE =           0.0000              RECHARGE =           0.0000

           TOTAL OUT =   245475456.0000             TOTAL OUT =      672535.5000

            IN - OUT =       -6528.0000              IN - OUT =         -17.9375

 PERCENT DISCREPANCY =           -0.00     PERCENT DISCREPANCY =           -0.00




         TIME SUMMARY AT END OF TIME STEP    1 IN STRESS PERIOD    1
                    SECONDS     MINUTES      HOURS       DAYS        YEARS
                    -----------------------------------------------------------
   TIME STEP LENGTH 3.15360E+07 5.25600E+05  8760.0      365.00      0.99932
 STRESS PERIOD TIME 3.15360E+07 5.25600E+05  8760.0      365.00      0.99932
         TOTAL TIME 3.15360E+07 5.25600E+05  8760.0      365.00      0.99932
1
1
```

STRESS PERIOD NO. 2, LENGTH = 7300.000

NUMBER OF TIME STEPS = 60

MULTIPLIER FOR DELT = 1.000

INITIAL TIME STEP SIZE = 121.6667

WELL NO.	LAYER	ROW	COL	STRESS RATE
1	1	14	19	-2585.
2	1	16	19	-8790.
3	1	17	19	-0.1551E+05
4	1	18	18	-6205.
5	1	19	19	-0.1551E+05
6	1	20	19	-0.1551E+05
7	1	14	24	-0.1086E+05
8	2	10	17	-8273.
9	2	14	15	-0.1500E+05
10	2	15	19	-0.2172E+05
11	2	19	19	-0.1913E+05
12	2	5	7	-0.3103E+05
13	2	12	13	-0.1759E+05
14	1	14	24	-200.0
15	1	16	24	-200.0
16	1	3	30	-200.0
17	1	14	27	-200.0

17 WELLS

BOUND. NO.	LAYER	ROW	COL	STAGE	CONDUCTANCE
1	1	1	29	5013.	180.0
2	1	1	30	5015.	180.0
3	1	2	30	5013.	180.0
4	1	3	30	5008.	180.0
5	1	4	30	4997.	180.0
6	1	5	30	4992.	180.0
7	1	6	30	4986.	180.0
8	1	7	30	4979.	180.0
9	1	8	30	4973.	180.0
10	1	9	30	4968.	180.0
11	1	10	30	4960.	180.0
12	1	11	30	4955.	180.0
13	1	12	30	4949.	180.0
14	1	13	30	4944.	180.0
15	1	14	30	4938.	180.0
16	1	15	30	4933.	180.0
17	1	16	30	4925.	180.0
18	1	17	30	4924.	180.0
19	1	19	1	4794.	180.0
20	1	20	1	4798.	180.0
21	1	21	1	4798.	180.0
22	1	22	1	4797.	180.0
23	1	23	1	4789.	180.0
24	1	24	1	4781.	180.0
25	1	25	1	4777.	180.0
26	1	26	1	4773.	180.0
27	1	27	1	4765.	180.0
28	2	1	1	4375.	100.00
29	2	2	1	4365.	100.00
30	2	3	1	4395.	100.00

31	2	4	1	4405.	100.00
32	2	5	1	4415.	100.00
33	2	6	1	4425.	100.00
34	2	7	1	4435.	100.00
35	2	8	1	4445.	100.00
36	2	9	1	4455.	100.00
37	2	10	1	4465.	100.00
38	2	11	1	4475.	100.00
39	2	12	1	4485.	100.00
40	2	13	1	4495.	100.00
41	2	14	1	4505.	100.00
42	2	15	1	4515.	100.00
43	2	16	1	4525.	100.00
44	2	17	1	4535.	100.00
45	2	18	1	4545.	100.00
46	2	19	1	4555.	100.00
47	2	20	1	4565.	100.00
48	2	21	1	4575.	100.00
49	2	22	1	4585.	100.00
50	2	23	1	4595.	100.00
51	2	24	1	4605.	100.00
52	2	25	1	4615.	100.00
53	2	26	1	4625.	100.00
54	2	27	1	4635.	100.00
55	2	28	1	4645.	100.00
56	2	29	1	4655.	100.00
57	2	30	1	4665.	100.00
58	2	31	1	4675.	100.00
59	2	1	30	4602.	100.00
60	2	2	30	4612.	100.00
61	2	3	30	4622.	100.00
62	2	4	30	4632.	100.00
63	2	5	30	4642.	100.00
64	2	6	30	4652.	100.00
65	2	7	30	4662.	100.00
66	2	8	30	4672.	100.00
67	2	9	30	4682.	100.00
68	2	10	30	4692.	100.00
69	2	11	30	4702.	100.00
70	2	12	30	4712.	100.00
71	2	13	30	4722.	100.00
72	2	14	30	4732.	100.00
73	2	15	30	4742.	100.00
74	2	16	30	4752.	100.00
75	2	17	30	4762.	100.00
76	2	18	30	4772.	100.00
77	2	19	30	4782.	100.00
78	2	20	30	4792.	100.00
79	2	21	30	4802.	100.00
80	2	22	30	4812.	100.00
81	2	23	30	4822.	100.00
82	2	24	30	4832.	100.00
83	2	25	30	4842.	100.00
84	2	26	30	4852.	100.00
85	2	27	30	4862.	100.00
86	2	28	30	4872.	100.00
87	2	29	30	4882.	100.00
88	2	30	30	4892.	100.00
89	2	31	30	4902.	100.00
90	2	1	2	4353.	100.00
91	2	1	3	4359.	100.00
92	2	1	4	4365.	100.00
93	2	1	5	4371.	100.00

94	2	1	6	4377.	100.00
95	2	1	7	4383.	100.00
96	2	1	8	4388.	100.00
97	2	1	9	4394.	100.00
98	2	1	10	4400.	100.00
99	2	1	11	4406.	100.00
100	2	1	12	4412.	100.00
101	2	1	13	4418.	100.00
102	2	1	14	4424.	100.00
103	2	1	15	4430.	100.00
104	2	1	16	4436.	100.00
105	2	1	17	4441.	100.00
106	2	1	18	4447.	100.00
107	2	1	19	4453.	100.00
108	2	1	20	4459.	100.00
109	2	1	21	4465.	100.00
110	2	1	22	4471.	100.00
111	2	1	23	4477.	100.00
112	2	1	24	4483.	100.00
113	2	1	25	4489.	100.00
114	2	1	26	4495.	100.00
115	2	1	27	4500.	100.00
116	2	1	28	4506.	100.00
117	2	1	29	4512.	100.00
118	2	31	2	4827.	100.00
119	2	31	3	4833.	100.00
120	2	31	4	4839.	100.00
121	2	31	5	4845.	100.00
122	2	31	6	4850.	100.00
123	2	31	7	4856.	100.00
124	2	31	8	4862.	100.00
125	2	31	9	4868.	100.00
126	2	31	10	4874.	100.00
127	2	31	11	4880.	100.00
128	2	31	12	4886.	100.00
129	2	31	13	4892.	100.00
130	2	31	14	4898.	100.00
131	2	31	15	4904.	100.00
132	2	31	16	4909.	100.00
133	2	31	17	4915.	100.00
134	2	31	18	4921.	100.00
135	2	31	19	4927.	100.00
136	2	31	20	4933.	100.00
137	2	31	21	4939.	100.00
138	2	31	22	4945.	100.00
139	2	31	23	4951.	100.00
140	2	31	24	4957.	100.00
141	2	31	25	4962.	100.00
142	2	31	26	4968.	100.00
143	2	31	27	4974.	100.00
144	2	31	28	4980.	100.00
145	2	31	29	4986.	100.00

145 GHB CELLS

RECHARGE
READING ON UNIT 18 WITH FORMAT: (10F8.5)

```
         1         2         3         4         5         6         7         8         9        10
    11        12        13        14        15
        16        17        18        19        20        21        22        23        24        25
```

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     26       27       28       29       30

.............................................................................
.....................................
   1       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   2       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   3       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   4       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   5       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   6       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   7       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   8       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   9       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  10       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  11       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  12       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  13       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  14       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  15       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
```

```
0.0       0.0       0.0       0.0       0.0       0.0
  16        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  17        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  18        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  19        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  20        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  21        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  22        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  23        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  24        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  25        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  26        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  27        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  28        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  29        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  30        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  31        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
```

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          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0

 SOLVING FOR HEAD

    21 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD    2

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
     -10.20        -3.325        -4.247        -4.335        -3.102
  (  2,  5,  7) (  2,  4,  8) (  2,  6,  8) (  2,  8,  6) (  2, 16,  9)
    -0.1521       -0.2571        0.2223        0.3462       -0.2703
  (  2, 11, 13) (  2, 10, 12) (  2, 12,  2) (  2, 16,  6) (  2, 20, 10)
     0.2239E-01    0.3721E-01    0.5845E-01    0.5350E-01    0.3092E-01
  (  2, 13, 16) (  2, 13, 16) (  2, 14, 17) (  2, 10, 21) (  2,  4, 19)
     0.4150E-02    0.8271E-02   -0.7639E-02    0.2200E-01   -0.8832E-02
  (  2, 19, 21) (  2, 19, 21) (  2,  8, 23) (  2, 14, 16) (  2, 18, 20)
    -0.9078E-03
  (  2, 15, 17)


 NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP    1

 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP   2 IN STRESS PERIOD    2

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.4178        0.1994        0.9360E-01    0.2046E-01   -0.6110E-02
  (  1, 14, 24) (  1, 20, 19) (  1, 20, 19) (  1, 22, 14) (  2, 19, 13)
     0.9796E-03
  (  1, 20, 22)


 NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP    2

 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP   3 IN STRESS PERIOD    2

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
     0.1715        0.1402        0.6928E-01    0.1866E-01    0.4044E-02
  (  1, 21, 19) (  1, 20, 19) (  1, 20, 19) (  1, 22, 14) (  1, 21, 21)
     0.6886E-03
  (  1, 23, 11)


 NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP    3

 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP   4 IN STRESS PERIOD    2

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:
```

```
   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.1241        0.1041        0.5279E-01    0.1675E-01    0.3066E-02
 (  1, 21, 19) (  1, 20, 18) (  1, 20, 19) (  1, 22, 14) (  1, 21, 21)
    0.7128E-03
 (  1, 23, 11)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP    4

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   5 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.9275E-01    0.8061E-01    0.4152E-01    0.1499E-01    0.2423E-02
 (  1, 21, 19) (  1, 20, 18) (  1, 20, 19) (  1, 22, 14) (  1, 21, 21)
    0.7101E-03
 (  1, 23, 11)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP    5

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   6 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.7148E-01    0.6460E-01    0.3384E-01    0.1348E-01    0.1979E-02
 (  1, 21, 19) (  1, 20, 17) (  1, 20, 18) (  1, 22, 14) (  1, 21, 21)
    0.6909E-03
 (  1, 23, 11)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP    6

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   7 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.5678E-01    0.5375E-01    0.2839E-01    0.1220E-01    0.1660E-02
 (  1, 21, 18) (  1, 20, 17) (  1, 20, 18) (  1, 22, 14) (  1, 21, 21)
    0.6625E-03
 (  1, 23, 11)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP    7

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   8 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:
```

```
   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.4676E-01    0.4632E-01    0.2436E-01    0.1114E-01    0.1426E-02
 (  1, 21, 18) (  1, 21, 15) (  1, 19, 17) (  1, 22, 14) (  1, 21, 21)
    0.6317E-03
 (  1, 23, 11)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP    8

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   9 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.4189E-01    0.4118E-01    0.2138E-01    0.1076E-01    0.1250E-02
 (  1, 13, 13) (  1, 21, 15) (  1, 19, 17) (  1, 23, 11) (  1, 21, 21)
    0.5992E-03
 (  1, 23, 11)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP    9

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  10 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.3901E-01    0.3703E-01    0.1912E-01    0.1043E-01    0.1116E-02
 (  1, 13, 13) (  1, 21, 15) (  1, 19, 16) (  1, 23, 11) (  1, 21, 21)
    0.5679E-03
 (  1, 23, 11)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   10

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  11 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.3627E-01    0.3359E-01    0.1732E-01    0.1010E-01    0.1056E-02
 (  1, 13, 13) (  1, 21, 15) (  1, 19, 16) (  1, 23, 11) (  1, 23, 11)
    0.5379E-03
 (  1, 23, 11)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   11

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  12 IN STRESS PERIOD    2
```

```
 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
      0.3381E-01    0.3082E-01    0.1584E-01    0.9777E-02    0.1023E-02
  (  1, 13, 13) (  1, 21, 15) (  1, 19, 16) (  1, 23, 11) (  1, 23, 11)
      0.5104E-03
  (  1, 23, 11)


 NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   12

 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP  13 IN STRESS PERIOD    2

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
      0.3147E-01    0.2845E-01    0.1468E-01    0.9462E-02    0.1043E-02
  (  1, 13, 13) (  1, 21, 15) (  1, 19, 13) (  1, 23, 11) (  1, 25,  1)
      0.4845E-03
  (  1, 23, 11)


 NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   13

 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP  14 IN STRESS PERIOD    2

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
      0.2927E-01    0.2656E-01    0.1382E-01    0.9166E-02    0.1078E-02
  (  1, 13, 13) (  1, 21, 14) (  1, 19, 13) (  1, 23, 11) (  1, 25,  1)
      0.4613E-03
  (  1, 23, 11)


 NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   14

 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP  15 IN STRESS PERIOD    2

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
      0.2808E-01    0.2540E-01    0.1308E-01    0.8881E-02    0.1105E-02
  (  1, 15,  8) (  1, 23, 11) (  1, 19, 12) (  1, 23, 11) (  1, 26,  1)
      0.4397E-03
  (  1, 23, 11)


 NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   15

 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP  16 IN STRESS PERIOD    2
```

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MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.2719E-01    0.2458E-01    0.1244E-01    0.8606E-02    0.1122E-02
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 12) (  1, 23, 11) (  1, 26,  1)
    0.4297E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   16

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  17 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.2608E-01    0.2381E-01    0.1194E-01    0.8358E-02    0.1133E-02
 (  1, 15,  8) (  1, 23, 11) (  1, 20,  9) (  1, 23, 11) (  1, 26,  1)
    0.4335E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   17

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  18 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.2516E-01    0.2304E-01    0.1160E-01    0.8105E-02    0.1140E-02
 (  1, 15,  8) (  1, 23, 11) (  1, 21,  8) (  1, 23, 11) (  1, 26,  1)
    0.4357E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   18

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  19 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.2432E-01    0.2233E-01    0.1132E-01    0.7867E-02    0.1136E-02
 (  1, 15,  8) (  1, 23, 11) (  1, 21,  8) (  1, 23, 11) (  1, 26,  1)
    0.4342E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   19

SOLVING FOR HEAD
```

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    6 ITERATIONS FOR TIME STEP  20 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.2345E-01    0.2165E-01    0.1105E-01    0.7650E-02    0.1132E-02
 (  1, 15,  8) (  1, 23, 11) (  1, 21,  8) (  1, 23, 11) (  1, 26,  1)
    0.4322E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   20

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  21 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.2256E-01    0.2100E-01    0.1078E-01    0.7433E-02    0.1122E-02
 (  1, 15,  8) (  1, 23, 11) (  1, 21,  7) (  1, 23, 11) (  1, 26,  1)
    0.4277E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   21

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  22 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.2194E-01    0.2039E-01    0.1054E-01    0.7228E-02    0.1108E-02
 (  1, 15,  8) (  1, 23, 11) (  1, 21,  7) (  1, 23, 11) (  1, 26,  1)
    0.4231E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   22

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  23 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.2113E-01    0.1985E-01    0.1030E-01    0.7040E-02    0.1093E-02
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)
    0.4171E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   23
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SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  24 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.2042E-01    0.1922E-01    0.1013E-01    0.6842E-02    0.1075E-02
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)
    0.4101E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   24

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  25 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.1988E-01    0.1872E-01    0.9968E-02    0.6662E-02    0.1057E-02
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)
    0.4033E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   25

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  26 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.1914E-01    0.1822E-01    0.9760E-02    0.6495E-02    0.1036E-02
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)
    0.3950E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   26

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  27 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.1859E-01    0.1771E-01    0.9571E-02    0.6325E-02    0.1016E-02
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)
    0.3874E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   27
```

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SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  28 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.1810E-01    0.1724E-01    0.9360E-02    0.6161E-02    0.9945E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   28

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  29 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.1761E-01    0.1682E-01    0.9173E-02    0.6008E-02    0.9747E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   29

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  30 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.1715E-01    0.1644E-01    0.8954E-02    0.5866E-02    0.9518E-03
 (  1, 15,  8) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   30

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  31 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.1664E-01    0.1608E-01    0.8761E-02    0.5722E-02    0.9313E-03
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   31

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  32 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
```

```
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1620E-01    0.1570E-01    0.8550E-02    0.5587E-02    0.9104E-03
 (  1, 15,  8) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   32

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  33 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1589E-01    0.1536E-01    0.8367E-02    0.5454E-02    0.8901E-03
 (  1, 15,  8) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   33

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  34 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1546E-01    0.1500E-01    0.8165E-02    0.5330E-02    0.8696E-03
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   34

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  35 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1498E-01    0.1462E-01    0.7967E-02    0.5206E-02    0.8483E-03
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   35

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  36 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1461E-01    0.1427E-01    0.7774E-02    0.5090E-02    0.8281E-03
 (  1, 15,  8) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   36
```

```
SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  37 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1435E-01    0.1394E-01    0.7602E-02    0.4973E-02    0.8100E-03
 (  1, 15,  8) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   37

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  38 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1394E-01    0.1361E-01    0.7425E-02    0.4863E-02    0.7913E-03
 (  1, 15,  8) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   38

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  39 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1363E-01    0.1329E-01    0.7239E-02    0.4756E-02    0.7718E-03
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   39

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  40 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1326E-01    0.1298E-01    0.7086E-02    0.4651E-02    0.7547E-03
 (  1, 15,  8) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   40

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  41 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
```

```
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1300E-01    0.1266E-01    0.6909E-02    0.4555E-02    0.7375E-03
 (  1, 15,  8) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   41

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  42 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1275E-01    0.1237E-01    0.6755E-02    0.4460E-02    0.7205E-03
 (  1, 15,  8) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   42

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  43 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1247E-01    0.1208E-01    0.6589E-02    0.4363E-02    0.7030E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   43

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  44 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1215E-01    0.1183E-01    0.6450E-02    0.4271E-02    0.6887E-03
 (  1, 15,  8) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   44

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  45 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1190E-01    0.1157E-01    0.6296E-02    0.4185E-02    0.6719E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   45
```

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SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  46 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1165E-01    0.1131E-01    0.6146E-02    0.4099E-02    0.6569E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   46

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  47 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1143E-01    0.1110E-01    0.6018E-02    0.4018E-02    0.6429E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   47

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  48 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1115E-01    0.1088E-01    0.5891E-02    0.3941E-02    0.6294E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   48

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  49 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.1095E-01    0.1063E-01    0.5751E-02    0.3861E-02    0.6139E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   49

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  50 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
```

```
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.1071E-01    0.1043E-01    0.5640E-02    0.3785E-02    0.6025E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   50

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  51 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.1052E-01    0.1023E-01    0.5508E-02    0.3712E-02    0.5880E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   51

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  52 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.1028E-01    0.1004E-01    0.5394E-02    0.3644E-02    0.5770E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   52

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  53 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.1010E-01    0.9824E-02    0.5284E-02    0.3572E-02    0.5655E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   53

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  54 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    0.9844E-02    0.9634E-02    0.5180E-02    0.3505E-02    0.5534E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   54
```

```
SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  55 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.9840E-02    0.9440E-02    0.5063E-02    0.3442E-02    0.5415E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   55

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  56 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.9527E-02    0.9294E-02    0.4959E-02    0.3380E-02    0.5308E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   56

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  57 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.9367E-02    0.9097E-02    0.4866E-02    0.3316E-02    0.5204E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   57

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  58 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.9202E-02    0.8922E-02    0.4766E-02    0.3255E-02    0.5098E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   58

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  59 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
```

```
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.8964E-02    0.8761E-02    0.4668E-02    0.3195E-02    0.4994E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   59

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  60 IN STRESS PERIOD    2

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
    0.8839E-02    0.8611E-02    0.4567E-02    0.3142E-02    0.4892E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)


OUTPUT CONTROL FOR STRESS PERIOD    2   TIME STEP   60
   PRINT HEAD FOR ALL LAYERS
1
             HEAD IN LAYER   1 AT END OF TIME STEP  60 IN STRESS PERIOD    2
  ---------------------------------------------------------------------------

             1           2           3           4           5           6
             7           8           9          10          11          12
            13          14          15          16          17          18
            19          20          21          22          23          24
            25          26          27          28          29          30
...........................................................................
   1     1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       5003.       5004.
   2     1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       4993.       4997.       5000.
   3     1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       4990.       4992.       4995.
   4     1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       4985.       4987.       4989.
   5     1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       4956.       4957.       4960.
         4963.       4967.       4972.       4978.       4981.       4984.
   6     1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       4954.       4956.       4959.
         4962.       4965.       4969.       4973.       4976.       4979.
   7     1000.       1000.       1000.       1000.       1000.       1000.
```

	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	4946.	4948.	4951.	4954.	4957.
	4960.	4963.	4967.	4970.	4972.	4975.
8	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	4939.
	4941.	4944.	4947.	4950.	4953.	4956.
	4959.	4962.	4964.	4967.	4969.	4971.
9	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	4936.	4937.
	4940.	4942.	4945.	4948.	4951.	4954.
	4958.	4960.	4963.	4964.	4966.	4966.
10	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4932.	4934.	4936.
	4938.	4941.	4944.	4947.	4950.	4953.
	4955.	4957.	4959.	4960.	4961.	4961.
11	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	4928.	4930.	4932.	4934.
	4937.	4939.	4942.	4945.	4947.	4949.
	4950.	4952.	4953.	4955.	4955.	4955.
12	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	4926.	4928.	4930.	4932.
	4935.	4938.	4940.	4942.	4943.	4944.
	4946.	4947.	4949.	4950.	4950.	4950.
13	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	4919.	4920.	4924.	4926.	4928.	4930.
	4932.	4935.	4936.	4937.	4938.	4939.
	4941.	4943.	4944.	4945.	4946.	4946.
14	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	4915.
	4917.	4919.	4922.	4924.	4926.	4927.
	4928.	4930.	4932.	4933.	4934.	4934.
	4937.	4939.	4941.	4942.	4942.	4942.
15	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	4901.	4903.	4906.	4909.	4912.
	4915.	4918.	4920.	4922.	4923.	4924.
	4924.	4926.	4928.	4930.	4932.	4933.
	4935.	4937.	4938.	4939.	4939.	4939.
16	1000.	1000.	1000.	1000.	1000.	1000.
	4897.	4900.	4902.	4905.	4908.	4911.
	4914.	4916.	4918.	4919.	4920.	4920.
	4919.	4922.	4925.	4927.	4929.	4931.
	4933.	4934.	4936.	4937.	4937.	4937.
17	1000.	1000.	1000.	4884.	4887.	4890.
	4895.	4898.	4901.	4904.	4907.	4910.
	4912.	4914.	4915.	4916.	4916.	4916.
	4915.	4919.	4923.	4925.	4927.	4929.
	4931.	4933.	4934.	4935.	4936.	4936.
18	1000.	1000.	4879.	4882.	4886.	4889.
	4893.	4897.	4900.	4903.	4906.	4908.
	4910.	4912.	4913.	4914.	4914.	4913.
	4914.	4917.	4921.	4923.	4926.	4928.
	4930.	4931.	4933.	4933.	1000.	1000.
19	4861.	4868.	4875.	4880.	4884.	4888.
	4892.	4896.	4899.	4902.	4904.	4906.
	4908.	4910.	4911.	4912.	4912.	4912.
	4912.	4916.	4919.	4922.	4925.	4927.

	4929.	4931.	4932.	4933.	1000.	1000.
20	4862.	4868.	4874.	4879.	4883.	4887.
	4891.	4894.	4897.	4899.	4902.	4904.
	4906.	4908.	4910.	4911.	4911.	4912.
	4911.	4915.	4918.	4921.	4924.	4926.
	4927.	1000.	1000.	1000.	1000.	1000.
21	4862.	4867.	4873.	4877.	4881.	4885.
	4889.	4892.	4895.	4897.	4900.	4903.
	4905.	4907.	4909.	4910.	4911.	4912.
	4912.	4914.	4916.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
22	4861.	4866.	4871.	4875.	4879.	4883.
	4886.	4890.	4892.	4895.	4898.	4902.
	4904.	4905.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
23	4860.	4864.	4869.	4873.	4877.	4880.
	4884.	4888.	4891.	4893.	4896.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
24	4857.	4862.	4866.	4870.	4874.	4878.
	4882.	4886.	4889.	4891.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
25	4855.	4860.	4864.	4868.	4872.	4877.
	4879.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
26	4854.	4858.	4862.	4867.	4869.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
27	4853.	4857.	4860.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
28	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
29	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
30	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
31	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.

1

HEAD IN LAYER 2 AT END OF TIME STEP 60 IN STRESS PERIOD 2

	1	2	3	4	5	6
	7	8	9	10	11	12
	13	14	15	16	17	18
	19	20	21	22	23	24
	25	26	27	28	29	30
1	4441.	4442.	4446.	4449.	4454.	4458.
	4463.	4468.	4473.	4479.	4484.	4490.
	4496.	4501.	4507.	4512.	4518.	4523.
	4529.	4534.	4539.	4545.	4550.	4555.
	4560.	4565.	4570.	4575.	4579.	4585.
2	4445.	4449.	4453.	4457.	4461.	4465.
	4469.	4475.	4480.	4486.	4492.	4497.
	4503.	4508.	4514.	4519.	4525.	4530.
	4536.	4541.	4546.	4552.	4557.	4562.
	4567.	4571.	4576.	4581.	4585.	4589.
3	4452.	4456.	4460.	4464.	4468.	4472.
	4476.	4481.	4487.	4493.	4499.	4504.
	4510.	4515.	4521.	4526.	4532.	4537.
	4543.	4548.	4553.	4558.	4564.	4569.
	4573.	4578.	4583.	4587.	4591.	4594.
4	4460.	4464.	4468.	4472.	4475.	4478.
	4481.	4487.	4494.	4500.	4506.	4512.
	4517.	4523.	4528.	4533.	4539.	4544.
	4550.	4555.	4560.	4565.	4570.	4575.
	4580.	4585.	4589.	4594.	4597.	4601.
5	4468.	4472.	4476.	4480.	4482.	4484.
	4482.	4493.	4501.	4507.	4513.	4519.
	4524.	4530.	4535.	4541.	4546.	4551.
	4557.	4562.	4567.	4572.	4578.	4583.
	4587.	4592.	4596.	4601.	4604.	4608.
6	4476.	4481.	4485.	4488.	4491.	4494.
	4497.	4503.	4510.	4516.	4521.	4527.
	4532.	4537.	4542.	4548.	4553.	4558.
	4564.	4569.	4574.	4580.	4585.	4590.
	4595.	4599.	4604.	4608.	4612.	4615.
7	4485.	4489.	4493.	4497.	4501.	4504.
	4508.	4513.	4519.	4524.	4529.	4534.
	4539.	4544.	4550.	4555.	4560.	4565.
	4571.	4576.	4582.	4587.	4592.	4597.
	4602.	4607.	4611.	4615.	4619.	4623.
8	4494.	4498.	4503.	4506.	4510.	4514.
	4518.	4523.	4528.	4532.	4537.	4542.
	4547.	4552.	4557.	4562.	4567.	4572.
	4578.	4583.	4589.	4594.	4600.	4605.
	4610.	4614.	4619.	4623.	4627.	4631.
9	4503.	4508.	4512.	4516.	4520.	4524.
	4528.	4532.	4537.	4541.	4545.	4550.
	4554.	4559.	4564.	4568.	4573.	4579.
	4585.	4591.	4596.	4602.	4607.	4612.
	4617.	4622.	4627.	4631.	4636.	4640.
10	4513.	4517.	4521.	4525.	4529.	4533.
	4537.	4541.	4545.	4549.	4553.	4557.
	4561.	4566.	4571.	4575.	4579.	4586.
	4592.	4598.	4604.	4609.	4615.	4620.
	4625.	4630.	4635.	4640.	4644.	4648.
11	4522.	4527.	4531.	4535.	4539.	4543.
	4547.	4551.	4554.	4558.	4562.	4565.
	4568.	4573.	4578.	4583.	4588.	4594.
	4600.	4606.	4611.	4617.	4623.	4628.
	4633.	4638.	4643.	4648.	4652.	4657.

12	4532.	4536.	4540.	4544.	4548.	4552.
	4556.	4560.	4564.	4567.	4570.	4572.
	4572.	4580.	4585.	4591.	4596.	4602.
	4607.	4613.	4619.	4625.	4631.	4636.
	4642.	4647.	4652.	4657.	4661.	4665.
13	4542.	4546.	4550.	4554.	4558.	4562.
	4566.	4569.	4573.	4576.	4579.	4582.
	4585.	4589.	4593.	4599.	4604.	4609.
	4615.	4621.	4627.	4633.	4639.	4645.
	4650.	4655.	4661.	4665.	4670.	4674.
14	4551.	4555.	4559.	4564.	4568.	4571.
	4575.	4579.	4583.	4586.	4589.	4592.
	4595.	4598.	4599.	4607.	4612.	4617.
	4621.	4628.	4635.	4642.	4648.	4653.
	4659.	4664.	4669.	4674.	4679.	4684.
15	4561.	4565.	4569.	4573.	4577.	4581.
	4585.	4589.	4592.	4596.	4599.	4603.
	4606.	4609.	4612.	4617.	4621.	4625.
	4625.	4636.	4644.	4650.	4657.	4662.
	4668.	4673.	4678.	4683.	4688.	4693.
16	4571.	4575.	4579.	4583.	4587.	4591.
	4595.	4599.	4602.	4606.	4610.	4613.
	4616.	4620.	4623.	4627.	4632.	4635.
	4639.	4646.	4653.	4660.	4666.	4672.
	4677.	4683.	4688.	4693.	4698.	4702.
17	4581.	4585.	4589.	4593.	4597.	4601.
	4605.	4609.	4612.	4616.	4620.	4623.
	4627.	4631.	4634.	4638.	4642.	4646.
	4650.	4656.	4663.	4669.	4675.	4681.
	4687.	4692.	4697.	4702.	4707.	4712.
18	4590.	4594.	4599.	4603.	4607.	4611.
	4615.	4619.	4622.	4626.	4630.	4634.
	4638.	4641.	4645.	4649.	4652.	4656.
	4660.	4666.	4673.	4679.	4685.	4691.
	4696.	4702.	4707.	4712.	4717.	4721.
19	4600.	4604.	4608.	4613.	4617.	4621.
	4625.	4629.	4633.	4637.	4640.	4644.
	4648.	4652.	4656.	4659.	4663.	4666.
	4666.	4676.	4683.	4689.	4695.	4701.
	4706.	4711.	4717.	4722.	4726.	4731.
20	4610.	4614.	4618.	4622.	4626.	4631.
	4635.	4639.	4643.	4647.	4651.	4655.
	4659.	4663.	4667.	4670.	4674.	4678.
	4681.	4687.	4694.	4700.	4705.	4711.
	4716.	4721.	4727.	4731.	4736.	4741.
21	4620.	4624.	4628.	4632.	4636.	4641.
	4645.	4649.	4653.	4657.	4661.	4665.
	4669.	4673.	4677.	4681.	4685.	4690.
	4694.	4699.	4705.	4710.	4716.	4721.
	4726.	4732.	4737.	4741.	4746.	4751.
22	4630.	4634.	4638.	4642.	4646.	4651.
	4655.	4659.	4663.	4667.	4672.	4676.
	4680.	4684.	4688.	4693.	4697.	4701.
	4706.	4711.	4716.	4721.	4727.	4732.
	4737.	4742.	4747.	4752.	4756.	4761.
23	4640.	4644.	4648.	4652.	4656.	4660.
	4665.	4669.	4673.	4678.	4682.	4686.
	4691.	4695.	4699.	4704.	4708.	4712.
	4717.	4722.	4727.	4732.	4737.	4742.
	4747.	4752.	4757.	4762.	4766.	4771.
24	4649.	4653.	4658.	4662.	4666.	4670.
	4675.	4679.	4684.	4688.	4692.	4697.
	4701.	4706.	4710.	4715.	4719.	4724.

```
         4728.        4733.        4738.        4743.        4748.        4753.
         4758.        4763.        4767.        4772.        4777.        4781.
   25    4659.        4663.        4667.        4672.        4676.        4680.
         4685.        4689.        4694.        4698.        4703.        4707.
         4712.        4716.        4721.        4725.        4730.        4735.
         4739.        4744.        4749.        4754.        4759.        4764.
         4768.        4773.        4778.        4782.        4787.        4791.
   26    4668.        4672.        4677.        4681.        4686.        4690.
         4695.        4699.        4704.        4709.        4713.        4718.
         4722.        4727.        4732.        4736.        4741.        4746.
         4750.        4755.        4760.        4765.        4770.        4774.
         4779.        4784.        4788.        4793.        4797.        4802.
   27    4678.        4682.        4686.        4691.        4695.        4700.
         4705.        4709.        4714.        4719.        4724.        4728.
         4733.        4738.        4742.        4747.        4752.        4757.
         4761.        4766.        4771.        4776.        4780.        4785.
         4790.        4794.        4799.        4803.        4807.        4812.
   28    4687.        4691.        4696.        4700.        4705.        4710.
         4715.        4720.        4724.        4729.        4734.        4739.
         4744.        4748.        4753.        4758.        4763.        4768.
         4772.        4777.        4782.        4787.        4791.        4796.
         4801.        4805.        4809.        4813.        4817.        4821.
   29    4695.        4700.        4705.        4710.        4715.        4720.
         4725.        4730.        4735.        4739.        4744.        4749.
         4754.        4759.        4764.        4769.        4774.        4779.
         4783.        4788.        4793.        4798.        4802.        4807.
         4811.        4816.        4820.        4823.        4827.        4831.
   30    4703.        4708.        4714.        4719.        4724.        4730.
         4735.        4740.        4745.        4750.        4755.        4760.
         4765.        4770.        4775.        4780.        4785.        4789.
         4794.        4799.        4804.        4809.        4814.        4818.
         4823.        4827.        4831.        4834.        4837.        4839.
   31    4708.        4716.        4723.        4729.        4734.        4740.
         4745.        4750.        4755.        4760.        4765.        4770.
         4775.        4780.        4785.        4790.        4795.        4800.
         4805.        4810.        4815.        4820.        4825.        4830.
         4834.        4838.        4842.        4845.        4847.        4845.
1
  VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP   60, STRESS PERIOD   2
  ------------------------------------------------------------------------------

     CUMULATIVE VOLUMES      L**3       RATES FOR THIS TIME STEP      L**3/T
     ------------------                 ------------------------

           IN:                                      IN:
           ---                                      ---
             STORAGE =     4616438.0000               STORAGE =          0.0000
       CONSTANT HEAD =           0.0000         CONSTANT HEAD =          0.0000
               WELLS =           0.0000                 WELLS =          0.0000
     HEAD DEP BOUNDS =  3746005248.0000       HEAD DEP BOUNDS =     488942.1250
            RECHARGE =  1445522816.0000              RECHARGE =     188587.5000

            TOTAL IN =  5196144128.0000              TOTAL IN =     677529.6250

          OUT:                                     OUT:
          ----                                     ----
             STORAGE =    34540988.0000               STORAGE =       2547.6743
       CONSTANT HEAD =           0.0000         CONSTANT HEAD =          0.0000
               WELLS =  1434811136.0000                 WELLS =     188514.0000
     HEAD DEP BOUNDS =  3726762240.0000       HEAD DEP BOUNDS =     486464.9688
            RECHARGE =           0.0000              RECHARGE =          0.0000

           TOTAL OUT =  5196114432.0000             TOTAL OUT =     677526.6875
```

```
             IN - OUT =       29696.0000              IN - OUT =           2.9375

  PERCENT DISCREPANCY =            0.00     PERCENT DISCREPANCY =           0.00




         TIME SUMMARY AT END OF TIME STEP   60 IN STRESS PERIOD    2
                    SECONDS     MINUTES      HOURS       DAYS        YEARS
                    -----------------------------------------------------------
   TIME STEP LENGTH 1.05120E+07 1.75200E+05  2920.0      121.67     0.33311
 STRESS PERIOD TIME 6.30720E+08 1.05120E+07 1.75200E+05  7300.0      19.986
         TOTAL TIME 6.62256E+08 1.10376E+07 1.83960E+05  7665.0      20.986
1
1
                            STRESS PERIOD NO.    3, LENGTH =   7300.000
                            -----------------------------------------------

                              NUMBER OF TIME STEPS =    60

                               MULTIPLIER FOR DELT =     1.000

                            INITIAL TIME STEP SIZE =   121.6667

 WELL NO.  LAYER   ROW   COL   STRESS RATE
 --------------------------------------------------
      1      1     14     19      -2771.
      2      1     16     19      -9423.
      3      1     17     19     -0.1663E+05
      4      1     18     18      -6651.
      5      1     19     19     -0.1663E+05
      6      1     20     19     -0.1663E+05
      7      1     14     24     -0.1164E+05
      8      2     10     17      -8868.
      9      2     14     15     -0.1607E+05
     10      2     15     19     -0.2328E+05
     11      2     19     19     -0.2051E+05
     12      2      5      7     -0.3327E+05
     13      2     12     13     -0.1885E+05
     14      1     14     24      -200.0
     15      1     16     24      -200.0
     16      1      3     30      -200.0
     17      1     14     27      -200.0

     17 WELLS

 BOUND. NO. LAYER   ROW   COL      STAGE      CONDUCTANCE
 ----------------------------------------------------------------
      1      1      1     29       5013.          180.0
      2      1      1     30       5015.          180.0
      3      1      2     30       5013.          180.0
      4      1      3     30       5008.          180.0
      5      1      4     30       4997.          180.0
      6      1      5     30       4992.          180.0
      7      1      6     30       4986.          180.0
      8      1      7     30       4979.          180.0
      9      1      8     30       4973.          180.0
     10      1      9     30       4968.          180.0
     11      1     10     30       4960.          180.0
     12      1     11     30       4955.          180.0
```

13	1	12	30	4949.	180.0
14	1	13	30	4944.	180.0
15	1	14	30	4938.	180.0
16	1	15	30	4933.	180.0
17	1	16	30	4925.	180.0
18	1	17	30	4924.	180.0
19	1	19	1	4794.	180.0
20	1	20	1	4798.	180.0
21	1	21	1	4798.	180.0
22	1	22	1	4797.	180.0
23	1	23	1	4789.	180.0
24	1	24	1	4781.	180.0
25	1	25	1	4777.	180.0
26	1	26	1	4773.	180.0
27	1	27	1	4765.	180.0
28	2	1	1	4375.	100.00
29	2	2	1	4365.	100.00
30	2	3	1	4395.	100.00
31	2	4	1	4405.	100.00
32	2	5	1	4415.	100.00
33	2	6	1	4425.	100.00
34	2	7	1	4435.	100.00
35	2	8	1	4445.	100.00
36	2	9	1	4455.	100.00
37	2	10	1	4465.	100.00
38	2	11	1	4475.	100.00
39	2	12	1	4485.	100.00
40	2	13	1	4495.	100.00
41	2	14	1	4505.	100.00
42	2	15	1	4515.	100.00
43	2	16	1	4525.	100.00
44	2	17	1	4535.	100.00
45	2	18	1	4545.	100.00
46	2	19	1	4555.	100.00
47	2	20	1	4565.	100.00
48	2	21	1	4575.	100.00
49	2	22	1	4585.	100.00
50	2	23	1	4595.	100.00
51	2	24	1	4605.	100.00
52	2	25	1	4615.	100.00
53	2	26	1	4625.	100.00
54	2	27	1	4635.	100.00
55	2	28	1	4645.	100.00
56	2	29	1	4655.	100.00
57	2	30	1	4665.	100.00
58	2	31	1	4675.	100.00
59	2	1	30	4602.	100.00
60	2	2	30	4612.	100.00
61	2	3	30	4622.	100.00
62	2	4	30	4632.	100.00
63	2	5	30	4642.	100.00
64	2	6	30	4652.	100.00
65	2	7	30	4662.	100.00
66	2	8	30	4672.	100.00
67	2	9	30	4682.	100.00
68	2	10	30	4692.	100.00
69	2	11	30	4702.	100.00
70	2	12	30	4712.	100.00
71	2	13	30	4722.	100.00
72	2	14	30	4732.	100.00
73	2	15	30	4742.	100.00
74	2	16	30	4752.	100.00
75	2	17	30	4762.	100.00

76	2	18	30	4772.	100.00
77	2	19	30	4782.	100.00
78	2	20	30	4792.	100.00
79	2	21	30	4802.	100.00
80	2	22	30	4812.	100.00
81	2	23	30	4822.	100.00
82	2	24	30	4832.	100.00
83	2	25	30	4842.	100.00
84	2	26	30	4852.	100.00
85	2	27	30	4862.	100.00
86	2	28	30	4872.	100.00
87	2	29	30	4882.	100.00
88	2	30	30	4892.	100.00
89	2	31	30	4902.	100.00
90	2	1	2	4353.	100.00
91	2	1	3	4359.	100.00
92	2	1	4	4365.	100.00
93	2	1	5	4371.	100.00
94	2	1	6	4377.	100.00
95	2	1	7	4383.	100.00
96	2	1	8	4388.	100.00
97	2	1	9	4394.	100.00
98	2	1	10	4400.	100.00
99	2	1	11	4406.	100.00
100	2	1	12	4412.	100.00
101	2	1	13	4418.	100.00
102	2	1	14	4424.	100.00
103	2	1	15	4430.	100.00
104	2	1	16	4436.	100.00
105	2	1	17	4441.	100.00
106	2	1	18	4447.	100.00
107	2	1	19	4453.	100.00
108	2	1	20	4459.	100.00
109	2	1	21	4465.	100.00
110	2	1	22	4471.	100.00
111	2	1	23	4477.	100.00
112	2	1	24	4483.	100.00
113	2	1	25	4489.	100.00
114	2	1	26	4495.	100.00
115	2	1	27	4500.	100.00
116	2	1	28	4506.	100.00
117	2	1	29	4512.	100.00
118	2	31	2	4827.	100.00
119	2	31	3	4833.	100.00
120	2	31	4	4839.	100.00
121	2	31	5	4845.	100.00
122	2	31	6	4850.	100.00
123	2	31	7	4856.	100.00
124	2	31	8	4862.	100.00
125	2	31	9	4868.	100.00
126	2	31	10	4874.	100.00
127	2	31	11	4880.	100.00
128	2	31	12	4886.	100.00
129	2	31	13	4892.	100.00
130	2	31	14	4898.	100.00
131	2	31	15	4904.	100.00
132	2	31	16	4909.	100.00
133	2	31	17	4915.	100.00
134	2	31	18	4921.	100.00
135	2	31	19	4927.	100.00
136	2	31	20	4933.	100.00
137	2	31	21	4939.	100.00
138	2	31	22	4945.	100.00

```
   139       2     31     23      4951.         100.00
   140       2     31     24      4957.         100.00
   141       2     31     25      4962.         100.00
   142       2     31     26      4968.         100.00
   143       2     31     27      4974.         100.00
   144       2     31     28      4980.         100.00
   145       2     31     29      4986.         100.00

   145 GHB CELLS


                             RECHARGE
 READING ON UNIT   18 WITH FORMAT: (10F8.5)

          1       2       3       4       5       6       7       8       9      10
     11      12      13      14      15
         16      17      18      19      20      21      22      23      24      25
     26      27      28      29      30

..................................................................................
.......................................
   1      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   2      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   3      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   4      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   5      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   6      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   7      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   8      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   9      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  10      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  11      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
```

```
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  12          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  13          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  14          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  15          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  16          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  17          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  18          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  19          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  20          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  21          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  22          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  23          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  24          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  25          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  26          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
              0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
```

```
  27       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
           0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  28       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
           0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  29       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
           0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  30       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
           0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  31       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
           0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0

 SOLVING FOR HEAD

    16 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD    3

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.7337       -0.2394       -0.5325       -0.6939       -0.7990
  (  2,  5,  7) (  2,  4,  8) (  2, 14, 16) (  2, 13, 18) (  2, 16, 10)
     0.2601E-01    0.5012E-01   -0.4080E-01    0.8600E-01   -0.3288E-01
  (  2, 19, 13) (  2, 19, 12) (  2, 28,  3) (  2, 18, 10) (  2, 20, 11)
     0.4377E-02    0.7457E-02    0.1207E-01    0.1158E-01   -0.8723E-02
  (  2, 14, 18) (  2, 14, 18) (  2, 14, 18) (  2, 10, 22) (  2, 15, 17)
    -0.9854E-03
  (  2, 21, 12)


 NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP    1

 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP   2 IN STRESS PERIOD    3

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.7094E-01   -0.5627E-01   -0.2559E-01   -0.7100E-02   -0.2270E-02
  (  1, 19, 19) (  1, 19, 19) (  1, 19, 19) (  1, 20, 22) (  2, 20, 23)
    -0.3757E-03
  (  1, 20, 22)


 NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP    2

 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP   3 IN STRESS PERIOD    3

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:
```

```
   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.4547E-01   -0.4150E-01   -0.2033E-01   -0.6041E-02   -0.1586E-02
 (  1, 21, 20) (  1, 20, 19) (  1, 19, 19) (  1, 21, 21) (  1, 21, 21)
   -0.3152E-03
 (  1, 20, 22)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP    3

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   4 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3537E-01   -0.3305E-01   -0.1682E-01   -0.5296E-02   -0.1353E-02
 (  1, 21, 20) (  1, 20, 19) (  1, 19, 19) (  1, 21, 21) (  1, 21, 21)
   -0.2693E-03
 (  1, 20, 22)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP    4

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   5 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2870E-01   -0.2748E-01   -0.1438E-01   -0.4713E-02   -0.1177E-02
 (  1, 21, 20) (  1, 20, 19) (  1, 19, 19) (  1, 21, 21) (  1, 21, 21)
   -0.2351E-03
 (  1, 20, 22)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP    5

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   6 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2384E-01   -0.2347E-01   -0.1258E-01   -0.4241E-02   -0.1041E-02
 (  1, 21, 20) (  1, 20, 19) (  1, 19, 19) (  1, 21, 21) (  1, 21, 21)
   -0.2084E-03
 (  1, 20, 22)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP    6

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP   7 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:
```

```
   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2070E-01   -0.2060E-01   -0.1124E-01   -0.3863E-02   -0.9359E-03
 (  1, 21, 21) (  1, 20, 19) (  1, 19, 19) (  1, 21, 21) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP    7

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP   8 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1817E-01   -0.1845E-01   -0.1016E-01   -0.3545E-02   -0.8490E-03
 (  1, 21, 21) (  1, 20, 21) (  1, 19, 19) (  1, 21, 21) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP    8

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP   9 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1634E-01   -0.1682E-01   -0.9324E-02   -0.3292E-02   -0.7814E-03
 (  1, 21, 21) (  1, 20, 21) (  1, 19, 19) (  1, 21, 21) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP    9

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  10 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1481E-01   -0.1546E-01   -0.8642E-02   -0.3073E-02   -0.7240E-03
 (  1, 21, 21) (  1, 20, 21) (  1, 19, 19) (  1, 21, 21) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   10

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  11 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1364E-01   -0.1438E-01   -0.8071E-02   -0.2888E-02   -0.6765E-03
 (  1, 21, 21) (  1, 20, 22) (  1, 19, 19) (  1, 21, 21) (  1, 21, 21)
```

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NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   11

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  12 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1256E-01   -0.1344E-01   -0.7587E-02   -0.2727E-02   -0.6352E-03
 (  1, 21, 21) (  1, 20, 22) (  1, 19, 19) (  1, 21, 21) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   12

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  13 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1226E-01   -0.1267E-01   -0.7181E-02   -0.2590E-02   -0.6003E-03
 (  1, 11, 15) (  1, 20, 22) (  1, 19, 19) (  1, 21, 21) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   13

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  14 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1202E-01   -0.1199E-01   -0.6835E-02   -0.2495E-02   -0.5708E-03
 (  1, 11, 15) (  1, 20, 22) (  1, 19, 19) (  1, 22, 14) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   14

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  15 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1170E-01   -0.1140E-01   -0.6526E-02   -0.2442E-02   -0.5439E-03
 (  1, 11, 15) (  1, 20, 22) (  1, 19, 19) (  1, 22, 14) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   15

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  16 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:
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```
   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1149E-01   -0.1089E-01   -0.6252E-02   -0.2389E-02   -0.5205E-03
 (  1, 11, 15) (  1, 20, 22) (  1, 19, 19) (  1, 22, 14) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   16

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  17 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1127E-01   -0.1041E-01   -0.6020E-02   -0.2352E-02   -0.4997E-03
 (  1, 11, 15) (  1, 20, 22) (  1, 19, 19) (  1, 22, 14) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   17

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  18 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1098E-01   -0.1000E-01   -0.5805E-02   -0.2313E-02   -0.4801E-03
 (  1, 11, 15) (  1, 20, 22) (  1, 19, 19) (  1, 22, 14) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   18

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  19 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1096E-01   -0.9638E-02   -0.5605E-02   -0.2273E-02   -0.4633E-03
 (  1, 10, 16) (  1, 20, 22) (  1, 19, 19) (  1, 22, 14) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   19

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  20 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1070E-01   -0.9305E-02   -0.5431E-02   -0.2247E-02   -0.4475E-03
 (  1,  9, 17) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)
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NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   20

SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  21 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1049E-01   -0.9026E-02   -0.5272E-02   -0.2252E-02   -0.4339E-03
 (  1,  9, 17) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   21

SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  22 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1045E-01   -0.8782E-02   -0.5131E-02   -0.2263E-02   -0.4208E-03
 (  1,  9, 17) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   22

SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  23 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1019E-01   -0.8532E-02   -0.4991E-02   -0.2257E-02   -0.4088E-03
 (  1,  9, 17) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   23

SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  24 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1024E-01   -0.8290E-02   -0.4853E-02   -0.2260E-02   -0.3968E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   24

SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  25 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:
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   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.9849E-02   -0.8088E-02   -0.4739E-02   -0.2257E-02   -0.3864E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   25

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  26 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.9733E-02   -0.7899E-02   -0.4631E-02   -0.2256E-02   -0.3760E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   26

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  27 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.9593E-02   -0.7703E-02   -0.4518E-02   -0.2245E-02   -0.3666E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   27

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  28 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.9403E-02   -0.7551E-02   -0.4429E-02   -0.2240E-02   -0.3593E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   28

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  29 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.9331E-02   -0.7371E-02   -0.4330E-02   -0.2234E-02   -0.3498E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)
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NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   29

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  30 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.9119E-02   -0.7203E-02   -0.4231E-02   -0.2218E-02   -0.3420E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   30

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  31 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.8861E-02   -0.7079E-02   -0.4160E-02   -0.2204E-02   -0.3350E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   31

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  32 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.8779E-02   -0.6947E-02   -0.4074E-02   -0.2189E-02   -0.3277E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   32

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  33 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.8658E-02   -0.6812E-02   -0.3998E-02   -0.2171E-02   -0.3214E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   33

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  34 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:
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   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.8473E-02   -0.6669E-02   -0.3925E-02   -0.2155E-02   -0.3148E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   34

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  35 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.8571E-02   -0.6526E-02   -0.3843E-02   -0.2138E-02   -0.3077E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   35

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  36 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.8273E-02   -0.6443E-02   -0.3779E-02   -0.2124E-02   -0.3023E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   36

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  37 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.8065E-02   -0.6306E-02   -0.3709E-02   -0.2103E-02   -0.2956E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   37

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  38 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.7821E-02   -0.6203E-02   -0.3647E-02   -0.2086E-02   -0.2911E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)
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NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   38

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  39 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.7820E-02   -0.6084E-02   -0.3583E-02   -0.2064E-02   -0.2847E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   39

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  40 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.7653E-02   -0.5979E-02   -0.3514E-02   -0.2047E-02   -0.2799E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 21, 21)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   40

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  41 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.7588E-02   -0.5880E-02   -0.3453E-02   -0.2030E-02   -0.2785E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   41

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  42 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.7375E-02   -0.5793E-02   -0.3410E-02   -0.2009E-02   -0.2767E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   42

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  43 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:
```

```
   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.7098E-02   -0.5700E-02   -0.3353E-02   -0.1981E-02   -0.2744E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   43

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  44 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.7051E-02   -0.5594E-02   -0.3296E-02   -0.1958E-02   -0.2728E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   44

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  45 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.7058E-02   -0.5504E-02   -0.3237E-02   -0.1940E-02   -0.2715E-03
 (  1,  9, 17) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   45

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  46 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6968E-02   -0.5449E-02   -0.3201E-02   -0.1920E-02   -0.2697E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   46

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  47 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6701E-02   -0.5321E-02   -0.3133E-02   -0.1893E-02   -0.2664E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
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NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   47

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  48 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6632E-02   -0.5255E-02   -0.3089E-02   -0.1878E-02   -0.2655E-03
 (  1,  8, 18) (  1, 19, 19) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   48

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  49 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6434E-02   -0.5197E-02   -0.3026E-02   -0.1852E-02   -0.2625E-03
 (  1,  8, 18) (  1, 21, 15) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   49

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  50 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6518E-02   -0.5107E-02   -0.2975E-02   -0.1833E-02   -0.2608E-03
 (  1,  8, 18) (  1, 21, 15) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   50

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  51 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6297E-02   -0.5044E-02   -0.2939E-02   -0.1812E-02   -0.2578E-03
 (  1,  8, 18) (  1, 21, 15) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   51

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  52 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:
```

```
   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6246E-02   -0.4960E-02   -0.2894E-02   -0.1786E-02   -0.2555E-03
 (  1,  8, 18) (  1, 21, 15) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   52

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  53 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6016E-02   -0.4908E-02   -0.2854E-02   -0.1773E-02   -0.2551E-03
 (  1,  8, 18) (  1, 21, 15) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   53

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  54 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6008E-02   -0.4817E-02   -0.2804E-02   -0.1747E-02   -0.2515E-03
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   54

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  55 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.5934E-02   -0.4760E-02   -0.2763E-02   -0.1724E-02   -0.2487E-03
 (  1,  8, 18) (  1, 21, 15) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   55

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  56 IN STRESS PERIOD    3

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.5935E-02   -0.4682E-02   -0.2720E-02   -0.1700E-02   -0.2458E-03
 (  1,  8, 18) (  1, 21, 15) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
```

```
 NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   56

 SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  57 IN STRESS PERIOD    3

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.5653E-02   -0.4623E-02   -0.2689E-02   -0.1677E-02   -0.2424E-03
  (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


 NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   57

 SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  58 IN STRESS PERIOD    3

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.5571E-02   -0.4555E-02   -0.2643E-02   -0.1653E-02   -0.2394E-03
  (  1,  8, 18) (  1, 21, 15) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


 NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   58

 SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  59 IN STRESS PERIOD    3

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.5430E-02   -0.4495E-02   -0.2603E-02   -0.1635E-02   -0.2370E-03
  (  1,  9, 17) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


 NO OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   59

 SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  60 IN STRESS PERIOD    3

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.5373E-02   -0.4422E-02   -0.2559E-02   -0.1607E-02   -0.2338E-03
  (  1,  9, 17) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


 OUTPUT CONTROL FOR STRESS PERIOD    3   TIME STEP   60
    PRINT HEAD FOR ALL LAYERS
1
              HEAD IN LAYER   1 AT END OF TIME STEP  60 IN STRESS PERIOD    3
  ---------------------------------------------------------------------------
```

	1	2	3	4	5	6
	7	8	9	10	11	12
	13	14	15	16	17	18
	19	20	21	22	23	24
	25	26	27	28	29	30
1	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	5003.	5004.
2	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4993.	4997.	5000.
3	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4990.	4992.	4995.
4	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4985.	4986.	4989.
5	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4955.	4957.	4960.
	4963.	4967.	4972.	4978.	4981.	4984.
6	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4954.	4956.	4958.
	4962.	4965.	4969.	4973.	4976.	4979.
7	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	4946.	4948.	4951.	4954.	4957.
	4960.	4963.	4966.	4970.	4972.	4975.
8	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	4939.
	4940.	4943.	4946.	4949.	4952.	4955.
	4959.	4961.	4964.	4967.	4969.	4971.
9	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	4935.	4937.
	4939.	4942.	4945.	4948.	4951.	4954.
	4958.	4960.	4962.	4964.	4965.	4966.
10	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4931.	4933.	4935.
	4938.	4940.	4943.	4946.	4950.	4952.
	4955.	4957.	4959.	4960.	4961.	4960.
11	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	4927.	4929.	4931.	4933.
	4936.	4939.	4941.	4944.	4947.	4949.
	4950.	4952.	4953.	4954.	4955.	4955.
12	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.

	1000.	1000.	4926.	4927.	4929.	4931.
	4934.	4937.	4939.	4941.	4942.	4944.
	4945.	4947.	4948.	4949.	4950.	4950.
13	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	4918.	4920.	4923.	4925.	4927.	4929.
	4931.	4934.	4936.	4937.	4938.	4939.
	4941.	4942.	4944.	4945.	4945.	4945.
14	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	4914.
	4916.	4918.	4921.	4923.	4925.	4926.
	4927.	4929.	4931.	4932.	4933.	4933.
	4937.	4939.	4940.	4941.	4942.	4942.
15	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	4901.	4902.	4905.	4908.	4912.
	4914.	4917.	4919.	4921.	4922.	4923.
	4923.	4925.	4927.	4929.	4931.	4932.
	4934.	4936.	4937.	4938.	4939.	4939.
16	1000.	1000.	1000.	1000.	1000.	1000.
	4897.	4899.	4902.	4904.	4907.	4910.
	4913.	4915.	4917.	4918.	4918.	4918.
	4917.	4921.	4924.	4926.	4928.	4930.
	4932.	4934.	4935.	4936.	4936.	4936.
17	1000.	1000.	1000.	4884.	4886.	4890.
	4894.	4897.	4900.	4904.	4907.	4909.
	4912.	4913.	4914.	4915.	4915.	4915.
	4913.	4918.	4921.	4924.	4926.	4928.
	4930.	4932.	4933.	4934.	4935.	4935.
18	1000.	1000.	4878.	4882.	4885.	4889.
	4893.	4896.	4899.	4903.	4905.	4908.
	4909.	4911.	4912.	4912.	4912.	4912.
	4913.	4916.	4919.	4922.	4925.	4927.
	4929.	4931.	4932.	4933.	1000.	1000.
19	4861.	4868.	4875.	4880.	4884.	4888.
	4891.	4895.	4898.	4901.	4903.	4905.
	4907.	4909.	4910.	4911.	4911.	4911.
	4910.	4914.	4918.	4921.	4923.	4926.
	4928.	4930.	4931.	4932.	1000.	1000.
20	4861.	4867.	4873.	4878.	4883.	4887.
	4890.	4893.	4896.	4899.	4901.	4903.
	4905.	4907.	4909.	4910.	4910.	4910.
	4909.	4913.	4916.	4920.	4923.	4925.
	4926.	1000.	1000.	1000.	1000.	1000.
21	4861.	4867.	4872.	4877.	4881.	4885.
	4888.	4891.	4894.	4897.	4899.	4902.
	4904.	4906.	4908.	4909.	4910.	4910.
	4911.	4913.	4914.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
22	4861.	4866.	4871.	4875.	4879.	4882.
	4886.	4889.	4892.	4895.	4897.	4901.
	4903.	4904.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
23	4859.	4864.	4868.	4872.	4876.	4880.
	4884.	4887.	4890.	4893.	4895.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
24	4857.	4862.	4866.	4870.	4874.	4878.
	4882.	4886.	4889.	4891.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.

```
 25     4855.       4860.       4864.       4868.       4872.       4876.
        4879.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
 26     4854.       4858.       4862.       4866.       4869.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
 27     4853.       4857.       4859.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
 28     1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
 29     1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
 30     1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
 31     1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
1
            HEAD IN LAYER   2 AT END OF TIME STEP  60 IN STRESS PERIOD    3
 ---------------------------------------------------------------------------

            1           2           3           4           5           6
            7           8           9          10          11          12
           13          14          15          16          17          18
           19          20          21          22          23          24
           25          26          27          28          29          30
.....................................................................
  1     4440.       4442.       4445.       4449.       4453.       4457.
        4461.       4467.       4472.       4478.       4483.       4489.
        4495.       4500.       4506.       4511.       4517.       4522.
        4528.       4533.       4539.       4544.       4549.       4554.
        4559.       4564.       4569.       4574.       4579.       4584.
  2     4444.       4448.       4452.       4456.       4460.       4464.
        4468.       4473.       4479.       4485.       4490.       4496.
        4502.       4507.       4513.       4518.       4524.       4529.
        4535.       4540.       4545.       4551.       4556.       4561.
        4566.       4571.       4576.       4580.       4584.       4588.
  3     4451.       4455.       4459.       4463.       4467.       4470.
        4474.       4480.       4486.       4492.       4497.       4503.
        4509.       4514.       4520.       4525.       4531.       4536.
        4542.       4547.       4552.       4558.       4563.       4568.
        4573.       4577.       4582.       4586.       4590.       4594.
  4     4459.       4463.       4467.       4470.       4474.       4476.
        4479.       4486.       4492.       4499.       4505.       4510.
        4516.       4521.       4527.       4532.       4538.       4543.
```

	4549.	4554.	4559.	4564.	4570.	4575.
	4579.	4584.	4589.	4593.	4597.	4600.
5	4467.	4471.	4475.	4478.	4481.	4482.
	4479.	4491.	4499.	4506.	4512.	4518.
	4523.	4528.	4534.	4539.	4545.	4550.
	4555.	4561.	4566.	4571.	4577.	4582.
	4586.	4591.	4596.	4600.	4604.	4607.
6	4475.	4480.	4483.	4487.	4490.	4492.
	4495.	4501.	4508.	4514.	4520.	4525.
	4530.	4536.	4541.	4546.	4552.	4557.
	4562.	4568.	4573.	4579.	4584.	4589.
	4594.	4598.	4603.	4607.	4611.	4615.
7	4484.	4488.	4492.	4496.	4499.	4503.
	4506.	4511.	4517.	4522.	4528.	4533.
	4538.	4543.	4548.	4553.	4558.	4564.
	4569.	4575.	4580.	4586.	4591.	4596.
	4601.	4606.	4610.	4615.	4619.	4623.
8	4493.	4497.	4501.	4505.	4509.	4513.
	4517.	4521.	4526.	4531.	4536.	4540.
	4545.	4550.	4555.	4560.	4565.	4571.
	4576.	4582.	4588.	4593.	4598.	4604.
	4609.	4613.	4618.	4622.	4627.	4631.
9	4502.	4507.	4511.	4515.	4518.	4522.
	4526.	4531.	4535.	4539.	4544.	4548.
	4552.	4557.	4562.	4567.	4571.	4577.
	4583.	4589.	4595.	4600.	4606.	4611.
	4616.	4621.	4626.	4630.	4635.	4639.
10	4512.	4516.	4520.	4524.	4528.	4532.
	4536.	4540.	4544.	4548.	4552.	4555.
	4559.	4564.	4569.	4573.	4577.	4584.
	4590.	4597.	4602.	4608.	4614.	4619.
	4624.	4629.	4634.	4639.	4643.	4647.
11	4521.	4526.	4530.	4534.	4538.	4541.
	4545.	4549.	4553.	4556.	4560.	4563.
	4566.	4571.	4576.	4581.	4586.	4592.
	4598.	4604.	4610.	4616.	4621.	4627.
	4632.	4637.	4642.	4647.	4652.	4656.
12	4531.	4535.	4539.	4543.	4547.	4551.
	4555.	4558.	4562.	4565.	4568.	4570.
	4570.	4578.	4583.	4589.	4594.	4600.
	4605.	4612.	4618.	4624.	4630.	4635.
	4641.	4646.	4651.	4656.	4660.	4665.
13	4541.	4545.	4549.	4553.	4557.	4561.
	4564.	4568.	4571.	4575.	4578.	4580.
	4582.	4587.	4591.	4596.	4602.	4607.
	4613.	4619.	4625.	4632.	4638.	4644.
	4649.	4654.	4660.	4664.	4669.	4674.
14	4550.	4554.	4558.	4562.	4566.	4570.
	4574.	4578.	4581.	4584.	4588.	4590.
	4593.	4596.	4597.	4604.	4610.	4615.
	4619.	4626.	4633.	4640.	4646.	4652.
	4658.	4663.	4668.	4673.	4678.	4683.
15	4560.	4564.	4568.	4572.	4576.	4580.
	4584.	4587.	4591.	4594.	4598.	4601.
	4604.	4607.	4610.	4615.	4619.	4623.
	4623.	4634.	4642.	4649.	4655.	4661.
	4667.	4672.	4677.	4682.	4687.	4692.
16	4570.	4574.	4578.	4582.	4586.	4590.
	4594.	4597.	4601.	4604.	4608.	4611.
	4615.	4618.	4621.	4625.	4629.	4633.
	4637.	4644.	4651.	4658.	4664.	4670.
	4676.	4681.	4687.	4692.	4697.	4701.
17	4580.	4584.	4588.	4592.	4596.	4600.

	4604.	4607.	4611.	4615.	4618.	4622.
	4625.	4629.	4632.	4636.	4640.	4644.
	4648.	4654.	4661.	4668.	4674.	4680.
	4685.	4691.	4696.	4701.	4706.	4711.
18	4590.	4594.	4598.	4602.	4606.	4610.
	4614.	4617.	4621.	4625.	4629.	4632.
	4636.	4640.	4643.	4647.	4650.	4654.
	4658.	4664.	4671.	4677.	4684.	4690.
	4695.	4701.	4706.	4711.	4716.	4721.
19	4600.	4604.	4608.	4612.	4616.	4620.
	4624.	4627.	4631.	4635.	4639.	4643.
	4647.	4650.	4654.	4658.	4661.	4664.
	4664.	4674.	4681.	4688.	4694.	4700.
	4705.	4710.	4716.	4721.	4726.	4730.
20	4609.	4613.	4617.	4622.	4626.	4630.
	4634.	4638.	4642.	4646.	4649.	4653.
	4657.	4661.	4665.	4669.	4672.	4676.
	4680.	4686.	4692.	4698.	4704.	4710.
	4715.	4720.	4726.	4731.	4736.	4740.
21	4619.	4623.	4627.	4631.	4636.	4640.
	4644.	4648.	4652.	4656.	4660.	4664.
	4668.	4672.	4676.	4680.	4684.	4688.
	4692.	4698.	4703.	4709.	4715.	4720.
	4725.	4731.	4736.	4741.	4746.	4750.
22	4629.	4633.	4637.	4641.	4645.	4650.
	4654.	4658.	4662.	4666.	4670.	4675.
	4679.	4683.	4687.	4691.	4695.	4700.
	4704.	4709.	4715.	4720.	4725.	4731.
	4736.	4741.	4746.	4751.	4756.	4760.
23	4639.	4643.	4647.	4651.	4655.	4660.
	4664.	4668.	4672.	4677.	4681.	4685.
	4689.	4694.	4698.	4702.	4707.	4711.
	4716.	4721.	4726.	4731.	4736.	4741.
	4746.	4751.	4756.	4761.	4766.	4771.
24	4649.	4653.	4657.	4661.	4665.	4670.
	4674.	4678.	4683.	4687.	4691.	4696.
	4700.	4705.	4709.	4713.	4718.	4722.
	4727.	4732.	4737.	4742.	4747.	4752.
	4757.	4762.	4767.	4771.	4776.	4781.
25	4658.	4662.	4667.	4671.	4675.	4680.
	4684.	4688.	4693.	4697.	4702.	4706.
	4711.	4715.	4720.	4724.	4729.	4734.
	4738.	4743.	4748.	4753.	4758.	4763.
	4768.	4772.	4777.	4782.	4786.	4791.
26	4668.	4672.	4676.	4681.	4685.	4690.
	4694.	4699.	4703.	4708.	4712.	4717.
	4721.	4726.	4731.	4735.	4740.	4745.
	4749.	4754.	4759.	4764.	4769.	4774.
	4778.	4783.	4787.	4792.	4796.	4801.
27	4677.	4681.	4686.	4690.	4695.	4699.
	4704.	4709.	4713.	4718.	4723.	4727.
	4732.	4737.	4742.	4746.	4751.	4756.
	4761.	4765.	4770.	4775.	4780.	4784.
	4789.	4793.	4798.	4802.	4807.	4811.
28	4686.	4690.	4695.	4700.	4705.	4709.
	4714.	4719.	4724.	4728.	4733.	4738.
	4743.	4748.	4752.	4757.	4762.	4767.
	4772.	4776.	4781.	4786.	4791.	4795.
	4800.	4804.	4808.	4813.	4817.	4821.
29	4695.	4699.	4704.	4709.	4714.	4719.
	4724.	4729.	4734.	4739.	4744.	4749.
	4753.	4758.	4763.	4768.	4773.	4778.
	4783.	4788.	4792.	4797.	4802.	4806.

```
        4811.        4815.        4819.        4823.        4827.        4830.
  30    4702.        4708.        4713.        4719.        4724.        4729.
        4734.        4739.        4744.        4749.        4754.        4759.
        4764.        4769.        4774.        4779.        4784.        4789.
        4794.        4799.        4804.        4808.        4813.        4818.
        4822.        4826.        4830.        4833.        4836.        4839.
  31    4708.        4716.        4723.        4728.        4734.        4739.
        4744.        4749.        4755.        4760.        4765.        4770.
        4775.        4780.        4785.        4790.        4795.        4800.
        4805.        4810.        4815.        4820.        4824.        4829.
        4833.        4838.        4841.        4844.        4846.        4845.
1
  VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP   60, STRESS PERIOD   3
  ------------------------------------------------------------------------------

     CUMULATIVE VOLUMES      L**3       RATES FOR THIS TIME STEP      L**3/T
     ------------------                 ------------------------

           IN:                                      IN:
           ---                                      ---
             STORAGE =    20932462.0000               STORAGE =       1437.5033
       CONSTANT HEAD =          0.0000          CONSTANT HEAD =          0.0000
               WELLS =          0.0000                  WELLS =          0.0000
     HEAD DEP BOUNDS =  7340306432.0000       HEAD DEP BOUNDS =     492415.5312
            RECHARGE =  2824178944.0000              RECHARGE =     188857.5000

            TOTAL IN = 10185417728.0000              TOTAL IN =     682710.5000

          OUT:                                     OUT:
          ----                                     ----
             STORAGE =    35140104.0000               STORAGE =          0.0000
       CONSTANT HEAD =          0.0000          CONSTANT HEAD =          0.0000
               WELLS =  2909540096.0000                 WELLS =     202018.0000
     HEAD DEP BOUNDS =  7240745984.0000       HEAD DEP BOUNDS =     480696.9688
            RECHARGE =          0.0000               RECHARGE =          0.0000

           TOTAL OUT = 10185426944.0000             TOTAL OUT =     682715.0000

            IN - OUT =       -9216.0000              IN - OUT =         -4.5000

 PERCENT DISCREPANCY =           -0.00     PERCENT DISCREPANCY =          -0.00




         TIME SUMMARY AT END OF TIME STEP   60 IN STRESS PERIOD    3
                    SECONDS     MINUTES      HOURS       DAYS        YEARS
                    -----------------------------------------------------------
   TIME STEP LENGTH 1.05120E+07 1.75200E+05  2920.0      121.67     0.33311
 STRESS PERIOD TIME 6.30720E+08 1.05120E+07 1.75200E+05  7300.0      19.986
         TOTAL TIME 1.29298E+09 2.15496E+07 3.59160E+05  14965.      40.972
1
1
                            STRESS PERIOD NO.    4, LENGTH =   7300.000
                            ----------------------------------------------

                              NUMBER OF TIME STEPS =    60

                               MULTIPLIER FOR DELT =     1.000

                            INITIAL TIME STEP SIZE =   121.6667
```

WELL NO.	LAYER	ROW	COL	STRESS RATE
1	1	14	19	-2557.
2	1	16	19	-8763.
3	1	17	19	-0.1546E+05
4	1	18	18	-6186.
5	1	19	19	-0.1546E+05
6	1	20	19	-0.1546E+05
7	1	14	24	-0.1083E+05
8	1	11	25	-0.1031E+05
9	1	23	8	-0.1031E+05
10	2	10	17	-8248.
11	2	14	15	-0.1495E+05
12	2	15	19	-0.2165E+05
13	2	19	19	-0.1907E+05
14	2	5	7	-0.3094E+05
15	2	12	13	-0.1753E+05
16	2	4	3	-0.1753E+05
17	2	7	11	-0.1753E+05
18	1	14	24	-200.0
19	1	16	24	-200.0
20	1	3	30	-200.0
21	1	14	27	-200.0

21 WELLS

BOUND. NO.	LAYER	ROW	COL	STAGE	CONDUCTANCE
1	1	1	29	5013.	180.0
2	1	1	30	5015.	180.0
3	1	2	30	5013.	180.0
4	1	3	30	5008.	180.0
5	1	4	30	4997.	180.0
6	1	5	30	4992.	180.0
7	1	6	30	4986.	180.0
8	1	7	30	4979.	180.0
9	1	8	30	4973.	180.0
10	1	9	30	4968.	180.0
11	1	10	30	4960.	180.0
12	1	11	30	4955.	180.0
13	1	12	30	4949.	180.0
14	1	13	30	4944.	180.0
15	1	14	30	4938.	180.0
16	1	15	30	4933.	180.0
17	1	16	30	4925.	180.0
18	1	17	30	4924.	180.0
19	1	19	1	4794.	180.0
20	1	20	1	4798.	180.0
21	1	21	1	4798.	180.0
22	1	22	1	4797.	180.0
23	1	23	1	4789.	180.0
24	1	24	1	4781.	180.0
25	1	25	1	4777.	180.0
26	1	26	1	4773.	180.0
27	1	27	1	4765.	180.0
28	2	1	1	4375.	100.00
29	2	2	1	4365.	100.00
30	2	3	1	4395.	100.00
31	2	4	1	4405.	100.00
32	2	5	1	4415.	100.00
33	2	6	1	4425.	100.00
34	2	7	1	4435.	100.00

35	2	8	1	4445.	100.00
36	2	9	1	4455.	100.00
37	2	10	1	4465.	100.00
38	2	11	1	4475.	100.00
39	2	12	1	4485.	100.00
40	2	13	1	4495.	100.00
41	2	14	1	4505.	100.00
42	2	15	1	4515.	100.00
43	2	16	1	4525.	100.00
44	2	17	1	4535.	100.00
45	2	18	1	4545.	100.00
46	2	19	1	4555.	100.00
47	2	20	1	4565.	100.00
48	2	21	1	4575.	100.00
49	2	22	1	4585.	100.00
50	2	23	1	4595.	100.00
51	2	24	1	4605.	100.00
52	2	25	1	4615.	100.00
53	2	26	1	4625.	100.00
54	2	27	1	4635.	100.00
55	2	28	1	4645.	100.00
56	2	29	1	4655.	100.00
57	2	30	1	4665.	100.00
58	2	31	1	4675.	100.00
59	2	1	30	4602.	100.00
60	2	2	30	4612.	100.00
61	2	3	30	4622.	100.00
62	2	4	30	4632.	100.00
63	2	5	30	4642.	100.00
64	2	6	30	4652.	100.00
65	2	7	30	4662.	100.00
66	2	8	30	4672.	100.00
67	2	9	30	4682.	100.00
68	2	10	30	4692.	100.00
69	2	11	30	4702.	100.00
70	2	12	30	4712.	100.00
71	2	13	30	4722.	100.00
72	2	14	30	4732.	100.00
73	2	15	30	4742.	100.00
74	2	16	30	4752.	100.00
75	2	17	30	4762.	100.00
76	2	18	30	4772.	100.00
77	2	19	30	4782.	100.00
78	2	20	30	4792.	100.00
79	2	21	30	4802.	100.00
80	2	22	30	4812.	100.00
81	2	23	30	4822.	100.00
82	2	24	30	4832.	100.00
83	2	25	30	4842.	100.00
84	2	26	30	4852.	100.00
85	2	27	30	4862.	100.00
86	2	28	30	4872.	100.00
87	2	29	30	4882.	100.00
88	2	30	30	4892.	100.00
89	2	31	30	4902.	100.00
90	2	1	2	4353.	100.00
91	2	1	3	4359.	100.00
92	2	1	4	4365.	100.00
93	2	1	5	4371.	100.00
94	2	1	6	4377.	100.00
95	2	1	7	4383.	100.00
96	2	1	8	4388.	100.00
97	2	1	9	4394.	100.00

98	2	1	10	4400.	100.00
99	2	1	11	4406.	100.00
100	2	1	12	4412.	100.00
101	2	1	13	4418.	100.00
102	2	1	14	4424.	100.00
103	2	1	15	4430.	100.00
104	2	1	16	4436.	100.00
105	2	1	17	4441.	100.00
106	2	1	18	4447.	100.00
107	2	1	19	4453.	100.00
108	2	1	20	4459.	100.00
109	2	1	21	4465.	100.00
110	2	1	22	4471.	100.00
111	2	1	23	4477.	100.00
112	2	1	24	4483.	100.00
113	2	1	25	4489.	100.00
114	2	1	26	4495.	100.00
115	2	1	27	4500.	100.00
116	2	1	28	4506.	100.00
117	2	1	29	4512.	100.00
118	2	31	2	4827.	100.00
119	2	31	3	4833.	100.00
120	2	31	4	4839.	100.00
121	2	31	5	4845.	100.00
122	2	31	6	4850.	100.00
123	2	31	7	4856.	100.00
124	2	31	8	4862.	100.00
125	2	31	9	4868.	100.00
126	2	31	10	4874.	100.00
127	2	31	11	4880.	100.00
128	2	31	12	4886.	100.00
129	2	31	13	4892.	100.00
130	2	31	14	4898.	100.00
131	2	31	15	4904.	100.00
132	2	31	16	4909.	100.00
133	2	31	17	4915.	100.00
134	2	31	18	4921.	100.00
135	2	31	19	4927.	100.00
136	2	31	20	4933.	100.00
137	2	31	21	4939.	100.00
138	2	31	22	4945.	100.00
139	2	31	23	4951.	100.00
140	2	31	24	4957.	100.00
141	2	31	25	4962.	100.00
142	2	31	26	4968.	100.00
143	2	31	27	4974.	100.00
144	2	31	28	4980.	100.00
145	2	31	29	4986.	100.00

145 GHB CELLS

RECHARGE

READING ON UNIT 18 WITH FORMAT: (10F8.5)

```
        1         2         3         4         5         6         7         8         9        10
     11        12        13        14        15
       16        17        18        19        20        21        22        23        24        25
     26        27        28        29        30

...................................................................................
.......................................
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```
    1     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
    2     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
    3     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
    4     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
    5     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
    6     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
    7     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
    8     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
    9     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   10     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   11     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   12     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   13     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   14     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   15     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   16     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
```

```
0.0     0.0     0.0     0.0     0.0     0.0
  17      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  18      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  19      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  20      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  21      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  22      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  23      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  24      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  25      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  26      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  27      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  28      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  29      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  30      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  31      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0

 SOLVING FOR HEAD
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   21 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD    4

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
     -5.771        -2.247        -3.335        -3.163        -2.113
  (  2,  4,  3) (  2,  5,  2) (  2,  2,  2) (  2,  5,  6) (  2, 15, 12)
    -0.6380E-01   -0.1030       -0.1529        0.1488       -0.1643
  (  2,  7, 11) (  2, 12, 17) (  2, 27,  4) (  2, 12,  5) (  2, 15,  9)
     0.1031E-01    0.1772E-01   -0.2063E-01    0.1694E-01   -0.1473E-01
  (  2,  9, 13) (  2,  9, 13) (  2,  9,  3) (  2,  5, 17) (  2, 19, 22)
     0.1917E-02    0.3650E-02    0.3406E-02    0.7452E-02   -0.4366E-02
  (  2, 15, 18) (  2, 14, 17) (  2, 14, 18) (  2, 16, 21) (  2, 13, 18)
    -0.4279E-03
  (  2, 19, 23)


 NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP    1

 SOLVING FOR HEAD
     7 ITERATIONS FOR TIME STEP   2 IN STRESS PERIOD    4

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.5733       -0.1795       -0.6566E-01   -0.3747E-01   -0.4542E-02
  (  1, 11, 25) (  1, 24,  8) (  1, 22,  7) (  1, 25,  7) (  1, 24,  1)
    -0.2043E-02   -0.8024E-03
  (  1, 26,  5) (  1, 26,  2)


 NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP    2

 SOLVING FOR HEAD
     7 ITERATIONS FOR TIME STEP   3 IN STRESS PERIOD    4

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.2320       -0.1218       -0.5066E-01   -0.3104E-01   -0.4462E-02
  (  1, 11, 25) (  1, 24,  8) (  1, 22,  7) (  1, 25,  7) (  1, 25,  1)
    -0.1760E-02   -0.7450E-03
  (  1, 27,  3) (  1, 26,  2)


 NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP    3

 SOLVING FOR HEAD
     7 ITERATIONS FOR TIME STEP   4 IN STRESS PERIOD    4

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.1349       -0.9227E-01   -0.4270E-01   -0.2672E-01   -0.4301E-02
```

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 (  1, 11, 25) (  1, 24,  8) (  1, 22,  6) (  1, 25,  7) (  1, 26,  1)
   -0.1685E-02   -0.6862E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP    4

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP   5 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.9394E-01   -0.7813E-01   -0.3835E-01   -0.2392E-01   -0.4129E-02
 (  1, 11, 25) (  1, 25,  6) (  1, 23,  3) (  1, 26,  5) (  1, 26,  1)
   -0.1593E-02   -0.6335E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP    5

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP   6 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.7198E-01   -0.7002E-01   -0.3661E-01   -0.2209E-01   -0.3918E-02
 (  1, 11, 25) (  1, 26,  4) (  1, 23,  1) (  1, 26,  5) (  1, 26,  1)
   -0.1498E-02   -0.5879E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP    6

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP   7 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6445E-01   -0.6569E-01   -0.3480E-01   -0.2055E-01   -0.3697E-02
 (  1,  7, 20) (  1, 26,  4) (  1, 23,  1) (  1, 26,  5) (  1, 26,  1)
   -0.1406E-02   -0.5474E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP    7

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP   8 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
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```
   -0.6503E-01   -0.6170E-01   -0.3292E-01   -0.1923E-01   -0.3480E-02
 (  1,  6, 22) (  1, 26,  4) (  1, 23,  1) (  1, 26,  5) (  1, 26,  1)
   -0.1318E-02   -0.5111E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP    8

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP   9 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6588E-01   -0.5800E-01   -0.3107E-01   -0.1808E-01   -0.3273E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 26,  5) (  1, 26,  1)
   -0.1237E-02   -0.4796E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP    9

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  10 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6667E-01   -0.5468E-01   -0.2934E-01   -0.1707E-01   -0.3084E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 26,  5) (  1, 26,  1)
   -0.1164E-02   -0.4512E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   10

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  11 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6635E-01   -0.5162E-01   -0.2772E-01   -0.1618E-01   -0.2909E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 26,  5) (  1, 26,  1)
   -0.1096E-02   -0.4260E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   11

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  12 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
```

```
--------------------------------------------------------------------------
   -0.6525E-01   -0.4889E-01   -0.2625E-01   -0.1538E-01   -0.2751E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 26,  5) (  1, 26,  1)
   -0.1036E-02   -0.4032E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   12

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  13 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
--------------------------------------------------------------------------
   -0.6362E-01   -0.4645E-01   -0.2492E-01   -0.1468E-01   -0.2608E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 26,  5) (  1, 26,  1)
   -0.9819E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   13

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  14 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
--------------------------------------------------------------------------
   -0.6154E-01   -0.4423E-01   -0.2372E-01   -0.1405E-01   -0.2481E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 26,  5) (  1, 26,  1)
   -0.9337E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   14

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  15 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
--------------------------------------------------------------------------
   -0.5933E-01   -0.4227E-01   -0.2264E-01   -0.1348E-01   -0.2366E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 26,  5) (  1, 26,  1)
   -0.8902E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   15

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  16 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
```

```
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.5719E-01   -0.4048E-01   -0.2167E-01   -0.1302E-01   -0.2264E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 25,  7) (  1, 26,  1)
   -0.8514E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   16

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  17 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.5455E-01   -0.3889E-01   -0.2080E-01   -0.1262E-01   -0.2170E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 25,  7) (  1, 26,  1)
   -0.8167E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   17

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  18 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.5240E-01   -0.3749E-01   -0.2003E-01   -0.1227E-01   -0.2089E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 25,  7) (  1, 26,  1)
   -0.7856E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   18

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  19 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.5009E-01   -0.3615E-01   -0.1930E-01   -0.1194E-01   -0.2011E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 25,  7) (  1, 26,  1)
   -0.7566E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   19

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  20 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:
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```
   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
   -0.4760E-01   -0.3498E-01   -0.1866E-01   -0.1164E-01   -0.1944E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)
   -0.7309E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   20

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  21 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
   -0.4608E-01   -0.3390E-01   -0.1808E-01   -0.1146E-01   -0.1882E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)
   -0.7076E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   21

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  22 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
   -0.4364E-01   -0.3292E-01   -0.1755E-01   -0.1128E-01   -0.1825E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)
   -0.6866E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   22

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  23 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
   -0.4186E-01   -0.3206E-01   -0.1707E-01   -0.1111E-01   -0.1774E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)
   -0.6672E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   23

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  24 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:
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   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.4039E-01   -0.3120E-01   -0.1661E-01   -0.1094E-01   -0.1726E-02
 (  1,  5, 22) (  1, 26,  4) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)
   -0.6489E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   24

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  25 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3880E-01   -0.3074E-01   -0.1621E-01   -0.1078E-01   -0.1683E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)
   -0.6330E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   25

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  26 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3821E-01   -0.3032E-01   -0.1583E-01   -0.1062E-01   -0.1642E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 23,  1) (  1, 23, 11) (  1, 26,  1)
   -0.6174E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   26

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  27 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3754E-01   -0.2990E-01   -0.1555E-01   -0.1046E-01   -0.1604E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.6032E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   27

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  28 IN STRESS PERIOD    4
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MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
   -0.3708E-01   -0.2950E-01   -0.1541E-01   -0.1031E-01   -0.1570E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.5901E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   28

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  29 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
   -0.3642E-01   -0.2911E-01   -0.1526E-01   -0.1016E-01   -0.1537E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.5774E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   29

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  30 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
   -0.3577E-01   -0.2872E-01   -0.1510E-01   -0.1002E-01   -0.1505E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.5657E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   30

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  31 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
   -0.3532E-01   -0.2829E-01   -0.1496E-01   -0.9859E-02   -0.1476E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.5542E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   31

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  32 IN STRESS PERIOD    4
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MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3458E-01   -0.2795E-01   -0.1477E-01   -0.9716E-02   -0.1448E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.5438E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   32

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  33 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3406E-01   -0.2754E-01   -0.1461E-01   -0.9579E-02   -0.1422E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.5345E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   33

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  34 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3370E-01   -0.2722E-01   -0.1444E-01   -0.9436E-02   -0.1397E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.5246E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   34

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  35 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3304E-01   -0.2680E-01   -0.1428E-01   -0.9303E-02   -0.1373E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.5157E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   35

SOLVING FOR HEAD
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    6 ITERATIONS FOR TIME STEP  36 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3256E-01   -0.2644E-01   -0.1409E-01   -0.9160E-02   -0.1349E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.5064E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   36

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  37 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3218E-01   -0.2610E-01   -0.1389E-01   -0.9029E-02   -0.1327E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.4980E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   37

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  38 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3140E-01   -0.2574E-01   -0.1373E-01   -0.8902E-02   -0.1304E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.4894E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   38

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  39 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3095E-01   -0.2543E-01   -0.1354E-01   -0.8771E-02   -0.1283E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.4814E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   39
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 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP  40 IN STRESS PERIOD    4

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.3048E-01   -0.2504E-01   -0.1337E-01   -0.8643E-02   -0.1264E-02
  (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
    -0.4738E-03
  (  1, 27,  3)


 NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   40

 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP  41 IN STRESS PERIOD    4

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.3014E-01   -0.2467E-01   -0.1320E-01   -0.8518E-02   -0.1243E-02
  (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
    -0.4665E-03
  (  1, 27,  3)


 NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   41

 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP  42 IN STRESS PERIOD    4

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.2959E-01   -0.2439E-01   -0.1300E-01   -0.8392E-02   -0.1224E-02
  (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
    -0.4589E-03
  (  1, 27,  3)


 NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   42

 SOLVING FOR HEAD
     6 ITERATIONS FOR TIME STEP  43 IN STRESS PERIOD    4

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.2916E-01   -0.2406E-01   -0.1282E-01   -0.8279E-02   -0.1205E-02
  (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
    -0.4520E-03
  (  1, 27,  3)


 NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   43
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SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  44 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2856E-01   -0.2373E-01   -0.1265E-01   -0.8155E-02   -0.1186E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.4442E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   44

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  45 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2835E-01   -0.2339E-01   -0.1247E-01   -0.8033E-02   -0.1169E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.4378E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   45

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  46 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2780E-01   -0.2308E-01   -0.1229E-01   -0.7921E-02   -0.1151E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.4316E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   46

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  47 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2718E-01   -0.2278E-01   -0.1212E-01   -0.7803E-02   -0.1133E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.4242E-03
 (  1, 27,  3)
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```
NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   47

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  48 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2676E-01   -0.2243E-01   -0.1195E-01   -0.7684E-02   -0.1116E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.4180E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   48

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  49 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2660E-01   -0.2215E-01   -0.1178E-01   -0.7583E-02   -0.1101E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.4123E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   49

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  50 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2615E-01   -0.2186E-01   -0.1161E-01   -0.7471E-02   -0.1084E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.4058E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   50

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  51 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2563E-01   -0.2154E-01   -0.1145E-01   -0.7355E-02   -0.1067E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.3994E-03
 (  1, 27,  3)
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NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   51

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  52 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2527E-01   -0.2123E-01   -0.1127E-01   -0.7254E-02   -0.1052E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.3938E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   52

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  53 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2510E-01   -0.2095E-01   -0.1111E-01   -0.7142E-02   -0.1037E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.3876E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   53

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  54 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2469E-01   -0.2067E-01   -0.1096E-01   -0.7040E-02   -0.1021E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.3817E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   54

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  55 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2425E-01   -0.2036E-01   -0.1078E-01   -0.6937E-02   -0.1006E-02
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.3767E-03
 (  1, 27,  3)
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NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   55

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  56 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2365E-01   -0.2006E-01   -0.1064E-01   -0.6834E-02   -0.9910E-03
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   56

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  57 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2348E-01   -0.1990E-01   -0.1048E-01   -0.6741E-02   -0.9764E-03
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   57

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  58 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2311E-01   -0.1955E-01   -0.1033E-01   -0.6632E-02   -0.9625E-03
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   58

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  59 IN STRESS PERIOD    4

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2280E-01   -0.1933E-01   -0.1018E-01   -0.6547E-02   -0.9480E-03
 (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   59

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  60 IN STRESS PERIOD    4
```

```
 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.2243E-01   -0.1908E-01   -0.1002E-01   -0.6448E-02   -0.9353E-03
  (  1,  8, 18) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


 OUTPUT CONTROL FOR STRESS PERIOD    4   TIME STEP   60
    PRINT HEAD FOR ALL LAYERS
1
             HEAD IN LAYER   1 AT END OF TIME STEP  60 IN STRESS PERIOD    4
  ---------------------------------------------------------------------------

           1           2           3           4           5           6
           7           8           9          10          11          12
          13          14          15          16          17          18
          19          20          21          22          23          24
          25          26          27          28          29          30
 ..........................................................................
   1    1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       5003.       5004.
   2    1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       4993.       4997.       5000.
   3    1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       4989.       4992.       4995.
   4    1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       4984.       4986.       4989.
   5    1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       4953.       4955.       4958.
        4961.       4966.       4971.       4977.       4980.       4983.
   6    1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       4951.       4953.       4956.
        4960.       4964.       4968.       4972.       4976.       4978.
   7    1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       4943.       4945.       4949.       4952.       4955.
        4958.       4961.       4965.       4968.       4971.       4975.
   8    1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       4936.
        4938.       4941.       4944.       4947.       4950.       4953.
        4956.       4959.       4962.       4965.       4968.       4970.
   9    1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
```

	1000.	1000.	1000.	1000.	4932.	4934.
	4936.	4939.	4942.	4945.	4948.	4951.
	4955.	4958.	4960.	4962.	4964.	4965.
10	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4928.	4930.	4932.
	4935.	4937.	4940.	4943.	4946.	4949.
	4951.	4954.	4956.	4958.	4959.	4959.
11	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	4925.	4926.	4928.	4931.
	4933.	4936.	4938.	4941.	4943.	4944.
	4943.	4947.	4950.	4952.	4953.	4953.
12	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	4923.	4924.	4926.	4929.
	4932.	4934.	4936.	4938.	4939.	4940.
	4941.	4943.	4945.	4947.	4948.	4948.
13	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	4915.	4917.	4920.	4922.	4924.	4926.
	4929.	4931.	4933.	4934.	4934.	4935.
	4937.	4939.	4941.	4942.	4943.	4944.
14	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	4911.
	4913.	4916.	4918.	4920.	4922.	4924.
	4924.	4927.	4928.	4930.	4930.	4930.
	4933.	4936.	4937.	4939.	4939.	4940.
15	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	4897.	4899.	4902.	4905.	4909.
	4912.	4914.	4917.	4918.	4920.	4920.
	4921.	4922.	4925.	4926.	4928.	4929.
	4931.	4933.	4935.	4936.	4936.	4937.
16	1000.	1000.	1000.	1000.	1000.	1000.
	4893.	4895.	4898.	4901.	4904.	4907.
	4910.	4913.	4914.	4916.	4916.	4916.
	4915.	4919.	4921.	4924.	4925.	4927.
	4929.	4931.	4932.	4933.	4934.	4934.
17	1000.	1000.	1000.	4880.	4882.	4886.
	4890.	4894.	4897.	4900.	4903.	4906.
	4909.	4910.	4911.	4912.	4912.	4912.
	4911.	4915.	4919.	4921.	4924.	4926.
	4927.	4929.	4931.	4932.	4933.	4933.
18	1000.	1000.	4874.	4878.	4881.	4885.
	4889.	4892.	4896.	4899.	4902.	4904.
	4906.	4908.	4909.	4910.	4910.	4909.
	4910.	4913.	4917.	4920.	4922.	4924.
	4926.	4928.	4929.	4930.	1000.	1000.
19	4857.	4864.	4871.	4875.	4880.	4884.
	4887.	4891.	4894.	4897.	4899.	4902.
	4904.	4906.	4907.	4908.	4908.	4908.
	4907.	4912.	4915.	4918.	4921.	4923.
	4925.	4927.	4929.	4929.	1000.	1000.
20	4857.	4863.	4869.	4874.	4878.	4882.
	4886.	4889.	4892.	4895.	4897.	4900.
	4902.	4904.	4906.	4907.	4907.	4907.
	4907.	4911.	4914.	4917.	4920.	4922.
	4924.	1000.	1000.	1000.	1000.	1000.
21	4857.	4862.	4868.	4873.	4877.	4880.
	4884.	4886.	4889.	4892.	4895.	4898.
	4900.	4902.	4905.	4906.	4907.	4908.
	4908.	4910.	4912.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.

```
 22    4857.        4862.        4866.        4870.        4874.        4877.
       4881.        4884.        4887.        4890.        4893.        4897.
       4899.        4901.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
 23    4855.        4860.        4864.        4868.        4871.        4875.
       4878.        4881.        4885.        4888.        4890.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
 24    4853.        4857.        4861.        4865.        4869.        4873.
       4876.        4880.        4883.        4885.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
 25    4851.        4855.        4859.        4863.        4867.        4871.
       4874.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
 26    4849.        4853.        4857.        4862.        4864.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
 27    4848.        4852.        4855.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
 28    1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
 29    1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
 30    1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
 31    1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
       1000.        1000.        1000.        1000.        1000.        1000.
1
             HEAD IN LAYER   2 AT END OF TIME STEP  60 IN STRESS PERIOD    4
  ---------------------------------------------------------------------------

           1            2            3            4            5            6
           7            8            9           10           11           12
          13           14           15           16           17           18
          19           20           21           22           23           24
          25           26           27           28           29           30
 .......................................................................
  1    4432.        4434.        4437.        4441.        4445.        4450.
       4455.        4460.        4466.        4472.        4478.        4484.
       4490.        4496.        4502.        4508.        4514.        4520.
```

	4525.	4531.	4537.	4542.	4548.	4553.
	4558.	4563.	4568.	4573.	4578.	4584.
2	4436.	4440.	4443.	4447.	4452.	4456.
	4461.	4467.	4472.	4478.	4484.	4490.
	4497.	4503.	4509.	4514.	4520.	4526.
	4532.	4538.	4543.	4549.	4554.	4559.
	4565.	4570.	4574.	4579.	4583.	4587.
3	4442.	4446.	4449.	4453.	4458.	4462.
	4467.	4473.	4479.	4485.	4491.	4497.
	4503.	4509.	4515.	4521.	4527.	4533.
	4539.	4544.	4550.	4555.	4561.	4566.
	4571.	4576.	4581.	4585.	4589.	4593.
4	4450.	4452.	4452.	4460.	4464.	4468.
	4471.	4478.	4485.	4491.	4497.	4504.
	4510.	4516.	4522.	4528.	4534.	4540.
	4545.	4551.	4557.	4562.	4568.	4573.
	4578.	4583.	4587.	4592.	4596.	4599.
5	4458.	4461.	4464.	4469.	4472.	4474.
	4472.	4484.	4492.	4498.	4504.	4510.
	4516.	4523.	4529.	4535.	4541.	4546.
	4552.	4558.	4564.	4569.	4575.	4580.
	4585.	4590.	4594.	4599.	4603.	4606.
6	4468.	4471.	4475.	4478.	4482.	4485.
	4487.	4494.	4500.	4505.	4510.	4516.
	4523.	4529.	4536.	4542.	4547.	4553.
	4559.	4565.	4571.	4576.	4582.	4587.
	4592.	4597.	4602.	4606.	4610.	4614.
7	4477.	4481.	4485.	4488.	4492.	4495.
	4499.	4504.	4508.	4512.	4514.	4523.
	4530.	4537.	4543.	4549.	4554.	4560.
	4566.	4572.	4578.	4583.	4589.	4594.
	4599.	4604.	4609.	4613.	4618.	4622.
8	4487.	4491.	4495.	4498.	4502.	4506.
	4509.	4514.	4518.	4522.	4526.	4532.
	4538.	4544.	4550.	4556.	4561.	4567.
	4573.	4579.	4585.	4591.	4596.	4602.
	4607.	4612.	4617.	4621.	4626.	4630.
9	4497.	4501.	4505.	4508.	4512.	4516.
	4520.	4524.	4528.	4532.	4536.	4541.
	4546.	4552.	4557.	4562.	4568.	4574.
	4580.	4587.	4593.	4598.	4604.	4609.
	4615.	4620.	4625.	4629.	4634.	4638.
10	4507.	4511.	4515.	4518.	4522.	4526.
	4530.	4533.	4537.	4541.	4545.	4549.
	4554.	4559.	4564.	4569.	4573.	4581.
	4588.	4594.	4600.	4606.	4612.	4617.
	4623.	4628.	4633.	4637.	4642.	4646.
11	4517.	4521.	4525.	4528.	4532.	4536.
	4540.	4543.	4547.	4551.	4554.	4558.
	4561.	4566.	4572.	4577.	4583.	4589.
	4595.	4602.	4608.	4614.	4620.	4625.
	4631.	4636.	4641.	4646.	4651.	4655.
12	4527.	4531.	4535.	4538.	4542.	4546.
	4550.	4553.	4557.	4560.	4563.	4566.
	4566.	4574.	4580.	4586.	4591.	4597.
	4603.	4609.	4616.	4622.	4628.	4634.
	4639.	4644.	4650.	4655.	4659.	4664.
13	4537.	4541.	4545.	4549.	4552.	4556.
	4560.	4563.	4567.	4570.	4573.	4576.
	4579.	4583.	4588.	4594.	4600.	4605.
	4611.	4617.	4624.	4630.	4636.	4642.
	4648.	4653.	4658.	4663.	4668.	4673.
14	4547.	4551.	4555.	4559.	4562.	4566.

	4570.	4573.	4577.	4580.	4584.	4587.
	4590.	4593.	4594.	4602.	4608.	4613.
	4618.	4625.	4632.	4639.	4645.	4651.
	4657.	4662.	4667.	4672.	4677.	4682.
15	4557.	4561.	4565.	4569.	4573.	4576.
	4580.	4584.	4587.	4591.	4594.	4598.
	4601.	4604.	4608.	4613.	4617.	4621.
	4622.	4632.	4640.	4647.	4654.	4660.
	4666.	4671.	4676.	4682.	4686.	4691.
16	4567.	4571.	4575.	4579.	4583.	4586.
	4590.	4594.	4598.	4601.	4605.	4608.
	4612.	4615.	4619.	4623.	4628.	4632.
	4636.	4643.	4650.	4657.	4663.	4669.
	4675.	4680.	4686.	4691.	4696.	4701.
17	4577.	4581.	4585.	4589.	4593.	4597.
	4600.	4604.	4608.	4612.	4615.	4619.
	4623.	4627.	4630.	4634.	4638.	4642.
	4647.	4653.	4660.	4666.	4673.	4679.
	4684.	4690.	4695.	4700.	4705.	4710.
18	4588.	4591.	4595.	4599.	4603.	4607.
	4611.	4615.	4618.	4622.	4626.	4630.
	4634.	4637.	4641.	4645.	4649.	4653.
	4657.	4663.	4670.	4676.	4683.	4688.
	4694.	4700.	4705.	4710.	4715.	4720.
19	4598.	4602.	4605.	4609.	4613.	4617.
	4621.	4625.	4629.	4633.	4637.	4641.
	4645.	4648.	4652.	4656.	4660.	4663.
	4663.	4673.	4680.	4687.	4693.	4699.
	4704.	4710.	4715.	4720.	4725.	4730.
20	4608.	4612.	4616.	4619.	4623.	4627.
	4631.	4635.	4639.	4643.	4647.	4651.
	4655.	4659.	4663.	4667.	4671.	4675.
	4679.	4685.	4691.	4697.	4703.	4709.
	4714.	4720.	4725.	4730.	4735.	4740.
21	4618.	4622.	4626.	4630.	4634.	4638.
	4642.	4646.	4650.	4654.	4658.	4662.
	4666.	4670.	4674.	4679.	4683.	4687.
	4691.	4697.	4702.	4708.	4714.	4719.
	4725.	4730.	4735.	4740.	4745.	4750.
22	4628.	4632.	4636.	4640.	4644.	4648.
	4652.	4656.	4660.	4664.	4669.	4673.
	4677.	4681.	4686.	4690.	4694.	4699.
	4703.	4708.	4714.	4719.	4725.	4730.
	4735.	4740.	4745.	4750.	4755.	4760.
23	4638.	4642.	4646.	4650.	4654.	4658.
	4662.	4666.	4671.	4675.	4679.	4684.
	4688.	4692.	4697.	4701.	4706.	4710.
	4715.	4720.	4725.	4730.	4735.	4741.
	4746.	4751.	4756.	4760.	4765.	4770.
24	4648.	4651.	4656.	4660.	4664.	4668.
	4672.	4677.	4681.	4686.	4690.	4694.
	4699.	4703.	4708.	4712.	4717.	4721.
	4726.	4731.	4736.	4741.	4746.	4751.
	4756.	4761.	4766.	4771.	4775.	4780.
25	4657.	4661.	4665.	4670.	4674.	4678.
	4683.	4687.	4692.	4696.	4700.	4705.
	4710.	4714.	4719.	4723.	4728.	4733.
	4737.	4742.	4747.	4752.	4757.	4762.
	4767.	4772.	4776.	4781.	4786.	4790.
26	4667.	4671.	4675.	4679.	4684.	4688.
	4693.	4697.	4702.	4706.	4711.	4716.
	4720.	4725.	4730.	4734.	4739.	4744.
	4749.	4753.	4758.	4763.	4768.	4773.

```
         4778.        4782.        4787.        4791.        4796.        4801.
  27     4676.        4680.        4685.        4689.        4694.        4698.
         4703.        4708.        4712.        4717.        4722.        4726.
         4731.        4736.        4741.        4745.        4750.        4755.
         4760.        4765.        4769.        4774.        4779.        4784.
         4788.        4793.        4797.        4802.        4806.        4811.
  28     4685.        4690.        4694.        4699.        4704.        4708.
         4713.        4718.        4723.        4727.        4732.        4737.
         4742.        4747.        4751.        4756.        4761.        4766.
         4771.        4776.        4781.        4785.        4790.        4795.
         4799.        4804.        4808.        4812.        4816.        4820.
  29     4694.        4698.        4703.        4708.        4713.        4718.
         4723.        4728.        4733.        4738.        4743.        4748.
         4753.        4757.        4762.        4767.        4772.        4777.
         4782.        4787.        4792.        4797.        4801.        4806.
         4810.        4815.        4819.        4822.        4826.        4830.
  30     4702.        4707.        4713.        4718.        4723.        4728.
         4733.        4738.        4743.        4748.        4753.        4758.
         4763.        4768.        4773.        4778.        4783.        4788.
         4793.        4798.        4803.        4808.        4813.        4817.
         4822.        4826.        4830.        4833.        4836.        4838.
  31     4707.        4715.        4722.        4728.        4733.        4738.
         4744.        4749.        4754.        4759.        4764.        4769.
         4774.        4779.        4784.        4789.        4794.        4799.
         4804.        4809.        4814.        4819.        4824.        4829.
         4833.        4837.        4841.        4844.        4846.        4845.
1
  VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP   60, STRESS PERIOD   4
  ------------------------------------------------------------------------------

     CUMULATIVE VOLUMES      L**3       RATES FOR THIS TIME STEP      L**3/T
     ------------------                 ------------------------

           IN:                                      IN:
           ---                                      ---
             STORAGE =     92306080.0000             STORAGE =       5849.8433
       CONSTANT HEAD =           0.0000        CONSTANT HEAD =          0.0000
               WELLS =           0.0000                WELLS =          0.0000
     HEAD DEP BOUNDS = 10971496448.0000      HEAD DEP BOUNDS =     497924.0000
            RECHARGE =  4204812544.0000             RECHARGE =     189127.5000

            TOTAL IN = 15268615168.0000             TOTAL IN =     692901.3125

          OUT:                                     OUT:
          ----                                     ----
             STORAGE =     36196132.0000             STORAGE =          0.0000
       CONSTANT HEAD =           0.0000        CONSTANT HEAD =          0.0000
               WELLS =  4687859712.0000                WELLS =     243606.0000
     HEAD DEP BOUNDS = 10544643072.0000      HEAD DEP BOUNDS =     449304.9688
            RECHARGE =           0.0000             RECHARGE =          0.0000

           TOTAL OUT = 15268699136.0000            TOTAL OUT =     692911.0000

            IN - OUT =      -83968.0000             IN - OUT =         -9.6875

 PERCENT DISCREPANCY =           -0.00     PERCENT DISCREPANCY =           -0.00




       TIME SUMMARY AT END OF TIME STEP   60 IN STRESS PERIOD    4
```

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	1.05120E+07	1.75200E+05	2920.0	121.67	0.33311
STRESS PERIOD TIME	6.30720E+08	1.05120E+07	1.75200E+05	7300.0	19.986
TOTAL TIME	1.92369E+09	3.20616E+07	5.34360E+05	22265.	60.958

1
1

STRESS PERIOD NO. 5, LENGTH = 7300.000

NUMBER OF TIME STEPS = 60

MULTIPLIER FOR DELT = 1.000

INITIAL TIME STEP SIZE = 121.6667

WELL NO.	LAYER	ROW	COL	STRESS RATE
1	1	14	19	-2572.
2	1	16	19	-8745.
3	1	17	19	-0.1543E+05
4	1	18	18	-6173.
5	1	19	19	-0.1543E+05
6	1	20	19	-0.1543E+05
7	1	14	24	-0.1081E+05
8	1	11	25	-0.1029E+05
9	1	23	8	-0.1029E+05
10	1	23	5	-0.1029E+05
11	1	23	2	-0.1029E+05
12	2	10	17	-8231.
13	2	14	15	-0.1492E+05
14	2	15	19	-0.2161E+05
15	2	19	19	-0.1903E+05
16	2	5	7	-0.3088E+05
17	2	12	13	-0.1750E+05
18	2	4	3	-0.1750E+05
19	2	7	11	-0.1750E+05
20	2	7	24	-0.1750E+05
21	2	11	25	-0.1750E+05
22	1	14	24	-200.0
23	1	16	24	-200.0
24	1	3	30	-200.0
25	1	14	27	-200.0

25 WELLS

BOUND. NO.	LAYER	ROW	COL	STAGE	CONDUCTANCE
1	1	1	29	5013.	180.0
2	1	1	30	5015.	180.0
3	1	2	30	5013.	180.0
4	1	3	30	5008.	180.0
5	1	4	30	4997.	180.0
6	1	5	30	4992.	180.0
7	1	6	30	4986.	180.0
8	1	7	30	4979.	180.0
9	1	8	30	4973.	180.0
10	1	9	30	4968.	180.0
11	1	10	30	4960.	180.0
12	1	11	30	4955.	180.0
13	1	12	30	4949.	180.0
14	1	13	30	4944.	180.0
15	1	14	30	4938.	180.0

16	1	15	30	4933.	180.0
17	1	16	30	4925.	180.0
18	1	17	30	4924.	180.0
19	1	19	1	4794.	180.0
20	1	20	1	4798.	180.0
21	1	21	1	4798.	180.0
22	1	22	1	4797.	180.0
23	1	23	1	4789.	180.0
24	1	24	1	4781.	180.0
25	1	25	1	4777.	180.0
26	1	26	1	4773.	180.0
27	1	27	1	4765.	180.0
28	2	1	1	4375.	100.00
29	2	2	1	4365.	100.00
30	2	3	1	4395.	100.00
31	2	4	1	4405.	100.00
32	2	5	1	4415.	100.00
33	2	6	1	4425.	100.00
34	2	7	1	4435.	100.00
35	2	8	1	4445.	100.00
36	2	9	1	4455.	100.00
37	2	10	1	4465.	100.00
38	2	11	1	4475.	100.00
39	2	12	1	4485.	100.00
40	2	13	1	4495.	100.00
41	2	14	1	4505.	100.00
42	2	15	1	4515.	100.00
43	2	16	1	4525.	100.00
44	2	17	1	4535.	100.00
45	2	18	1	4545.	100.00
46	2	19	1	4555.	100.00
47	2	20	1	4565.	100.00
48	2	21	1	4575.	100.00
49	2	22	1	4585.	100.00
50	2	23	1	4595.	100.00
51	2	24	1	4605.	100.00
52	2	25	1	4615.	100.00
53	2	26	1	4625.	100.00
54	2	27	1	4635.	100.00
55	2	28	1	4645.	100.00
56	2	29	1	4655.	100.00
57	2	30	1	4665.	100.00
58	2	31	1	4675.	100.00
59	2	1	30	4602.	100.00
60	2	2	30	4612.	100.00
61	2	3	30	4622.	100.00
62	2	4	30	4632.	100.00
63	2	5	30	4642.	100.00
64	2	6	30	4652.	100.00
65	2	7	30	4662.	100.00
66	2	8	30	4672.	100.00
67	2	9	30	4682.	100.00
68	2	10	30	4692.	100.00
69	2	11	30	4702.	100.00
70	2	12	30	4712.	100.00
71	2	13	30	4722.	100.00
72	2	14	30	4732.	100.00
73	2	15	30	4742.	100.00
74	2	16	30	4752.	100.00
75	2	17	30	4762.	100.00
76	2	18	30	4772.	100.00
77	2	19	30	4782.	100.00
78	2	20	30	4792.	100.00

79	2	21	30	4802.	100.00
80	2	22	30	4812.	100.00
81	2	23	30	4822.	100.00
82	2	24	30	4832.	100.00
83	2	25	30	4842.	100.00
84	2	26	30	4852.	100.00
85	2	27	30	4862.	100.00
86	2	28	30	4872.	100.00
87	2	29	30	4882.	100.00
88	2	30	30	4892.	100.00
89	2	31	30	4902.	100.00
90	2	1	2	4353.	100.00
91	2	1	3	4359.	100.00
92	2	1	4	4365.	100.00
93	2	1	5	4371.	100.00
94	2	1	6	4377.	100.00
95	2	1	7	4383.	100.00
96	2	1	8	4388.	100.00
97	2	1	9	4394.	100.00
98	2	1	10	4400.	100.00
99	2	1	11	4406.	100.00
100	2	1	12	4412.	100.00
101	2	1	13	4418.	100.00
102	2	1	14	4424.	100.00
103	2	1	15	4430.	100.00
104	2	1	16	4436.	100.00
105	2	1	17	4441.	100.00
106	2	1	18	4447.	100.00
107	2	1	19	4453.	100.00
108	2	1	20	4459.	100.00
109	2	1	21	4465.	100.00
110	2	1	22	4471.	100.00
111	2	1	23	4477.	100.00
112	2	1	24	4483.	100.00
113	2	1	25	4489.	100.00
114	2	1	26	4495.	100.00
115	2	1	27	4500.	100.00
116	2	1	28	4506.	100.00
117	2	1	29	4512.	100.00
118	2	31	2	4827.	100.00
119	2	31	3	4833.	100.00
120	2	31	4	4839.	100.00
121	2	31	5	4845.	100.00
122	2	31	6	4850.	100.00
123	2	31	7	4856.	100.00
124	2	31	8	4862.	100.00
125	2	31	9	4868.	100.00
126	2	31	10	4874.	100.00
127	2	31	11	4880.	100.00
128	2	31	12	4886.	100.00
129	2	31	13	4892.	100.00
130	2	31	14	4898.	100.00
131	2	31	15	4904.	100.00
132	2	31	16	4909.	100.00
133	2	31	17	4915.	100.00
134	2	31	18	4921.	100.00
135	2	31	19	4927.	100.00
136	2	31	20	4933.	100.00
137	2	31	21	4939.	100.00
138	2	31	22	4945.	100.00
139	2	31	23	4951.	100.00
140	2	31	24	4957.	100.00
141	2	31	25	4962.	100.00

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    142       2      31      26        4968.          100.00
    143       2      31      27        4974.          100.00
    144       2      31      28        4980.          100.00
    145       2      31      29        4986.          100.00

    145 GHB CELLS


                           RECHARGE
 READING ON UNIT   18 WITH FORMAT: (10F8.5)

           1         2         3         4         5         6         7         8         9        10
     11        12        13        14        15
          16        17        18        19        20        21        22        23        24        25
     26        27        28        29        30

..................................................................................
.......................................
   1      0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
   2      0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
   3      0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
   4      0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
   5      0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
   6      0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
   7      0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
   8      0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
   9      0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  10      0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  11      0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
          0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
```

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  12      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  13      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  14      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  15      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  16      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  17      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  18      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  19      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  20      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  21      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  22      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  23      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  24      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  25      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  26      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  27      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
```

```
0.0       0.0       0.0       0.0       0.0       0.0
  28        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  29        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  30        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
  31        0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0
            0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0       0.0
0.0       0.0       0.0       0.0       0.0       0.0

 SOLVING FOR HEAD

    21 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD    5

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
     -5.826        -2.216        -3.708        -4.745        -3.196
  (  2, 11, 25) (  2, 10, 26) (  2,  9, 25) (  2, 10, 23) (  2,  8, 17)
     0.1655        0.3054        0.2851        0.5889       -0.1394
  (  2, 12, 21) (  2, 12, 21) (  2, 13, 21) (  2, 11, 20) (  2, 12, 20)
    -0.1876E-01   -0.3250E-01    0.5824E-01    0.5440E-01   -0.3406E-01
  (  2,  8, 15) (  2,  7, 15) (  2, 19, 13) (  2, 23, 10) (  2, 18, 16)
    -0.4435E-02   -0.8120E-02   -0.8644E-02    0.1789E-01   -0.7643E-02
  (  2, 13, 20) (  2, 13, 20) (  2, 25,  8) (  2, 18, 14) (  2, 23, 19)
    -0.9389E-03
  (  2, 18, 14)


 NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP    1

 SOLVING FOR HEAD
     9 ITERATIONS FOR TIME STEP   2 IN STRESS PERIOD    5

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.3486       -0.3065       -0.1586       -0.7766E-01   -0.1594E-01
  (  1, 23,  2) (  1, 24,  2) (  1, 24,  1) (  1, 26,  5) (  1, 26,  1)
    -0.5617E-02   -0.2054E-02   -0.1410E-02    0.8043E-03
  (  1, 27,  3) (  1, 26,  2) (  1, 27,  3) (  2, 10, 18)


 NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP    2

 SOLVING FOR HEAD
     9 ITERATIONS FOR TIME STEP   3 IN STRESS PERIOD    5

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
```

```
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
   -0.2364       -0.2663       -0.1366       -0.6634E-01   -0.1342E-01
 (  1, 23,  1) (  1, 26,  2) (  1, 24,  1) (  1, 26,  5) (  1, 26,  1)
   -0.4806E-02   -0.1762E-02   -0.1218E-02   -0.1543E-03
 (  1, 27,  3) (  1, 26,  2) (  1, 27,  3) (  1, 24,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP    3

SOLVING FOR HEAD
    9 ITERATIONS FOR TIME STEP   4 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
   -0.2081       -0.2400       -0.1200       -0.5887E-01   -0.1169E-01
 (  1, 19,  1) (  1, 26,  2) (  1, 24,  1) (  1, 26,  5) (  1, 26,  1)
   -0.4219E-02   -0.1558E-02   -0.1083E-02   -0.1375E-03
 (  1, 27,  3) (  1, 26,  2) (  1, 27,  3) (  1, 24,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP    4

SOLVING FOR HEAD
    8 ITERATIONS FOR TIME STEP   5 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
   -0.1964       -0.2150       -0.1069       -0.5326E-01   -0.1038E-01
 (  1, 19,  1) (  1, 26,  2) (  1, 24,  1) (  1, 26,  5) (  1, 26,  1)
   -0.3759E-02   -0.1399E-02   -0.9755E-03
 (  1, 27,  3) (  1, 26,  2) (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP    5

SOLVING FOR HEAD
    8 ITERATIONS FOR TIME STEP   6 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
   -0.1828       -0.1934       -0.9632E-01   -0.4874E-01   -0.9328E-02
 (  1, 19,  1) (  1, 26,  2) (  1, 24,  1) (  1, 26,  5) (  1, 26,  1)
   -0.3387E-02   -0.1270E-02   -0.8872E-03
 (  1, 27,  3) (  1, 26,  2) (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP    6

SOLVING FOR HEAD
    8 ITERATIONS FOR TIME STEP   7 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:
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   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1702       -0.1753       -0.8759E-01   -0.4496E-01   -0.8470E-02
 (  1, 19,  1) (  1, 26,  2) (  1, 24,  1) (  1, 26,  5) (  1, 26,  1)
   -0.3080E-02   -0.1162E-02   -0.8129E-03
 (  1, 27,  3) (  1, 26,  2) (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP    7

SOLVING FOR HEAD
    8 ITERATIONS FOR TIME STEP   8 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1589       -0.1604       -0.8029E-01   -0.4172E-01   -0.7752E-02
 (  1, 19,  1) (  1, 26,  3) (  1, 24,  1) (  1, 26,  5) (  1, 26,  1)
   -0.2821E-02   -0.1070E-02   -0.7495E-03
 (  1, 27,  3) (  1, 26,  2) (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP    8

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP   9 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1487       -0.1480       -0.7411E-01   -0.3892E-01   -0.7146E-02
 (  1, 19,  1) (  1, 26,  3) (  1, 24,  1) (  1, 26,  5) (  1, 26,  1)
   -0.2602E-02   -0.9910E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP    9

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  10 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1396       -0.1374       -0.6880E-01   -0.3646E-01   -0.6624E-02
 (  1, 19,  1) (  1, 26,  3) (  1, 24,  1) (  1, 26,  5) (  1, 26,  1)
   -0.2413E-02   -0.9226E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   10

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  11 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:
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   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1316       -0.1282       -0.6418E-01   -0.3428E-01   -0.6170E-02
 (  1, 19,  1) (  1, 26,  3) (  1, 24,  1) (  1, 26,  5) (  1, 26,  1)
   -0.2247E-02   -0.8620E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   11

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  12 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1244       -0.1201       -0.6013E-01   -0.3233E-01   -0.5773E-02
 (  1, 19,  1) (  1, 26,  3) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
   -0.2102E-02   -0.8087E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   12

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  13 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1178       -0.1133       -0.5666E-01   -0.3058E-01   -0.5420E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
   -0.1973E-02   -0.7613E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   13

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  14 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1117       -0.1071       -0.5353E-01   -0.2900E-01   -0.5105E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
   -0.1858E-02   -0.7184E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   14

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  15 IN STRESS PERIOD    5
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MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1065       -0.1016       -0.5071E-01   -0.2755E-01   -0.4821E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
   -0.1754E-02   -0.6795E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   15

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  16 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1014       -0.9653E-01   -0.4814E-01   -0.2623E-01   -0.4566E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
   -0.1661E-02   -0.6445E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   16

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  17 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.9700E-01   -0.9199E-01   -0.4583E-01   -0.2502E-01   -0.4335E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
   -0.1576E-02   -0.6124E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   17

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  18 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.9265E-01   -0.8781E-01   -0.4368E-01   -0.2389E-01   -0.4122E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
   -0.1498E-02   -0.5830E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   18

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  19 IN STRESS PERIOD    5
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 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.8877E-01   -0.8393E-01   -0.4169E-01   -0.2285E-01   -0.3925E-02
  (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
    -0.1426E-02   -0.5555E-03
  (  1, 27,  3) (  1, 26,  2)


 NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   19

 SOLVING FOR HEAD
     7 ITERATIONS FOR TIME STEP  20 IN STRESS PERIOD    5

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.8525E-01   -0.8035E-01   -0.3987E-01   -0.2189E-01   -0.3746E-02
  (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
    -0.1360E-02   -0.5309E-03
  (  1, 27,  3) (  1, 26,  2)


 NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   20

 SOLVING FOR HEAD
     7 ITERATIONS FOR TIME STEP  21 IN STRESS PERIOD    5

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.8183E-01   -0.7711E-01   -0.3820E-01   -0.2100E-01   -0.3581E-02
  (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
    -0.1300E-02   -0.5077E-03
  (  1, 27,  3) (  1, 26,  2)


 NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   21

 SOLVING FOR HEAD
     7 ITERATIONS FOR TIME STEP  22 IN STRESS PERIOD    5

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.7871E-01   -0.7405E-01   -0.3664E-01   -0.2017E-01   -0.3428E-02
  (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
    -0.1243E-02   -0.4861E-03
  (  1, 27,  3) (  1, 26,  2)


 NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   22

 SOLVING FOR HEAD
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    7 ITERATIONS FOR TIME STEP  23 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.7575E-01   -0.7119E-01   -0.3518E-01   -0.1939E-01   -0.3285E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
   -0.1191E-02   -0.4659E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   23

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  24 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.7293E-01   -0.6852E-01   -0.3381E-01   -0.1865E-01   -0.3151E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 26,  5) (  1, 26,  1)
   -0.1142E-02   -0.4470E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   24

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  25 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.7037E-01   -0.6598E-01   -0.3252E-01   -0.1800E-01   -0.3026E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.1096E-02   -0.4296E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   25

SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  26 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6808E-01   -0.6365E-01   -0.3134E-01   -0.1739E-01   -0.2911E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.1054E-02   -0.4134E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   26
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SOLVING FOR HEAD
    7 ITERATIONS FOR TIME STEP  27 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6563E-01   -0.6145E-01   -0.3021E-01   -0.1681E-01   -0.2802E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.1014E-02   -0.3979E-03
 (  1, 27,  3) (  1, 26,  2)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   27

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  28 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6357E-01   -0.5937E-01   -0.2915E-01   -0.1625E-01   -0.2700E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.9765E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   28

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  29 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.6157E-01   -0.5747E-01   -0.2817E-01   -0.1575E-01   -0.2605E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.9420E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   29

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  30 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.5947E-01   -0.5563E-01   -0.2722E-01   -0.1525E-01   -0.2514E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.9086E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   30
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SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  31 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.5763E-01   -0.5388E-01   -0.2633E-01   -0.1479E-01   -0.2429E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.8774E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   31

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  32 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.5597E-01   -0.5216E-01   -0.2548E-01   -0.1434E-01   -0.2347E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.8475E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   32

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  33 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.5429E-01   -0.5063E-01   -0.2470E-01   -0.1392E-01   -0.2271E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.8199E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   33

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  34 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.5280E-01   -0.4912E-01   -0.2393E-01   -0.1351E-01   -0.2198E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.7931E-03
 (  1, 27,  3)
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NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   34

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  35 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.5125E-01   -0.4769E-01   -0.2321E-01   -0.1313E-01   -0.2130E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.7681E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   35

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  36 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.4979E-01   -0.4635E-01   -0.2253E-01   -0.1276E-01   -0.2064E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.7442E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   36

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  37 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.4832E-01   -0.4504E-01   -0.2187E-01   -0.1241E-01   -0.2002E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 25,  7) (  1, 26,  1)
   -0.7213E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   37

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  38 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.4710E-01   -0.4380E-01   -0.2124E-01   -0.1209E-01   -0.1942E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.6996E-03
 (  1, 27,  3)
```

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NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   38

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  39 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.4594E-01   -0.4262E-01   -0.2066E-01   -0.1181E-01   -0.1886E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.6792E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   39

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  40 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.4468E-01   -0.4146E-01   -0.2008E-01   -0.1153E-01   -0.1831E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.6593E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   40

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  41 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.4352E-01   -0.4039E-01   -0.1954E-01   -0.1126E-01   -0.1780E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.6408E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   41

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  42 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.4239E-01   -0.3935E-01   -0.1902E-01   -0.1100E-01   -0.1731E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.6229E-03
 (  1, 27,  3)
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NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   42

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  43 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.4144E-01   -0.3834E-01   -0.1851E-01   -0.1075E-01   -0.1683E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.6054E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   43

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  44 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.4044E-01   -0.3741E-01   -0.1805E-01   -0.1052E-01   -0.1639E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.5893E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   44

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  45 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3935E-01   -0.3645E-01   -0.1757E-01   -0.1029E-01   -0.1595E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.5734E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   45

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  46 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3858E-01   -0.3563E-01   -0.1716E-01   -0.1006E-01   -0.1555E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.5590E-03
```

```
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   46

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  47 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3768E-01   -0.3472E-01   -0.1672E-01   -0.9844E-02   -0.1514E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.5439E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   47

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  48 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3671E-01   -0.3397E-01   -0.1633E-01   -0.9634E-02   -0.1478E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.5308E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   48

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  49 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3601E-01   -0.3316E-01   -0.1593E-01   -0.9431E-02   -0.1440E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.5172E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   49

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  50 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3520E-01   -0.3242E-01   -0.1557E-01   -0.9235E-02   -0.1406E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
```

```
   -0.5047E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   50

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  51 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3456E-01   -0.3167E-01   -0.1519E-01   -0.9044E-02   -0.1371E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.4920E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   51

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  52 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3377E-01   -0.3100E-01   -0.1486E-01   -0.8860E-02   -0.1340E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.4803E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   52

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  53 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3307E-01   -0.3030E-01   -0.1451E-01   -0.8687E-02   -0.1307E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.4689E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   53

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  54 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3244E-01   -0.2966E-01   -0.1420E-01   -0.8510E-02   -0.1278E-02
```

```
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.4584E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   54

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  55 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3171E-01   -0.2901E-01   -0.1388E-01   -0.8341E-02   -0.1248E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.4473E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   55

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  56 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3116E-01   -0.2845E-01   -0.1358E-01   -0.8180E-02   -0.1221E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.4377E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   56

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  57 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3049E-01   -0.2778E-01   -0.1328E-01   -0.8014E-02   -0.1193E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.4272E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   57

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  58 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
```

```
   -0.3005E-01   -0.2724E-01   -0.1300E-01   -0.7868E-02   -0.1167E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.4182E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   58

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  59 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2931E-01   -0.2671E-01   -0.1275E-01   -0.7710E-02   -0.1143E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.4091E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   59

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  60 IN STRESS PERIOD    5

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2881E-01   -0.2613E-01   -0.1246E-01   -0.7562E-02   -0.1117E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.3998E-03
 (  1, 27,  3)


OUTPUT CONTROL FOR STRESS PERIOD    5   TIME STEP   60
   PRINT HEAD FOR ALL LAYERS
1
             HEAD IN LAYER   1 AT END OF TIME STEP  60 IN STRESS PERIOD    5
  ---------------------------------------------------------------------------

            1            2            3            4            5            6
            7            8            9           10           11           12
           13           14           15           16           17           18
           19           20           21           22           23           24
           25           26           27           28           29           30
 ..................................................................................
   1     1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        5003.        5004.
   2     1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        4993.        4997.        5000.
   3     1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
```

	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4989.	4992.	4995.
4	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4984.	4986.	4989.
5	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4952.	4954.	4957.
	4961.	4965.	4970.	4977.	4980.	4983.
6	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4951.	4953.	4956.
	4959.	4963.	4968.	4972.	4975.	4978.
7	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	4941.	4944.	4948.	4951.	4954.
	4957.	4961.	4965.	4968.	4971.	4974.
8	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	4934.
	4936.	4939.	4942.	4945.	4949.	4952.
	4955.	4959.	4962.	4965.	4967.	4970.
9	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	4930.	4932.
	4935.	4937.	4940.	4944.	4947.	4950.
	4954.	4957.	4960.	4962.	4964.	4964.
10	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4926.	4928.	4930.
	4933.	4936.	4939.	4942.	4945.	4948.
	4950.	4953.	4955.	4957.	4959.	4959.
11	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	4922.	4924.	4926.	4928.
	4931.	4934.	4937.	4940.	4942.	4943.
	4942.	4946.	4949.	4951.	4952.	4953.
12	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	4920.	4922.	4924.	4926.
	4930.	4932.	4934.	4936.	4937.	4938.
	4939.	4942.	4944.	4946.	4947.	4948.
13	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	4911.	4913.	4917.	4919.	4921.	4924.
	4926.	4929.	4931.	4932.	4933.	4933.
	4935.	4938.	4940.	4941.	4942.	4943.
14	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	4907.
	4909.	4912.	4915.	4917.	4919.	4921.
	4922.	4924.	4926.	4927.	4928.	4928.
	4932.	4934.	4936.	4937.	4938.	4939.
15	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	4891.	4893.	4896.	4900.	4904.
	4907.	4910.	4913.	4915.	4916.	4917.
	4918.	4920.	4922.	4924.	4925.	4927.
	4929.	4931.	4933.	4934.	4935.	4935.
16	1000.	1000.	1000.	1000.	1000.	1000.

	4886.	4889.	4892.	4896.	4899.	4903.
	4906.	4909.	4911.	4912.	4912.	4912.
	4912.	4915.	4918.	4921.	4923.	4925.
	4927.	4929.	4931.	4932.	4933.	4933.
17	1000.	1000.	1000.	4872.	4875.	4879.
	4883.	4887.	4891.	4894.	4898.	4901.
	4904.	4906.	4907.	4908.	4909.	4908.
	4907.	4912.	4916.	4919.	4921.	4923.
	4925.	4927.	4929.	4930.	4932.	4932.
18	1000.	1000.	4866.	4869.	4873.	4877.
	4882.	4886.	4889.	4893.	4896.	4899.
	4901.	4903.	4905.	4906.	4906.	4905.
	4906.	4910.	4914.	4917.	4919.	4922.
	4924.	4926.	4927.	4928.	1000.	1000.
19	4847.	4854.	4862.	4867.	4871.	4876.
	4880.	4884.	4888.	4891.	4894.	4896.
	4899.	4901.	4902.	4904.	4904.	4904.
	4903.	4908.	4912.	4915.	4918.	4921.
	4923.	4925.	4927.	4927.	1000.	1000.
20	4847.	4853.	4860.	4865.	4870.	4874.
	4878.	4882.	4885.	4888.	4891.	4894.
	4897.	4899.	4901.	4902.	4903.	4903.
	4903.	4907.	4910.	4914.	4917.	4920.
	4921.	1000.	1000.	1000.	1000.	1000.
21	4847.	4852.	4858.	4863.	4867.	4872.
	4876.	4879.	4882.	4886.	4889.	4892.
	4895.	4897.	4900.	4902.	4903.	4903.
	4904.	4907.	4909.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
22	4846.	4851.	4856.	4860.	4864.	4868.
	4872.	4876.	4879.	4883.	4886.	4891.
	4894.	4896.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
23	4844.	4847.	4852.	4857.	4860.	4865.
	4869.	4872.	4877.	4880.	4883.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
24	4841.	4846.	4850.	4854.	4858.	4863.
	4867.	4871.	4875.	4878.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
25	4839.	4844.	4848.	4852.	4856.	4861.
	4864.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
26	4838.	4842.	4846.	4851.	4854.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
27	4837.	4841.	4844.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
28	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.

```
         1000.        1000.        1000.        1000.        1000.        1000.
  29     1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
  30     1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
  31     1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
         1000.        1000.        1000.        1000.        1000.        1000.
1
              HEAD IN LAYER   2 AT END OF TIME STEP  60 IN STRESS PERIOD    5
  -----------------------------------------------------------------------------

             1            2            3            4            5            6
             7            8            9           10           11           12
            13           14           15           16           17           18
            19           20           21           22           23           24
            25           26           27           28           29           30
 ..............................................................................
   1     4431.        4432.        4435.        4439.        4444.        4448.
         4453.        4458.        4464.        4469.        4475.        4481.
         4487.        4492.        4498.        4504.        4509.        4515.
         4520.        4525.        4531.        4536.        4541.        4546.
         4552.        4557.        4562.        4567.        4572.        4578.
   2     4435.        4438.        4442.        4446.        4450.        4454.
         4459.        4464.        4470.        4476.        4481.        4487.
         4493.        4499.        4504.        4510.        4515.        4521.
         4526.        4532.        4537.        4542.        4547.        4552.
         4557.        4563.        4568.        4573.        4577.        4582.
   3     4441.        4444.        4447.        4452.        4456.        4460.
         4465.        4470.        4476.        4482.        4488.        4494.
         4499.        4505.        4511.        4516.        4522.        4527.
         4532.        4538.        4543.        4548.        4553.        4558.
         4563.        4568.        4573.        4578.        4583.        4587.
   4     4448.        4451.        4450.        4458.        4462.        4466.
         4469.        4476.        4482.        4488.        4494.        4500.
         4506.        4511.        4517.        4523.        4528.        4534.
         4539.        4544.        4549.        4554.        4559.        4564.
         4569.        4574.        4579.        4584.        4589.        4593.
   5     4457.        4460.        4462.        4467.        4470.        4472.
         4470.        4481.        4489.        4495.        4500.        4506.
         4512.        4518.        4524.        4529.        4535.        4540.
         4545.        4550.        4555.        4560.        4565.        4569.
         4575.        4580.        4586.        4591.        4595.        4600.
   6     4466.        4469.        4473.        4476.        4480.        4482.
         4485.        4491.        4496.        4501.        4506.        4512.
         4519.        4525.        4530.        4536.        4541.        4547.
         4552.        4557.        4562.        4566.        4570.        4574.
         4580.        4586.        4592.        4597.        4602.        4607.
   7     4476.        4479.        4483.        4486.        4489.        4493.
         4496.        4501.        4505.        4509.        4510.        4519.
         4526.        4532.        4537.        4543.        4548.        4553.
         4558.        4563.        4568.        4572.        4576.        4577.
         4586.        4593.        4599.        4604.        4609.        4614.
   8     4485.        4489.        4493.        4496.        4500.        4503.
         4507.        4511.        4515.        4518.        4522.        4528.
```

	4533.	4539.	4544.	4550.	4555.	4560.
	4565.	4570.	4575.	4580.	4584.	4588.
	4594.	4600.	4606.	4612.	4617.	4622.
9	4495.	4499.	4503.	4506.	4510.	4513.
	4517.	4521.	4524.	4528.	4532.	4537.
	4541.	4547.	4552.	4556.	4561.	4567.
	4573.	4578.	4583.	4587.	4592.	4596.
	4602.	4608.	4614.	4620.	4625.	4630.
10	4505.	4509.	4513.	4516.	4520.	4523.
	4527.	4530.	4534.	4538.	4541.	4545.
	4549.	4554.	4559.	4563.	4567.	4574.
	4580.	4585.	4590.	4595.	4600.	4604.
	4609.	4615.	4622.	4628.	4633.	4638.
11	4515.	4519.	4523.	4526.	4530.	4533.
	4537.	4540.	4544.	4547.	4550.	4553.
	4556.	4561.	4567.	4572.	4576.	4582.
	4588.	4593.	4599.	4604.	4608.	4612.
	4614.	4623.	4630.	4636.	4642.	4647.
12	4525.	4529.	4533.	4536.	4540.	4543.
	4547.	4550.	4554.	4557.	4560.	4562.
	4561.	4569.	4574.	4580.	4585.	4590.
	4596.	4601.	4607.	4612.	4617.	4622.
	4626.	4633.	4639.	4645.	4651.	4656.
13	4535.	4539.	4543.	4546.	4550.	4553.
	4557.	4560.	4564.	4567.	4570.	4572.
	4574.	4579.	4583.	4588.	4593.	4599.
	4604.	4609.	4615.	4621.	4627.	4632.
	4637.	4643.	4649.	4655.	4661.	4666.
14	4546.	4549.	4553.	4556.	4560.	4564.
	4567.	4570.	4574.	4577.	4580.	4583.
	4586.	4588.	4589.	4597.	4602.	4607.
	4611.	4618.	4624.	4630.	4636.	4642.
	4647.	4653.	4659.	4665.	4670.	4675.
15	4556.	4559.	4563.	4567.	4570.	4574.
	4577.	4581.	4584.	4587.	4591.	4594.
	4597.	4600.	4603.	4607.	4612.	4615.
	4615.	4626.	4633.	4640.	4646.	4652.
	4658.	4663.	4669.	4675.	4680.	4685.
16	4566.	4569.	4573.	4577.	4580.	4584.
	4588.	4591.	4595.	4598.	4601.	4605.
	4608.	4611.	4615.	4619.	4622.	4626.
	4630.	4637.	4643.	4650.	4656.	4662.
	4668.	4673.	4679.	4685.	4690.	4695.
17	4576.	4580.	4583.	4587.	4591.	4594.
	4598.	4601.	4605.	4609.	4612.	4615.
	4619.	4622.	4626.	4630.	4633.	4637.
	4641.	4647.	4654.	4660.	4666.	4672.
	4678.	4684.	4689.	4695.	4700.	4705.
18	4586.	4590.	4593.	4597.	4601.	4605.
	4608.	4612.	4616.	4619.	4623.	4626.
	4630.	4634.	4637.	4641.	4644.	4648.
	4651.	4658.	4664.	4671.	4677.	4683.
	4688.	4694.	4700.	4705.	4710.	4715.
19	4596.	4600.	4604.	4607.	4611.	4615.
	4619.	4622.	4626.	4630.	4634.	4637.
	4641.	4645.	4648.	4652.	4655.	4658.
	4659.	4668.	4675.	4681.	4687.	4693.
	4699.	4704.	4710.	4715.	4721.	4726.
20	4606.	4610.	4614.	4618.	4621.	4625.
	4629.	4633.	4637.	4641.	4644.	4648.
	4652.	4656.	4660.	4663.	4667.	4671.
	4674.	4680.	4687.	4693.	4698.	4704.
	4710.	4715.	4720.	4726.	4731.	4736.

```
 21    4616.       4620.       4624.       4628.       4632.       4636.
       4639.       4643.       4647.       4651.       4655.       4659.
       4663.       4667.       4671.       4675.       4679.       4683.
       4687.       4693.       4698.       4704.       4709.       4715.
       4720.       4726.       4731.       4736.       4741.       4746.
 22    4626.       4630.       4634.       4638.       4642.       4646.
       4650.       4654.       4658.       4662.       4666.       4670.
       4674.       4678.       4682.       4686.       4691.       4695.
       4700.       4705.       4710.       4715.       4721.       4726.
       4731.       4736.       4742.       4747.       4752.       4757.
 23    4636.       4640.       4644.       4648.       4652.       4656.
       4660.       4664.       4668.       4673.       4677.       4681.
       4685.       4689.       4694.       4698.       4702.       4707.
       4711.       4716.       4721.       4726.       4732.       4737.
       4742.       4747.       4752.       4757.       4762.       4767.
 24    4646.       4650.       4654.       4658.       4662.       4666.
       4671.       4675.       4679.       4683.       4687.       4692.
       4696.       4700.       4705.       4709.       4714.       4718.
       4723.       4728.       4733.       4738.       4743.       4748.
       4753.       4758.       4763.       4768.       4773.       4778.
 25    4656.       4660.       4664.       4668.       4672.       4677.
       4681.       4685.       4689.       4694.       4698.       4703.
       4707.       4711.       4716.       4720.       4725.       4730.
       4734.       4739.       4744.       4749.       4754.       4759.
       4764.       4769.       4774.       4778.       4783.       4788.
 26    4666.       4670.       4674.       4678.       4682.       4687.
       4691.       4696.       4700.       4704.       4709.       4713.
       4718.       4722.       4727.       4732.       4736.       4741.
       4746.       4751.       4755.       4760.       4765.       4770.
       4775.       4780.       4784.       4789.       4794.       4798.
 27    4675.       4679.       4683.       4688.       4692.       4697.
       4701.       4706.       4710.       4715.       4720.       4724.
       4729.       4734.       4738.       4743.       4748.       4752.
       4757.       4762.       4767.       4772.       4776.       4781.
       4786.       4790.       4795.       4800.       4804.       4809.
 28    4684.       4689.       4693.       4698.       4702.       4707.
       4712.       4716.       4721.       4726.       4730.       4735.
       4740.       4744.       4749.       4754.       4759.       4764.
       4768.       4773.       4778.       4783.       4788.       4792.
       4797.       4801.       4806.       4810.       4814.       4819.
 29    4693.       4697.       4702.       4707.       4712.       4717.
       4722.       4727.       4731.       4736.       4741.       4746.
       4751.       4755.       4760.       4765.       4770.       4775.
       4780.       4785.       4790.       4794.       4799.       4804.
       4808.       4813.       4817.       4821.       4824.       4828.
 30    4701.       4706.       4712.       4717.       4722.       4727.
       4732.       4737.       4742.       4747.       4752.       4757.
       4761.       4766.       4771.       4776.       4781.       4786.
       4791.       4796.       4801.       4806.       4811.       4815.
       4820.       4824.       4828.       4831.       4834.       4837.
 31    4706.       4714.       4721.       4727.       4732.       4737.
       4742.       4747.       4752.       4757.       4762.       4767.
       4772.       4777.       4782.       4787.       4792.       4797.
       4802.       4807.       4812.       4817.       4822.       4827.
       4831.       4836.       4839.       4842.       4844.       4843.
1
  VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP   60, STRESS PERIOD   5
  -------------------------------------------------------------------------------

     CUMULATIVE VOLUMES      L**3       RATES FOR THIS TIME STEP      L**3/T
     ------------------                 ------------------------

           IN:                                   IN:
```

```
                      ---                                       ---
         STORAGE =   186292656.0000              STORAGE =         7044.7944
   CONSTANT HEAD =          0.0000         CONSTANT HEAD =            0.0000
           WELLS =          0.0000                 WELLS =            0.0000
 HEAD DEP BOUNDS = 14748640256.0000      HEAD DEP BOUNDS =       517751.5625
        RECHARGE =  5587426816.0000             RECHARGE =       189397.5000

        TOTAL IN = 20522358784.0000             TOTAL IN =       714193.8750

       OUT:                                   OUT:
       ----                                   ----
         STORAGE =    36196132.0000              STORAGE =            0.0000
   CONSTANT HEAD =          0.0000         CONSTANT HEAD =            0.0000
           WELLS =  6868426752.0000                WELLS =       298708.0000
 HEAD DEP BOUNDS = 13617874944.0000      HEAD DEP BOUNDS =       415494.0000
        RECHARGE =          0.0000              RECHARGE =            0.0000

       TOTAL OUT = 20522498048.0000            TOTAL OUT =       714202.0000

        IN - OUT =     -139264.0000             IN - OUT =           -8.1250

PERCENT DISCREPANCY =         -0.00     PERCENT DISCREPANCY =          -0.00




        TIME SUMMARY AT END OF TIME STEP   60 IN STRESS PERIOD    5
                   SECONDS     MINUTES      HOURS       DAYS        YEARS
                   -----------------------------------------------------------
   TIME STEP LENGTH 1.05120E+07 1.75200E+05  2920.0      121.67     0.33311
 STRESS PERIOD TIME 6.30720E+08 1.05120E+07 1.75200E+05  7300.0      19.986
         TOTAL TIME 2.55441E+09 4.25735E+07 7.09559E+05  29565.      80.944
1
1
                           STRESS PERIOD NO.    6, LENGTH =   7300.000
                           ----------------------------------------------

                             NUMBER OF TIME STEPS =    60

                              MULTIPLIER FOR DELT =     1.000

                           INITIAL TIME STEP SIZE =   121.6667

 WELL NO.  LAYER   ROW   COL   STRESS RATE
 --------------------------------------------------
      1       1     14     19      -2605.
      2       1     16     19      -8857.
      3       1     17     19     -0.1563E+05
      4       1     18     18      -6252.
      5       1     19     19     -0.1563E+05
      6       1     20     19     -0.1563E+05
      7       1     14     24     -0.1094E+05
      8       1     11     25     -0.1042E+05
      9       1     23      8     -0.1042E+05
     10       1     23      5     -0.1042E+05
     11       1     23      2     -0.1042E+05
     12       2     10     17      -8336.
     13       2     14     15     -0.1511E+05
     14       2     15     19     -0.2188E+05
     15       2     19     19     -0.1928E+05
     16       2      5      7     -0.3127E+05
```

17	2	12	13	-0.1772E+05
18	2	4	3	-0.1772E+05
19	2	7	11	-0.1772E+05
20	2	7	24	-0.1772E+05
21	2	11	25	-0.1772E+05
22	2	23	19	-0.1772E+05
23	2	27	22	-0.1772E+05
24	2	24	29	-0.1772E+05
25	2	29	28	-0.1772E+05
26	2	24	8	-0.1772E+05
27	2	25	2	-0.1772E+05
28	1	14	24	-200.0
29	1	16	24	-200.0
30	1	3	30	-200.0
31	1	14	27	-200.0

31 WELLS

BOUND. NO.	LAYER	ROW	COL	STAGE	CONDUCTANCE
1	1	1	29	5013.	180.0
2	1	1	30	5015.	180.0
3	1	2	30	5013.	180.0
4	1	3	30	5008.	180.0
5	1	4	30	4997.	180.0
6	1	5	30	4992.	180.0
7	1	6	30	4986.	180.0
8	1	7	30	4979.	180.0
9	1	8	30	4973.	180.0
10	1	9	30	4968.	180.0
11	1	10	30	4960.	180.0
12	1	11	30	4955.	180.0
13	1	12	30	4949.	180.0
14	1	13	30	4944.	180.0
15	1	14	30	4938.	180.0
16	1	15	30	4933.	180.0
17	1	16	30	4925.	180.0
18	1	17	30	4924.	180.0
19	1	19	1	4794.	180.0
20	1	20	1	4798.	180.0
21	1	21	1	4798.	180.0
22	1	22	1	4797.	180.0
23	1	23	1	4789.	180.0
24	1	24	1	4781.	180.0
25	1	25	1	4777.	180.0
26	1	26	1	4773.	180.0
27	1	27	1	4765.	180.0
28	2	1	1	4375.	100.00
29	2	2	1	4365.	100.00
30	2	3	1	4395.	100.00
31	2	4	1	4405.	100.00
32	2	5	1	4415.	100.00
33	2	6	1	4425.	100.00
34	2	7	1	4435.	100.00
35	2	8	1	4445.	100.00
36	2	9	1	4455.	100.00
37	2	10	1	4465.	100.00
38	2	11	1	4475.	100.00
39	2	12	1	4485.	100.00
40	2	13	1	4495.	100.00
41	2	14	1	4505.	100.00
42	2	15	1	4515.	100.00
43	2	16	1	4525.	100.00

44	2	17	1	4535.	100.00
45	2	18	1	4545.	100.00
46	2	19	1	4555.	100.00
47	2	20	1	4565.	100.00
48	2	21	1	4575.	100.00
49	2	22	1	4585.	100.00
50	2	23	1	4595.	100.00
51	2	24	1	4605.	100.00
52	2	25	1	4615.	100.00
53	2	26	1	4625.	100.00
54	2	27	1	4635.	100.00
55	2	28	1	4645.	100.00
56	2	29	1	4655.	100.00
57	2	30	1	4665.	100.00
58	2	31	1	4675.	100.00
59	2	1	30	4602.	100.00
60	2	2	30	4612.	100.00
61	2	3	30	4622.	100.00
62	2	4	30	4632.	100.00
63	2	5	30	4642.	100.00
64	2	6	30	4652.	100.00
65	2	7	30	4662.	100.00
66	2	8	30	4672.	100.00
67	2	9	30	4682.	100.00
68	2	10	30	4692.	100.00
69	2	11	30	4702.	100.00
70	2	12	30	4712.	100.00
71	2	13	30	4722.	100.00
72	2	14	30	4732.	100.00
73	2	15	30	4742.	100.00
74	2	16	30	4752.	100.00
75	2	17	30	4762.	100.00
76	2	18	30	4772.	100.00
77	2	19	30	4782.	100.00
78	2	20	30	4792.	100.00
79	2	21	30	4802.	100.00
80	2	22	30	4812.	100.00
81	2	23	30	4822.	100.00
82	2	24	30	4832.	100.00
83	2	25	30	4842.	100.00
84	2	26	30	4852.	100.00
85	2	27	30	4862.	100.00
86	2	28	30	4872.	100.00
87	2	29	30	4882.	100.00
88	2	30	30	4892.	100.00
89	2	31	30	4902.	100.00
90	2	1	2	4353.	100.00
91	2	1	3	4359.	100.00
92	2	1	4	4365.	100.00
93	2	1	5	4371.	100.00
94	2	1	6	4377.	100.00
95	2	1	7	4383.	100.00
96	2	1	8	4388.	100.00
97	2	1	9	4394.	100.00
98	2	1	10	4400.	100.00
99	2	1	11	4406.	100.00
100	2	1	12	4412.	100.00
101	2	1	13	4418.	100.00
102	2	1	14	4424.	100.00
103	2	1	15	4430.	100.00
104	2	1	16	4436.	100.00
105	2	1	17	4441.	100.00
106	2	1	18	4447.	100.00

```
   107        2       1      19        4453.          100.00
   108        2       1      20        4459.          100.00
   109        2       1      21        4465.          100.00
   110        2       1      22        4471.          100.00
   111        2       1      23        4477.          100.00
   112        2       1      24        4483.          100.00
   113        2       1      25        4489.          100.00
   114        2       1      26        4495.          100.00
   115        2       1      27        4500.          100.00
   116        2       1      28        4506.          100.00
   117        2       1      29        4512.          100.00
   118        2      31       2        4827.          100.00
   119        2      31       3        4833.          100.00
   120        2      31       4        4839.          100.00
   121        2      31       5        4845.          100.00
   122        2      31       6        4850.          100.00
   123        2      31       7        4856.          100.00
   124        2      31       8        4862.          100.00
   125        2      31       9        4868.          100.00
   126        2      31      10        4874.          100.00
   127        2      31      11        4880.          100.00
   128        2      31      12        4886.          100.00
   129        2      31      13        4892.          100.00
   130        2      31      14        4898.          100.00
   131        2      31      15        4904.          100.00
   132        2      31      16        4909.          100.00
   133        2      31      17        4915.          100.00
   134        2      31      18        4921.          100.00
   135        2      31      19        4927.          100.00
   136        2      31      20        4933.          100.00
   137        2      31      21        4939.          100.00
   138        2      31      22        4945.          100.00
   139        2      31      23        4951.          100.00
   140        2      31      24        4957.          100.00
   141        2      31      25        4962.          100.00
   142        2      31      26        4968.          100.00
   143        2      31      27        4974.          100.00
   144        2      31      28        4980.          100.00
   145        2      31      29        4986.          100.00

   145 GHB CELLS


                                   RECHARGE
 READING ON UNIT   18 WITH FORMAT: (10F8.5)

          1       2       3       4       5       6       7       8       9      10
    11      12      13      14      15
         16      17      18      19      20      21      22      23      24      25
    26      27      28      29      30

............................................................................................
.......................................
   1      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   2      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
          0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
   3      0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
```

```
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   4       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   5       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   6       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   7       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   8       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
   9       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  10       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  11       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  12       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  13       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  14       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  15       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  16       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  17       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
  18       0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
           0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0      0.0
0.0      0.0      0.0      0.0      0.0      0.0
```

```
  19     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  20     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  21     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  22     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  23     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  24     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  25     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  26     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  27     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  28     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  29     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  30     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
  31     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0
         0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0     0.0
0.0     0.0     0.0     0.0     0.0     0.0

 SOLVING FOR HEAD

    21 ITERATIONS FOR TIME STEP   1 IN STRESS PERIOD    6

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE    HEAD CHANGE    HEAD CHANGE    HEAD CHANGE    HEAD CHANGE
  LAYER,ROW,COL  LAYER,ROW,COL  LAYER,ROW,COL  LAYER,ROW,COL  LAYER,ROW,COL
 ----------------------------------------------------------------------
     -6.166         -3.325         -6.114         -7.664         -8.051
```

```
 (  2, 24, 29) (  2, 28, 29) (  2, 28, 26) (  2, 25, 25) (  2, 21, 21)
    0.2308        0.4348        0.4910        0.7652       -0.3054
 (  2, 30, 30) (  2, 31, 30) (  2, 29, 28) (  2, 25, 23) (  2, 13, 18)
    0.2066E-01    0.4150E-01    0.7320E-01    0.1448       -0.6367E-01
 (  2,  8, 23) (  2,  7, 24) (  2,  7, 24) (  2, 11, 20) (  2, 17, 14)
   -0.4199E-02   -0.7156E-02   -0.1407E-01    0.1872E-01   -0.9682E-02
 (  2, 12, 19) (  2, 12, 19) (  2, 10, 21) (  2, 19, 14) (  2, 22, 17)
   -0.7590E-03
 (  2, 18, 13)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP    1

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   2 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.3080E-01   -0.3001E-01   -0.1500E-01   -0.1447E-01   -0.1794E-01
 (  1, 21, 19) (  1, 25,  6) (  1, 19, 19) (  2, 20, 14) (  2, 20, 19)
   -0.4551E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP    2

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   3 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2992E-01   -0.2907E-01   -0.1408E-01   -0.8173E-02   -0.1234E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.4395E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP    3

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   4 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2987E-01   -0.2831E-01   -0.1342E-01   -0.8026E-02   -0.1197E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)
   -0.4267E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP    4

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   5 IN STRESS PERIOD    6
```

```
MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2921E-01   -0.2758E-01   -0.1300E-01   -0.7881E-02   -0.1163E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.4150E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP    5

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   6 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2893E-01   -0.2694E-01   -0.1270E-01   -0.7740E-02   -0.1135E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.4054E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP    6

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   7 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2824E-01   -0.2626E-01   -0.1241E-01   -0.7600E-02   -0.1108E-02
 (  1, 19,  1) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.3953E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP    7

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP   8 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2788E-01   -0.2575E-01   -0.1216E-01   -0.7453E-02   -0.1084E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.3868E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP    8

SOLVING FOR HEAD
```

```
    6 ITERATIONS FOR TIME STEP   9 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2758E-01   -0.2517E-01   -0.1190E-01   -0.7318E-02   -0.1060E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.3781E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP    9

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  10 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2706E-01   -0.2467E-01   -0.1166E-01   -0.7186E-02   -0.1038E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.3704E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   10

SOLVING FOR HEAD
    6 ITERATIONS FOR TIME STEP  11 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2672E-01   -0.2423E-01   -0.1144E-01   -0.7054E-02   -0.1018E-02
 (  1, 17,  4) (  1, 26,  4) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)
   -0.3632E-03
 (  1, 27,  3)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   11

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  12 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2631E-01   -0.2381E-01   -0.1122E-01   -0.6928E-02   -0.9969E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   12

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  13 IN STRESS PERIOD    6
```

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MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2582E-01   -0.2343E-01   -0.1101E-01   -0.6807E-02   -0.9778E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   13

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  14 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2548E-01   -0.2304E-01   -0.1082E-01   -0.6685E-02   -0.9597E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   14

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  15 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2513E-01   -0.2267E-01   -0.1062E-01   -0.6566E-02   -0.9413E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   15

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  16 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2457E-01   -0.2226E-01   -0.1042E-01   -0.6448E-02   -0.9242E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   16

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  17 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2417E-01   -0.2191E-01   -0.1023E-01   -0.6336E-02   -0.9065E-03
```

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 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   17

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  18 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2387E-01   -0.2156E-01   -0.1006E-01   -0.6225E-02   -0.8907E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   18

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  19 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2340E-01   -0.2115E-01   -0.9876E-02   -0.6113E-02   -0.8730E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   19

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  20 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2303E-01   -0.2081E-01   -0.9703E-02   -0.6007E-02   -0.8585E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   20

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  21 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2275E-01   -0.2047E-01   -0.9525E-02   -0.5905E-02   -0.8415E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   21

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  22 IN STRESS PERIOD    6
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MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2229E-01   -0.2018E-01   -0.9364E-02   -0.5808E-02   -0.8273E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   22

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  23 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2192E-01   -0.1983E-01   -0.9199E-02   -0.5706E-02   -0.8122E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   23

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  24 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2159E-01   -0.1951E-01   -0.9046E-02   -0.5613E-02   -0.7984E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   24

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  25 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2134E-01   -0.1919E-01   -0.8885E-02   -0.5516E-02   -0.7835E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 23,  2) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   25

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  26 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2090E-01   -0.1883E-01   -0.8734E-02   -0.5413E-02   -0.7699E-03
```

```
 (   1, 17,  4) (   1, 23, 11) (   1, 23,  2) (   1, 23, 11) (   1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   26

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  27 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2051E-01   -0.1853E-01   -0.8576E-02   -0.5322E-02   -0.7559E-03
 (   1, 17,  4) (   1, 23, 11) (   1, 23,  2) (   1, 23, 11) (   1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   27

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  28 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.2040E-01   -0.1826E-01   -0.8446E-02   -0.5240E-02   -0.7439E-03
 (   1, 17,  4) (   1, 23, 11) (   1, 23,  2) (   1, 23, 11) (   1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   28

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  29 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1991E-01   -0.1797E-01   -0.8289E-02   -0.5150E-02   -0.7297E-03
 (   1, 15,  8) (   1, 23, 11) (   1, 23,  2) (   1, 23, 11) (   1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   29

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  30 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1964E-01   -0.1769E-01   -0.8151E-02   -0.5065E-02   -0.7169E-03
 (   1, 15,  8) (   1, 23, 11) (   1, 23,  2) (   1, 23, 11) (   1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   30

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  31 IN STRESS PERIOD    6
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MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1922E-01   -0.1739E-01   -0.8023E-02   -0.4981E-02   -0.7046E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   31

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  32 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1900E-01   -0.1711E-01   -0.7917E-02   -0.4898E-02   -0.6924E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   32

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  33 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1879E-01   -0.1687E-01   -0.7787E-02   -0.4817E-02   -0.6801E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   33

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  34 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1836E-01   -0.1660E-01   -0.7663E-02   -0.4739E-02   -0.6687E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   34

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  35 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1814E-01   -0.1628E-01   -0.7540E-02   -0.4654E-02   -0.6575E-03
```

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 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   35

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  36 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1776E-01   -0.1606E-01   -0.7429E-02   -0.4584E-02   -0.6461E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   36

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  37 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1765E-01   -0.1583E-01   -0.7331E-02   -0.4512E-02   -0.6359E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   37

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  38 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1730E-01   -0.1557E-01   -0.7199E-02   -0.4434E-02   -0.6249E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   38

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  39 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1699E-01   -0.1531E-01   -0.7102E-02   -0.4361E-02   -0.6145E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   39

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  40 IN STRESS PERIOD    6
```

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 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.1680E-01   -0.1505E-01   -0.6992E-02   -0.4291E-02   -0.6034E-03
  (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


 NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   40

 SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  41 IN STRESS PERIOD    6

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.1653E-01   -0.1487E-01   -0.6882E-02   -0.4227E-02   -0.5934E-03
  (  1, 17,  4) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


 NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   41

 SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  42 IN STRESS PERIOD    6

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.1633E-01   -0.1461E-01   -0.6786E-02   -0.4151E-02   -0.5845E-03
  (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


 NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   42

 SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  43 IN STRESS PERIOD    6

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.1605E-01   -0.1441E-01   -0.6679E-02   -0.4089E-02   -0.5729E-03
  (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


 NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   43

 SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  44 IN STRESS PERIOD    6

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.1569E-01   -0.1412E-01   -0.6585E-02   -0.4016E-02   -0.5636E-03
```

```
 (  1, 17,  4) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   44

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  45 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1547E-01   -0.1394E-01   -0.6476E-02   -0.3956E-02   -0.5555E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   45

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  46 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1531E-01   -0.1375E-01   -0.6377E-02   -0.3899E-02   -0.5468E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   46

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  47 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1518E-01   -0.1351E-01   -0.6297E-02   -0.3830E-02   -0.5366E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   47

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  48 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1485E-01   -0.1329E-01   -0.6184E-02   -0.3767E-02   -0.5269E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   48

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  49 IN STRESS PERIOD    6
```

```
MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1453E-01   -0.1308E-01   -0.6088E-02   -0.3707E-02   -0.5187E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   49

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  50 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1434E-01   -0.1289E-01   -0.5993E-02   -0.3651E-02   -0.5123E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   50

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  51 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1422E-01   -0.1275E-01   -0.5904E-02   -0.3600E-02   -0.5025E-03
 (  1, 17,  4) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   51

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  52 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1390E-01   -0.1251E-01   -0.5814E-02   -0.3535E-02   -0.4949E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   52

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  53 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1387E-01   -0.1231E-01   -0.5741E-02   -0.3480E-02   -0.4870E-03
```

```
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   53

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  54 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1352E-01   -0.1211E-01   -0.5650E-02   -0.3423E-02   -0.4787E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   54

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  55 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1326E-01   -0.1193E-01   -0.5560E-02   -0.3373E-02   -0.4717E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   55

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  56 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1312E-01   -0.1176E-01   -0.5471E-02   -0.3317E-02   -0.4633E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   56

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  57 IN STRESS PERIOD    6

MAXIMUM HEAD CHANGE FOR EACH ITERATION:

   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
 LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
----------------------------------------------------------------------
   -0.1296E-01   -0.1158E-01   -0.5386E-02   -0.3267E-02   -0.4554E-03
 (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   57

SOLVING FOR HEAD
    5 ITERATIONS FOR TIME STEP  58 IN STRESS PERIOD    6
```

```
 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.1274E-01   -0.1141E-01   -0.5318E-02   -0.3215E-02   -0.4482E-03
  (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


 NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   58

 SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  59 IN STRESS PERIOD    6

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.1267E-01   -0.1123E-01   -0.5219E-02   -0.3158E-02   -0.4403E-03
  (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


 NO OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   59

 SOLVING FOR HEAD
     5 ITERATIONS FOR TIME STEP  60 IN STRESS PERIOD    6

 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

    HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE   HEAD CHANGE
  LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL LAYER,ROW,COL
 ----------------------------------------------------------------------
    -0.1228E-01   -0.1102E-01   -0.5142E-02   -0.3111E-02   -0.4340E-03
  (  1, 15,  8) (  1, 23, 11) (  1, 19, 19) (  1, 23, 11) (  1, 26,  1)


 OUTPUT CONTROL FOR STRESS PERIOD    6   TIME STEP   60
    PRINT HEAD FOR ALL LAYERS
1
             HEAD IN LAYER   1 AT END OF TIME STEP  60 IN STRESS PERIOD    6
  ---------------------------------------------------------------------------

            1           2           3           4           5           6
            7           8           9          10          11          12
           13          14          15          16          17          18
           19          20          21          22          23          24
           25          26          27          28          29          30
 ..............................................................................
   1     1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       5002.       5004.
   2     1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       4993.       4997.       5000.
   3     1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
         1000.       1000.       1000.       1000.       1000.       1000.
```

	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4989.	4992.	4995.
4	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4984.	4986.	4989.
5	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4952.	4954.	4957.
	4961.	4965.	4970.	4977.	4980.	4983.
6	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4950.	4952.	4955.
	4959.	4963.	4967.	4972.	4975.	4978.
7	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	4941.	4943.	4947.	4950.	4953.
	4957.	4961.	4964.	4968.	4971.	4974.
8	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	4933.
	4935.	4938.	4941.	4945.	4948.	4951.
	4955.	4958.	4962.	4964.	4967.	4970.
9	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	4929.	4931.
	4933.	4936.	4939.	4943.	4946.	4949.
	4953.	4956.	4959.	4962.	4963.	4964.
10	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	4924.	4926.	4929.
	4932.	4934.	4938.	4941.	4944.	4947.
	4949.	4952.	4955.	4957.	4958.	4958.
11	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	4920.	4922.	4924.	4927.
	4930.	4933.	4935.	4939.	4941.	4942.
	4941.	4946.	4949.	4951.	4952.	4952.
12	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	4918.	4920.	4922.	4925.
	4928.	4931.	4933.	4935.	4936.	4937.
	4938.	4941.	4943.	4945.	4946.	4947.
13	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	4909.	4911.	4915.	4917.	4920.	4922.
	4925.	4927.	4929.	4930.	4931.	4932.
	4934.	4937.	4939.	4940.	4942.	4942.
14	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	4905.
	4907.	4910.	4913.	4915.	4918.	4919.
	4920.	4922.	4924.	4926.	4927.	4926.
	4930.	4933.	4935.	4936.	4937.	4938.
15	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	4889.	4891.	4894.	4898.	4902.
	4905.	4908.	4911.	4913.	4914.	4915.
	4916.	4918.	4920.	4922.	4924.	4925.
	4928.	4930.	4932.	4933.	4934.	4935.
16	1000.	1000.	1000.	1000.	1000.	1000.

	4884.	4887.	4890.	4893.	4897.	4901.
	4904.	4907.	4909.	4910.	4910.	4910.
	4909.	4913.	4917.	4919.	4921.	4923.
	4926.	4928.	4929.	4931.	4932.	4932.
17	1000.	1000.	1000.	4870.	4872.	4876.
	4881.	4885.	4889.	4892.	4896.	4899.
	4902.	4904.	4905.	4906.	4906.	4906.
	4905.	4910.	4914.	4917.	4919.	4922.
	4924.	4926.	4928.	4929.	4931.	4931.
18	1000.	1000.	4863.	4867.	4871.	4875.
	4879.	4883.	4887.	4891.	4894.	4897.
	4899.	4901.	4902.	4903.	4904.	4903.
	4904.	4908.	4912.	4915.	4918.	4920.
	4922.	4924.	4926.	4927.	1000.	1000.
19	4845.	4852.	4859.	4865.	4869.	4874.
	4878.	4882.	4886.	4889.	4892.	4894.
	4897.	4899.	4900.	4901.	4902.	4902.
	4901.	4906.	4910.	4913.	4916.	4919.
	4921.	4924.	4925.	4926.	1000.	1000.
20	4845.	4851.	4857.	4863.	4868.	4872.
	4876.	4880.	4883.	4886.	4889.	4892.
	4894.	4897.	4899.	4900.	4901.	4901.
	4900.	4905.	4908.	4912.	4916.	4918.
	4920.	1000.	1000.	1000.	1000.	1000.
21	4844.	4850.	4856.	4861.	4865.	4869.
	4873.	4877.	4880.	4883.	4887.	4890.
	4893.	4895.	4898.	4899.	4900.	4901.
	4902.	4904.	4906.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
22	4844.	4848.	4853.	4858.	4862.	4866.
	4870.	4873.	4877.	4881.	4884.	4889.
	4891.	4893.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
23	4841.	4845.	4850.	4854.	4857.	4863.
	4867.	4870.	4874.	4878.	4881.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
24	4839.	4843.	4848.	4852.	4856.	4860.
	4864.	4869.	4873.	4875.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
25	4837.	4842.	4846.	4850.	4854.	4859.
	4861.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
26	4836.	4840.	4844.	4848.	4851.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
27	4835.	4839.	4841.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
28	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.
	1000.	1000.	1000.	1000.	1000.	1000.

```
        1000.       1000.       1000.       1000.       1000.       1000.
  29    1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
  30    1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
  31    1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
        1000.       1000.       1000.       1000.       1000.       1000.
1
              HEAD IN LAYER   2 AT END OF TIME STEP  60 IN STRESS PERIOD    6
  ---------------------------------------------------------------------------

            1           2           3           4           5           6
            7           8           9          10          11          12
           13          14          15          16          17          18
           19          20          21          22          23          24
           25          26          27          28          29          30
 ........................................................................
   1    4428.       4429.       4432.       4436.       4440.       4444.
        4449.       4454.       4460.       4465.       4471.       4477.
        4482.       4488.       4494.       4499.       4505.       4510.
        4516.       4521.       4526.       4532.       4537.       4542.
        4548.       4553.       4559.       4564.       4569.       4575.
   2    4431.       4435.       4438.       4442.       4446.       4450.
        4455.       4460.       4465.       4471.       4477.       4482.
        4488.       4494.       4499.       4505.       4511.       4516.
        4521.       4527.       4532.       4537.       4543.       4548.
        4553.       4559.       4564.       4569.       4574.       4579.
   3    4438.       4441.       4443.       4448.       4452.       4456.
        4460.       4465.       4471.       4477.       4483.       4488.
        4494.       4500.       4505.       4511.       4516.       4522.
        4527.       4532.       4538.       4543.       4548.       4553.
        4559.       4564.       4569.       4574.       4579.       4584.
   4    4445.       4447.       4446.       4453.       4458.       4461.
        4464.       4470.       4477.       4483.       4488.       4494.
        4500.       4506.       4511.       4517.       4522.       4528.
        4533.       4538.       4543.       4548.       4553.       4559.
        4564.       4569.       4575.       4580.       4585.       4589.
   5    4453.       4456.       4458.       4462.       4465.       4467.
        4464.       4475.       4483.       4489.       4494.       4500.
        4506.       4512.       4517.       4523.       4528.       4534.
        4539.       4544.       4549.       4554.       4559.       4564.
        4569.       4575.       4581.       4586.       4591.       4596.
   6    4462.       4465.       4468.       4471.       4474.       4477.
        4479.       4485.       4490.       4495.       4499.       4506.
        4512.       4518.       4524.       4529.       4534.       4540.
        4545.       4550.       4555.       4560.       4564.       4568.
        4574.       4581.       4587.       4592.       4597.       4602.
   7    4471.       4475.       4478.       4481.       4484.       4487.
        4490.       4494.       4498.       4502.       4503.       4512.
        4518.       4524.       4530.       4535.       4541.       4546.
        4551.       4556.       4561.       4565.       4569.       4570.
        4580.       4587.       4593.       4599.       4604.       4609.
   8    4481.       4484.       4487.       4490.       4494.       4497.
        4500.       4504.       4507.       4511.       4514.       4520.
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	4526.	4531.	4536.	4542.	4547.	4552.
	4558.	4563.	4568.	4572.	4576.	4581.
	4587.	4594.	4600.	4606.	4612.	4617.
9	4490.	4494.	4497.	4500.	4503.	4506.
	4510.	4513.	4517.	4520.	4524.	4528.
	4533.	4538.	4543.	4548.	4553.	4558.
	4564.	4569.	4574.	4579.	4584.	4589.
	4594.	4601.	4607.	4613.	4619.	4625.
10	4500.	4503.	4506.	4510.	4513.	4516.
	4519.	4523.	4526.	4529.	4533.	4536.
	4540.	4545.	4550.	4554.	4558.	4565.
	4571.	4576.	4582.	4587.	4591.	4596.
	4601.	4608.	4614.	4621.	4627.	4633.
11	4510.	4513.	4516.	4519.	4522.	4526.
	4529.	4532.	4535.	4538.	4541.	4544.
	4547.	4552.	4557.	4562.	4567.	4572.
	4578.	4584.	4589.	4594.	4599.	4603.
	4605.	4615.	4622.	4629.	4635.	4641.
12	4519.	4523.	4526.	4529.	4532.	4535.
	4538.	4541.	4544.	4547.	4550.	4552.
	4551.	4559.	4564.	4569.	4575.	4580.
	4585.	4591.	4597.	4602.	4607.	4612.
	4617.	4624.	4631.	4638.	4644.	4650.
13	4529.	4532.	4535.	4538.	4542.	4545.
	4548.	4551.	4554.	4557.	4559.	4562.
	4564.	4568.	4572.	4577.	4582.	4587.
	4592.	4598.	4604.	4610.	4616.	4622.
	4627.	4634.	4640.	4646.	4653.	4658.
14	4539.	4542.	4545.	4548.	4551.	4554.
	4557.	4560.	4563.	4566.	4569.	4572.
	4574.	4577.	4577.	4585.	4590.	4595.
	4599.	4606.	4612.	4619.	4625.	4631.
	4637.	4643.	4649.	4655.	4662.	4668.
15	4548.	4551.	4554.	4558.	4561.	4564.
	4567.	4570.	4573.	4576.	4579.	4582.
	4585.	4587.	4590.	4595.	4599.	4602.
	4603.	4613.	4621.	4628.	4634.	4640.
	4646.	4652.	4658.	4665.	4671.	4677.
16	4558.	4561.	4564.	4567.	4570.	4573.
	4577.	4580.	4583.	4586.	4589.	4592.
	4595.	4598.	4601.	4605.	4609.	4613.
	4616.	4623.	4630.	4637.	4643.	4649.
	4655.	4662.	4668.	4674.	4680.	4686.
17	4567.	4570.	4574.	4577.	4580.	4583.
	4586.	4589.	4593.	4596.	4599.	4602.
	4605.	4609.	4612.	4615.	4619.	4623.
	4627.	4633.	4639.	4646.	4652.	4659.
	4665.	4671.	4677.	4683.	4689.	4695.
18	4577.	4580.	4583.	4586.	4589.	4592.
	4596.	4599.	4602.	4606.	4609.	4612.
	4616.	4619.	4622.	4626.	4629.	4632.
	4636.	4642.	4649.	4655.	4662.	4668.
	4674.	4680.	4686.	4692.	4698.	4704.
19	4586.	4589.	4592.	4596.	4599.	4602.
	4605.	4609.	4612.	4616.	4619.	4623.
	4626.	4629.	4633.	4636.	4639.	4641.
	4642.	4651.	4659.	4665.	4672.	4678.
	4684.	4690.	4696.	4702.	4708.	4714.
20	4596.	4599.	4602.	4605.	4608.	4611.
	4615.	4618.	4622.	4626.	4629.	4633.
	4636.	4640.	4643.	4647.	4650.	4653.
	4656.	4662.	4669.	4675.	4681.	4687.
	4693.	4699.	4705.	4711.	4717.	4723.

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 21     4605.       4608.       4611.       4614.       4617.       4621.
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        4647.       4651.       4654.       4657.       4661.       4664.
        4668.       4673.       4679.       4685.       4691.       4697.
        4703.       4709.       4714.       4720.       4726.       4732.
 22     4614.       4617.       4620.       4623.       4627.       4630.
        4633.       4637.       4641.       4645.       4649.       4654.
        4657.       4661.       4665.       4668.       4671.       4674.
        4678.       4683.       4690.       4696.       4701.       4707.
        4713.       4718.       4723.       4729.       4734.       4740.
 23     4623.       4625.       4629.       4633.       4636.       4639.
        4642.       4645.       4650.       4655.       4660.       4664.
        4668.       4672.       4676.       4679.       4682.       4685.
        4685.       4693.       4700.       4706.       4712.       4717.
        4723.       4728.       4733.       4737.       4742.       4749.
 24     4631.       4633.       4638.       4642.       4646.       4649.
        4652.       4652.       4660.       4666.       4670.       4675.
        4679.       4683.       4687.       4691.       4694.       4697.
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        4733.       4738.       4742.       4746.       4748.       4757.
 25     4640.       4639.       4647.       4652.       4656.       4660.
        4663.       4666.       4671.       4677.       4681.       4686.
        4690.       4694.       4698.       4702.       4706.       4709.
        4713.       4718.       4722.       4727.       4732.       4738.
        4743.       4748.       4753.       4757.       4761.       4768.
 26     4651.       4653.       4658.       4662.       4667.       4671.
        4675.       4679.       4683.       4688.       4693.       4697.
        4702.       4706.       4710.       4714.       4718.       4722.
        4725.       4729.       4733.       4737.       4743.       4748.
        4754.       4759.       4763.       4768.       4773.       4779.
 27     4662.       4665.       4669.       4673.       4678.       4682.
        4686.       4690.       4695.       4700.       4704.       4709.
        4713.       4718.       4722.       4726.       4730.       4734.
        4738.       4741.       4744.       4745.       4753.       4759.
        4765.       4769.       4774.       4778.       4784.       4790.
 28     4673.       4676.       4680.       4684.       4689.       4693.
        4697.       4702.       4707.       4711.       4716.       4720.
        4725.       4729.       4734.       4738.       4742.       4746.
        4750.       4754.       4757.       4761.       4766.       4771.
        4776.       4780.       4784.       4788.       4794.       4800.
 29     4682.       4686.       4690.       4695.       4700.       4704.
        4709.       4713.       4718.       4723.       4727.       4732.
        4737.       4741.       4746.       4750.       4754.       4758.
        4762.       4766.       4770.       4774.       4779.       4784.
        4788.       4792.       4795.       4795.       4803.       4810.
 30     4691.       4696.       4701.       4706.       4710.       4715.
        4720.       4725.       4730.       4734.       4739.       4744.
        4748.       4753.       4758.       4762.       4766.       4771.
        4775.       4779.       4783.       4788.       4792.       4797.
        4801.       4805.       4808.       4811.       4815.       4819.
 31     4697.       4705.       4711.       4716.       4722.       4727.
        4731.       4736.       4741.       4746.       4751.       4756.
        4760.       4765.       4770.       4774.       4779.       4783.
        4788.       4792.       4796.       4801.       4805.       4810.
        4814.       4818.       4821.       4824.       4827.       4826.
1
 VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP   60, STRESS PERIOD   6
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    CUMULATIVE VOLUMES      L**3       RATES FOR THIS TIME STEP      L**3/T
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          IN:                                     IN:
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     ---                                           ---
        STORAGE =    223647248.0000                    STORAGE =        3117.8096
  CONSTANT HEAD =            0.0000              CONSTANT HEAD =           0.0000
          WELLS =            0.0000                      WELLS =           0.0000
HEAD DEP BOUNDS = 19053891584.0000             HEAD DEP BOUNDS =      590007.4375
       RECHARGE =  6973974016.0000                    RECHARGE =      189937.5000

       TOTAL IN = 26251513856.0000                    TOTAL IN =      783062.7500

      OUT:                                          OUT:
      ----                                          ----
        STORAGE =     36196136.0000                    STORAGE =           0.0000
  CONSTANT HEAD =            0.0000              CONSTANT HEAD =           0.0000
          WELLS =  9852813312.0000                       WELLS =      408822.0000
HEAD DEP BOUNDS = 16362672128.0000             HEAD DEP BOUNDS =      374247.0312
       RECHARGE =            0.0000                   RECHARGE =           0.0000

      TOTAL OUT = 26251681792.0000                   TOTAL OUT =      783069.0000

       IN - OUT =      -167936.0000                   IN - OUT =          -6.2500

PERCENT DISCREPANCY =          -0.00     PERCENT DISCREPANCY =          -0.00




        TIME SUMMARY AT END OF TIME STEP   60 IN STRESS PERIOD    6
                   SECONDS     MINUTES      HOURS       DAYS        YEARS
                   -----------------------------------------------------------
  TIME STEP LENGTH 1.05120E+07 1.75200E+05  2920.0      121.67     0.33311
STRESS PERIOD TIME 6.30720E+08 1.05120E+07 1.75200E+05  7300.0      19.986
        TOTAL TIME 3.18513E+09 5.30856E+07 8.84759E+05  36865.      100.93
1

 Run end date and time (yyyy/mm/dd hh:mm:ss): 2016/03/08 17:38:44
 Elapsed run time:  0.370 Seconds
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# RECHARGE PACKAGE (RCH)
         1         0
         1
INTERNAL      1.0     (10F8.5)         3    RECHARGE TO LAYER 1 FOR STRESS PERIOD 1
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# WELL PACKAGE
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         1        14        19     -3224.        WELL #15
         1        16        19    -10962.        WELL #10
         1        17        19    -19344.        WELL #4
         1        18        18     -7738.        WELL #8
         1        19        19    -19344.        WELL #11
         1        20        19    -19344.        WELL #24
         2        10        17    -10317.        WELL #17
         2        14        15    -18699.        WELL #19
         2        15        19    -27082.        WELL #21
         2        19        19    -23858.        WELL #22
         1        14        24      -200.
         1        16        24      -200.
         1         3        30      -200
         1        14        27      -200
        17
         1        14        19     -2585.        Well #15
         1        16        19     -8790.        Well #10
         1        17        19    -15512.        Well #4
         1        18        18     -6205.        Well #8
         1        19        19    -15512.        Well #11
         1        20        19    -15512.        Well #24
         1        14        24    -10862.        WELL #1
         2        10        17     -8273.        WELL #17
         2        14        15    -14995.        WELL #19
         2        15        19    -21717.        WELL #21
         2        19        19    -19132.        WELL #22
         2         5         7    -31033.        POWER PLANT WELL
         2        12        13    -17586.        Academy Well
         1        14        24      -200.
         1        16        24      -200.
         1         3        30      -200.
         1        14        27      -200.
        17
         1        14        19     -2771.        Well #15
         1        16        19     -9423.        Well #10
         1        17        19    -16628.        Well #4
         1        18        18     -6651.        Well #8
         1        19        19    -16628.        Well #11
         1        20        19    -16628.        Well #24
         1        14        24    -11643.        WELL #1
         2        10        17     -8868.        WELL #17
         2        14        15    -16074.        WELL #19
         2        15        19    -23279.        WELL #21
         2        19        19    -20508.        WELL #22
         2         5         7    -33266.        POWER PLANT WELL
         2        12        13    -18851.        Academy Well
         1        14        24      -200.
         1        16        24      -200.
         1         3        30      -200.
         1        14        27      -200.
        21
         1        14        19     -2557.        Well #15
         1        16        19     -8763.        Well #10
         1        17        19    -15464.        Well #4
         1        18        18     -6186.        Well #8
         1        19        19    -15464.        Well #11
         1        20        19    -15464.        Well #24
         1        14        24    -10828.        WELL #1
         1        11        25    -10313.        1st New Alluvial WEll
         1        23         8    -10313.        2nd New Alluvial Well
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2	10	17	-8248.	WELL #17
2	14	15	-14949.	WELL #19
2	15	19	-21650.	WELL #21
2	19	19	-19073.	WELL #22
2	5	7	-30938.	POWER PLANT WELL
2	12	13	-17532.	Academy Well
2	4	3	-17532.	1st New Shinarump Well
2	7	11	-17532.	2nd New Shinarump Well
1	14	24	-200.	
1	16	24	-200.	
1	3	30	-200.	
1	14	27	-200.	
25				
1	14	19	-2572.	Well #15
1	16	19	-8745.	Well #10
1	17	19	-15433.	Well #4
1	18	18	-6173.	Well #8
1	19	19	-15433.	Well #11
1	20	19	-15433.	Well #24
1	14	24	-10806.	WELL #1
1	11	25	-10292.	1st New Alluvial WEll
1	23	8	-10292.	2nd New Alluvial Well
1	23	5	-10292.	3rd New Alluvial WEll
1	23	2	-10292.	4th New Alluvial Well
2	10	17	-8231.	WELL #17
2	14	15	-14919.	WELL #19
2	15	19	-21606.	WELL #21
2	19	19	-19034.	WELL #22
2	5	7	-30875.	POWER PLANT WELL
2	12	13	-17496.	Academy Well
2	4	3	-17496.	1st New Shinarump Well
2	7	11	-17496.	2nd New Shinarump Well
2	7	24	-17496.	3rd New Shinarump Well
2	11	25	-17496.	4th New Shinarump Well
1	14	24	-200.	
1	16	24	-200.	
1	3	30	-200.	
1	14	27	-200.	
31				
1	14	19	-2605.	Well #15
1	16	19	-8857.	Well #10
1	17	19	-15630.	Well #4
1	18	18	-6252.	Well #8
1	19	19	-15630.	Well #11
1	20	19	-15630.	Well #24
1	14	24	-10944.	WELL #1
1	11	25	-10423.	1st New Alluvial WEll
1	23	8	-10423.	2nd New Alluvial Well
1	23	5	-10423.	3rd New Alluvial WEll
1	23	2	-10423.	4th New Alluvial Well
2	10	17	-8336.	WELL #17
2	14	15	-15109.	WELL #19
2	15	19	-21882.	WELL #21
2	19	19	-19277.	WELL #22
2	5	7	-31269.	POWER PLANT WELL
2	12	13	-17719.	Academy Well
2	4	3	-17719.	1st New Shinarump Well
2	7	11	-17719.	2nd New Shinarump Well
2	7	24	-17719.	3rd New Shinarump Well
2	11	25	-17719.	4th New Shinarump Well
2	23	19	-17719.	5th New Shinarump Well
2	27	22	-17719.	6th New Shinarump Well
2	24	29	-17719.	7th New Shinarump Well

2	29	28	-17719.	8th New Shinarump Well
2	24	8	-17719.	9th New Shinarump Well
2	25	2	-17719.	10th New Shinarump Well
1	14	24	-200.	
1	16	24	-200.	
1	3	30	-200.	
1	14	27	-200.	