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Subject: Data Response, Set 2A-3
Hidden Hills Solar Electric Generating System (11-AFC-2)

Dear Mr. Monasmith:

On behalf of Hidden Hills Solar I, LLC; and Hidden Hills Solar II, LLC, please find attached electronic copies of Data Response, Set 2A-3.

Hard copies will be sent out on Monday. Please call me if you have any questions.

Sincerely,

CH2M HILL

A handwritten signature in blue ink, reading "John L. Carrier".

John L. Carrier, J.D.
Program Manager

Encl.

c: POS List
Project file

DOCKET

11-AFC-2

DATE MAR 30 2012

RECD. MAR 30 2012

Data Response Set 2A-3

Hidden Hills

Solar Electric Generating System

(11-AFC-2)



Application for Certification
Hidden Hills Solar I, LLC; and Hidden Hills Solar II, LLC

March 2012

With Technical Assistance from



Hidden Hills Solar Electric Generating System

(11-AFC-2)

**Data Response, Set 2A-3
(Response to Data Request 141)**

Submitted to the
California Energy Commission

Submitted by
**Hidden Hills Solar I, LLC; and
Hidden Hills Solar II, LLC**

March 30, 2012

With Assistance from
CH2MHILL
2485 Natomas Park Drive
Suite 600
Sacramento, CA 95833

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Attachment

DR141-1	Long-Term Aquifer Performance Test Report
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Introduction

Attached is Hidden Hills Solar I, LLC, and Hidden Hills Solar II, LLC (collectively, “Applicant”) supplemental response to the California Energy Commission (CEC) Staff’s data request number 141 for the Hidden Hills Solar Electric Generating System (HHSEGS) Project (11-AFC-2). The CEC Staff served this data request on January 9, 2012.

Soil & Water Resources (141)

BACKGROUND

As stated in the HHSEGS AFC, Appendix 5.15: Water Resources, Hidden Hills Interim Assessment Report, dated May 2011, "Limited aquifer hydraulic testing has been conducted in the vicinity of the project site" (Cardno Entrix, 2011). The report cites two aquifer tests that yield very little useful information.

The first test is from 1966, when water levels were likely about 45 feet higher than today (see USGS well USGS 360359115573201 162 S22 E53 01DA 1). The exact location of the well was not included in the report. The reported pump rate was 275 gallons per minute (gpm).

The second pump test was conducted at a well in the direct vicinity of the proposed project in 2003, but only lasted 22 hours because of declining water levels. The reported transmissivity was significantly lower than the 1966 test, 7,225 gallons per day per foot (gpd/ft) versus 4,675 gpd/ft. No pump rate was reported from the 2003 test.

The applicant also indicates another pump test should be conducted and states, "The proposed aquifer testing will aid in determining aquifer barrier boundaries such as faults within the aquifer that can limit the expansion of the cone of depression and correspondingly increase drawdown" (Cardno Entrix, 2011). Staff agrees with the applicant, an aquifer test should be performed to evaluate whether a reliable supply of water can be produced for project construction and operation and to better characterize aquifer parameters for local drawdown impact analysis.

DATA REQUEST

141. Please provide the results of a pump test of sufficient duration and flow to demonstrate that the aquifer can provide a reliable supply for project construction and operation. The pump test should also provide sufficient data to evaluate whether any barriers to flow exist.

Response: An Aquifer Performance Test (APT) was conducted at the Hidden Hills SEGS project site from February 17 to February 21, 2012. A summary of the test results was provided on March 8, 2012 as part of Data Response Set 2A-2. Included in Attachment DR141-1 is the Long-Term Aquifer Performance Test Report.

As stated in the report, the pumping test provided reliable measurements of the aquifer properties at the HHSEGS project site. The duration of the test was long enough to measure the transmissivity, storage, leakance, and boundary conditions of the aquifer. The data indicates that the aquifer can sustainably supply the water needed to support the project for 40 years of operation as well as for the 3-year construction period. No significant interference with adjacent private wells is expected, and no impacts to the Stump Springs ACEC are anticipated.

Attachment DR141-1
Long-Term Aquifer Performance Test Report



Long-Term Aquifer Performance Test Report

Hidden Hills Solar Electric Generating System Site



March 2012

Project Number: 33153001

Prepared by
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HIDDEN HILLS SOLAR ELECTRIC GENERATING SYSTEM SITE, CALVADA SPRINGS,
CALIFORNIA

Long-Term Aquifer Performance Test Report

MARCH 2012

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Executive Summary

Cardno ENTRIX, on behalf of BrightSource Energy, has prepared this report summarizing the activities and results of the comprehensive aquifer performance test (APT) conducted at the Hidden Hills Solar Electric Generating System (HHSEGS) site (Figure 1-1). The purpose of the APT was to determine the aquifer yield and potential effects associated with pumping groundwater at the site location and the vicinity. The projected water demand for the proposed project is approximately 140 acre-feet per year (AFY) to be provided from three wells to be installed across the site. For the APT, a total of approximately 90 gallons per minute (gpm), which corresponds to 140 AFY of cumulative annual pumping, was simultaneously pumped from two existing on-site wells to replicate the proposed operational scenario.

Cardno ENTRIX initially conducted an evaluation of the on-site wells to identify existing wells that could sustain the proposed APT pumping. Well #3 and the Orchard Well were identified as existing wells capable of being pumped at 45 gpm each. Subsequently, six small-diameter monitoring wells were installed near these two wells to allow for collection of drawdown measurements in the immediate vicinity of each pumping well (Figure 4-1). The drawdown data are used to determine aquifer properties such as transmissivity, storage, leakance and anisotropy.

The APT was conducted from February 17 to February 21, 2012. The Orchard Well and Well #3 were each pumped at 45 gpm for a total combined pumping rate of 90 gpm. The pumped water was discharged to points 1,000 feet northwest of each pumping well site. The APT was planned to run for 7 days; however during the night of February 21, 2012 the clamp holding the submersible pump, piping and associated cables was stolen causing the pump to fall to the bottom of the well.

Water quality samples were collected from the Orchard Well and Well #3 on February 23, 2012 and February 27, 2012, respectively. Water quality appears to be good based upon these results, and no indication of water quality issues was evident. These data will be compared to data collected from the Stump Springs Monitoring Well, as provided by the United States Bureau of Land Management, to identify if the waters are of similar characteristics, including comparison of isotopic data (deuterium and oxygen-18).

The pumping test provided reliable measurements of the aquifer properties at the project site. The duration of the test was long enough to measure the transmissivity, storage, leakance, and boundary conditions of the aquifer. The data indicates that the aquifer can sustainably supply the water needed to support the project for 25 years of operation as well as for the 3-year construction period. No significant interference with adjacent private wells is expected and no impacts on Stump Springs are anticipated. An analysis of aquifer anisotropy was also conducted and identified a distinct east-west orientation of higher transmissivity. This anisotropic character of the aquifer will not affect the capability of the aquifer to provide a sufficient and sustainable water supply for the project.

The aquifer is not homogenous across the project site and the aquifer is more productive in the vicinity of Well #3 than near the Orchard Well. At this time, it is anticipated that the planned production wells for the project will not be located at Well #3 nor the Orchard Well. Assuming that the hydraulic parameters measured at the two sites represent the typical range of variability in the aquifer, it will be possible to find well locations that have aquifer properties more similar to Well #3 than the Orchard Well and are located farther from the neighboring private wells and Stump Springs. The data provided by the pumping test

clearly indicate that the aquifer is capable of supporting the water needs of the project with negligible impact on neighboring wells or water-dependent vegetation.

While it is not possible to predict future development in the Pahrump Valley, the historic water level data provided by Nye County indicates that water levels west of the Stateline Fault system have been relatively stable over the last 20 years. Barring unforeseen changes in the pumping pattern in the valley, it is unlikely that regional pumping could substantially impact the aquifer at the project site or substantially change the prediction of this analysis.

Introduction

Cardno ENTRIX, on behalf of BrightSource Energy, has prepared this report summarizing the activities and results of the comprehensive aquifer performance test (APT) that was conducted at the HHSEGS Project site (Figure 1-1).

1.1 PURPOSE

The purpose of the APT was to determine the aquifer yield and potential effects associated with pumping groundwater at the site location and the vicinity. The APT was conducted in order to:

1. Determine aquifer hydraulic coefficients (i.e., transmissivity, storativity, and leakance),
2. Assess the drawdown impacts to nearby users based on actual measured drawdown at selected locations,
3. Assess the potential for drawdown impacts at Stump Spring,
4. Determine anisotropy and potential presence of hydraulic barrier boundaries within the aquifer and,
5. Assess the potential biological drawdown impacts from the project on groundwater dependent vegetation around the site.

The projected water demand for the proposed project is approximately 140 acre-feet per year (AFY) to be provided from three new wells to be constructed at appropriate locations across the site. The APT was designed to simulate projected operations to the degree possible using existing on site wells.

1.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The HHSEGS site is located in the Pahrump Valley, near Calvada Springs, California, approximately 15 miles south of Pahrump, Nevada and 50 miles west of Las Vegas, Nevada. The site is separated from the Las Vegas Valley to the east by the Spring Mountains. The western boundary of the Pahrump Valley is formed by the Nopah and Kingston Ranges. The Nopah and Kingston Ranges extend to between 6,400 to 7,300 feet above mean sea level. The Spring Mountains of Nevada reach 11,900 feet above mean sea level and provide the principle source of recharge to the basin (Waring, 1920; DWR, 1964). The valley is relatively flat and up to approximately 15 miles wide (Flynn, et al, 2006). Elevations of the valley floor above mean sea level range from 2,457 feet at Stewart Lake (dry) to about 3,000 feet in the southwestern portion of the basin (DWR, 1975).

The Pahrump Valley is on the southwest margin of the Basin and Range Physiographic Province. The region has experienced multiple periods of deformation. The Stateline Fault Zone is a zone of strike-slip faulting that strikes almost parallel to the border of California and Nevada in the center of the valley (Flynn, et al, 2006).

The mountains bordering the Pahrump Valley are mostly composed of late Proterozoic and Paleozoic carbonate and siliciclastic rocks, which probably also underlie the valley. The subsurface bedrock of the Pahrump Valley is deformed and topographically complex. It is overlain by sedimentary deposits that are Oligocene and younger in age. These include Quaternary playa deposits and large alluvial fans on the northeast side of the valley (Flynn, et al, 2006).

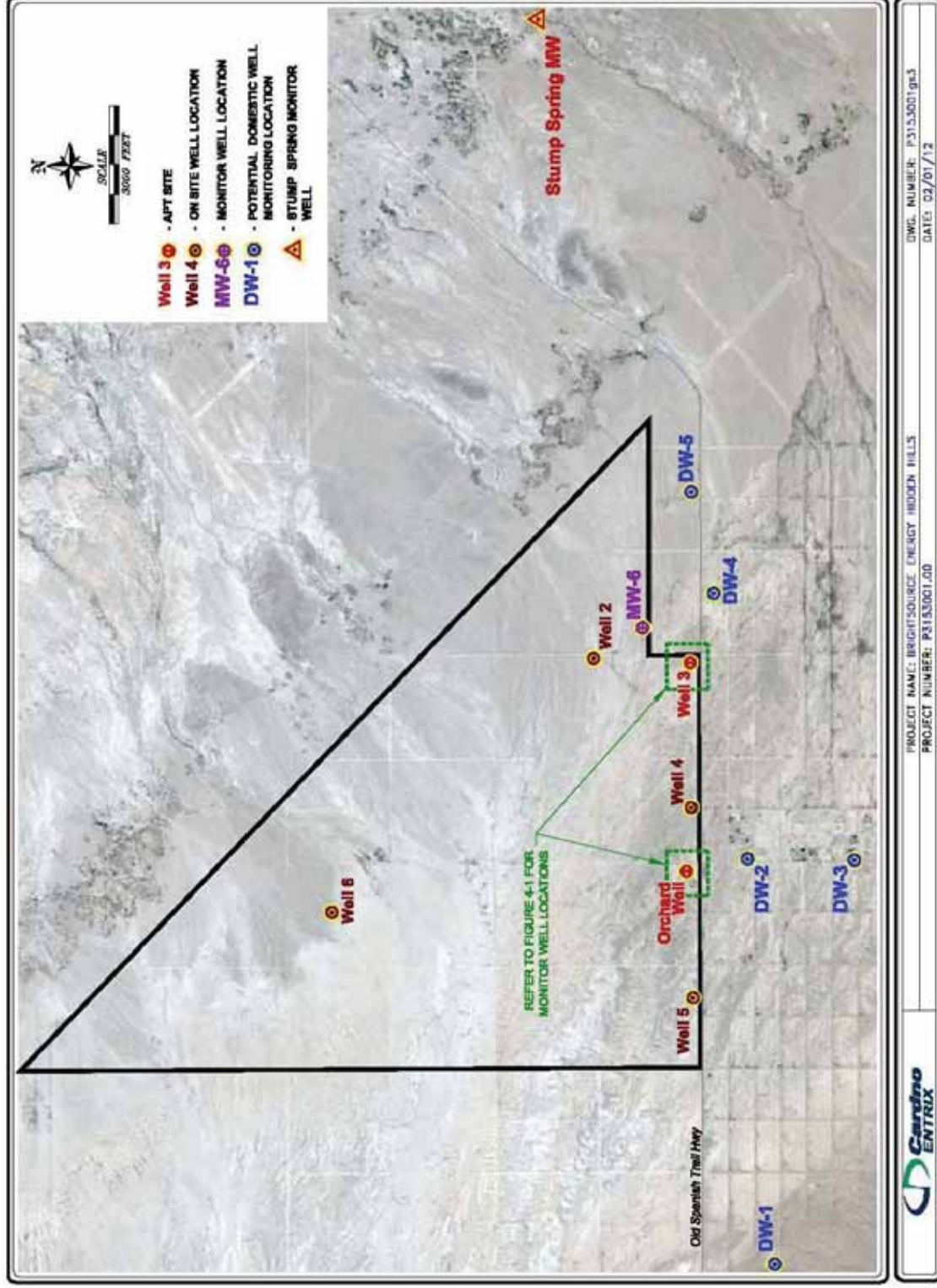


Figure 1-1 Map Showing Aquifer Performance Test Wells and Adjacent Monitor Wells

The HHSEGS site is underlain by Quaternary sediments, which form the primary water-bearing units within the basin. Channel gravels become finer grained upward, becoming mudstone near the top of the sequence. The mudstones are overlain by silt and thin gravel beds. These deposits record a change from a fluvial and lacustrine condition during the most recent glacial cycle to the arid conditions found today (Flynn, et al, 2006). The maximum thickness of the alluvium is at least 800 feet (DWR, 1964).

Annual Precipitation ranges from about 4 to 6 inches. Surface runoff drains toward Stewart Lake to the west and towards Pahrump Lake to the north in Nevada (DWR, 1975).

Recharge to the basin is derived from the percolation of runoff through alluvial deposits at the base of the bordering mountains and from the infiltration of precipitation that falls on the valley floor. Groundwater in the alluvium moves towards either Stewart Lake or Pahrump Lake. Groundwater is confined near the margins of the dry lakes and along the base of the alluvial deposits originating from the Spring Mountains in the Nevada Portion of the basin. Groundwater discharge from the alluvial aquifer occurs mainly through pumpage and spring discharge, or through evapotranspiration (DWR, 1964).

The character of the groundwater in the basin varies from calcium-magnesium bicarbonate to magnesium-calcium bicarbonate. Total dissolved solid (TDS) concentrations range from about 150 milligrams per liter (mg/L) to 540 mg/L. Recent results from on site well sampling indicated TDS concentrations of 250 and 320 mg/L.

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Initial Well Testing

2.1 OBJECTIVE

The objective of the initial well evaluation and testing task was to assess the potential operability of the existing on-site wells, test the efficiency of pumping from these wells and select the favorable pumping wells for the APT.

2.2 PERSONNEL AND PROCEDURES

All environmental work was performed by a qualified Cardno ENTRIX field scientist working under the supervision of a California Professional Geologist. This person supervised the field activities and oversaw all phases of the work including managing subcontractors and report preparation. All field procedures (e.g., permitting, sampling protocol, chain-of-custody, preparation of a Health and Safety Plan, etc.) followed Inyo County and State of California guidelines at the time the work was performed. Biological monitors were also present during all phases of this activity.

2.3 SITE SAFETY

A site safety plan was developed for each phase of the field investigation. The document was reviewed and signed by all Cardno ENTRIX personnel and subcontractors performing work on the site. A copy was present on-site at all times and kept in an easily accessible location. Additionally, mandatory health and safety tailgate meetings were conducted daily and included all on-site personnel.

2.4 INITIAL WELL EVALUATIONS

The initial well evaluation was conducted by Cardno ENTRIX on January 26, 2012. Cardno ENTRIX began the APT activities by conducting an initial well evaluation at six existing on-site wells: Orchard Well, Well #2, Well #3, Well #4, Well #5 and Well #6. The initial depth to water and the depth to the well bottom were measured and used to calculate the accessible depth of water in each well. Preferred pumping wells were selected based on the initial evaluation. A short step-drawdown test was performed at the two selected wells to verify sufficient yield for the APT.

In addition to the above evaluations, video logging was conducted with a down-hole camera at Well #3. The video showed that the well is cased with a 20-inch diameter steel casing from the surface to approximately 411 feet below the ground surface (bgs), then an approximately 16-inch diameter steel casing is present to approximately 790 feet bgs, below which the well is open hole to a total depth of approximately 970 feet bgs.

2.5 WELL SELECTION

On January 26, 2012, an electric water level meter was used to measure the static water level and depth to bottom in the following on-site wells: the Orchard Well, Well #2, Well #3, Well #4, Well #5 and Well #6. The following table summarizes the results of the initial water level evaluation.

Well ID	Water Level (ft btoc)	Depth to Bottom (ft btoc)	Height of Water Column
Orchard Well	107.92	500+	392.08+
Well #2	130.81	144	13.19
Well #3	131.6	975	843.4
Well #4	113.7	142	28.3
Well #5	DRY	93	DRY
Well #6	DRY	105	DRY

Based on these results it was determined that the Orchard Well and Well #3 were most likely to produce the required yield for the long-term APT. Because Well #2 and Well #4 did not contain a sufficient water column depth to produce the projected APT yield, they were used to monitor background and pumping water level data during the APT.

2.6 WELL TESTING

In order to assess the efficiency of the selected wells Cardno ENTRIX conducted step-drawdown pumping tests on the Orchard Well and on Well #3. The step-drawdown tests were conducted using a submersible pump supplied and operated by Cascade Drilling. The pump inlet was set to approximately 320 feet bgs at both wells. The flow rate was controlled using the throttle on the pump control box and a valve installed on the discharge effluent line.

The depth to water was measured from the top of the casing (ft btoc) during the test with a manual water level meter at increasing intervals. A totalizer with a flow meter was used to measure the rate of discharge and the total volume of water pumped from the well. During the test, the flow rates and totalizer readings were recorded at the same intervals as the water level measurements. If the pumping rate was not within approximately 10 percent of the target flow rate then the flow rate was adjusted until the desired rate was reached.

Discharge from the step drawdown tests were conveyed to a water truck and subsequently used for on-site dust control.

2.6.1 Orchard Well Step Test

The step-drawdown test at the Orchard Well was conducted on January 27, 2012. The test was conducted with a series of flow rates, each sustained for approximately one hour. The Orchard Well step-drawdown data is shown on Figure 2-1. A summary of the pumping rates, pumping levels and specific capacity are provided in the table below:

Test Interval (minutes)	Measured Rate (gpm)	Pumping Level (ft btoc)	Drawdown (ft)	Specific Capacity (gpm/ft)
0	--	107.92	0	--
1-65	38	138.25	30.33	1.25
65-85	Pump off to re-wire to allow increased pumping rate			
85-162	58	171.35	63.43	0.9
162-222	28	154.5	46.58	0.6

The data shown in Figure 2-1 indicate steady, increasing drawdown during the first two pumping rates. Water levels in the Orchard Well were beginning to stabilize at approximately 30 feet of drawdown during pumping at 38 gallons per minute (gpm) for one hour. When increased to 58 gpm levels continued to drop after approximately 80 minutes of pumping, reaching approximately 63 feet below the static water level, indicating that more time was needed to reach a steady state water level at 58 gpm. When the pumping rate was throttled back to approximately 28 gpm, after pumping at 58 gpm, water levels began to slowly rise, however steady state was not attained pumping at 28 gpm. Water levels would likely have settled at a level above the final pumping level of the first step (38 gpm).

Overall, the data showed that the Orchard Well could sustain pumping at 45 gpm as needed for the APT, although there will be small lag time before the pumping water level reaches a steady state.

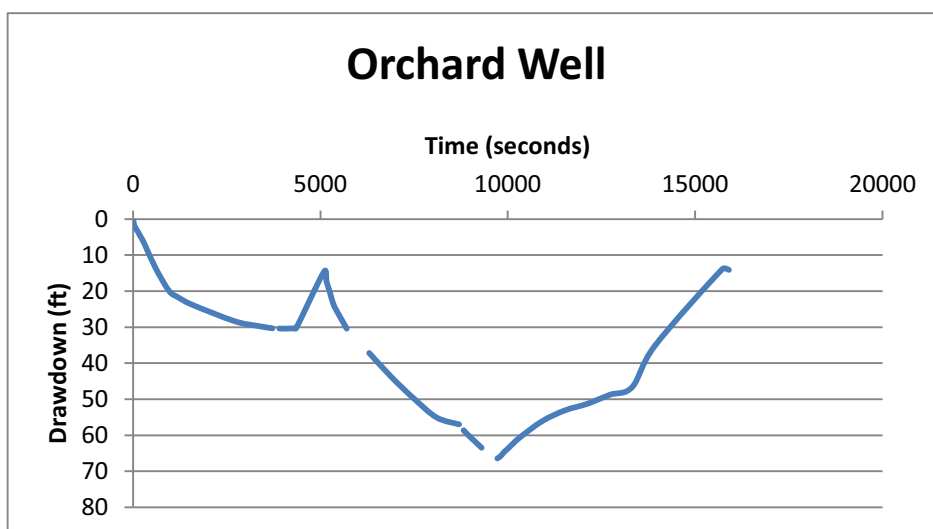


Figure 2-1 Orchard Well Step Test Drawdown results

2.6.2 Well #3 Step Testing

The step-drawdown test at Well #3 was conducted on January 28, 2012. The test was conducted using a series of three increasing flow rates, each sustained for approximately one hour. The Well #3 step-drawdown data is shown on Figure 2-2. A summary of the pumping rates, pumping levels and specific capacity are provided in the table below:

Test Interval (minutes)	Measured Rate (gpm)	Pumping Level (ft btoc)	Drawdown (ft)	Specific Capacity (gpm/ft)
0	--	131.6	0	--
1-61	23	136.35	4.75	4.8
61-121	47.5	142.92	11.32	4.20
121-181	96.5	164.1	32.5	2.97

The data shown in Figure 2-2 shows that water levels dropped steadily with each increase in the pumping rate. Compared to the Orchard Well, water levels in Well #3 stabilized sooner than levels in the Orchard Well. The data collected at Well #3 shows a cleaner curve because the pump was not shut off and disconnected in order to increase the pumping rate, as was the case at the Orchard Well.

At the first two pumping rates, the Well #3 water level dropped quickly and steadily, reaching a fairly steady level. At the highest rate, approximately 96.5 gpm, the level continued to drop, even after one-hour of pumping, indicating that pumping at close to 100 gpm may be sustainable, but would take additional time to reach a steady state pumping water level.

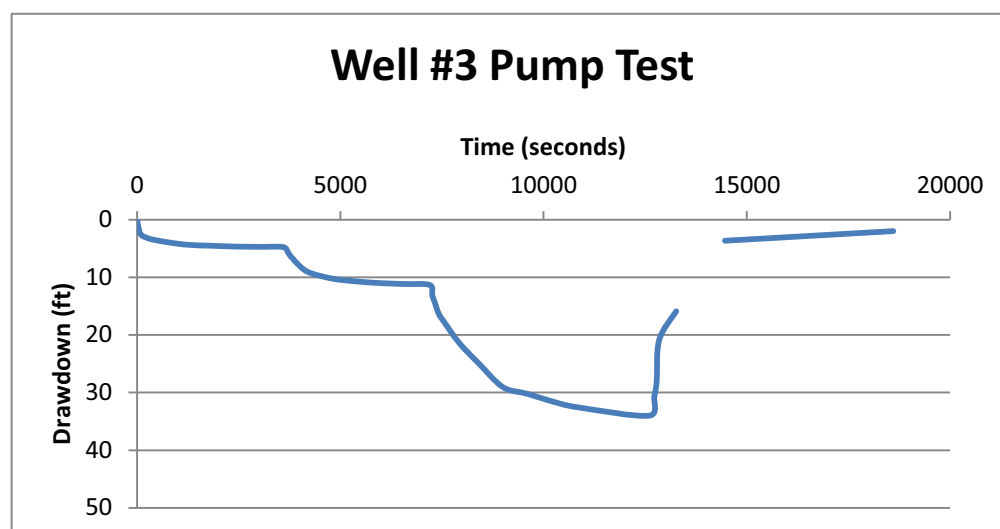


Figure 2-2 Well #3 Step Test Drawdown results

Overall, the data showed that the Well #3 could sustain pumping at the 45 gpm or higher, as needed for the APT, with pumping levels likely reaching a steady state sooner than the Orchard Well.

2.7 SUMMARY

The results of the step-drawdown tests completed at the Orchard Well and Well #3 indicate that these existing wells could sustain pumping at the rate required to complete a 7-day APT pumping at a combined 90 gpm (simultaneous pumping of 45 gpm from each well).

Monitoring Well Installation

A total of six monitoring wells were installed from February 8 to February 13, 2012 at locations shown on Figures 1-1 and 3-1. Two wells (MW-1, MW-2) were installed adjacent to the Orchard Well and four wells were installed in the vicinity of Well #3 (MW-3, MW-4, MW-5 and MW-6). The installation of the monitoring wells around the pumping wells allowed the collection of accurate measurements of drawdown data around each well for the determination of aquifer properties such as transmissivity, storage and anisotropy. The locations of the wells were strategically selected to enable delineation of the cone of depression induced by the pumping wells during the APT.

The following summarizes the location and orientation of each monitoring well with respect to associated pumping well:

- Orchard Well
 - MW-1: approximately 200 feet east
 - MW-2: approximately 50 feet south
- Well #3
 - MW-3: approximately 200 feet west
 - MW-4: approximately 25 feet southeast
 - MW-5: approximately 50 feet north
 - MW-6: approximately 1400 feet north

3.1 PERSONNEL AND PROCEDURES

All environmental work was performed by a qualified Cardno ENTRIX field scientist working under the supervision of a California Professional Geologist. This person supervised the field activities and oversaw all phases of the work including managing subcontractors and report preparation. All field procedures (e.g., permitting, sampling protocol, chain-of-custody, preparation of a Health and Safety Plan, etc.) followed Inyo County and State of California guidelines at the time the work was performed. Biological monitors were also present during all phases of this activity.

3.2 SITE SAFETY

A site safety plan was developed for each phase of the field investigation. The document was reviewed and signed by all Cardno ENTRIX personnel and subcontractors performing work on the site. A copy was present on-site at all times and kept in an easily accessible location. Additionally, mandatory health and safety tailgate meetings were held daily with all on-site personnel.

3.3 PERMITTING

Prior to conducting the field activities, permits for well installation and well abandonment were obtained from the Inyo County Department of Environmental Health. A copy of the permits is provided in Appendix A.

Figure 3-1 APT Monitor Well Locations Schematic

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Aquifer Pumping Test

4.1 SET UP

The Aquifer Performance Test (APT) was conducted at the HHSEGS site from February 17 to February 21, 2012 employing the approach and methods described in the Long-Term Aquifer Performance Testing Plan (dated February 1, 2012; Appendix C). The test consisted of pumping 45 gpm from each of two existing on-site wells, the Orchard Well and Well #3, while monitoring pressure response data in the pumping wells, newly installed monitoring wells and two other existing on-site wells (Well #2 and Well #4). Data were also collected at the Stumps Springs well before, during and after the APT.

The combined pumping of 90 gpm was accomplished using submersible pumps supplied and operated by Cascade Drilling. The intake of each pump was set at approximately 320 ft bgs. Cascade also provided a gate valve on each pump set up which was used to help control the pumping rate, shut off flow and to stop gravity discharge. Each well surface completion consisted of the gate valve, an in-line flow meter and totalizer, a sampling port, piping and hardware necessary to provide a leak proof-seal at the well head and along the discharge line to the point of discharge.

The discharge from each well was directed to an area approximately 1,000 feet north/northwest of each pumping well, which was selected to 1) avoid recirculation of water, 2) to avoid influencing the monitoring wells, 3) prevent offsite discharge of the produced water and 4) to protect sensitive plant and animal species. At the point of discharge (POD) a diffuser, plastic sheeting and straw wattles were used to dissipate the discharge flow to prevent erosion in the area surrounding the POD.

4.2 PERSONNEL AND PROCEDURES

All environmental work was performed by a qualified Cardno ENTRIX field scientist working under the supervision of a California Professional Geologist. This person supervised the field activities and oversaw all phases of the work including managing subcontractors and report preparation. All field procedures (e.g., permitting, sampling protocol, chain-of-custody, preparation of a Health and Safety Plan, etc.) followed Inyo County and State of California guidelines at the time the work was performed. Biological monitors were also present during all phases of this activity.

4.3 SITE SAFETY PROCEDURES

A site safety plan was developed for each phase of the field investigation. The document was reviewed and signed by all Cardno ENTRIX personnel and subcontractors performing work on the site. A copy was present on-site at all times and kept in an easily accessible location. Additionally, mandatory health and safety tailgate meetings were held daily with all on-site personnel.

4.4 DUST CONTROL

During all well installation activities dust control was conducted using a water truck provided by Water Pros, a Las Vegas, Nevada based company.

4.5 WATER LEVEL MEASUREMENTS AND DATA LOGGING

Data logging pressure transducers (In-Situ Level Loggers) were installed in the pumping wells (Well #3 and the Orchard Well), the six newly installed monitoring wells and the Stump Springs Well. More than 72 hours of background data were collected before to the start of the test and the transducers were left in the wells for between 4 and 6 days following the cessation of the APT to monitoring aquifer recovery. Water level data collected by the transducers are summarized in Appendix D.

To verify the transducer data manual water level measurements were recorded using an electronic water level tape. Manual water level measurements were also recorded at the two additional existing on-site wells, Well #2 and Well #4 before, during and after the test. Manual water level measurements are summarized in Appendix D, Tables D-9 and D-10. Manual measurements made at the monitoring wells are included in the tables summarizing the pressure transducer data (Appendix D, Tables D-3 through D-8).

4.5.1 Background Levels

Background water levels were measured using data logging pressure transducers in the Orchard Well and the six monitoring wells on-site. Manual water level measurements were also made at existing on-site wells; Well #2 and Well #4.

Background water level data was not collected in Well #3 due to a faulty transducer. The problem was discovered prior to the start of the APT. Manual measurements of background levels at Well #3 are provided instead in Table D-1 (Appendix D).

Background data collection was started on February 13, 2012 at 15:00 at the pumping and monitoring wells. The manual measurements were made at various times during site visits from January 26, 2012 through the start of the test on February 17, 2012 at 11:00. Overall background water levels were steady and level over the entire period of monitoring.

4.5.2 Stump Springs Monitoring Well

A data logging pressure transducer was installed in the Stump Springs Well on January 18, 2012 to measure background water levels prior to the start of the APT. The transducer was programmed to collect hourly data. The data from the Stump Springs Well is included in Table D-11 (Appendix D). Figure 4-1 shows the complete data set collected from Stump Springs. The measurements were terminated on February 24, 2012.

Long-term water level data collected from the Stump Springs Well was obtained from the United States Bureau of Land Management (BLM). The long term water level data, from October 2003 through February 2012, are summarized on Figure 4-2. The data are provided in Appendix E. The BLM will also provide water quality and chemical isotope data which will be compared to the water quality data obtained from the APT pumping wells, as discussed in Section 4.8

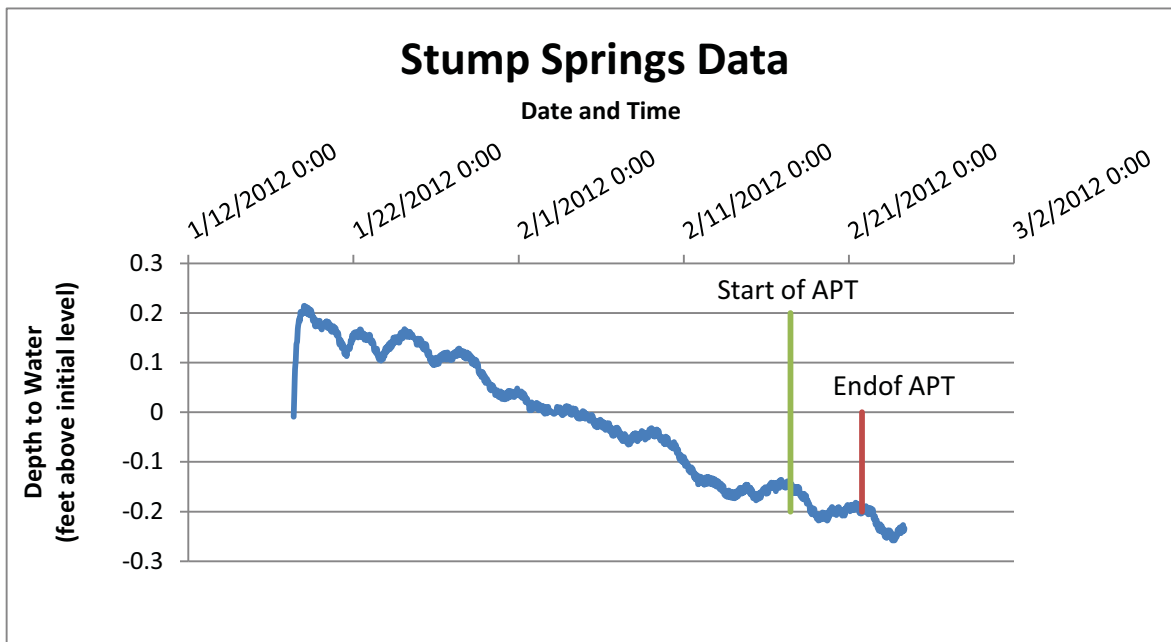


Figure 4-1 Stump Springs Background and APT Results

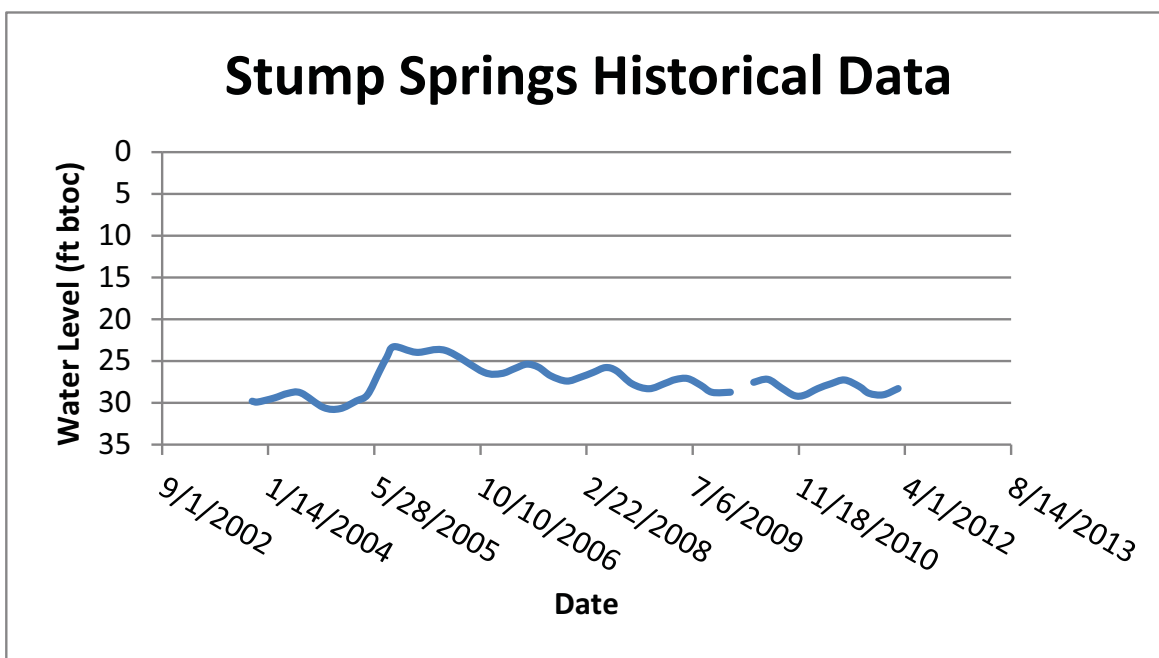


Figure 4-2 Stump Springs Historical Water Level Data provided by BLM

As discussed more fully in Section 5 of this report, the results show a steady decline in water levels over the time that data were collected. There does not appear to be any change in the water levels that can be correlated to the APT test. This is confirmed further by APT test data collected at MW-6 and the other two existing on-site wells which were monitored during the APT and are discussed in sections that follow.

4.6 AQUIFER PUMPING TEST

The APT was started at approximately 11:00 on February 17, 2012. Each well was pumped at 45 gpm. Manual measurements were made at regular intervals throughout the duration of the APT. Each time a manual water level measurement was made at the pumping wells, the totalizer and flow meter readings were also recorded. If the flow rate had changed from 45 gpm between readings then the gate valve was adjusted accordingly to bring the flow reading back to 45 gpm. The manual water level measurements and recorded totalizer and flow readings are provided in Table D-9 (Appendix D).

Manual water level measurements recorded from Well #2 and Well #4 are provided in Table D-10 (Appendix D).

The points of discharge were watched closely throughout the test for signs of erosion, encroachment into sensitive plant and animal species habitat and for containment on-site. The discharge water spread quickly for a few hours at the beginning of the test. After the first day of the test the area of visible water at the surface did not appear to expand, though the soft wetted ground did noticeably expand a small amount each day. There was no erosion observed at the discharge points during the test.

4.7 TERMINATION OF TEST

The APT was planned to operate for 7 days; however on the evening of February 21, 2012 the test was prematurely terminated. At approximately 1900, while on-site staff were at the Orchard Well recording manual water level measurements, the clamp holding the submersible pump and associated piping and materials in Well #3 was released causing the pump, pipe and cables, etc. to fall to the bottom of the well. It is assumed that the clamp was stolen because it was not found at the Well #3 site. A police report was filed with the Inyo County Sheriff.

A video log was run on Well #3 on February 27, 2012. The top of the pipe can be seen around 660 feet bgs. The pump is buried in the bottom of the well, which was tagged at approximately 975 ft bgs. The pump itself could not be seen in the video log. It is assumed it is buried in the mud at the bottom of the borehole.

4.8 WATER QUALITY SAMPLES

Water samples were collected from each of the pumping wells and sent to CalScience Laboratories, a State of California Certified Lab, for chemical analysis. The APT workplan called for the collection of samples at the end of the APT to assess water quality, however, due to the unplanned event that terminated the test the samples were collected following the termination of the test. Sample collection at each well is detailed in the sections below.

Samples were collected in laboratory supplied containers. Samples analyzed for volatile organic compounds (VOCs) were collected in 40-milliliter glass Volatile Organic Analysis (VOA) vials. Each VOA was inverted and tapped to verify that no headspace was present in the vial. All VOAs were preserved (as provided by the laboratory) with hydrochloric acid (HCl). Each sample was labeled and logged on a chain-of-custody, inserted into a ziploc bag, and placed in an insulated container with ice for delivery to CalScience Laboratory located in Garden Grove, California.

Each water sample was analyzed for the following chemical constituents:

Calcium (Ca)	Hardness (CaCO ₃)
Magnesium (Mg)	Iron (Fe)
Sodium (Na)	Manganese (Mn)
Potassium (K)	Arsenic (As)
Bicarbonate (HCO ₃)	Mercury (Hg)
Carbonate (CO ₃)	Selenium (Se)
Total Dissolved Solids	pH
Gross Alpha/Beta	Radium 226/228
Uranium	Oxygen-18/Deuterium
Sulfate (SO ₄)	Pesticide Scan
Chloride (Cl)	Herbicide Scan
Nitrate as N	CAM17 metals
Volatile Organic Compound (VOC) Scan	

4.8.1 Orchard Well

The water quality sample was collected from the Orchard Well on February 23, 2012. The submersible pump used for the APT was used to collect the water quality sample. Since the test was terminated on February 21 and the well had been idle, the pump was run for approximately 2 hours prior to collecting the sample to purge the well in order to collect a representative groundwater sample. The Orchard Well was previously sampled on 3/18/2011 by BrightSource. The results of that sample are included on Table 4-1 for comparison.

4.8.2 Well #3

Because of the incident that terminated the APT, there was no pump in Well #3 to use water quality sample collection. Instead, the water quality sample was collected from this well on February 27, 2012 using a disposable bailer.

4.8.3 Results

The results of the water quality sampling are summarized in Table 4-1. The laboratory analytical reports are provided in Appendix F. The results from the two wells are similar with small differences that may be derived from the difference between sampling methods and depths. Cardno ENTRIX compared the results to the United States Environmental Protection Agency (EPA) Maximum Contaminant Levels (MCLs). All results were below MCLs for regulated constituents. Additionally, all results, except iron, are below secondary MCL thresholds. The iron concentration is above the secondary MCL but within range of natural groundwater concentrations.

Overall the quality of the water tested was very good and suitable for most purposes. Isotopic and water quality data will also be compared to the Stump Springs data when BLM makes it available, as a means to compare the sources of groundwater between the two sites.

Table 4-1 Laboratory Analytical Data Summary for Orchard Well and Well #3

	SAMPLE ID	Orchard Well	Orchard Well	Well 3	MCL
	SAMPLE DATE	3/18/2011	2/23/2012	2/27/2012	
General Chemistry					
Chloride	mg/L	7.4	6.1	2.2	
Nitrate as N	mg/L	7.3	7.6	0.55	10
Sulfate	mg/L	110	110	54	
Fluoride	mg/L	0.54	NA	NA	
Bicarbonate as CaCO ₃	mg/L	134	154	164	
Carbonate as CaCO ₃	mg/L	<20.0	<1.0	<1.0	
Total Alkalinity as CaCO ₃	mg/L	134	154	164	
Total Hardness as CaCO ₃	mg/L	246	260	180	
Total Dissolved Solids	mg/L	361	320	250	
Total Suspended Solids (TSS)	mg/L	<1.0	NA	NA	
Total Organic Carbon (TOC)	mg/L	<1.0	NA	NA	
Silica	mg/L	10	NA	NA	
pH	pH units	8.0	7.54	7.73	
Total Metals by EPA 6010B					
Aluminum	mg/L	<0.100	NA	NA	
Antimony	mg/L	NA	<0.0150	<0.0150	0.006
Arsenic	mg/L	<0.030	<0.0100	<0.0100	0.01
Barium	mg/L	0.028	0.0301	0.0472	2
Beryllium	mg/L	<0.003	<0.100	<0.100	0.004
Cadmium	mg/L	<0.003	<0.100	<0.100	0.005
Chromium	mg/L	<0.005	<0.100	<0.100	1
Cobalt	mg/L	NA	<0.100	<0.100	
Copper	mg/L	<0.005	<0.100	<0.100	1.3
Lead	mg/L	<0.015	<0.100	<0.100	0.015
Mercury	mg/L	NA	<0.000500	<0.000500	0.002
Molybdenum	mg/L	NA	<0.100	<0.100	
Nickel	mg/L	NA	<0.100	<0.100	
Selenium	mg/L	NA	<0.0150	<0.0150	0.05
Silver	mg/L	<0.010	<0.00500	<0.00500	
Thallium	mg/L	NA	<0.0150	<0.0150	0.002
Vanadium	mg/L	NA	<0.100	<0.100	
Zinc	mg/L	0.069	0.173	0.0383	
Calcium	mg/L	53	55.5	40.2	
Iron	mg/L	<0.10	<0.100	1.99	
Magnesium	mg/L	27	31.4	19.0	

Manganese	mg/L	<0.005	0.0238	0.0369	
Potassium	mg/L	NA	1.53	1.43	
Sodium	mg/L	21	21.9	22.1	
Volatile Organic Compounds by EPA 8260B					
All	ug/L	NA	ND	ND	
Organochlorine Pesticides by EPA 8081					
All	ug/L	NA	ND	ND	
Organophosphorus Pesticides by EPA 8141					
All	mg/L	NA	ND	ND	
Chlorinated Herbicides by EPA 8151A					
All	ug/L	NA	ND	ND	
Isotope Data					
Deuterium	%	NA	-94.5	-98	
O-18	%	NA	-13.3	-13.3	
Radio Chemistry					
Gross Alpha	pCi/L	NA	3.45±1.27	2.67±1.06	15
Gross Beta	pCi/L	NA	0.000±0.714	1.34±0.860	50
Total Alpha Radium	pCi/L	NA	0.000±0.335	0.034±0.148	3
Uranium	pCi/L	NA	3.60±1.13	2.01±0.869	20
Radium 228	pCi/L	NA	0.000±0.387	0.000±0.422	2

Notes:

mg/L = milligrams per liter

pCi/L = pico curies per liter

ug/L = micrograms per liter

ND = concentrations below detection limits

EPA = United States Environmental Protection Agency

MCL = EPA Maximum Contaminant Levels allowed in the water supply

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S E C T I O N 5

Analysis of APT Data

An Aquifer Performance Test (APT) was conducted at the HHSEGS site from February 17 to February 21, 2012 employing the approach and methods described in the Long-Term Aquifer Performance Testing Plan (Cardno ENTRIX, 2012; Appendix C). The aquifer testing was conducted to determine aquifer properties such as transmissivity, storage and leakance. The primary objective of the test was to demonstrate that the aquifer can provide a reliable supply for both project long-term operations and the initial construction period. A secondary objective of the test was to determine if barrier boundaries such as faults are present within the aquifer. Barrier boundaries can limit the expansion of the cone of depression and correspondingly increase drawdown on the site while limiting the extent of drawdown off-site.

5.1 APT RESULTS SUMMARY

The water level changes observed during the course of the test are illustrated in Figure 5-1 below. At the Orchard Well, observed water level drawdown was a total of approximately 73 feet during the course of the test (Figure 5-2), while the drawdown at the monitoring wells located 50 and 200 feet away from the Orchard Well were 16.6 and 2.5 feet, respectively. Water levels in Well #3 were observed to draw down a total of approximately 13 feet during the course of the test (Figure 5-3), while the drawdown at the monitoring wells located 25, 50 and 200 feet away from Well #3 were 4.8, 3.7, and 1.4 feet, respectively. No measurable drawdown was detected at MW-6, Well #2 or Well #4. Water levels in the Stump Springs monitoring well (Figure 4-1) followed a declining trend from about a month before the start of pumping and continued the same trend without significant change during and after the pumping test. The water level data supports the preliminary interpretation that the aquifer is capable of supplying the 140 AFY needed for the project and that drawdown off-site will be negligible.

Figures 5-2 and 5-3 present the change in water level during the testing period for the pumping wells and monitoring wells. Water levels in all of the wells were essentially stable for the four days preceding the APT. Both pumping wells drew down quickly at the start of pumping and essentially stabilized within two days of pumping with minor fluctuations related to small adjustments in pumping rate. Measured drawdowns in MW-1 and MW-2, near the Orchard Well, stabilized within about two days of pumping. MW-3, MW-4, and MW-5, near Well #3, were approaching stable water levels at the end of the APT. MW6 and existing on-site wells #2 and #4 did not respond to the pumping. The Stump Springs monitoring well followed an essentially flat and gradual decline from several weeks prior to the start of the test through the APT and recovery period without any notable effect associated with the APT. Water levels in Well #3, the Orchard Well, MW-1, MW-2, MW-3, MW-4, and MW-5 all recovered to approximately their respective pre-pumping water levels within a day following the termination of the APT.

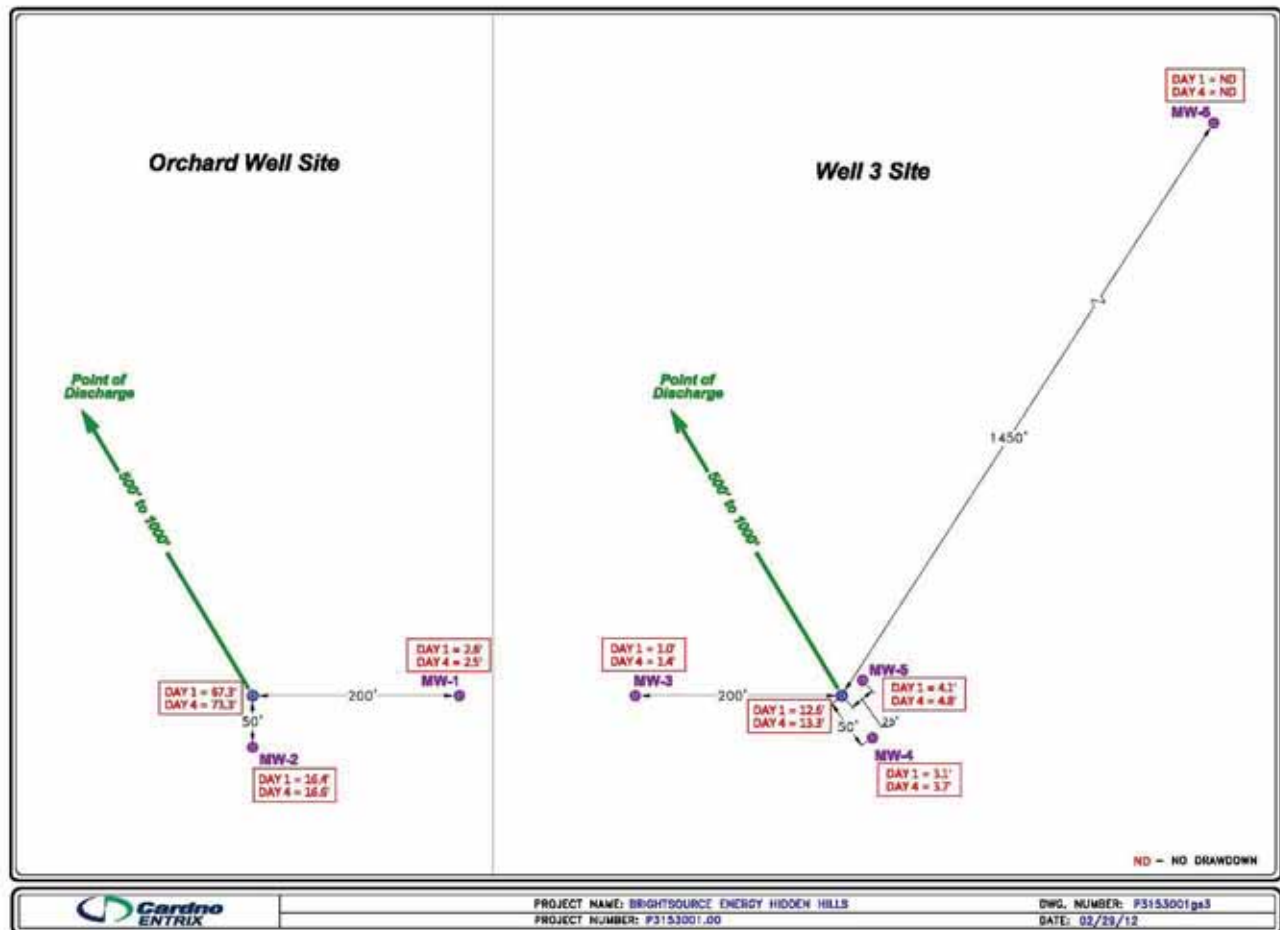


Figure 5-1 Schematic diagram of observed drawdowns in monitoring wells

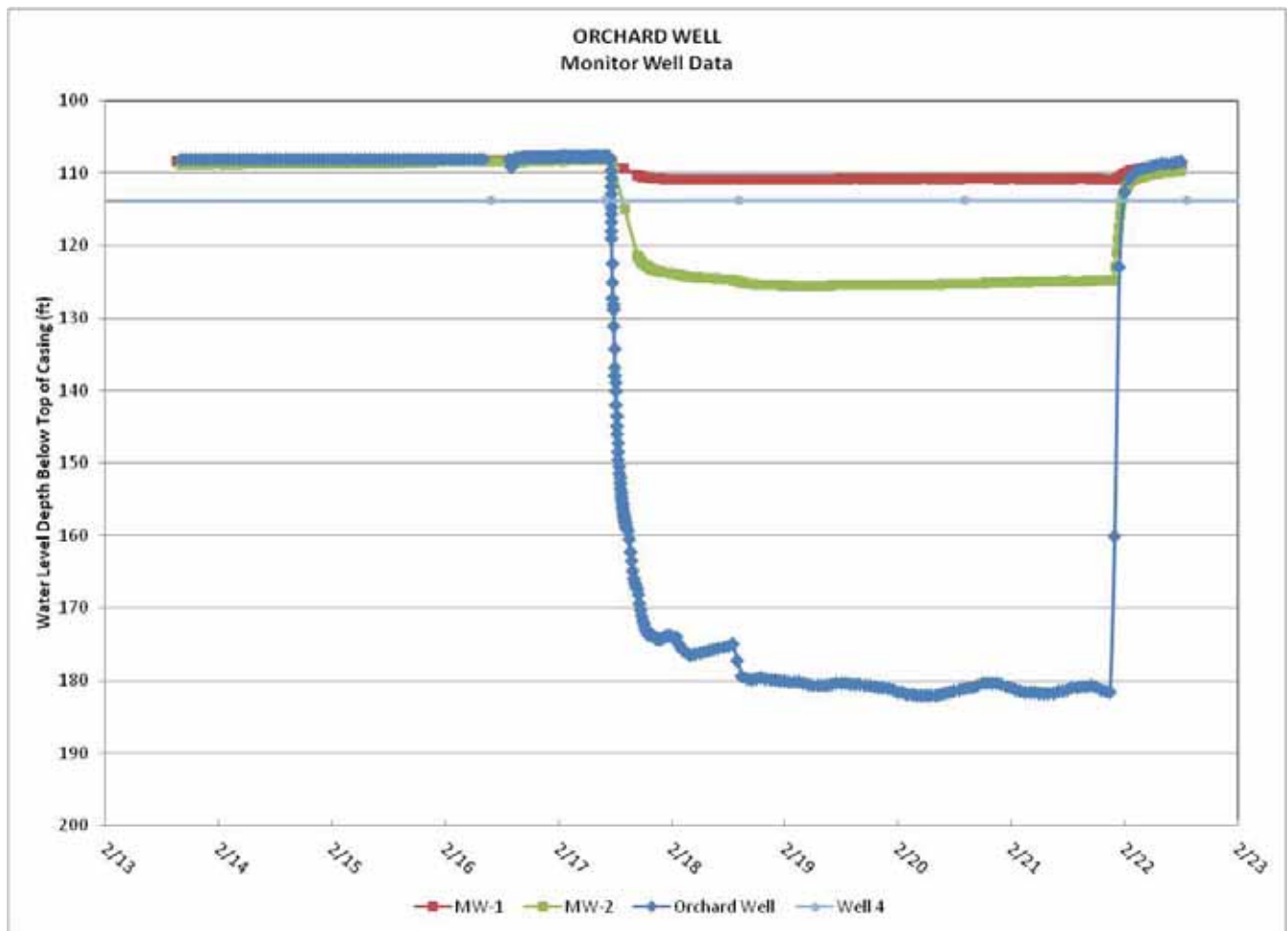


Figure 5.2 Observed water levels in Orchard Well and nearby monitoring wells.

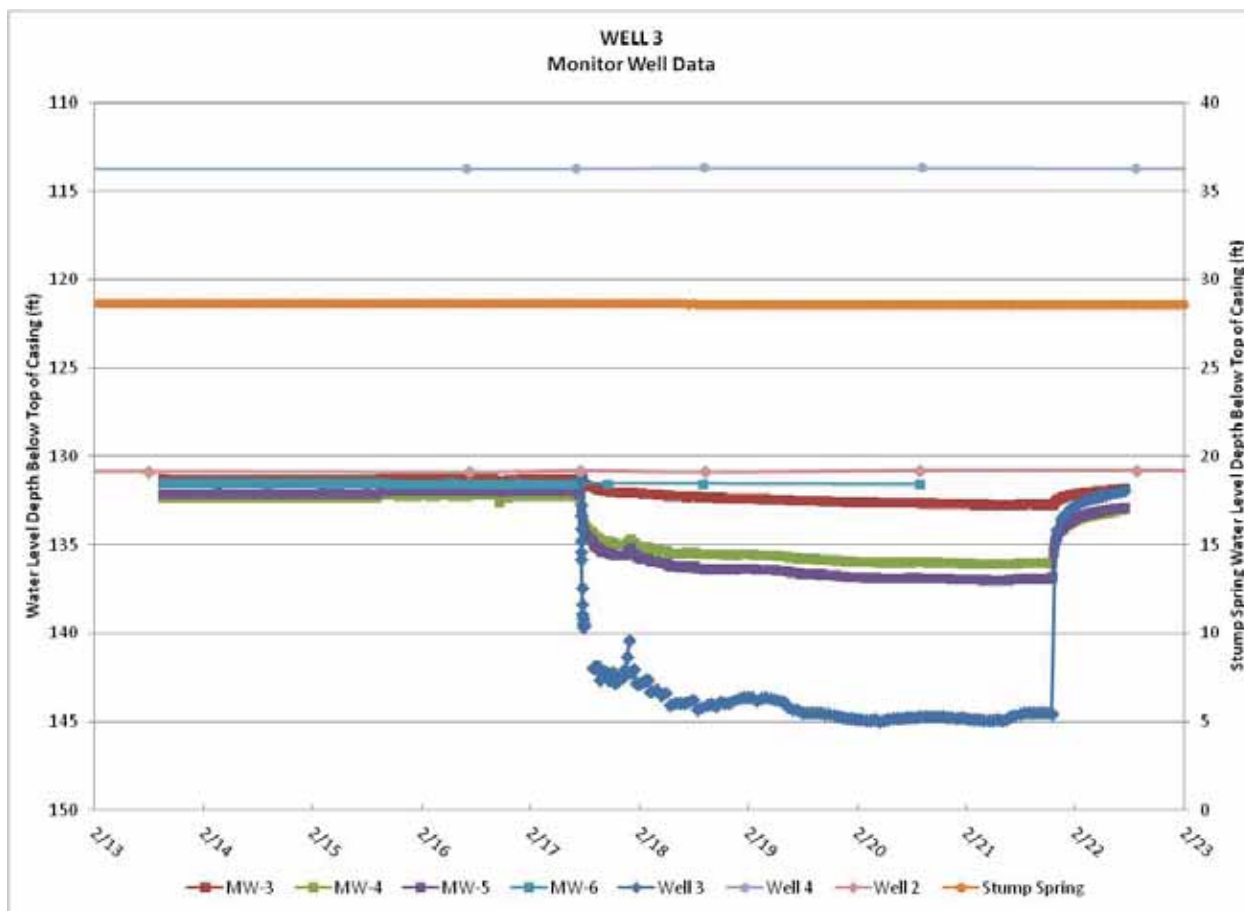


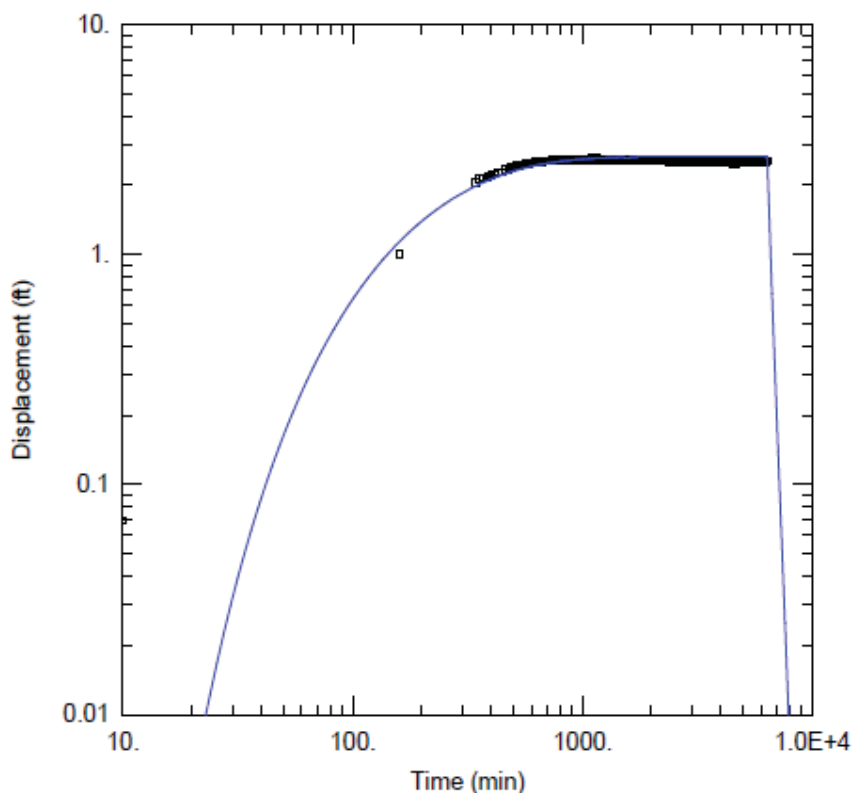
Figure 5-3 Observed water levels in Well #3 and nearby monitoring wells.

5.2 APT DRAWDOWN ANALYSIS

The monitoring well data showed that the cone of depression created around each pumping well did not extend far from the pumped well. Each well created a separate cone of depression which did not interfere with the other well. Because the cones of depression were separate, the drawdown associated with each pumping well can be analyzed individually as if it were a separate APT.

The pumping test data were analyzed using AQTESOLV, an industry standard aquifer analysis package. The drawdown data for each monitoring well was plotted against time and fitted to the appropriate type curve to determine the transmissivity, storage, and boundary conditions of the aquifer at each monitoring well. All five monitoring wells in which drawdown was detected followed leaky artesian curves indicating that the aquifer is bounded by a semi-permeable confining unit that allows a slow release of recharge to the aquifer. The two pumping wells were found to follow slightly different leaky artesian type curve families, which indicate that the nature of the confining unit is not totally consistent across the site. The transmissivity of the aquifer varies by over an order of magnitude between the two pumping wells, indicating that the aquifer is not homogeneous across the site. The interpreted time-drawdown plots of the five monitoring wells in which APT-related drawdown was observed (i.e., MW-1 through MW-5) are provided in Appendix G.

Figure 5-4 presents the drawdown vs. time plot for MW-1, located 200 feet from the Orchard Well. The drawdown follows the Hantush-Jacob (no storage in the confining unit) leaky artesian curve. MW-2 produced a similar plot that also followed a Hantush-Jacob curve. The calculated transmissivity of the aquifer ranges from 1,635 gpd/ft at MW-1 to 670 gpd/ft at MW-2. While the transmissivity of the aquifer was relatively low around this well, the leakance value was relatively high and the pumping levels stabilized quickly. Both monitoring wells reached steady state by the end of the test.

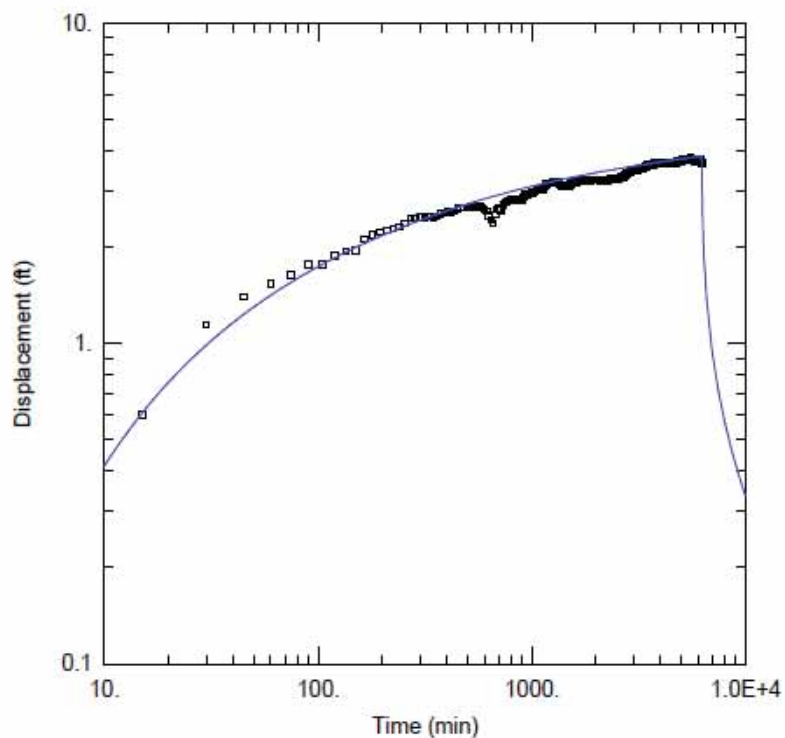


WELL TEST ANALYSIS					
Data Set: C:\Program Files\HydroSOLVE\AQTESOLV for Windows Pro 3.5\BSE MW1.aqt					
Date: 02/29/12			Time: 12:43:47		
WELL DATA					
Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
Orchard Well	0	0	□ MW1	200	0
SOLUTION					
Aquifer Model: <u>Leaky</u>			Solution Method: <u>Hantush-Jacob</u>		
T	= <u>1634.7</u> gal/day/ft		S	= <u>0.001431</u>	
r/B	= <u>1.</u>		Kz/Kr	= <u>0.1</u>	
b	= <u>1000.</u> ft				

Figure 5-4 Drawdown vs. time plot for MW-1, located 200 feet from the Orchard Well.

Figure 5-5 presents the drawdown vs. time plot for MW-4, located 50 feet from the Well #3. The drawdown follows the Hantush (with storage in the confining unit) leaky artesian curve. MW-3 and MW-5 produced a similar plot that also followed a Hantush curve. The transmissivity of the aquifer ranged from 11,750 gpd/ft at MW-3 to 6,980 gpd/ft at MW-5. While the transmissivity of the aquifer was approximately an order of magnitude higher near this well, the leakance value was relatively low and the pumping levels had not stabilized by the end of the test. We believe that water levels would have stabilized within a few more days of additional pumping for reasons explained later in this report.

The difference in the response of the aquifer to pumping between the two wells indicates that the aquifer is not homogeneous across the site. The aquifer displays significant variations in transmissivity which indicates that the hydraulic conductivity and thickness of the aquifer changes across the site. Based on this observation, it will be possible to decrease the level of drawdown at future well locations by conducting a careful site evaluation to strategically select future well locations that have more favorable aquifer properties.



WELL TEST ANALYSIS

Data Set: C:\Program Files\HydroSOLVE\AQTESOLV for Windows Pro 3.5\BSE MW4.aqt

Date: 02/29/12

Time: 11:10:30

AQUIFER DATA

Saturated Thickness: 1000. ft

Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
Well 3	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
□ MW4	50	0

SOLUTION

Aquifer Model: Leaky

T = 7342.1 gal/day/ft

r/B = 0.1

T' = 1.077E+4 gal/day/ft

Solution Method: Neuman-Witherspoon

S = 0.005166

β = 0.001

S' = 0.001

Figure 5-5 Drawdown vs. time plot for MW-4, located 50 feet from the Well 3.

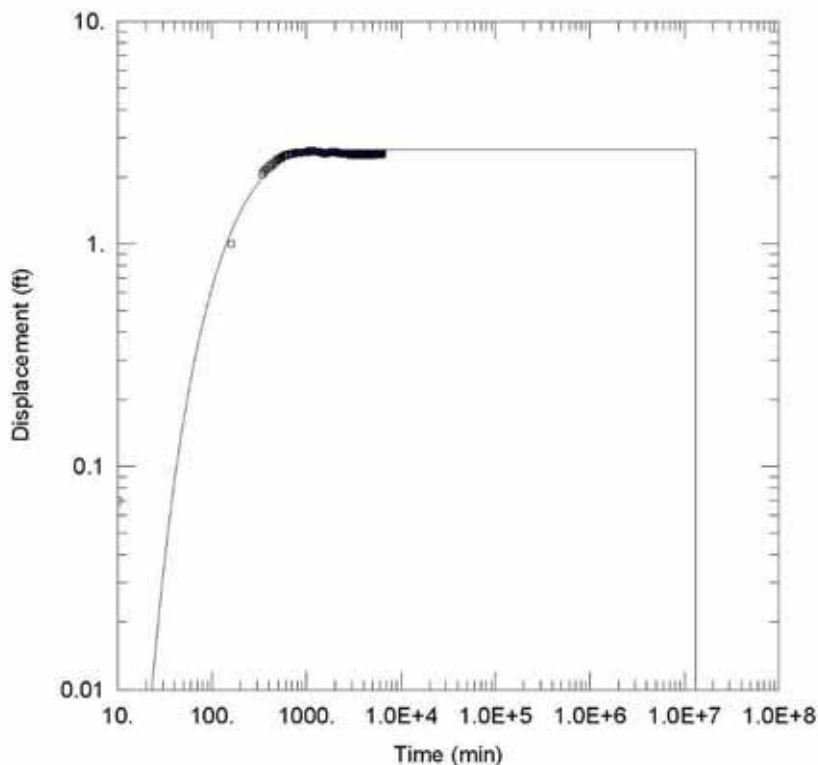
5.3 PROJECTION OF DRAWDOWN DURING THE PROJECT

The project is expected to have an operational life of approximately 25 years. While it is not possible to pump wells for 25 years to demonstrate the ability of the aquifer to produce sufficient water, it is possible to project future drawdown in the aquifer from the pumping test data.

In a perfectly confined, homogeneous aquifer with no gradient (no regional flow), the cone of depression created by a pumping well would theoretically expand for as long as the well was pumped. In nature, no aquifers are perfectly confined and there is almost always some regional flow within the aquifer. In real world conditions, the cone of depression around a pumping well grows until it intercepts enough recharge or regional flow to replace the water being extracted, at which point the cone stabilizes and ceases to expand. This creates a new steady-state condition within the aquifer where recharge and discharge are balanced and the flow pattern does not change unless there is some other disturbance in the system.

The aquifer supporting the Orchard Well and Well #3 receives recharge from overlying units through the leaky confining layer and receives recharge from regional flow in the aquifer. These boundary conditions will replace the water produced from the wells and return the aquifer to a steady state condition where the pumpage is balanced by recharge. Under these conditions, the aquifer can sustain the pumping indefinitely unless external forces disrupt the system. This is evident in the Orchard Well data where the aquifer reached steady-state within a day of pumping. Well #3 receives less recharge from leakance so it had not reached steady state by the end of the test. However, the expansion of the cone of depression was slowing and it was close to capturing enough regional flow to stabilize water levels within a few days. For the following calculation, we conservatively assumed that the cone of depression around Well #3 would not stabilize and projected drawdown would continue to occur in the aquifer for 25 years of pumping.

We used the pumping test data and the curve fits to project drawdown at the monitoring wells for a period of 25 years at a constant pumping rate of 140 AFY from both wells combined (45 gpm from each well). Please note that this conservative analysis assumes a flat potentiometric surface in the aquifer with no regional flow to replace the pumped water. Figure 5-6 presents the drawdown vs. time plot for MW-1, 200 feet from the Orchard Well, projected out to 25 years of pumping at 45 gpm. The plot shows that the well has already reached steady state and no growth of the cone of depression is expected. Water levels in the aquifer will not change as a result of extended pumping from the Orchard Well.



WELL TEST ANALYSIS

Data Set: C:\Program Files\HydroSOLVE\AQTESOLV for Windows Pro 3.5\BSE MW1-25yr.aqt

Date: 03/08/12Time: 18:11:07

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
Orchard Well	0	0	MW1	200	0

SOLUTION

Aquifer Model: LeakySolution Method: Hantush-Jacob

T = 1634.7 gal/day/ftS = 0.001431

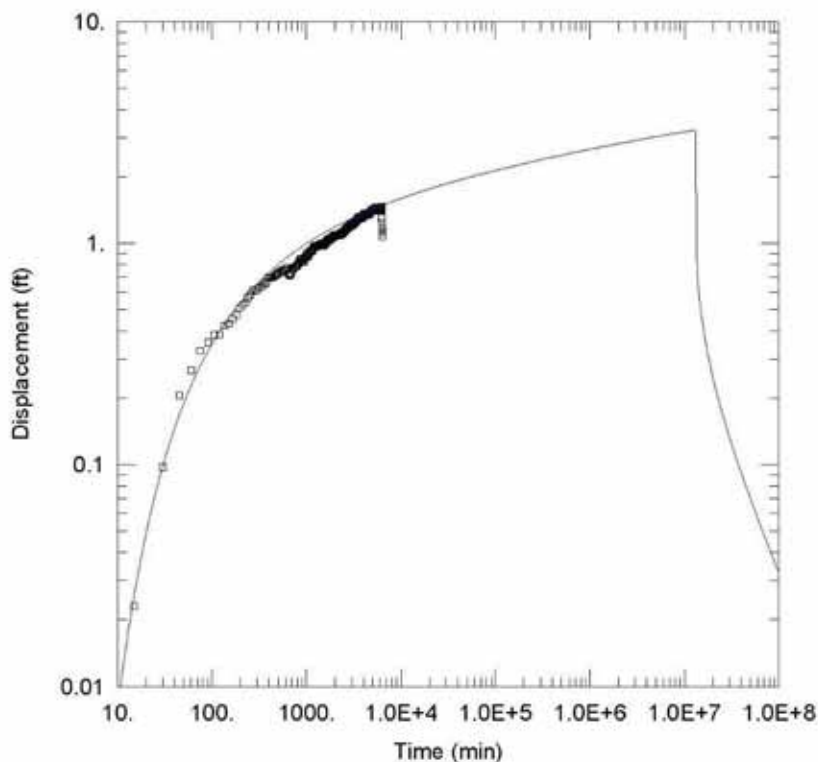
r/B = 1.Kz/Kr = 0.1

b = 1000. ft

Figure 5-6 Drawdown vs. time plot for MW-1, 200 feet from the Orchard Well, projected out to 25 years of pumping at 45 gpm.

Figure 5-7 presents the drawdown vs. time plot for MW-3, 200 feet from the Well #3, projected out to 25 years of pumping at 45 gpm. The plot shows that the water levels will continue to slowly decline and reach about 3.2 feet in 25 years. This represents an increase of about 2 feet from the drawdown observed

at the end of the pumping test. We believe that the cone of depression would stabilize from intercepting regional flow long before this amount of drawdown was created. Even if the assumption of recharge from regional flow is incorrect, the drawdown in the aquifer will still be minimal. Similar plots were also created for MW-4 and MW-5 and indicated drawdown values of 6.2 and 7.2 feet, respectively, after 25 years.



WELL TEST ANALYSIS

Data Set: C:\Program Files\HydroSOLVE\AQTESOLV for Windows Pro 3.5\BSE MW3 25yr.aqt
Date: 03/08/12Time: 18:12:45

AQUIFER DATA

Saturated Thickness: 1000. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
Well 3	0	0	□ MW3	200	0

SOLUTION

Aquifer Model: Leaky Solution Method: Neuman-Witherspoon

T = 1.175E+4 gal/day/ft S = 0.002805
r/B = 0.1 β = 0.1
T' = 1.077E+4 gal/day/ft S' = 0.001

Figure 5-7 Drawdown vs. time plot for MW-3, 200 feet from the Well 3, projected out to 25 years of pumping at 45 gpm.

The calculated drawdown values after 25 years of pumping were used to create a distance drawdown plot as a means of estimating the radius of influence of the well after 25 years. Figure 5-8 is a plot of the drawdown vs. distance from Well #3 after 25 years pumping at 45 gpm with no recharge from regional flow. The calculated values lie on a straight line which indicates the values are reasonable estimates of the expected drawdown. The radius of influence (line of zero drawdown) is about 1,500 feet which indicates that pumping from Well #3 will not significantly interfere with neighboring wells and will not extend much beyond the limits of the property. The cone of depression will not extend to the State Line Fault or to Stump Springs. The plot also indicates that about 13 feet of drawdown can be expected one foot from the center of Well #3, suggesting that Well #3 is fairly efficient in its current condition. The slope of the distance drawdown line was used to estimate the transmissivity of the aquifer using the Distance Drawdown Method. The plot allows for the calculation of transmissivity of approximately 6,000 gpd/ft, which represents an estimate of the average value of the aquifer transmissivity around the well and is consistent with the values calculated by the Hantush method at the nearby monitoring wells.



Figure 5-8 Drawdown vs. distance from Well 3 after 25 years pumping at 45 gpm assuming no recharge from regional flow.

5.4 AQUIFER ANISOTROPY

Cardno ENTRIX estimated the anisotropy of the aquifer using Hantush-Thomas's method (1966). This method allows direct calculation of the magnitude of aerial anisotropy for the HHSEGS site since sufficient data are available to draw at least one ellipse of equal drawdown and therefore to determine the principal direction of anisotropy.

The drawdown observed in the three observation wells at Well #3, two monitoring wells at the Orchard Well, and the pumped wells after reaching steady state conditions were utilized to draw ellipses of equal drawdown. The drawdown values between the observation well and the pumping well were linearly interpolated. Then, two ellipses that cut through the selected interpolated drawdown points were created and the ratio between the lengths of the major and minor axes of the ellipses was calculated. This ratio was used to derive the transmissivity in the direction of flow (T_x) and perpendicular to flow (T_y) using the following equations.

$$T_x = (a/b) (T_e)$$

$$T_y = (b/a) (T_e)$$

Where,

T_x = Transmissivity in the direction of major axis of anisotropy

T_y = Transmissivity in the direction of minor axis of anisotropy

a = length of the major axis of the ellipse

b = length of the minor axis of the ellipse

T_e = Effective transmissivity (assumed to be the average transmissivity derived using Newman-Witherspoon and Hantush-Jacob Methods)

A summary of transmissivity values calculated along the major and minor axes of anisotropy is provided in the table below.

Table 5-1 Summary of transmissivity values along the major and minor axes of anisotropy

Average Transmissivity (gpd/ft)	Major Elliptical Axis Distance (ft)	Minor Elliptical Axis Distance (ft)	T_x (gpd/ft)	T_y (gpd/ft)
8,692	343	90	33,125	2,281
1,153	300	44	7,861	169

These results indicate that transmissivity in the direction of flow (T_x) and perpendicular to flow (T_y) are approximately 33,000 gpd/ft and 2,500 gpd/ft respectively at Well #3, and approximately 8,000 gpd/ft and 200 gpd/ft respectively at the Orchard Well. The principal direction of anisotropy (i.e., the major elliptical axis) is oriented approximately in the E-W direction, given the limits of accuracy provided by the number and location of available monitoring wells.

The maximum and minimum values calculated by the Hantush-Thomas method are directional values that represent the degree of variation of permeability in the aquifer with regard to orientation. The orientation of the transmissivity ellipse suggests that the aquifer is more permeable in the direction of the deposition

of alluvial fan deposits derived from the Nopah Range and less permeable perpendicular to this trend. Alluvial fan deposits are commonly deposited from pulses of runoff transporting sediment from the mountains into the basin. Coarser material tends to be deposited in channels of faster flowing water coursing down the fan deposits. Finer grained deposits tend to be deposited in periods of lower flow and adjacent to the coarser deposits. In this case, it appears that the coarser fan deposits are oriented essentially east-west and project into and beneath the lake deposits visible at the surface of the project site.

For comparison, the transmissivity values calculated at each monitoring well using the Hantush or Hantush-Jacob method (as described in section 5.2) represent aquifer conditions immediately around each monitoring well. These values differ from the transmissivity values calculated in this anisotropy analysis (using the Hantush-Thomas method) because these calculations are representative of the average values for the aquifer in the broader area including both the pumping wells and the associated monitoring wells.

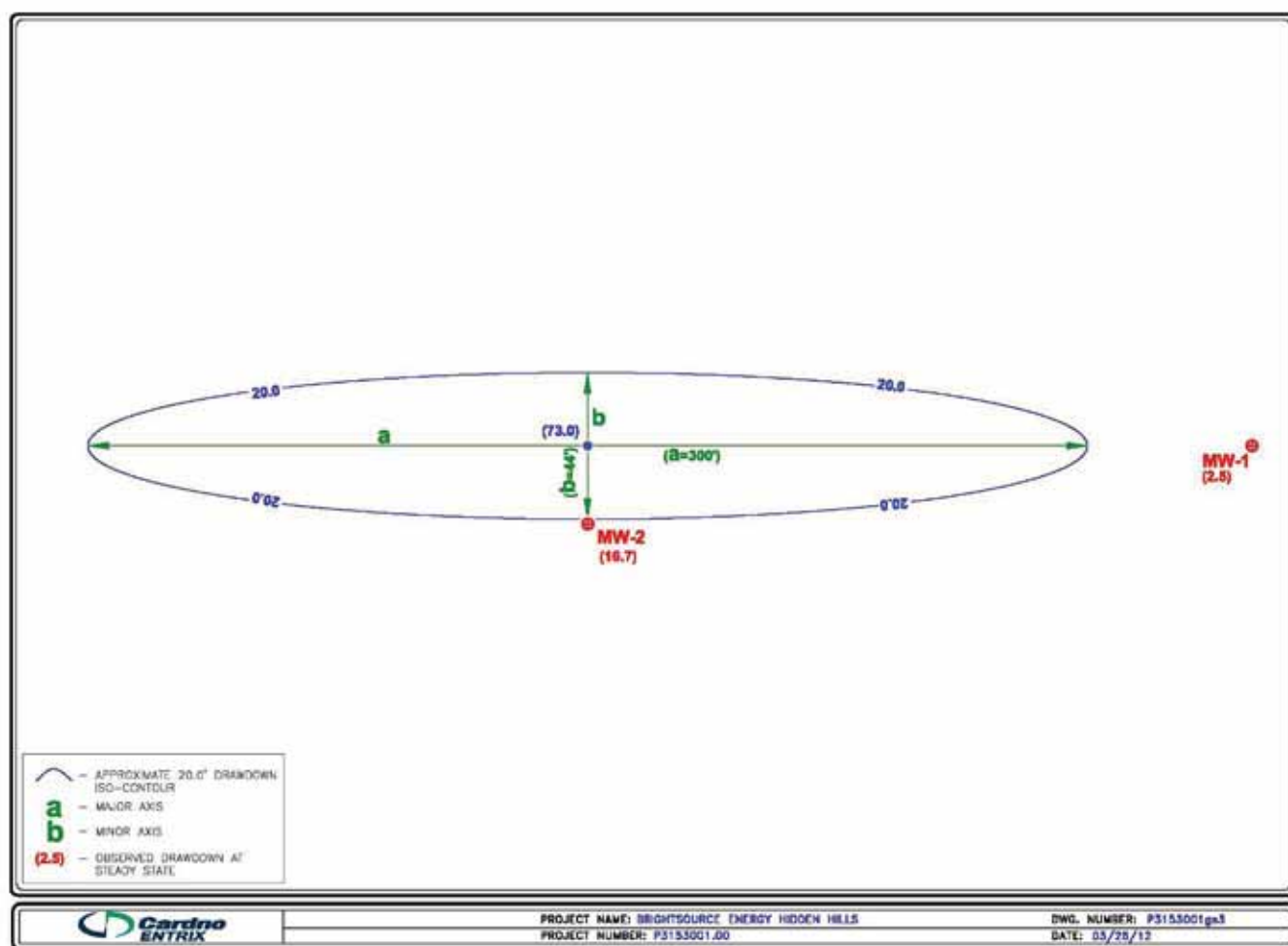


Figure 5-9 Illustration of anisotropy at Orchard Well site.

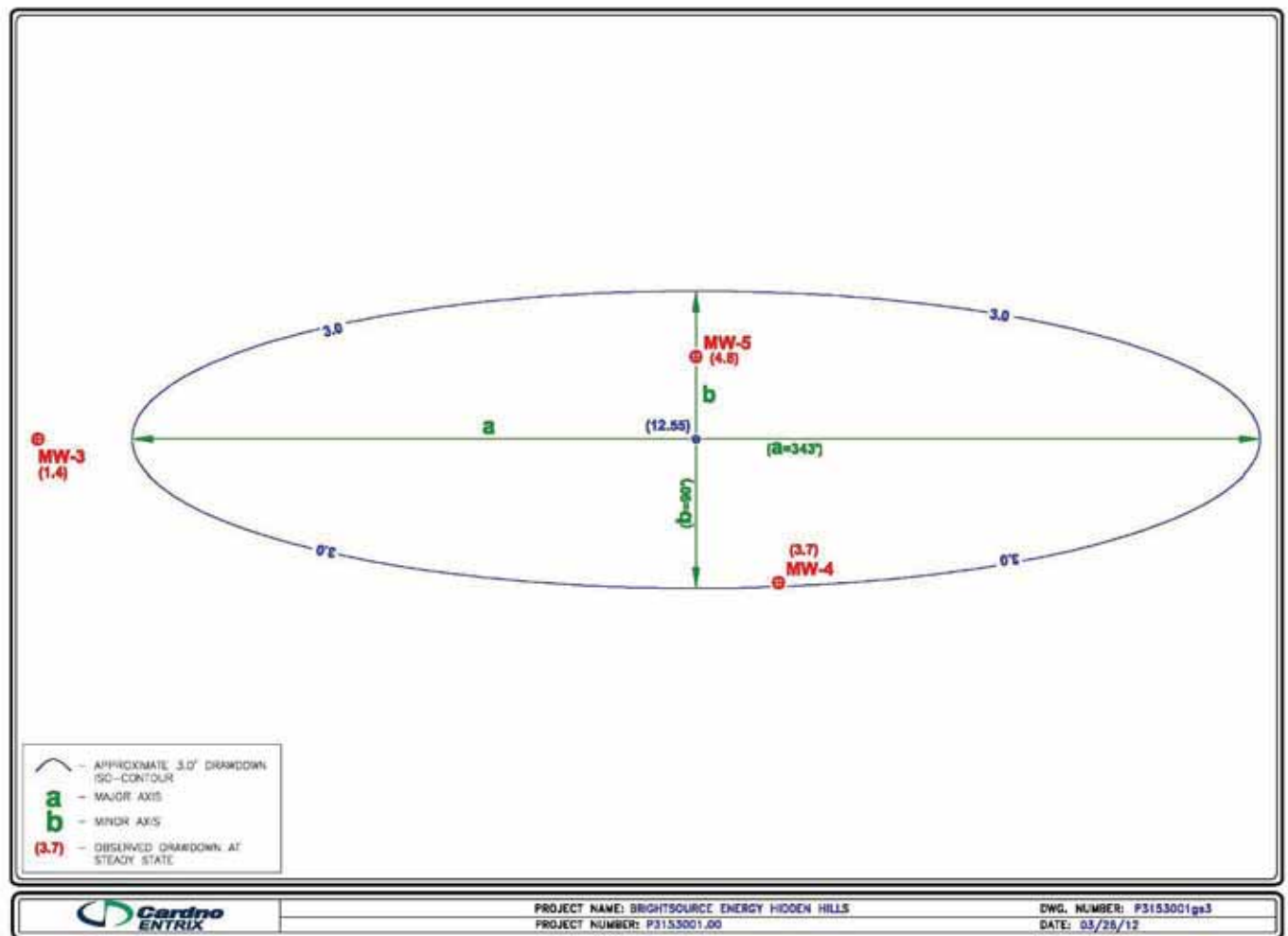
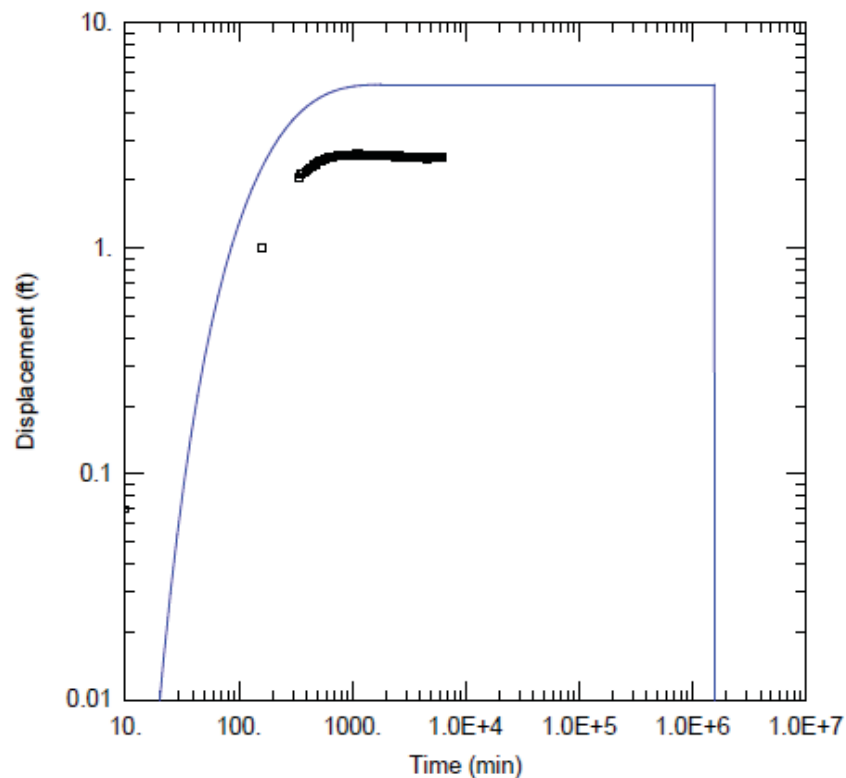


Figure 5-10 Illustration of anisotropy at Well #3 site.

5.5 PROJECTION OF DRAWDOWN DURING THE CONSTRUCTION PHASE OF THE PROJECT

The project is expected to require approximately 280 AFY of water (equivalent to a total groundwater pumping rate of 180 gpm) during a 2 to 3-year construction phase. This water will be provided by two or more wells located on site. We calculated the expected drawdown in the aquifer by using the aquifer properties and type curves for each monitoring well measured during the pumping test and shifting the type curves to reflect a pumping rate of 90 gpm per well for two pumping wells for a duration of 3 years. The analysis indicates that even pumping at the higher rate for 3 years will only create small increases in drawdown in the aquifer around the wells.

Figure 5-11 is a plot of the drawdown vs. time plot for MW-1, located 200 feet from the Orchard Well after 3 years of pumping at 90 gpm. The measured drawdown values from the pumping test are also shown on the plot for comparison. The plot shows that the drawdown will increase by less than 3 feet to about 5.3 feet and stabilize within a few days of pumping.



WELL TEST ANALYSIS

Data Set: C:\Program Files\HydroSOLVE\AQTESOLV for Windows Pro 3.5\BSE MW1 construction.aqt

Date: 03/03/12Time: 14:22:00

WELL DATA

Pumping Wells			Observation Wells		
Well Name	X (ft)	Y (ft)	Well Name	X (ft)	Y (ft)
Orchard Well	0	0	□ MW1	200	0

SOLUTION

Aquifer Model: LeakySolution Method: Hantush-Jacob

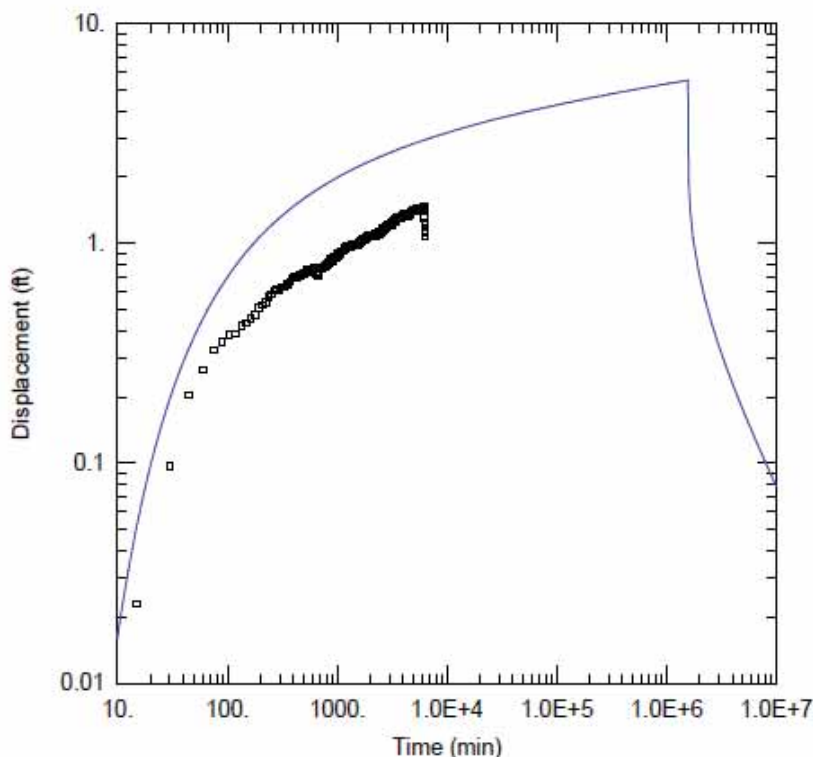
T = 1634.7 gal/day/ftS = 0.001431

r/B = 1.Kz/Kr = 0.1

b = 1000. ft

Figure 5-11 Drawdown vs. time plot for MW-1, located 200 feet from the Orchard Well after 3 years of pumping at 90 gpm.

Figure 5-12 is a plot of the drawdown vs. time plot for MW-3, located 200 feet from Well #3 after 3 years of pumping at 90 gpm. The measured drawdown values from the pumping test are also shown on the plot for comparison. The plot shows that the drawdown will increase by about 4 feet to about 5.6 feet of drawdown. The plot indicates that the water levels will not have stabilized, but as in the discussion of the projected water levels over the operational life of the project, we believe that the aquifer will reach steady state well before 3 years and stabilize before this level of drawdown is created.



WELL TEST ANALYSIS

Data Set: C:\Program Files\HydroSOLVE\AQTESOLV for Windows Pro 3.5\BSE MW3 construction.aqt

Date: 03/03/12

Time: 14:21:05

AQUIFER DATA

Saturated Thickness: 1000. ft

Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
Well 3	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
□ MW3	200	0

SOLUTION

Aquifer Model: Leaky

T = 1.175E+4 gal/day/ft

r/B = 0.1

T' = 1.077E+4 gal/day/ft

Solution Method: Neuman-Witherspoon

S = 0.002805

β = 0.1

S' = 0.001

Figure 5-12 Drawdown vs. time plot for MW-3, 200 feet from Well #3, after 3 years of pumping at 90 gpm.

5.6 GROUNDWATER-DEPENDENT VEGETATION

Groundwater-dependent vegetation is perennial vegetation that must have access to groundwater for sufficient periods of time in order to survive. In the area immediately surrounding the HHSEGS site, there are two concentrations of groundwater-dependent vegetation: extensive mesquite (*P. glandulosa* and *P. pubescens*) thickets on coppice dunes and in arroyos along the Stateline Fault system to the east of the HHSEGS site; and Salt cedar (*Tamarix aphylla*) thickets in the Charleston View area to the south of the HHSEGS site. Mesquite have deep root systems that can extend more than 100 feet below the surface. The salt cedar thickets in the vicinity of the Charleston View development appear to be located along an arroyo downstream of Stump Springs that is maintained by shallow subsurface runoff from the spring.

Based upon the aquifer analysis provided in this report, the drawdown during the life of the project would be 4 feet or less at a distance of 200 feet from each pumping well and zero (the line of zero drawdown) within 1,500 feet of each pumping well. The water supply for the project will come from 3 new wells to be located 1,500 feet or more north of Tecopa Road and in locations selected to have favorable aquifer properties. Based upon the analysis provided in this report, drawdown from the pumping wells will not extend beyond the project boundaries nor would it extend even farther to the Stateline Fault or Stump Springs area.

Therefore, because there will not be drawdown effects beyond the HHSEGS site boundary, and because there are no groundwater-dependent vegetation on the site or within the anticipated area of project-related drawdown, project pumping will not affect groundwater-dependent vegetation.

5.7 IMPACT ON REGIONAL FLOW SYSTEM

In an effort to evaluate if hydraulic barriers potentially exist within the basin-fill aquifer, a review of historical water level data was conducted using data collected by Nye County from wells located in the broad, southern portion of the Pahrump Valley. Figure 7-1, prepared by Nye County, is a plot of these data for several monitoring wells on and near the project site. The Stateline Fault system can be seen as a series of two to three lines of parallel mounds trending northwest-southeast immediately east of the project site near the Nevada-California border.

Figure 7-1 shows plots of the historic water level data for 8 wells near the project site. Three wells lie west of the Stateline Fault, three wells lie within the fault system, and two wells lie east of the fault on the fan deposits on the east side of the Pahrump Valley. The change in water levels of these wells appears to differ depending on their position relative to the Stateline Fault.

The Dry Lake Bed well, Orchard Well, and Quail Well (referred to as “Well #3” in this report) all lie west of the Stateline Fault. All three of these wells show stable water levels with variations within a few feet and less than one foot of net change from 2004 to 2011.

The Beyond Sherry’s Well, Stateline Well, and Hidden Hills Irrigation Well all appear to lie within the Stateline Fault system. The Beyond Sherry’s well lies near the center of the Stateline fault system displays a seasonal cycle that is consistent with annual pumping for irrigation and a net declining trend of about 13 feet from 2004 to 2011. The Stateline Well appears to be on the western edge of the Stateline fault system and shows a very uniform decline of about 3.5 feet from 2000 to 2011. The Hidden Hills Irrigation Well appears to lie near the eastern edge of the Stateline Fault system and shows a consistent

decline of 2.5 feet over the same period. All three wells display declining water levels in contrast to the stable water levels west of the Stateline Fault.

The Jeep Trail Well lies east of the Stateline Fault on the toe of the fan deposits on the east side of the Pahrump Valley. This well shows approximately 6 feet of rise in water levels from 2004 to 2011. The NDOT well lies east of the Jeep Trail Well higher on the fan deposits and closer to the recharge area in the Spring Mountains. This well shows about 50 feet of rise in water levels from 2005 to 2006 with a gradual decline of about 40 feet from 2006 to 2011. There is a net increase of about 10 feet in water level from 2005 to 2011.

The water level data from Figure 7-1 suggests that the basin fill aquifer is divided into three distinct segments which each respond differently to changes in recharge and pumping. The area east of the Stateline fault appears to respond to changes in recharge relatively quickly and may be less confined or a water table aquifer. The band of the aquifer within the Stateline Fault system appears to be responding to a pumping source with declining water levels. The portion of the aquifer west of the Stateline fault appears to have stable water levels and does not respond quickly to changes in recharge from the Spring Mountains or pumping from within or east of the Stateline Fault system. These observations suggest that the Stateline Fault system acts as a barrier boundary in the basin fill aquifer that limits the propagation of hydraulic stresses from east of the fault to the portion of the aquifer west of the fault. This observation is consistent with the existence of a sub-basin east of the Stateline Fault as postulated by Malmberg (1967) and discussed in the HHSEGS Interim Assessment Report (Cardno Entrix 2011).

While the Nye County water level data is compelling, it is not conclusive proof of the presence of a barrier boundary in the aquifer. The APT did not pump enough water to create a cone of depression that encountered the Stateline Fault so it is not possible to use the APT data to test the hypothesis of the fault acting as a barrier boundary. If present, the barrier boundary would act to protect Stump Springs from any pumping west of the fault, including from the project site. The barrier boundary would also act to protect the project site from over pumping east of the fault in the Pahrump area.

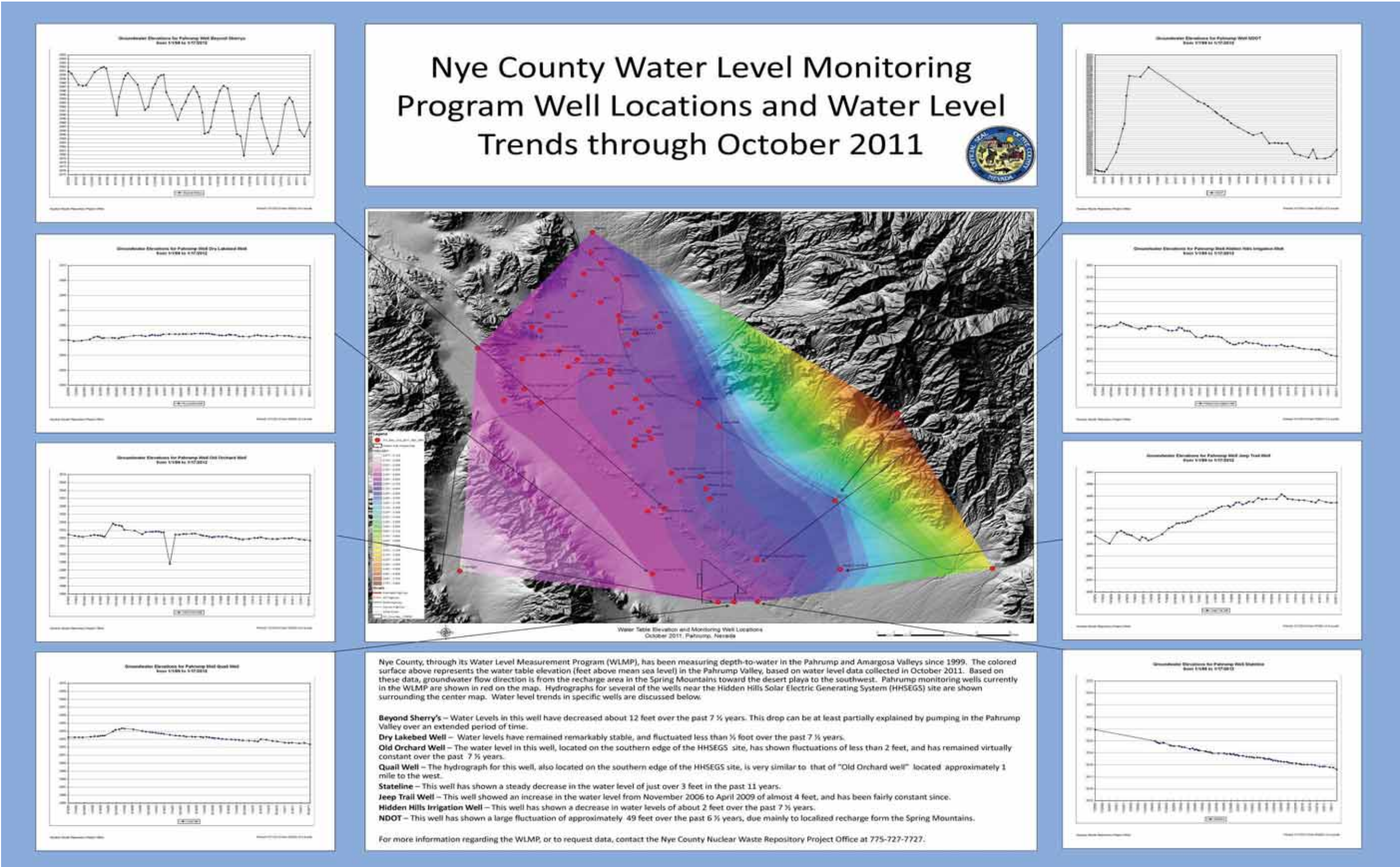


Figure 5-13 Plot of Nye County Monitoring Well Data (provided by Nye County).

5.8 SUMMARY

The pumping test provides reliable measurements of the aquifer properties at the project site. The duration of the test was sufficient to measure the transmissivity, storage and leakance of the aquifer. The data indicates that the aquifer can sustainably yield the water supply needed to support the project for 25 years of operation and for the 3-year construction period. No significant interference with adjacent private wells is expected and impacts on Stump Springs are not anticipated.

The aquifer is not homogenous on the project site and the aquifer is more productive around Well #3 than around the Orchard Well. At this time, it is anticipated that the planned production wells for the project will not be located at Well #3 or the Orchard Well locations. Assuming that the hydraulic parameters measured at the two sites represent the typical range of variability in the aquifer, it will be possible to find well locations that have aquifer properties more similar to Well #3 than the Orchard Well and also are located farther from the neighboring private wells and Stump Springs. The data provided by the pumping test clearly indicate that the aquifer is capable of supporting the water needs of the project with negligible impact on neighboring wells and no impact on groundwater-dependent vegetation.

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S E C T I O N 6

References

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- California Department of Water Resources (DWR). 1975. California's Ground Water. Bulletin No. 118.
- Cardno ENTRIX, 2011, Hidden Hills Project Interim Assessment Report, prepared for BrightSource Energy.
- Flynn, K.S., Ludington, S., McLaurin, B.T., Castor, S.B. 2006. Chapter K. Mineral Resource Potential of The Stump Springs Area of Critical Environmental Concern, Clark County, Nevada. U.S. Geological Survey Scientific Investigations Report 2006-5197.
- Hantush, M. S., and R. G. Thomas (1966), A method for analyzing a drawdown test in anisotropic aquifers, Water Resour. Res., 2(2), 281–285.
- Hunt, C.B. , T.W. Robinson, W.A. Bowles, and A.L. Washburn. 1966. Hydrologic Basin Death Valley California. U.S. Geological Survey Professional Paper 494 – B.
- Malmberg, G.T., 1967, Hydrology of the valley-fill and carbonate-rock reservoirs, Pahrump Valley, Nevada--California: U.S. Geological Survey Water-Supply Paper 1832, 47 p.
- Waring, G. A. 1920. Ground Water in Pahrump, Mesquite, and Ivanpah Valleys Nevada and California. Water-Supply Paper 450-C.

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Inyo County Well Installation Permits

INYO COUNTY ENVIRONMENTAL HEALTH SERVICES

P. O. Box 427, Independence, CA 93526
(760) 878-0238 • Fax (760) 878-0239

207 W. South Street, Bishop, CA 93514
(760) 873-7866 • Fax (760) 873-3236

WELL PERMIT APPLICATION

Permit No. 502-034

TYPE OF WORK (Check) New Well ☒ 1-MW Repair or Modification ☐ Destruction ☐	USE Domestic ☐ Test Well ☐ Irrigation ☐ Municipal ☐ Monitoring ☒ Other ☐	EQUIPMENT (Check) Rotary ☒ Cable Tool ☐ Other ☐
PROPOSED WELL DEPTH 200 Feet	PROPOSED CASING Steel ☐ Other PVC ☐ Diameter 2" Wall or Gage Sch 80	
PROPOSED SEALING ZONE From 0 to 97 Feet		SEALING MATERIAL (Check) Neat Cement ☐ Bentonite Clay ☒ Cement Grout ☐ Concrete ☐
PHYSICAL SITE ADDRESS: 72 Old Spanish Trail PMP Tecopa, CA 92389 ASSESSOR'S PARCEL NO. 048-710-16		DATE OF WORK Start 02/07/12 Completion 02/23/12
NAME OF WELL OWNER: Mary Jane McMonigle and Linda Ekins, as Co-Trustees of the Mary Lee Wiley Trust MAILING ADDRESS: 612 South 7th Street Las Vegas, Nevada 89101 PHONE NUMBER:		NAME OF WELL DRILLER: Cascade Drilling, L.P. BUSINESS ADDRESS: 555 South Harbor Blvd. La Habra, California 90631 PHONE NUMBER:
(FOR OFFICE USE ONLY) DISPOSITION OF APPLICATION ☐ APPROVED ☐ DENIED ☐ APPROVED WITH CONDITIONS LISTED: ☐ Minimum _____ ft. seal of annular space (minimum 2 inches) is required and must be witnessed by Inyo County Environmental Health Services. ☐ A concrete pad shall be placed around the well casing that extends at least two feet laterally in all directions from the outside of the well boring and is a minimum of 4 inches thick. The pad must be sloped away from the well casing. ☐ Well driller's log shall be submitted to Inyo County Environmental Health Services within 30 days of completion of the well. ☐ Signed off on information provided by contractor Inyo County Environmental Health Services recommends that an acceptable bacteriological sample be obtained after the well is completed.		C-57 LICENSE NUMBER: 938110 Cash Deposit ☐ Bond Posted ☐ \$ 140 Fee paid on 2/2/12 Receipt No. 519171
		I hereby agree to comply with all regulations of the Department of Environmental Health Services and with all ordinances and laws of Inyo County and of the State of California pertaining to well construction, repair, modification and destruction at the time of commencement of work. <i>Mary Quintana</i> LICENSED WELL DRILLER'S SIGNATURE February 2, 2012 DATE
Site Approval/Permit Application Approval <i>[Signature]</i> 2/2/12 Date Construction Inspection <i>[Signature]</i> 2/23/12 Date Final Approval <i>[Signature]</i> 3/23/12 Date		

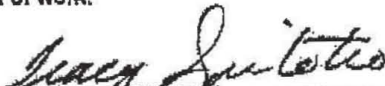
INYO COUNTY ENVIRONMENTAL HEALTH SERVICES

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207 W. South Street, Bishop, CA 93514
(760) 873-7866 • Fax (760) 873-3236

WELL PERMIT APPLICATION

Permit No. 512-094

MW-2	TYPE OF WORK (Check) New Well ☒ Repair or Modification ☐ Destruction ☐	USE Domestic ☐ Test Well ☐ Irrigation ☐ Municipal ☐ Monitoring ☒ Other ☐	EQUIPMENT (Check) Rotary ☒ Cable Tool ☐ Other ☐
	PROPOSED WELL DEPTH 200 Feet	PROPOSED CASING Steel ☐ Other PVC ☐ Diameter 2" Wall or Gage Sch 80	
PROPOSED SEALING ZONE From 0 to 97 Feet		SEALING MATERIAL (Check) Neat Cement ☐ Bentonite Clay ☒ Cement Grout ☐ Concrete ☐	
PHYSICAL SITE ADDRESS: 72 Old Spanish Trail PMP Tecopa, CA 92389 ASSESSOR'S PARCEL NO. 048-710-16		DATE OF WORK Start 02/07/12 Completion 02/23/12	
NAME OF WELL OWNER: Mary Jane McMonigle and Linda Ekins, as Co-Trustees of the Mary Lee Wiley Trust MAILING ADDRESS: 612 South 7th Street Las Vegas, Nevada 89101 PHONE NUMBER:		NAME OF WELL DRILLER: Cascade Drilling, L.P. BUSINESS ADDRESS: 655 South Harbor Blvd. La Habra, California 90631 PHONE NUMBER:	
(FOR OFFICE USE ONLY) DISPOSITION OF APPLICATION ☐ APPROVED ☐ DENIED ☐ APPROVED WITH CONDITIONS LISTED: ☐ Minimum _____ ft. seal of annular space (minimum 2 inches) is required and must be witnessed by Inyo County Environmental Health Services. ☐ A concrete pad shall be placed around the well casing that extends at least two feet laterally in all directions from the outside of the well boring and is a minimum of 4 inches thick. The pad must be sloped away from the well casing. ☐ Well driller's log shall be submitted to Inyo County Environmental Health Services within 30 days of completion of the well. ☒ Signed off based on information provided by contractor.		C-57 LICENSE NUMBER: 938110 Cash Deposit ☐ Bond Posted ☐ \$170 Fee paid on 2/3/12 Receipt No. 519175	
Inyo County Environmental Health Services recommends that an acceptable bacteriological sample be obtained after the well is completed.		I hereby agree to comply with all regulations of the Department of Environmental Health Services and with all ordinances and laws of Inyo County and of the State of California pertaining to well construction, repair, modification and destruction at the time of commencement of work.  LICENSED WELL DRILLER'S SIGNATURE February 2, 2012 DATE	
		Site Approval/Permit Application Approval <u>2/2/12</u> Construction Inspection <u>3/23/12</u> Final Approval <u>3/23/12</u>	

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207 W. South Street, Bishop, CA 93514
(760) 873-7868 • Fax (760) 873-3236

WELL PERMIT APPLICATION

Permit No. 512-05W

MW-3	TYPE OF WORK (Check) New Well ☒ Repair or Modification ☐ Destruction ☐	USE Domestic ☐ Test Well ☐ Irrigation ☐ Municipal ☐ Monitoring ☒ Other ☐	EQUIPMENT (Check) Rotary ☒ Cable Tool ☐ Other ☐												
	PROPOSED WELL DEPTH 200 Feet	PROPOSED CASING Steel ☐ Other PVC ☐ Diameter 2" Wall or Gage Sch 80													
PROPOSED SEALING ZONE From 0 to 97 Feet		SEALING MATERIAL (Check) Neat Cement ☐ Bentonite Clay ☒ Cement Grout ☐ Concrete ☐													
PHYSICAL SITE ADDRESS: Legal Description - S2S2 SEC 27, T22NR10E, EX S30 ASSESSOR'S PARCEL NO. 048-690-09		DATE OF WORK Start 02/07/12 Completion 02/23/12													
NAME OF WELL OWNER: Mary Jane McMonigle and Linda Ekins, as Co-Trustees of the Mary Lee Wiley Trust MAILING ADDRESS: 612 South 7th Street Las Vegas, Nevada 89101 PHONE NUMBER:		NAME OF WELL DRILLER: Cascade Drilling, L.P. BUSINESS ADDRESS: 555 South Harbor Blvd. La Habra, California 90631 PHONE NUMBER:													
(FOR OFFICE USE ONLY) DISPOSITION OF APPLICATION ☐ APPROVED ☐ DENIED ☐ APPROVED WITH CONDITIONS LISTED: ☐ Minimum _____ ft. seal of annular space (minimum 2 inches) is required and must be witnessed by Inyo County Environmental Health Services. ☐ A concrete pad shall be placed around the well casing that extends at least two feet laterally in all directions from the outside of the well boring and is a minimum of 4 inches thick. The pad must be sloped away from the well casing. ☐ Well driller's log shall be submitted to Inyo County Environmental Health Services within 30 days of completion of the well. ☐ Signed off based on information provided by contractor		C-57 LICENSE NUMBER: 938110 Cash Deposit ☐ Bond Posted ☐ \$ 140 Fee paid on 2/2/12 Receipt No. 519175 I hereby agree to comply with all regulations of the Department of Environmental Health Services and with all ordinances and laws of Inyo County and of the State of California pertaining to well construction, repair, modification and destruction at the time of commencement of work. <i>Mary Ekins</i> LICENSED WELL DRILLER'S SIGNATURE February 2, 2012 DATE <table border="0"> <tr> <td><i>[Signature]</i></td> <td>2/2/12</td> </tr> <tr> <td>Site Approval</td> <td>Date</td> </tr> <tr> <td><i>[Signature]</i></td> <td>3/23/12</td> </tr> <tr> <td>Construction Inspection</td> <td>Date</td> </tr> <tr> <td><i>[Signature]</i></td> <td>3/23/12</td> </tr> <tr> <td>Final Approval</td> <td>Date</td> </tr> </table>		<i>[Signature]</i>	2/2/12	Site Approval	Date	<i>[Signature]</i>	3/23/12	Construction Inspection	Date	<i>[Signature]</i>	3/23/12	Final Approval	Date
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Final Approval	Date														
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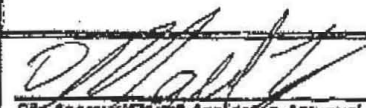
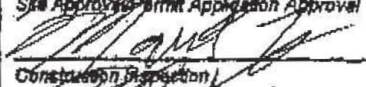
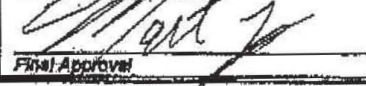
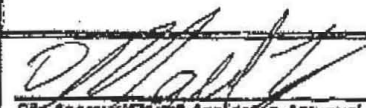
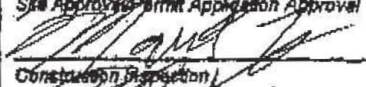
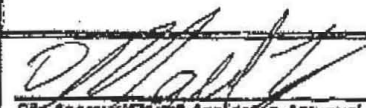
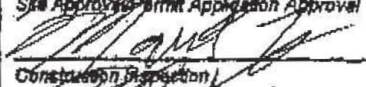
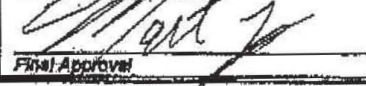
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(760) 873-7866 • Fax (760) 873-3238

WELL PERMIT APPLICATION

Permit No. 512-06W

4 TYPE OF WORK (Check) New Well ☒ Repair or Modification ☐ Destruction ☐	USE Domestic ☐ Irrigation ☐ Monitoring ☒ Test Well ☐ Municipal ☐ Other ☐	EQUIPMENT (Check) Rotary ☒ Cable Tool ☐ Other ☐				
PROPOSED WELL DEPTH 200 Feet	PROPOSED CASING Steel ☐ Other PVC ☐ Diameter <u>2"</u> Wall or Gage <u>Sch 80</u>					
PROPOSED SEALING ZONE From <u>0</u> to <u>97'</u> Feet		SEALING MATERIAL (Check) Neat Cement ☐ Cement Grout ☐ Bentonite Clay ☒ Concrete ☐				
PHYSICAL SITE ADDRESS: Legal Description - S2S2 SEC 27, T22NR10E, EX S30'		DATE OF WORK Start <u>02/07/12</u> Completion <u>02/23/12</u>				
ASSESSOR'S PARCEL NO. 048-690-09						
NAME OF WELL OWNER: Mary Jane McMonigle and Linda Ekins, as Co-Trustees of the Mary Lee Wiley Trust MAILING ADDRESS: 612 South 7th Street Las Vegas, Nevada 89101 PHONE NUMBER:		NAME OF WELL DRILLER: Cascade Drilling, L.P. BUSINESS ADDRESS: 555 South Harbor Blvd. La Habra, California 90831 PHONE NUMBER:				
(FOR OFFICE USE ONLY) DISPOSITION OF APPLICATION ☐ APPROVED ☐ DENIED ☐ APPROVED WITH CONDITIONS LISTED: ☐ Minimum _____ ft. seal of annular space (minimum 2 inches) is required and must be witnessed by Inyo County Environmental Health Services. ☐ A concrete pad shall be placed around the well casing that extends at least two feet laterally in all directions from the outside of the well boring and is a minimum of 4 inches thick. The pad must be sloped away from the well casing. ☐ Well driller's log shall be submitted to Inyo County Environmental Health Services within 30 days of completion of the well. ☐ <u>Signed off based on information provided by contractor</u>		C-57 LICENSE NUMBER: 938110 Cash Deposit ☐ Bond Posted ☐				
		\$140 Fee paid on <u>2/3/12</u> Receipt No. <u>519125</u> I hereby agree to comply with all regulations of the Department of Environmental Health Services and with all ordinances and laws of Inyo County and of the State of California pertaining to well construction, repair, modification and destruction at the time of commencement of work.  _____ LICENSED WELL DRILLER'S SIGNATURE February 2, 2012 _____ DATE <table border="1" style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 60%;">  Site Approval/Permit Application Approval </td> <td style="width: 40%;"> <u>2/2/12</u> Date </td> </tr> <tr> <td>  Construction Inspection </td> <td> <u>3/23/12</u> Date </td> </tr> <tr> <td>  Final Approval </td> <td> <u>3/23/12</u> Date </td> </tr> </table>	 Site Approval/Permit Application Approval	<u>2/2/12</u> Date	 Construction Inspection	<u>3/23/12</u> Date
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 Construction Inspection	<u>3/23/12</u> Date					
 Final Approval	<u>3/23/12</u> Date					
Inyo County Environmental Health Services recommends that an acceptable bacteriological sample be obtained after the well is completed.						

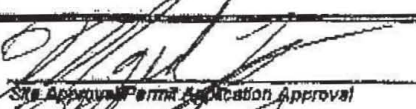
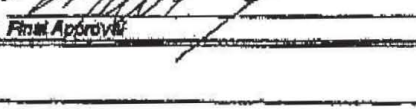
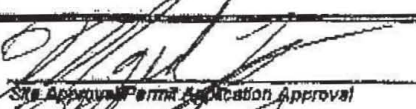
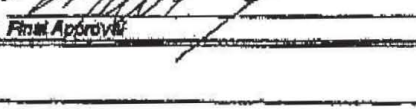
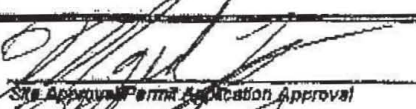
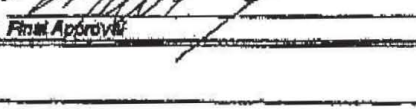
INYO COUNTY ENVIRONMENTAL HEALTH SERVICES

P. O. Box 427, Independence, CA 93526
(760) 878-0238 • Fax (760) 878-0239

207 W. South Street, Bishop, CA 93514
(760) 873-7866 • Fax (760) 873-3238

WELL PERMIT APPLICATION

Permit No. 517-07W

5-MW	TYPE OF WORK (Check) New Well ☒ Repair or Modification ☐ Destruction ☐	USE Domestic ☐ Test Well ☐ Irrigation ☐ Municipal ☐ Monitoring ☒ Other ☐	EQUIPMENT (Check) Rotary ☒ Cable Tool ☐ Other ☐				
PROPOSED WELL DEPTH 200 Feet		PROPOSED CASING Steel ☐ Other PVC ☐ Diameter 2" Wall or Gage Sch 80					
PROPOSED SEALING ZONE From 0 to 97 Feet		SEALING MATERIAL (Check) Neat Cement ☐ Bentonite Clay ☒ Cement Grout ☐ Concrete ☐					
PHYSICAL SITE ADDRESS: Legal Description - S2S2 SEC 27, T22NR10E, EX S30'		DATE OF WORK Start 02/07/12 Completion 02/23/12					
ASSESSOR'S PARCEL NO. 048-690-09		NAME OF WELL DRILLER: Cascade Drilling, L.P.					
NAME OF WELL OWNER: Mary Jane McMonigle and Linda Ekins, as Co-Trustees of the Mary Lee Wiley Trust MAILING ADDRESS: 612 South 7th Street Las Vegas, Nevada 89101 PHONE NUMBER:		BUSINESS ADDRESS: 555 South Harbor Blvd. La Habra, California 90631 PHONE NUMBER:					
(FOR OFFICE USE ONLY) DISPOSITION OF APPLICATION ☐ APPROVED ☐ DENIED ☐ APPROVED WITH CONDITIONS LISTED: ☐ Minimum _____ ft. seal of annular space (minimum 2 inches) is required and must be witnessed by Inyo County Environmental Health Services. ☐ A concrete pad shall be placed around the well casing that extends at least two feet laterally in all directions from the outside of the well boring and is a minimum of 4 inches thick. The pad must be sloped away from the well casing. ☐ Well driller's log shall be submitted to Inyo County Environmental Health Services within 30 days of completion of the well. ☐ <u>Signed off based on information provided by contractor</u>		G-57 LICENSE NUMBER: 938110 Cash Deposit ☐ Bond Posted ☐ \$140 Fee paid on 2/3/12 Receipt No. <u>517171</u> I hereby agree to comply with all regulations of the Department of Environmental Health Services and with all ordinances and laws of Inyo County and of the State of California pertaining to well construction, repair, modification and destruction at the time of commencement of work.  LICENSED WELL DRILLER'S SIGNATURE February 2, 2012 DATE					
Inyo County Environmental Health Services recommends that an acceptable bacteriological sample be obtained after the well is completed.		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">  Date 2/2/12 </td> <td style="width: 50%; text-align: center;">  Date 3/23/12 </td> </tr> <tr> <td style="width: 50%; text-align: center;">  Date 3/23/12 </td> <td style="width: 50%; text-align: center;">  Date </td> </tr> </table>		 Date 2/2/12	 Date 3/23/12	 Date 3/23/12	 Date
 Date 2/2/12	 Date 3/23/12						
 Date 3/23/12	 Date						

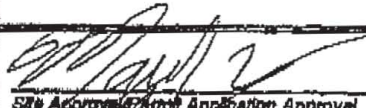
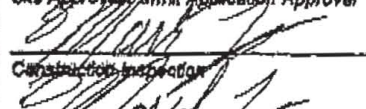
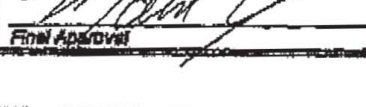
INYO COUNTY ENVIRONMENTAL HEALTH SERVICES

P. O. Box 427, Independence, CA 93526
(760) 878-0238 • Fax (760) 878-0239

207 W. South Street, Bishop, CA 93514
(760) 873-7888 • Fax (760) 873-3238

WELL PERMIT APPLICATION

Permit No. 512-08W

MW-6	TYPE OF WORK (Check)	USE		EQUIPMENT (Check)
	New Well ☒ Repair or Modification ☐ Destruction ☐	Domestic ☐ Irrigation ☐ Monitoring ☒	Test Well ☐ Municipal ☐ Other ☐	Rotary ☒ Cable Tool ☐ Other ☐
PROPOSED WELL DEPTH 200 Feet		PROPOSED CASING Steel ☐ Other PVC ☐ Diameter 2" Wall or Gage Sch 80		
PROPOSED SEALING ZONE From 0 to 97 Feet		SEALING MATERIAL (Check) Neat Cement ☐ Bentonite Clay ☒ Cement Grout ☐ Concrete ☐		
PHYSICAL SITE ADDRESS: Legal Description - S2S2 SEC 27, T22NR10E, EX S30'		DATE OF WORK Start 02/07/12 Completion 02/23/12		
ASSESSOR'S PARCEL NO. 048-690-09		NAME OF WELL DRILLER: Cascade Drilling, L.P.		
NAME OF WELL OWNER: Mary Jane McMonigle and Linda Ekins, as Co-Trustees of the Mary Lee Wiley Trust MAILING ADDRESS: 812 South 7th Street Las Vegas, Nevada 89101 PHONE NUMBER:		BUSINESS ADDRESS: 555 South Harbor Blvd. La Habra, California 90631 PHONE NUMBER:		
(FOR OFFICE USE ONLY) DISPOSITION OF APPLICATION		C-57 LICENSE NUMBER: 938110 Cash Deposit ☐ Bond Posted ☐ \$140 Fee paid on 2/3/12 Receipt No. 57912		
☐ APPROVED ☐ DENIED ☐ APPROVED WITH CONDITIONS LISTED: ☐ Minimum _____ ft. seal of annular space (minimum 2 inches) is required and must be witnessed by Inyo County Environmental Health Services. ☐ A concrete pad shall be placed around the well casing that extends at least two feet laterally in all directions from the outside of the well boring and is a minimum of 4 inches thick. The pad must be sloped away from the well casing. ☐ Well driller's log shall be submitted to Inyo County Environmental Health Services within 30 days of completion of the well. ☐ Signed off based on information provided by contractor		I hereby agree to comply with all regulations of the Department of Environmental Health Services and with all ordinances and laws of Inyo County and of the State of California pertaining to well construction, repair, modification and destruction at the time of commencement of work.  LICENSED WELL DRILLER'S SIGNATURE February 2, 2012 DATE		
Inyo County Environmental Health Services recommends that an acceptable bacteriological sample be obtained after the well is completed.		Site Approval/Permit Application Approval  2/2/12 Construction Inspection  3/23/12 Final Approval  3/23/12		

Monitoring Well Installation Boring Logs

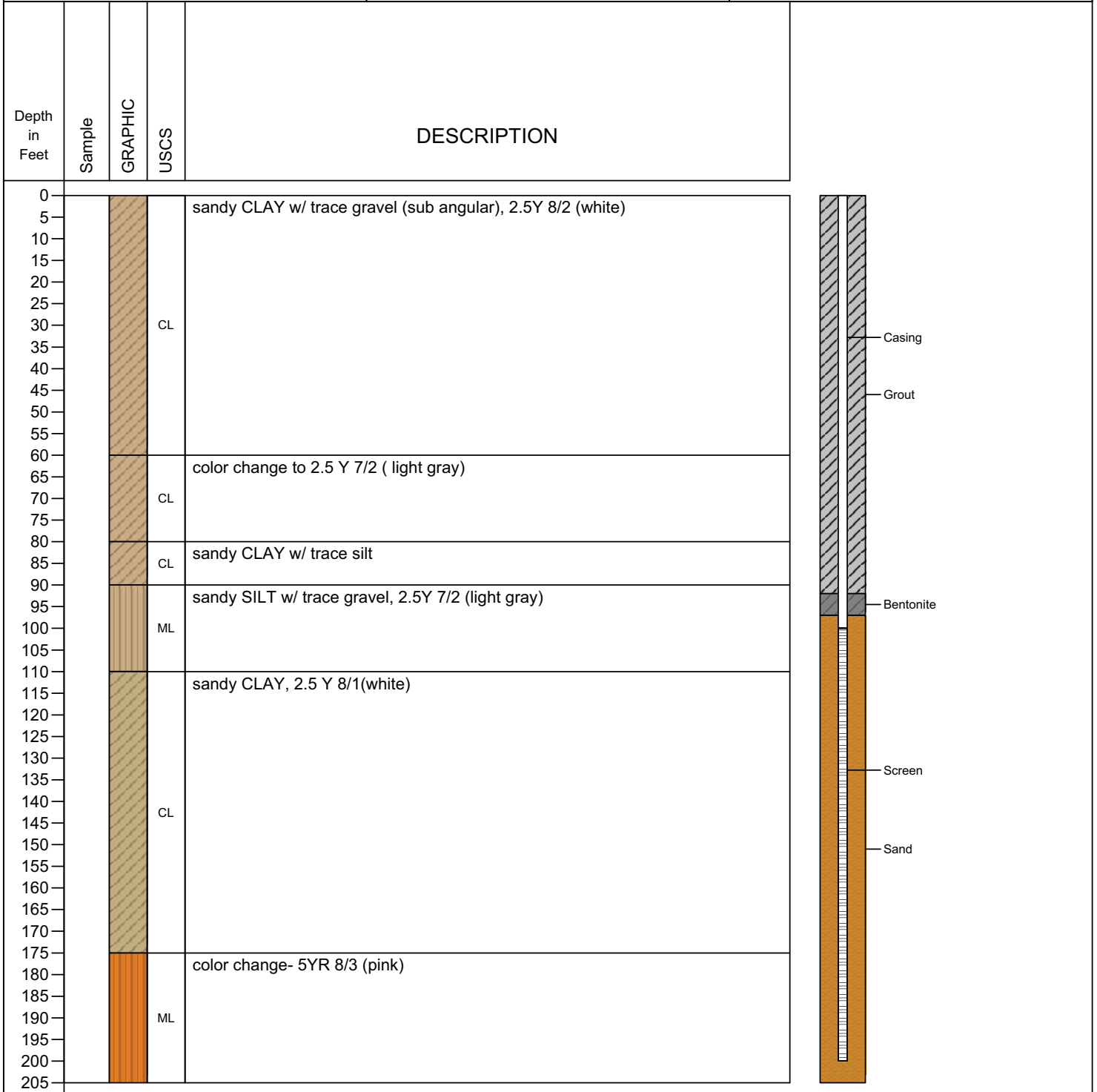
Monitoring Well- MW-1

(Page 1 of 1)

Well Installation : February 9, 2012 to
: February 10, 2012
Location: : ~200 ft W of Orchard Well

Total Depth : 205 ft bgs
Surface Elevation : ~795 ft amsl
Well Casing Diameter : 2 in.
Screen Length : 100 feet
Screen Slot Size : 0.020 in.
Screen Depth : 100 to 200 ft bgs
Drilling Company : Cascade Drilling
Drilling Method : Air Hammer

Cement Grout : Surface to 92 ft bgs
Bentonite Seal : 92 to 97 ft bgs
#3 Sand Filter Pack : 97 ft bgs to 200 ft bgs



BrightSource Energy
Hidden Hills
Monitoring Well Log and Construction Diagram



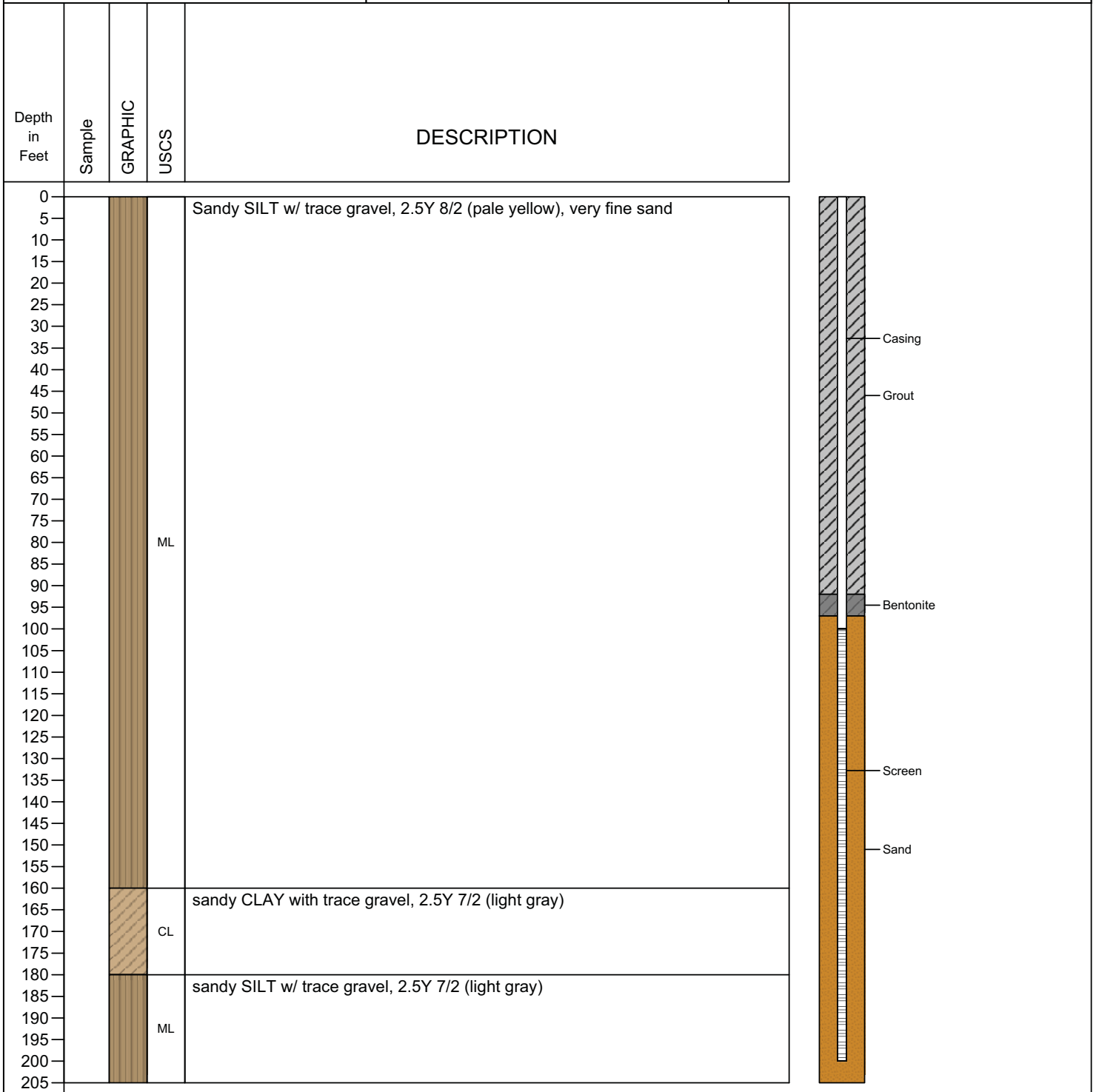
Monitoring Well- MW-2

(Page 1 of 1)

Well Installation : February 8, 2012 to
: February 9, 2012
Location : ~50 ft S of Orchard Well

Total Depth : 205 ft bgs
Surface Elevation : ~795 ft amsl
Well Casing Diameter : 2 in.
Screen Length : 100 feet
Screen Slot Size : 0.020 in.
Screen Depth : 100 to 200 ft bgs
Drilling Company : Cascade Drilling
Drilling Method : Air Hammer

Cement Grout : Surface to 92 ft bgs
Bentonite Seal : 92 to 97 ft bgs
#3 Sand Filter Pack : 97 ft bgs to 200 ft bgs



BrightSource Energy
Hidden Hills
Monitoring Well Log and Construction Diagram



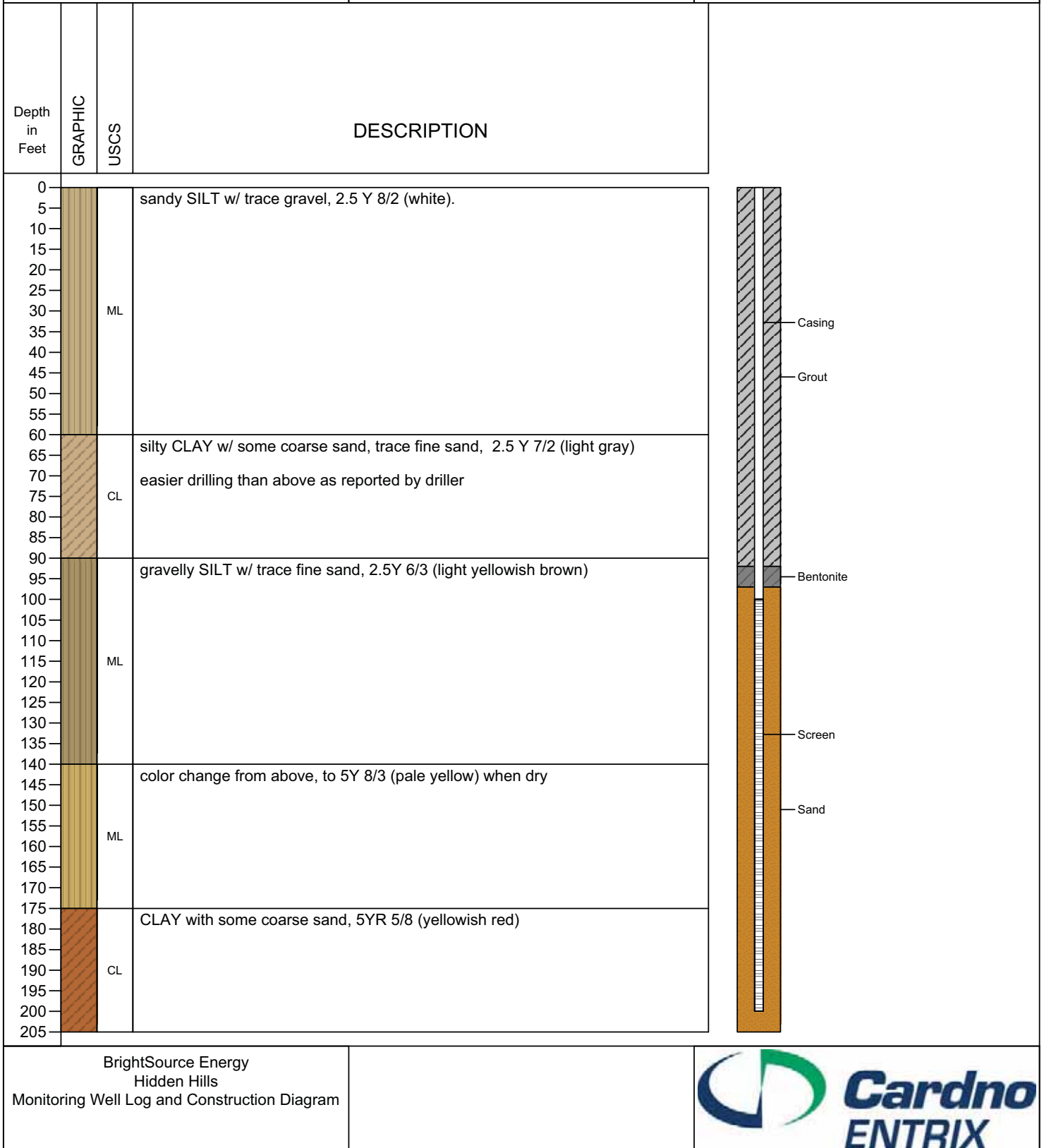
Monitoring Well- MW-3

(Page 1 of 1)

Well Installation : February 11, 2012
Location : ~200 ft W of Well #3

Total Depth : 205 ft bgs
Surface Elevation : ~795 ft amsl
Well Casing Diameter : 2 in.
Screen Length : 100 feet
Screen Slot Size : 0.020 in.
Screen Depth : 100 to 200 ft bgs
Drilling Company : Cascade Drilling
Drilling Method : Air Hammer

Cement Grout : Surface to 92 ft bgs
Bentonite Seal : 92 to 97 ft bgs
#3 Sand Filter Pack : 97 ft bgs to 200 ft bgs



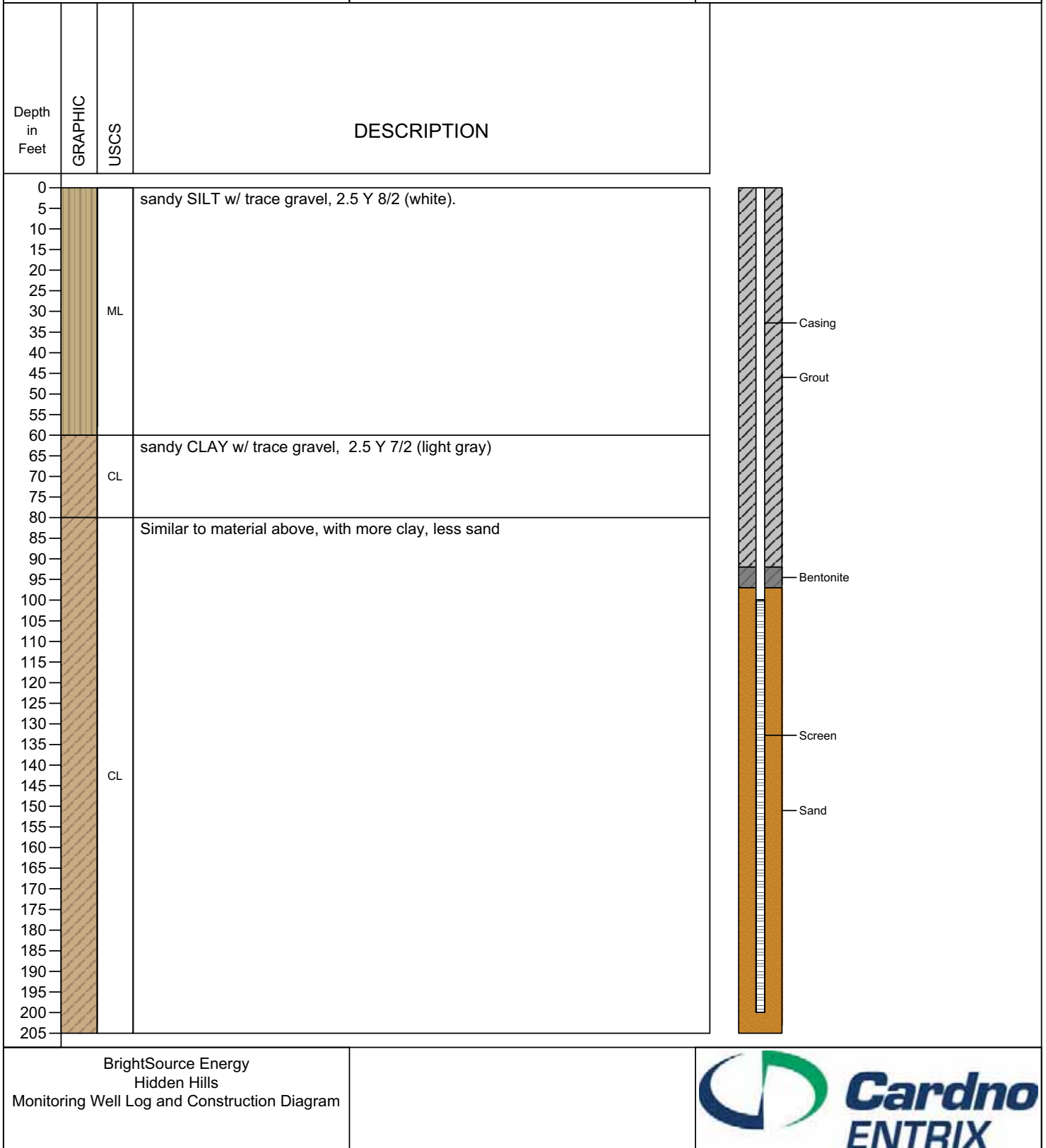
Monitoring Well- MW-4

(Page 1 of 1)

Well Installation : February 9, 2012 to
: February 10, 2012
Location : ~25ft SE of Well #3

Total Depth : 205 ft bgs
Surface Elevation : ~795 ft amsl
Well Casing Diameter : 2 in.
Screen Length : 100 feet
Screen Slot Size : 0.020 in.
Screen Depth : 100 to 200 ft bgs
Drilling Company : Cascade Drilling
Drilling Method : Air Hammer

Cement Grout : Surface to 92 ft bgs
Bentonite Seal : 92 to 97 ft bgs
#3 Sand Filter Pack : 97 ft bgs to 200 ft bgs



Monitoring Well- MW-5

(Page 1 of 1)

Well Installation : February 12, 2012 to

: February 13, 2012

Location : ~50ft N of Well #3

Total Depth : 205 ft bgs

Surface Elevation : ~795 ft amsl

Well Casing Diameter : 2 in.

Screen Length : 100 feet

Screen Slot Size : 0.020 in.

Screen Depth : 100 to 200 ft bgs

Drilling Company : Cascade Drilling

Drilling Method : Air Hammer

Cement Grout : Surface to 92 ft bgs

Bentonite Seal : 92 to 97 ft bgs

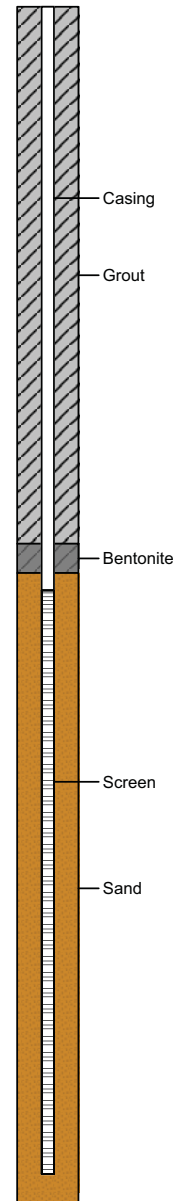
#3 Sand Filter Pack : 97 ft bgs to 200 ft bgs

Depth
in
Feet

GRAPHIC

USCS

DESCRIPTION



0			fine sandy SILT w/ trace gravel, 2.5Y 8/2 (white)
5	ML		
10			sandy GRAVEL w/ trace fines, 2.5Y8/2 (white)
15	GW		
20			gravelly SAND w/ some fines, medium sand, 10YR 6/4 (light yellowish brown)
25	SW		
30			
35			
40			gravelly SAND w/ some fines, well graded, sub-rounded to rounded.
45	SW		
50			silty GRAVEL, 10YR 7/3 (very pale brown), well graded sub-angular gravel
55			
60			
65	GW		
70			
75			
80			sandy SILT w/ trace gravel, 10YR 6/4 (light yellowish brown), very fine sand
85			
90			
95	ML		
100			
105			
110			
115			SILT w/ trace sand and gravel, 10YR 7/3 (very pale brown), high plasticity, low elasticity, wet, firm
120			
125			
130			
135	ML		
140			
145			
150			
155			
160			sandy CLAY w/ trace gravel, 7.5YR 5/4 (brown), medium to fine sand, low plasticity, soft, wet
165			
170			
175			
180	CL		
185			
190			
195			
200			
205			

BrightSource Energy
Hidden Hills

Monitoring Well Log and Construction Diagram



Monitoring Well- MW-6

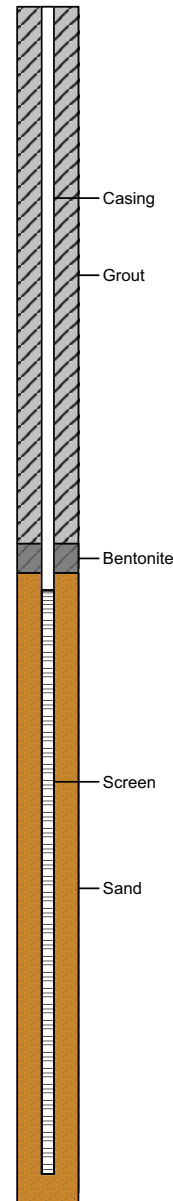
(Page 1 of 1)

Well Installation : February 11, 2012
Location : ~1450 ft NE of Well #3

Total Depth : 205 ft bgs
Surface Elevation : ~795 ft amsl
Well Casing Diameter : 2 in.
Screen Length : 100 feet
Screen Slot Size : 0.020 in.
Screen Depth : 100 to 200 ft bgs
Drilling Company : Cascade Drilling
Drilling Method : Air Hammer

Cement Grout : Surface to 92 ft bgs
Bentonite Seal : 92 to 97 ft bgs
#3 Sand Filter Pack : 97 ft bgs to 200 ft bgs

Depth in Feet	GRAPHIC	USCS	DESCRIPTION
0			sandy SILT w/ trace gravel, 2.5Y 8/2 (pale yellow)
5		ML	
10			clayey SAND, 2.5Y 8/2 (pale yellow), subrounded sand
15			
20		SC	
25			
30			silty GRAVEL w/ some sand, 2.5Y 5/1 (grayish brown)
35			
40		GM	
45			
50			gravelly SAND w/ trace clay, 2.5Y 5/2 (grayish brown)
55		SW	
60			sandy SILT w/ trace gravel, 2.5Y 8/2 (white), rounded sand/gravel
65			
70		ML	
75			
80			clayey SAND w/ some gravel, 2.5Y 5/2 (grayish brown)
85			
90		SC	
95			
100			gravelly SILT w/ trace sand, 2.5Y 6/3 (light yellowish brown)
105			
110		ML	
115			gravelly SAND w/ trace fines, 2.5Y 7/3 (pale yellow)
120			
125		SW	
130			
135			sandy CLAY, 2.5Y 8/2 (white)
140			
145		CL	
150			
155			
160			
165			
170			
175			CLAY w/ some coarse sand, 5YR 5/8 (yellowish red)
180			
185		CL	
190			
195			
200			
205			



BrightSource Energy
Hidden Hills
Monitoring Well Log and Construction Diagram



Long Term Aquifer Performance Test Plan



Long-Term Aquifer Performance Testing Plan

Hidden Hills Solar Electric Generating System

Date: February 1, 2012

Prepared By:

Cardno ENTRIX
201 N. Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103
1.805.962.7679
www.cardnoentrix.com

Prepared For:

BrightSource Energy
199 Harrison Street, Suite 2150
Oakland, CA 94612

Table of Contents

1.0 Background	1
2.0 Materials and Preparation for the APT	2
3.0 APT Set-Up and Execution.....	2
4.0 Analyses of Monitoring Data and Summary Report.....	4

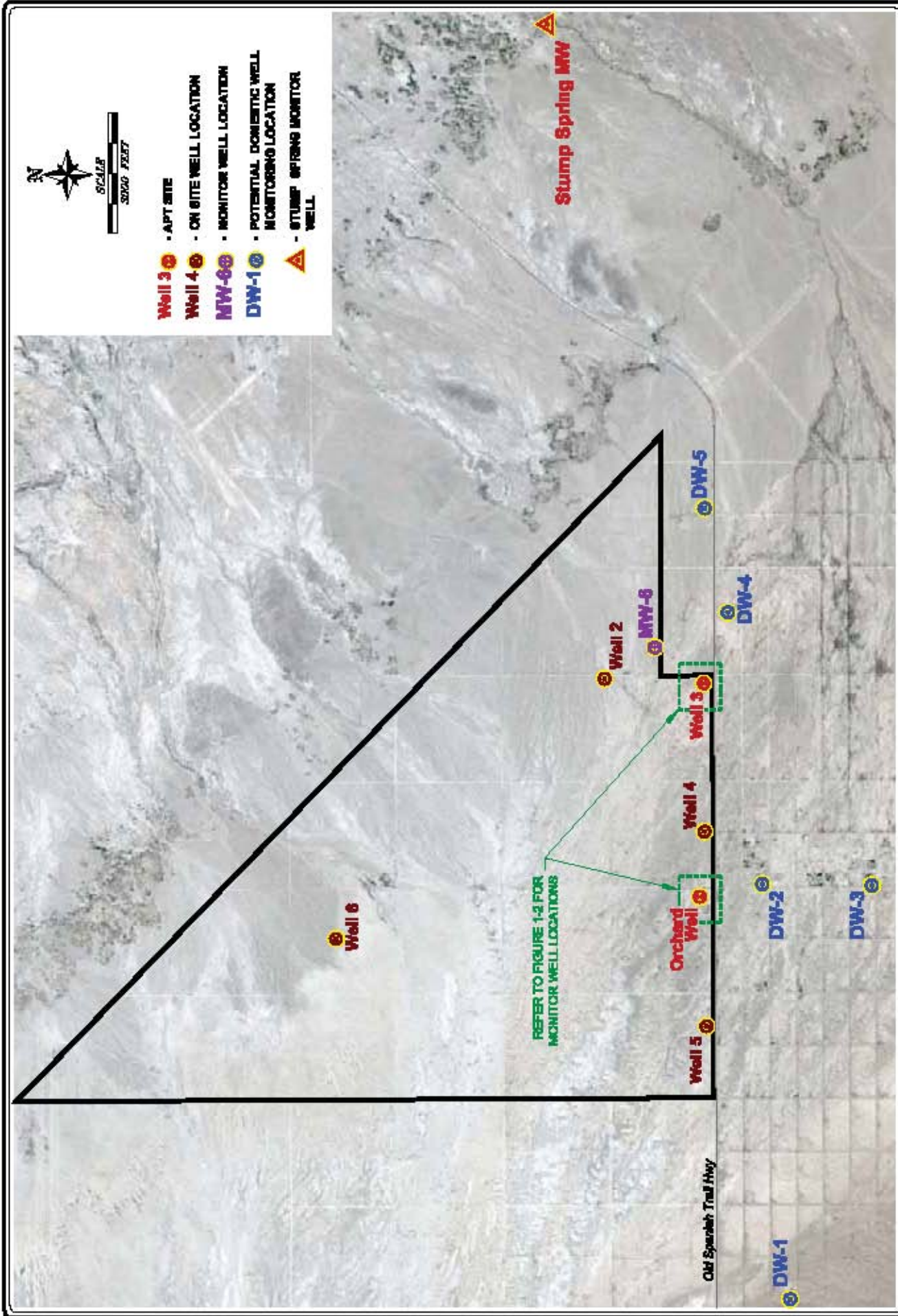
1.0 Background

Cardno ENTRIX will conduct a comprehensive aquifer performance test (APT) at the Hidden Hills Solar Electric Generating System site to determine the project area aquifer yield and potential effects associated with groundwater pumping. The APT data will be used to:

- 1) determine the project area aquifer hydraulic coefficients (i.e., transmissivity, storativity, and leakance),
- 2) assess the drawdown impacts to nearby users based on actual measured drawdown at selected locations,
- 3) assess the potential for drawdown impacts at Stump Spring,
- 4) determine anisotropy and potential presence of hydraulic barrier boundaries within the aquifer and,
- 5) assess the potential biological drawdown impacts from the project on groundwater dependent vegetation around the site.

The projected water demand for the proposed project is approximately 140 acre-feet per year (AFY) to be provided from three wells located across the site. The APT is designed to simulate projected operations to the degree possible using existing on site wells. For the APT, two existing onsite wells will be used as pumping wells to replicate the proposed operational scenario. The plan is to use Well #3 and the Orchard well, located along Tecopa Highway (Figure 1-1). Although the existing wells that will be used for the proposed APT are not in the final locations where the production wells will ultimately be located, they are on the project site and will provide a sufficiently accurate determination of potential drawdown to understand potential effects of the project.

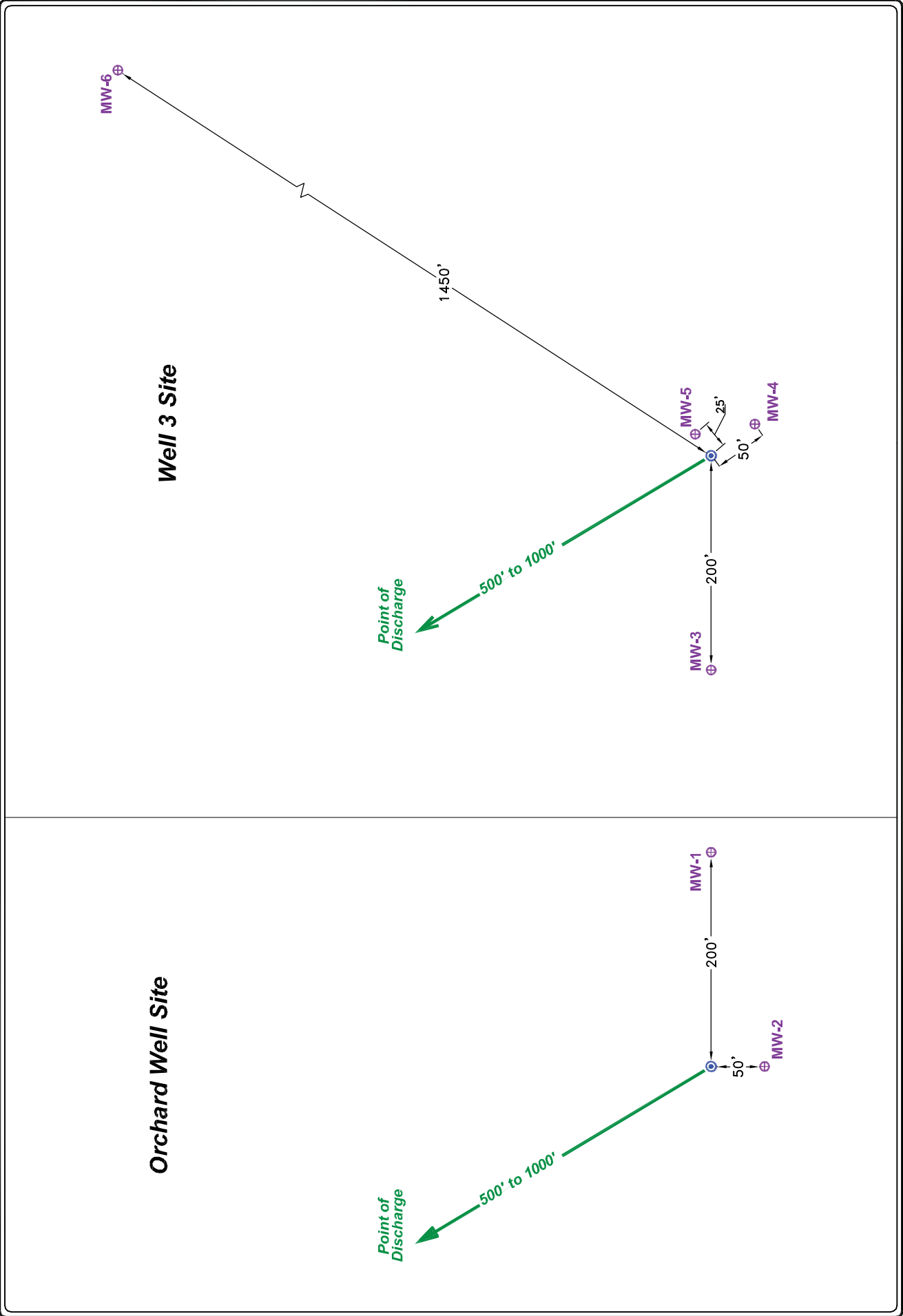
Six small-diameter monitoring wells will be installed near the pumping wells (Figure 1-2). Well installation permits will be obtained from Inyo County. Installing monitoring wells closer to the pumped wells will allow the collection of accurate measurements of the drawdown field around each well and thereby determination of the aquifer properties such as transmissivity, storage, and anisotropy. The well pumping closest to Stump Spring will have three wells drilled approximately 25, 50, and 200 feet from the pumping well, as well as a distant well approximately 1,400 to the northeast. The wells will be laid out as possible to fit on the site with nominal orientations of 120 degrees apart. The pumping well will have two monitoring wells located approximately 50 and 200 feet from the pumping well oriented approximately 90 degrees apart. The monitoring wells will be drilled to a similar depth of the pumping well and screened in a sand and gravel unit at the same depth or higher than the pumping interval of the adjacent pumping well. The nominal depth of the monitoring wells is assumed to be 150 to 200 feet. Cardno ENTRIX personnel will obtain the permits, oversee well construction and testing, collect lithologic and hydrogeologic data, and provide evaluation of site data and testing results. Dust control measures will be used to minimize dust generation during the phases of operations (primarily drilling activity) that could create dust.



PROJECT NAME: BRIGHTSOURCE ENERGY HIDDEN HILLS
PROJECT NUMBER: P3153001.00

DWG. NUMBER: P3153001gs3
DATE: 02/01/12

FIGURE 1-1. MAP SHOWING AQUIFER PERFORMANCE TEST WELLS AND ADJACENT MONITOR WELLS.



PROJECT NAME: BRIGHTSOURCE ENERGY HIDDEN HILLS
PROJECT NUMBER: P3153001.00

DWG. NUMBER: P3153001gs3
DATE: 02/01/12

FIGURE 1-2. PROPOSED APT MONITOR WELL LOCATIONS.

2.0 Materials and Preparation for the APT

Cardno ENTRIX will coordinate the necessary site preparation and testing procedures. A licensed drilling contractor will provide/furnish the items listed below that are necessary to facilitate the completion of the APT.

- Furnish, install, and operate generators to power the pumps in the production wells.
- Provide throttling devices to adjust pumping rates as specified, and furnish and install a gate valve or equivalent on the discharge side of the pump to obtain the optimal discharge rate, shut off flow, and stop gravity drainage.
- Provide all necessary materials and personnel to ensure continuous operation of the pump for the duration of the test.
- Furnish and install an in-line flowmeter on each pump with a flow rate indicator and totalizer that has been calibrated within the last 90 days, and is capable of measuring discharge up to 200 gpm.
- Furnish and install all piping and hardware necessary to provide a leak-proof seal at the wellhead and along the discharge line to the point of discharge (POD).
- Furnish and install discharge line of sufficient capacity to convey the produced formation waters to the specified POD without reducing the flow below the target pumping rate.
- Install an access port on top of the production wellheads with a minimum inner diameter of 1-inch to permit installation of a 50-psi pressure transducer. The transducer must be able to reach within 10 feet of the top of the pump bowl. (Transducers will be provided for the project by Cardno ENTRIX).
- Furnish and install flow diffusers at the POD for each well to prevent erosion.
- Conduct dust control measures by deploying watering truck during dust generating components of the work.
- Demobilization

3.0 APT Set-Up and Execution

The constant rate APT will be performed by pumping two existing onsite wells simultaneously while monitoring pressure response data in the pumped wells, six monitoring wells, possibly three nearby domestic wells (if permission and viable well access are determined), and the monitoring well at Stump Spring (Figure 1-1). The monitoring well locations will be strategically selected to enable delineation of the extent of the cone of depression induced by each individual well.

The APT will be conducted at a combined constant pumping rate of approximately 90 gallons per minute (gpm) at the wells for 7 days and will be extended up to a maximum of 14 days or until steady state is reached. A minimum of 72 hours of background data will be collected before the test. Data loggers will be installed in the production wells, in the six monitoring wells located adjacent to the production wells, in the Stump Spring monitor well, and in the selected domestic wells. The data loggers will remain in the monitoring wells for a minimum of 72 hours after the completion of the test to monitor recovery of the water levels in the wells. Water level measurements at wells 4 and 5 will also be collected before, during and after the test.

Water samples from the well will be collected for laboratory analysis of major ions after approximately four hours of pumping and at the end of the APT to assess water quality. A summary of the water quality parameters to be evaluated are provided in Table 3-1 shown below.

Table 3-1 Selected Water Quality Parameters for Laboratory Testing

Calcium (Ca)	Hardness (CaCO ₃)
Magnesium (Mg)	Iron (Fe)
Sodium (Na)	Manganese (Mn)
Potassium (K)	Arsenic (As)
Bicarbonate (HCO ₃)	Mercury (Hg)
Carbonate (CO ₃)	Selenium (Se)
Total Dissolved Solids	pH
Gross Alpha/Beta	Radium 226/228
Uranium	Oxygen-18/Deuterium
Sulfate (SO ₄)	Pesticide Scan
Chloride (Cl)	Herbicide Scan
Nitrate as N	Volatile Organic Compound (VOC) Scan
CAM17 metals	

Water discharged from the pumped wells will be conveyed to a POD. The POD for each well will be selected at a significant distance from the well to avoid the recirculation of water, to avoid influence to the monitoring wells, and at a location to prevent offsite discharge of produced groundwater. The clay-rich sediments at the surface should aid in retarding recharge and will limit recirculation. The POD will be located approximately 500 feet to 1,000 feet from the pumped well. Water conveyed to the POD will be discharged through a diffuser device to spread the discharge in an effort to reduce ponding. In addition to discharging water to the POD, produced groundwater will be stored in water tankers which will then be used to control dust emissions onsite.

Cardno ENTRIX will provide Lahontan Regional Water Quality Control Board a description of the proposed testing with provisions for maintaining the water onsite and outline measures to avoid any offsite impacts in order to obtain their approval to conduct the test.

Cardno ENTRIX will execute the following specific requirements to facilitate the conductance of the APT and demobilization of selected equipment:

- Record 72 hours of background water-level readings from the site prior to initiating pumping.
- Collect water level monitoring data during the test.
- Collect water level monitoring data for approximately 72 hours after cessation of pumping, or until water-levels recover to pre-pumping conditions.
- Conduct and coordinate water quality sampling with laboratory.
- Oversee the removal of all equipment from the site and re-sealing of the wellheads at the production wells at the completion of the APT.
- Organize and deliver all data collected from each phase of testing to BrightSource Energy in Microsoft Excel format.

4.0 Analyses of Monitoring Data and Summary Report

Subsequent to the completion of the APT, monitoring data collected from each well will be analyzed to estimate transmissivity, storage coefficient, and leakance of the aquifer of interest. The drawdown data will be also used to determine anisotropy and the presence of “boundary effects” within the aquifer. The cone of depression will be compared to the location of Stump Spring and known groundwater dependent vegetation to evaluate the potential for pumping at the site to cause water level drawdown at the spring. Field data will be made available within seven days of completion of the test. The results will be provided in a letter report summarizing the testing procedures and data evaluation. The report will be completed within 30 days of completion of the test.



Down to Earth.
Down to Business.™



APPENDIX D

Tables

List of Tables in Appendix D

Table D-1	Well #3 Water Level data
Table D-2	Orchard Well Water Level Data
Table D-3	MW-1 Water Level data
Table D-4	MW-2 Water Level data
Table D-5	MW-3 Water Level data
Table D-6	MW-4 Water Level data
Table D-7	MW-5 Water Level data
Table D-8	MW-6 Water Level data
Table D-9	Manual Water Level and Totalizer data
Table D-10	Manual Water Level Data: Well #2 and Well #4
Table D-11	Stump Springs Water Level Data

Table D-1

Well #3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (FT)	DTW (FT BTOC)	Manual Measurement (ft btoc)	Comments
2/17/2012 11:00		19.07	3.107				
2/17/2012 11:01		19.073	3.089	0.018			
2/17/2012 11:02		19.078	3.092	-0.003			
2/17/2012 11:03		19.078	3.076	0.016			
2/17/2012 11:04	0	19.079	5.876	0	131.25	131.25	Start of Test- Delayed start
2/17/2012 11:05	60	19.085	9.15	1.63	131.067		
2/17/2012 11:06	120	19.088	8.492	0.658	132.697		
2/17/2012 11:07	180	19.09	7.738	0.754	133.355		
2/17/2012 11:08	240	19.091	7.073	0.665	134.109		
2/17/2012 11:09	300	19.094	6.481	0.592	134.774		
2/17/2012 11:10	360	19.096	6.003	0.478	135.366		
2/17/2012 11:15	660	19.107	4.409	1.594	135.844		
2/17/2012 11:20	960	19.125	3.52	0.889	137.438		
2/17/2012 11:25	1260	19.13	2.953	0.567	138.327		
2/17/2012 11:30	1560	19.152	2.66	0.293	138.894	138.95	
2/17/2012 11:35					139.187		
2/17/2012 11:35	1860	19.168	2.395	0.265	139.187		
2/17/2012 11:40	2160	19.178	2.21	0.185	139.452		
2/17/2012 11:45	2460	19.192	2.317	-0.107	139.637		
2/17/2012 11:50	2760	19.275	2.339	-0.022	139.53		PROBLEM W/ Transducer- Hung up in well
2/17/2012 13:40	9360	20.695	52.278		141.74	141.74	Transducer fixed/redeployed
2/17/2012 13:45	9660	19.607	52.1	0.178	141.918		
2/17/2012 13:50	9960	19.367	52.085	0.193	141.933		
2/17/2012 13:55	10260	19.307	52.083	0.195	141.935		
2/17/2012 14:00	10560	19.291	52.08	0.198	141.938		
2/17/2012 14:05	10860	19.292	52.099	0.179	141.919		
2/17/2012 14:10	11160	19.28	52.104	0.174	141.914		

Table D-1

Well #3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (FT)	DTW (FT BTOC)	Manual Measurement (ft btoc)	Comments
2/17/2012 14:15	11460	19.284	52.105	0.173	141.913		
2/17/2012 14:20	11760	19.283	52.109	0.169	141.909		
2/17/2012 14:35	12660	19.285	52.1	0.178	141.918		
2/17/2012 14:50	13560	19.289	52.099	0.179	141.919		
2/17/2012 15:05	14460	19.293	52.105	0.173	141.913		
2/17/2012 15:20	15360	19.292	51.369	0.909	142.649		
2/17/2012 15:35	16260	19.295	51.426	0.852	142.592		
2/17/2012 15:50	17160	19.3	51.543	0.735	142.475		
2/17/2012 16:05	18060	19.3	51.662	0.616	142.356		
2/17/2012 16:20	18960	19.291	51.737	0.541	142.281		
2/17/2012 16:35	19860	19.296	51.809	0.469	142.209		
2/17/2012 16:50	20760	19.294	51.852	0.426	142.166		
2/17/2012 16:56					142.578	142.28	
2/17/2012 17:05	21660	19.309	51.44	0.838	142.578		
2/17/2012 17:20	22560	19.303	51.414	0.864	142.604		
2/17/2012 17:35	23460	19.301	51.584	0.694	142.434		
2/17/2012 17:50	24360	19.299	51.571	0.707	142.447		
2/17/2012 18:05	25260	19.305	51.821	0.457	142.197		
2/17/2012 18:20	26160	19.305	51.244	1.034	142.774		
2/17/2012 18:35	27060	19.306	51.229	1.049	142.789		
2/17/2012 18:50	27960	19.303	51.297	0.981	142.721		
2/17/2012 19:05	28860	19.308	51.4	0.878	142.618		
2/17/2012 19:20	29760	19.311	51.488	0.79	142.53		
2/17/2012 19:35	30660	19.305	51.499	0.779	142.519		
2/17/2012 19:50	31560	19.313	51.534	0.744	142.484		
2/17/2012 20:05	32460	19.314	51.587	0.691	142.431		
2/17/2012 20:07					142.487	142.45	

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Well #3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (FT)	DTW (FT BTOC)	Manual Measurement (ft btoc)	Comments
2/17/2012 20:20	33360	19.312	51.531	0.747	142.487		
2/17/2012 20:35	34260	19.322	51.834	0.444	142.184		
2/17/2012 20:50	35160	19.32	52.033	0.245	141.985		
2/17/2012 21:20	36960	19.334	52.712	-0.434	141.306		
2/17/2012 21:50	38760	19.351	53.643	-1.365	140.375		
2/17/2012 22:00					142.188	140.57	
2/17/2012 22:20	40560	19.369	51.83	0.448	142.188		
2/17/2012 22:50	42360	19.354	51.991	0.287	142.027		
2/17/2012 23:20	44160	19.349	51.212	1.066	142.806		
2/17/2012 23:50	45960	19.345	51.116	1.162	142.902		
2/17/2012 23:57					142.799	142.9	
2/18/2012 0:20	47760	19.336	51.219	1.059	142.799		
2/18/2012 0:50	49560	19.337	51.285	0.993	142.733		
2/18/2012 1:20	51360	19.338	51.367	0.911	142.651		
2/18/2012 1:50	53160	19.336	51.399	0.879	142.619		
2/18/2012 2:00					143.303	142.62	
2/18/2012 2:20	54960	19.336	50.715	1.563	143.303		
2/18/2012 2:50	56760	19.328	50.745	1.533	143.273		
2/18/2012 3:50	60360	19.332	50.838	1.44	143.18		
2/18/2012 4:00					143.468	143.15	
2/18/2012 4:50	63960	19.321	50.55	1.728	143.468		
2/18/2012 5:50	67560	19.321	50.662	1.616	143.356		
2/18/2012 6:00					144.071	143.5	
2/18/2012 6:50	71160	19.317	49.947	2.331	144.071		
2/18/2012 7:50	74760	19.313	50.077	2.201	143.941		
2/18/2012 8:05					143.939	144	
2/18/2012 8:50	78360	19.308	50.079	2.199	143.939		

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Well #3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (FT)	DTW (FT BTOC)	Manual Measurement (ft btoc)	Comments
2/18/2012 9:50	81960	19.315	50.12	2.158	143.898		
2/18/2012 10:04					143.863	144	
2/18/2012 10:50	85560	19.316	50.155	2.123	143.863		
2/18/2012 11:50	89160	19.311	50.278	2	143.74		
2/18/2012 12:01					144.278	144.7	
2/18/2012 12:50	92760	19.307	49.74	2.538	144.278		
2/18/2012 13:50	96360	19.308	49.855	2.423	144.163		
2/18/2012 14:02					144.056	144.1	
2/18/2012 14:50	99965	19.314	49.962	2.316	144.056		
2/18/2012 15:50	103565	19.314	50.057	2.221	143.961		
2/18/2012 16:02					144.086	143.9	
2/18/2012 16:50	107165	19.318	49.932	2.346	144.086		
2/18/2012 17:50	110765	19.321	50.147	2.131	143.871		
2/18/2012 18:03					143.956	143.95	
2/18/2012 18:50	114365	19.324	50.062	2.216	143.956		
2/18/2012 19:50	117965	19.322	50.102	2.176	143.916		
2/18/2012 20:00					143.812	143.95	
2/18/2012 20:50	121565	19.328	50.206	2.072	143.812		
2/18/2012 21:50	125165	19.331	50.344	1.934	143.674		
2/18/2012 22:00					143.596	143.7	
2/18/2012 22:50	128765	19.332	50.422	1.856	143.596		
2/18/2012 23:50	132365	19.334	50.382	1.896	143.636		
2/18/2012 23:55					143.625	143.7	
2/19/2012 0:50	135965	19.325	50.393	1.885	143.625		
2/19/2012 1:50	139565	19.332	50.218	2.06	143.8		
2/19/2012 2:01					143.679	143.8	
2/19/2012 2:50	143165	19.333	50.339	1.939	143.679		

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Well #3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (FT)	DTW (FT BTOC)	Manual Measurement (ft btoc)	Comments
2/19/2012 3:50	146765	19.34	50.373	1.905	143.645		
2/19/2012 4:00					143.655	143.75	
2/19/2012 4:50	150365	19.336	50.363	1.915	143.655		
2/19/2012 5:50	153965	19.338	50.275	2.003	143.743		
2/19/2012 6:00					143.797	143.8	
2/19/2012 6:50	157565	19.331	50.221	2.057	143.797		
2/19/2012 7:50	161165	19.332	50.164	2.114	143.854		
2/19/2012 8:00					144.149	143.9	
2/19/2012 8:50	164765	19.331	49.869	2.409	144.149		
2/19/2012 9:50	168365	19.328	49.703	2.575	144.315		
2/19/2012 10:00					144.325	145.4	
2/19/2012 10:50	171965	19.321	49.693	2.585	144.325		
2/19/2012 11:50	175565	19.327	49.54	2.738	144.478		
2/19/2012 12:00					144.473	144.6	
2/19/2012 12:50	179165	19.319	49.545	2.733	144.473		
2/19/2012 13:50	182765	19.322	49.544	2.734	144.474		
2/19/2012 14:00					144.501	144.6	
2/19/2012 14:50	186365	19.329	49.517	2.761	144.501		
2/19/2012 15:50	189965	19.319	49.522	2.756	144.496		
2/19/2012 16:00					144.535	144.7	
2/19/2012 16:50	193565	19.318	49.483	2.795	144.535		
2/19/2012 17:50	197165	19.323	49.452	2.826	144.566		
2/19/2012 18:00					144.595	144.7	
2/19/2012 18:50	200765	19.319	49.423	2.855	144.595		
2/19/2012 19:50	204365	19.32	49.342	2.936	144.676		
2/19/2012 20:04					144.749	144.75	
2/19/2012 20:50	207965	19.324	49.269	3.009	144.749		

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Well #3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (FT)	DTW (FT BTOC)	Manual Measurement (ft btoc)	Comments
2/19/2012 21:50	211565	19.319	49.244	3.034	144.774		
2/19/2012 22:03					144.794	144.75	
2/19/2012 22:50	215165	19.319	49.224	3.054	144.794		
2/19/2012 23:50	218765	19.316	49.177	3.101	144.841		
2/20/2012 0:02					144.871	144.8	
2/20/2012 0:50	222365	19.322	49.147	3.131	144.871		
2/20/2012 1:50	225965	19.317	49.092	3.186	144.926		
2/20/2012 2:00					144.929	145	
2/20/2012 2:50	229565	19.321	49.089	3.189	144.929		
2/20/2012 3:50	233165	19.321	49.187	3.091	144.831		
2/20/2012 4:25					144.953	145.05	
2/20/2012 4:50	236765	19.317	49.065	3.213	144.953		
2/20/2012 5:50	240365	19.321	49.124	3.154	144.894		
2/20/2012 6:00					144.857	144.95	
2/20/2012 6:50	243965	19.319	49.161	3.117	144.857		
2/20/2012 7:50	247565	19.321	49.218	3.06	144.8		
2/20/2012 8:00					144.785	144.95	
2/20/2012 8:50	251165	19.328	49.233	3.045	144.785		
2/20/2012 9:50	254765	19.319	49.254	3.024	144.764		
2/20/2012 10:00						144.95	
2/20/2012 10:50	258365	19.323	49.289	2.989	144.729		
2/20/2012 11:50	261965	19.321	49.282	2.996	144.736		
2/20/2012 12:50	265565	19.324	49.276	3.002	144.742		
2/20/2012 13:50	269165	19.322	49.343	2.935	144.675		
2/20/2012 14:50	272765	19.326	49.356	2.922	144.662		
2/20/2012 15:50	276365	19.316	49.373	2.905	144.645		
2/20/2012 16:50	279965	19.327	49.366	2.912	144.652		

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Well #3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (FT)	DTW (FT BTOC)	Manual Measurement (ft btoc)	Comments
2/20/2012 17:50	283565	19.326	49.357	2.921	144.661		
2/20/2012 18:50	287165	19.324	49.333	2.945	144.685		
2/20/2012 19:50	290765	19.329	49.298	2.98	144.72		
2/20/2012 20:50	294365	19.329	49.272	3.006	144.746		
2/20/2012 21:50	297965	19.334	49.253	3.025	144.765		
2/20/2012 22:50	301565	19.33	49.261	3.017	144.757		
2/20/2012 23:50	305165	19.328	49.2	3.078	144.818		
2/21/2012 0:50	308765	19.334	49.168	3.11	144.85		
2/21/2012 1:50	312365	19.329	49.151	3.127	144.867		
2/21/2012 2:50	315965	19.321	49.146	3.132	144.872		
2/21/2012 3:50	319565	19.328	49.128	3.15	144.89		
2/21/2012 4:50	323165	19.328	49.131	3.147	144.887		
2/21/2012 5:50	326765	19.329	49.11	3.168	144.908		
2/21/2012 6:50	330365	19.336	49.136	3.142	144.882		
2/21/2012 7:50	333965	19.331	49.127	3.151	144.891		
2/21/2012 8:50	337565	19.328	49.189	3.089	144.829		
2/21/2012 9:50	341165	19.338	49.373	2.905	144.645		
2/21/2012 10:50	344765	19.336	49.434	2.844	144.584		
2/21/2012 11:50	348365	19.332	49.46	2.818	144.558		
2/21/2012 12:50	351965	19.327	49.508	2.77	144.51		
2/21/2012 13:50	355565	19.34	49.531	2.747	144.487		
2/21/2012 14:50	359165	19.333	49.542	2.736	144.476		
2/21/2012 15:50	362765	19.337	49.554	2.724	144.464		
2/21/2012 16:50	366365	19.332	49.549	2.729	144.469		
2/21/2012 17:50	369965	19.339	49.537	2.741	144.481		
2/21/2012 18:50	373565	19.336	49.456	2.822	144.562		
2/21/2012 19:50	377165	19.275	59.879	-7.601	134.139		

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Well #3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (FT)	DTW (FT BTOC)	Manual Measurement (ft btoc)	Comments
2/21/2012 20:50	380765	19.268	60.488	-8.21	133.53		
2/21/2012 21:50	384365	19.262	60.833	-8.555	133.185		
2/21/2012 22:50	387965	19.244	61.055	-8.777	132.963		
2/21/2012 23:50	391565	19.226	61.243	-8.965	132.775		
2/22/2012 0:50	395165	19.204	61.374	-9.096	132.644		
2/22/2012 1:50	398765	19.198	61.49	-9.212	132.528		
2/22/2012 2:50	402365	19.191	61.604	-9.326	132.414		
2/22/2012 3:50	405965	19.198	61.7	-9.422	132.318		
2/22/2012 4:50	409565	19.186	61.755	-9.477	132.263		
2/22/2012 5:50	413165	19.186	61.817	-9.539	132.201		
2/22/2012 6:50	416765	19.194	61.876	-9.598	132.142		
2/22/2012 7:50	420365	19.185	61.946	-9.668	132.072		
2/22/2012 8:50	423965	19.187	61.997	-9.719	132.021		
2/22/2012 9:50	427565	19.198	62.043	-9.765	131.975		
2/22/2012 10:50	431165	19.191	62.088	-9.81	131.93		
2/22/2012 11:50	434765	19.197	62.135	-9.857	131.883		
2/22/2012 12:50	438365	19.183	62.178	-9.9	131.84		
2/22/2012 13:50	441965	19.178	61.974	-9.696	132.044		
2/22/2012 14:50	445565	19.177	62.008	-9.73	132.01		
2/22/2012 15:50	449165	19.224	62.031	-9.753	131.987		
2/22/2012 16:50	452765	19.212	62.047	-9.769	131.971		
2/22/2012 17:50	456365	19.197	62.081	-9.803	131.937		
2/22/2012 18:50	459965	19.172	62.096	-9.818	131.922		
2/22/2012 19:50	463565	19.188	62.125	-9.847	131.893		
2/22/2012 20:50	467165	19.203	62.152	-9.874	131.866		
2/22/2012 21:50	470765	19.171	62.146	-9.868	131.872		
2/22/2012 22:50	474365	19.169	62.159	-9.881	131.859		

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Well #3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (FT)	DTW (FT BTOC)	Manual Measurement (ft btoc)	Comments
2/22/2012 23:50	477965	19.163	62.196	-9.918	131.822		
2/23/2012 0:50	481565	19.168	62.196	-9.918	131.822		
2/23/2012 1:50	485165	19.176	62.229	-9.951	131.789		
2/23/2012 2:50	488765	19.169	62.223	-9.945	131.795		
2/23/2012 3:50	492365	19.162	62.27	-9.992	131.748		
2/23/2012 4:50	495965	19.16	62.262	-9.984	131.756		
2/23/2012 5:50	499565	19.16	62.289	-10.011	131.729		
2/23/2012 6:50	503165	19.159	62.275	-9.997	131.743		
2/23/2012 7:50	506765	19.157	62.279	-10.001	131.739		
2/23/2012 8:50	510365	19.159	62.293	-10.015	131.725		
2/23/2012 9:50	513965	19.158	62.302	-10.024	131.716		
2/23/2012 10:50	517565	19.156	62.304	-10.026	131.714		
2/23/2012 11:50	521165	19.155	62.45	-10.172	131.568		
2/23/2012 12:50	524765	19.154	62.464	-10.186	131.554		
2/23/2012 13:50	528365	19.152	62.481	-10.203	131.537		
2/23/2012 14:50	531965	19.154	62.485	-10.207	131.533		
2/23/2012 15:50	535565	19.149	62.494	-10.216	131.524		
2/23/2012 16:50	539165	19.152	62.512	-10.234	131.506		
2/23/2012 17:50	542765	19.15	62.492	-10.214	131.526		
2/23/2012 18:50	546365	19.149	62.503	-10.225	131.515		
2/23/2012 19:50	549965	19.151	62.507	-10.229	131.511		
2/23/2012 20:50	553565	19.155	62.501	-10.223	131.517		
2/23/2012 21:50	557165	19.15	62.507	-10.229	131.511		
2/23/2012 22:50	560765	19.154	62.502	-10.224	131.516		
2/23/2012 23:50	564365	19.152	62.523	-10.245	131.495		
2/24/2012 0:50	567965	19.156	62.525	-10.247	131.493		
2/24/2012 1:50	571565	19.157	62.526	-10.248	131.492		

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Well #3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (FT)	DTW (FT BTOC)	Manual Measurement (ft btoc)	Comments
2/24/2012 2:50	575165	19.159	62.535	-10.257	131.483		
2/24/2012 3:50	578765	19.155	62.539	-10.261	131.479		
2/24/2012 4:50	582365	19.157	62.555	-10.277	131.463		
2/24/2012 5:50	585965	19.156	62.544	-10.266	131.474		
2/24/2012 6:50	589565	19.156	62.549	-10.271	131.469		
2/24/2012 7:50	593165	19.141	62.555	-10.277	131.463		
2/24/2012 8:50	596765	19.134	62.555	-10.277	131.463		
2/24/2012 9:50	600365	19.135	62.55	-10.272	131.468		
2/24/2012 10:50	603965	19.135	62.571	-10.293	131.447		
2/24/2012 11:50	607565	19.138	62.587	-10.309	131.431		
2/24/2012 12:50	611165	19.139	62.591	-10.313	131.427		
2/24/2012 13:50	614765	19.142	62.596	-10.318	131.422		
2/24/2012 14:50	618365	19.141	62.611	-10.333	131.407		
2/24/2012 15:50	621965	19.145	62.616	-10.338	131.402		
2/24/2012 16:50	625565	19.139	62.627	-10.349	131.391		
2/24/2012 17:50	629165	19.14	62.634	-10.356	131.384		
2/24/2012 18:50	632765	19.142	62.622	-10.344	131.396		
2/24/2012 19:50	636365	19.139	62.643	-10.365	131.375		
2/24/2012 20:50	639965	19.143	62.634	-10.356	131.384		
2/24/2012 21:50	643565	19.136	62.628	-10.35	131.39		
2/24/2012 22:50	647165	19.138	62.638	-10.36	131.38		
2/24/2012 23:50	650765	19.138	62.645	-10.367	131.373		
2/25/2012 0:50	654365	19.139	62.642	-10.364	131.376		
2/25/2012 1:50	657965	19.141	62.652	-10.374	131.366		
2/25/2012 2:50	661565	19.142	62.659	-10.381	131.359		
2/25/2012 3:50	665165	19.143	62.671	-10.393	131.347		
2/25/2012 4:50	668765	19.144	62.679	-10.401	131.339		

Table D-1

Well #3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (FT)	DTW (FT BTOC)	Manual Measurement (ft btoc)	Comments
2/25/2012 5:50	672365	19.139	62.664	-10.386	131.354		
2/25/2012 6:50	675965	19.143	62.662	-10.384	131.356		
2/25/2012 7:50	679565	19.136	62.664	-10.386	131.354		
2/25/2012 8:50	683165	19.132	62.663	-10.385	131.355		
2/25/2012 9:50	686765	19.132	62.672	-10.394	131.346		

Table D-2

Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/13/2012 15:00						108.01	Probe Launch
2/13/2012 16:00	-308543.001	19.636	252.512	0	108.01		
2/13/2012 17:00	-304943.001	19.635	252.512	0	108.01		
2/13/2012 18:00	-301343.001	19.639	252.497	0.015	108.025		
2/13/2012 19:00	-297743.001	19.634	252.567	-0.055	107.955		
2/13/2012 20:00	-294143.001	19.629	252.526	-0.014	107.996		
2/13/2012 21:00	-290543.001	19.633	252.551	-0.039	107.971		
2/13/2012 22:00	-286943.001	19.633	252.567	-0.055	107.955		
2/13/2012 23:00	-283343.001	19.634	252.509	0.003	108.013		
2/14/2012 0:00	-279743.001	19.634	252.557	-0.045	107.965		
2/14/2012 1:00	-276143.001	19.635	252.54	-0.028	107.982		
2/14/2012 2:00	-272543.001	19.634	252.541	-0.029	107.981		
2/14/2012 3:00	-268943.001	19.636	252.541	-0.029	107.981		
2/14/2012 4:00	-265343.001	19.633	252.5	0.012	108.022		
2/14/2012 5:00	-261743.001	19.632	252.51	0.002	108.012		
2/14/2012 6:00	-258143.001	19.632	252.545	-0.033	107.977		
2/14/2012 7:00	-254543.001	19.632	252.545	-0.033	107.977		
2/14/2012 8:00	-250943.001	19.635	252.472	0.04	108.05		
2/14/2012 9:00	-247343.001	19.63	252.542	-0.03	107.98		
2/14/2012 10:00	-243743.001	19.633	252.516	-0.004	108.006		
2/14/2012 11:00	-240143.001	19.634	252.548	-0.036	107.974		
2/14/2012 12:00	-236543.001	19.633	252.526	-0.014	107.996		
2/14/2012 13:00	-232943.001	19.634	252.497	0.015	108.025		
2/14/2012 14:00	-229343.001	19.634	252.496	0.016	108.026		
2/14/2012 15:00	-225743.001	19.64	252.554	-0.042	107.968		
2/14/2012 16:00	-222143.001	19.635	252.525	-0.013	107.997		
2/14/2012 17:00	-218543.001	19.633	252.509	0.003	108.013		
2/14/2012 18:00	-214943.001	19.634	252.554	-0.042	107.968		
2/14/2012 19:00	-211343.001	19.631	252.544	-0.032	107.978		

Table D-2

Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/14/2012 20:00	-207743.001	19.632	252.516	-0.004	108.006		
2/14/2012 21:00	-204143.001	19.634	252.55	-0.038	107.972		
2/14/2012 22:00	-200543.001	19.633	252.544	-0.032	107.978		
2/14/2012 23:00	-196943.001	19.635	252.569	-0.057	107.953		
2/15/2012 0:00	-193343.001	19.635	252.528	-0.016	107.994		
2/15/2012 1:00	-189743.001	19.633	252.541	-0.029	107.981		
2/15/2012 2:00	-186143.001	19.633	252.528	-0.016	107.994		
2/15/2012 3:00	-182543.001	19.635	252.529	-0.017	107.993		
2/15/2012 4:00	-178943.001	19.638	252.525	-0.013	107.997		
2/15/2012 5:00	-175343.001	19.635	252.559	-0.047	107.963		
2/15/2012 6:00	-171743.001	19.633	252.578	-0.066	107.944		
2/15/2012 7:00	-168143.001	19.634	252.576	-0.064	107.946		
2/15/2012 8:00	-164543.001	19.636	252.567	-0.055	107.955		
2/15/2012 9:00	-160943.001	19.637	252.528	-0.016	107.994		
2/15/2012 10:00	-157343.001	19.636	252.523	-0.011	107.999		
2/15/2012 11:00	-153743.001	19.635	252.554	-0.042	107.968		
2/15/2012 12:00	-150143.001	19.634	252.55	-0.038	107.972		
2/15/2012 13:00	-146543.001	19.637	252.534	-0.022	107.988		
2/15/2012 14:00	-142943.001	19.637	252.503	0.009	108.019		
2/15/2012 15:00	-139343.001	19.634	252.544	-0.032	107.978		
2/15/2012 16:00	-135743.001	19.636	252.561	-0.049	107.961		
2/15/2012 17:00	-132143.001	19.635	252.537	-0.025	107.985		
2/15/2012 18:00	-128543.001	19.637	252.553	-0.041	107.969		
2/15/2012 19:00	-124943.001	19.637	252.496	0.016	108.026		
2/15/2012 20:00	-121343.001	19.634	252.52	-0.008	108.002		
2/15/2012 21:00	-117743.001	19.636	252.503	0.009	108.019		
2/15/2012 22:00	-114143.001	19.637	252.512	0	108.01		
2/15/2012 23:00	-110543.001	19.635	252.497	0.015	108.025		
2/16/2012 0:00	-106943.001	19.635	252.496	0.016	108.026		

Table D-2

Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/16/2012 1:00	-103343.001	19.638	252.52	-0.008	108.002		
2/16/2012 2:00	-99743.001	19.635	252.494	0.018	108.028		
2/16/2012 3:00	-96143.001	19.637	252.566	-0.054	107.956		
2/16/2012 4:00	-92543.001	19.633	252.498	0.014	108.024		
2/16/2012 5:00	-88943.001	19.637	252.526	-0.014	107.996		
2/16/2012 6:00	-85343.001	19.635	252.506	0.006	108.016		
2/16/2012 7:00	-81743.001	19.636	252.518	-0.006	108.004		
2/16/2012 8:00	-78143.001	19.636	252.506	0.006	108.016		
							Pump Installed
2/16/2012 13:23	-77820.001	19.727	209.406	6.503	114.50		Initial level after pump installed
2/16/2012 13:53	-76020	19.794	214.895	1.014	109.01		
2/16/2012 14:23	-74220	19.722	215.909	0	108.00		
2/16/2012 14:53	-72420	19.703	216.091	-0.182	107.82		
2/16/2012 15:23	-70620	19.665	216.086	-0.177	107.82		
2/16/2012 15:53	-68820	19.667	216.138	-0.229	107.77		
2/16/2012 16:23	-67020	19.656	216.197	-0.288	107.71		
2/16/2012 16:53	-65220	19.638	216.188	-0.279	107.72		
2/16/2012 17:23	-63420	19.64	216.222	-0.313	107.69		
2/16/2012 17:53	-61620	19.637	216.19	-0.281	107.72		
2/16/2012 18:23	-59820	19.631	216.254	-0.345	107.66		
2/16/2012 18:53	-58020	19.624	216.258	-0.349	107.65		
2/16/2012 19:23	-56220	19.626	216.27	-0.361	107.64		
2/16/2012 19:53	-54420	19.621	216.294	-0.385	107.62		
2/16/2012 20:23	-52620	19.61	216.176	-0.267	107.73		
2/16/2012 20:53	-50820	19.618	216.298	-0.389	107.61		
2/16/2012 21:23	-49020	19.608	216.291	-0.382	107.62		
2/16/2012 21:53	-47220	19.607	216.27	-0.361	107.64		
2/16/2012 22:23	-45420	19.609	216.245	-0.336	107.66		
2/16/2012 22:53	-43620	19.609	216.281	-0.372	107.63		

Table D-2

Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/16/2012 23:23	-41820	19.605	216.279	-0.37	107.63		
2/16/2012 23:53	-40020	19.604	216.263	-0.354	107.65		
2/17/2012 0:23	-38220	19.606	216.31	-0.401	107.60		
2/17/2012 0:53	-36420	19.608	216.319	-0.41	107.59		
2/17/2012 1:23	-34620	19.608	216.313	-0.404	107.60		
2/17/2012 1:53	-32820	19.606	216.286	-0.377	107.62		
2/17/2012 2:23	-31020	19.602	216.323	-0.414	107.59		
2/17/2012 2:53	-29220	19.597	216.282	-0.373	107.63		
2/17/2012 3:23	-27420	19.596	216.342	-0.433	107.57		
2/17/2012 3:53	-25620	19.594	216.261	-0.352	107.65		
2/17/2012 4:23	-23820	19.595	216.332	-0.423	107.58		
2/17/2012 4:53	-22020	19.597	216.297	-0.388	107.61		
2/17/2012 5:23	-20220	19.597	216.3	-0.391	107.61		
2/17/2012 5:53	-18420	19.597	216.329	-0.42	107.58		
2/17/2012 6:23	-16620	19.592	216.255	-0.346	107.65		
2/17/2012 6:53	-14820	19.59	216.323	-0.414	107.59		
2/17/2012 7:23	-13020	19.593	216.355	-0.446	107.55		
2/17/2012 7:53	-11220	19.591	216.39	-0.481	107.52		
2/17/2012 8:23	-9420	19.593	216.408	-0.499	107.50		
2/17/2012 8:53	-7620	19.586	216.294	-0.385	107.62		
2/17/2012 9:23	-5820	19.592	216.368	-0.459	107.54		
2/17/2012 9:53	-4020	19.591	216.378	-0.469	107.53		
2/17/2012 10:23	-2220	19.591	216.462	-0.553	107.45	108	
2/17/2012 11:00	0	19.652	216.584	0.00	108.00	108.00	start of test
2/17/2012 11:01	60	19.653	215.104	1.48	109.48		
2/17/2012 11:02	120	19.652	213.909	2.68	110.68		
2/17/2012 11:03	180	19.663	212.85	3.73	111.73		
2/17/2012 11:04	240	19.67	211.831	4.75	112.75		

Table D-2

Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 11:05	300	19.676	210.858	5.73	113.73		
2/17/2012 11:06	360	19.677	210.015	6.57	114.57		
2/17/2012 11:07	420	19.677	209.055	7.53	115.53		
2/17/2012 11:08	480	19.689	207.859	8.72	116.73		
2/17/2012 11:09	540	19.695	206.732	9.85	117.85		
2/17/2012 11:10	600	19.703	205.666	10.92	118.92		
2/17/2012 11:15	900.001	19.65	202.158	14.43	122.43		
2/17/2012 11:20	1200.001	19.69	199.51	17.07	125.07		
2/17/2012 11:25	1500.001	19.688	197.44	19.14	127.14		
2/17/2012 11:30	1800.001	19.664	195.841	20.74	128.74		
2/17/2012 11:35	2100.001	19.683	196.496	20.09	128.09		
2/17/2012 11:40	2400.001	19.703	193.589	23.00	131.00		
2/17/2012 11:45	2700.001	19.648	190.449	26.14	134.14		
2/17/2012 11:50	3000.001	19.574	187.825	28.76	136.76		
2/17/2012 11:55	3300.001	19.607	186.651	29.93	137.93		
2/17/2012 12:00	3600.001	19.573	185.863	30.72	138.72		
2/17/2012 12:05	3900.001	19.567	184.624	31.96	139.96		
2/17/2012 12:10	4200.001	19.574	182.737	33.85	141.85		
2/17/2012 12:15	4500.001	19.586	181.187	35.40	143.40		
2/17/2012 12:20	4800.001	19.574	179.744	36.84	144.84		
2/17/2012 12:25	5100.001	19.559	178.616	37.97	145.97		
2/17/2012 12:30	5400.001	19.567	177.382	39.20	147.20		
2/17/2012 12:35	5700.001	19.58	176.21	40.37	148.37		
2/17/2012 12:40	6000.001	19.592	175.156	41.43	149.43		
2/17/2012 12:45	6300.001	19.553	174.183	42.40	150.40		
2/17/2012 12:50	6600.001	19.532	173.323	43.26	151.26		
2/17/2012 12:55	6900.001	19.535	172.605	43.98	151.98		
2/17/2012 13:00	7200.001	19.533	171.804	44.78	152.78		
2/17/2012 13:05	7500.001	19.533	171.212	45.37	153.37		

Table D-2

Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 13:10	7800.001	19.528	170.62	45.96	153.96		
2/17/2012 13:15	8100.001	19.567	170.028	46.56	154.56		
2/17/2012 13:20	8400.001	19.538	169.563	47.02	155.02		
2/17/2012 13:25	8700.001	19.553	169.021	47.56	155.56		
2/17/2012 13:30	9000.001	19.542	168.559	48.03	156.03		
2/17/2012 13:35	9300.001	19.618	168.277	48.31	156.31		
2/17/2012 13:40	9600.001	19.562	167.866	48.72	156.72		
2/17/2012 13:45	9900.001	19.57	167.559	49.03	157.03		
2/17/2012 13:50	10200.001	19.594	167.269	49.32	157.32		
2/17/2012 13:55	10500.001	19.578	167.021	49.56	157.56		
2/17/2012 14:00	10800.001	19.603	166.726	49.86	157.86		
2/17/2012 14:05	11100.001	19.579	166.489	50.10	158.10		
2/17/2012 14:10	11400	19.559	166.233	50.35	158.35		
2/17/2012 14:15	11700.001	19.558	165.98	50.60	158.60		
2/17/2012 14:20	12000.001	19.553	165.741	50.84	158.84		
2/17/2012 14:35	12900.001	19.561	165.291	51.29	159.29		
2/17/2012 14:50	13800.001	19.561	164.176	52.41	160.41		
2/17/2012 15:05	14700.001	19.548	162.404	54.18	162.18	162.8	
2/17/2012 15:20	15600.001	19.585	161.109	55.48	163.48		
2/17/2012 15:35	16500.001	19.567	159.758	56.83	164.83		
2/17/2012 15:50	17400.001	19.597	158.71	57.87	165.87		
2/17/2012 15:52						169.06	
2/17/2012 16:05	18300.001	19.645	158.02	58.56	166.56		
2/17/2012 16:20	19200.001	19.604	157.605	58.98	166.98		
2/17/2012 16:35	20100.001	19.56	157.301	59.28	167.28		
2/17/2012 16:50	21000.001	19.617	156.564	60.02	168.02		
2/17/2012 17:05	21900.001	19.552	155.285	61.30	169.30		
2/17/2012 17:20	22800.001	19.617	154.385	62.20	170.20		
2/17/2012 17:35	23700.001	19.601	153.646	62.94	170.94		

Table D-2

Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 17:50	24600.001	19.583	152.998	63.59	171.59		
2/17/2012 18:05	25500.001	19.575	152.482	64.10	172.10		
2/17/2012 18:05						173.6	
2/17/2012 18:20	26400.001	19.557	151.944	64.64	172.64		
2/17/2012 18:35	27300.001	19.59	151.617	64.97	172.97		
2/17/2012 18:50	28200.001	19.61	151.28	65.30	173.30		
2/17/2012 19:05	29100.001	19.57	150.995	65.59	173.59		
2/17/2012 19:09						174.8	
2/17/2012 19:20	30000.001	19.546	150.902	65.68	173.68		
2/17/2012 19:35	30900.001	19.548	150.895	65.69	173.69		
2/17/2012 19:50	31800.001	19.555	150.842	65.74	173.74		
2/17/2012 20:05	32700.001	19.635	150.706	65.88	173.88		
2/17/2012 20:20	33600.001	19.574	150.618	65.97	173.97		
2/17/2012 20:35	34500.001	19.66	150.548	66.04	174.04		
2/17/2012 20:50	35400.001	19.586	150.551	66.03	174.03		
2/17/2012 21:02						178.22	
2/17/2012 21:20	37200.001	19.556	150.401	66.18	174.18		
2/17/2012 21:50	39000.001	19.555	150.46	66.12	174.12		
2/17/2012 22:20	40800.001	19.56	150.685	65.90	173.90		
2/17/2012 22:50	42600.001	19.591	150.776	65.81	173.81		
2/17/2012 23:03						174.7	
2/17/2012 23:20	44400.001	19.588	150.776	65.81	173.81		
2/17/2012 23:50	46200.001	19.62	150.729	65.86	173.86		
2/18/2012 0:20	48000.001	19.628	150.697	65.89	173.89		
2/18/2012 0:50	49800.001	19.619	150.587	66.00	174.00		
2/18/2012 1:00						174.85	
2/18/2012 1:20	51600.001	19.577	149.784	66.80	174.80		
2/18/2012 1:50	53400.001	19.589	149.059	67.53	175.53		
2/18/2012 2:20	55200.001	19.572	148.777	67.81	175.81		

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Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 2:50	57000.001	19.606	148.685	67.90	175.90		
2/18/2012 3:00						175.9	
2/18/2012 3:50	60600.001	19.579	148.241	68.34	176.34		
2/18/2012 4:50	64200.001	19.657	148.303	68.28	176.28		
2/18/2012 5:00						177.3	
2/18/2012 5:50	67800.001	19.657	148.523	68.06	176.06		
2/18/2012 6:50	71400.001	19.58	148.615	67.97	175.97		
2/18/2012 7:00						177.1	
2/18/2012 7:50	75000.001	19.582	148.743	67.84	175.84		
2/18/2012 8:50	78600.001	19.56	148.907	67.68	175.68		
2/18/2012 9:03						176.6	
2/18/2012 9:50	82200.001	19.666	149.051	67.53	175.53		
2/18/2012 10:50	85800.001	19.58	149.24	67.34	175.34		
2/18/2012 11:00						176.4	
2/18/2012 11:50	89400.001	19.647	149.428	67.16	175.16		
2/18/2012 12:50	93000.001	19.591	149.644	66.94	174.94		
2/18/2012 13:00						176.7	
2/18/2012 13:50	96600.001	19.624	147.458	69.13	177.13		
2/18/2012 14:50	100200.001	19.687	145.287	71.30	179.30		
2/18/2012 15:01						180.7	
2/18/2012 15:50	103800.001	19.582	144.855	71.73	179.73		
2/18/2012 16:50	107400.001	19.69	144.747	71.84	179.84		
2/18/2012 17:00						180.7	
2/18/2012 17:50	111000.001	19.578	144.925	71.66	179.66		
2/18/2012 18:50	114600.001	19.559	145.022	71.56	179.56		
2/18/2012 19:30						179.6	
2/18/2012 19:50	118200.001	19.616	144.924	71.66	179.66		
2/18/2012 20:50	121800.001	19.574	144.77	71.81	179.81		
2/18/2012 21:02						180.7	

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Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 21:50	125400.001	19.6	144.711	71.87	179.87		
2/18/2012 22:50	129000.001	19.572	144.631	71.95	179.95		
2/18/2012 23:00						181.1	
2/18/2012 23:50	132600.001	19.61	144.541	72.04	180.04		
2/19/2012 0:50	136200.001	19.637	144.512	72.07	180.07		
2/19/2012 0:58						181.1	
2/19/2012 1:50	139800.001	19.628	144.407	72.18	180.18		
2/19/2012 2:50	143400.001	19.646	144.421	72.16	180.16		
2/19/2012 3:00						181.55	
2/19/2012 3:50	147000.001	19.581	144.223	72.36	180.36		
2/19/2012 4:50	150600.001	19.59	144.159	72.43	180.43		
2/19/2012 5:00						181.9	
2/19/2012 5:50	154200.001	19.605	144.019	72.57	180.57		
2/19/2012 6:50	157800.001	19.707	143.954	72.63	180.63		
2/19/2012 7:00						181.6	
2/19/2012 7:50	161400.001	19.694	143.951	72.63	180.63		
2/19/2012 8:50	165000.001	19.598	144.037	72.55	180.55		
2/19/2012 9:00						181.6	
2/19/2012 9:50	168600.001	19.66	144.166	72.42	180.42		
2/19/2012 10:50	172200.001	19.664	144.224	72.36	180.36		
2/19/2012 11:00						181.6	
2/19/2012 11:50	175800.001	19.592	144.292	72.29	180.29		
2/19/2012 12:50	179400.001	19.625	144.229	72.36	180.36		
2/19/2012 13:00						184.6	
2/19/2012 13:50	183000.001	19.651	144.189	72.40	180.40		
2/19/2012 14:50	186600.001	19.583	144.115	72.47	180.47		
2/19/2012 15:00						185.4	
2/19/2012 15:50	190200.001	19.6	144.072	72.51	180.51		
2/19/2012 16:50	193800.001	19.641	144.036	72.55	180.55		

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Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 17:00						185	
2/19/2012 17:50	197400.001	19.699	143.944	72.64	180.64		
2/19/2012 18:50	201000.001	19.58	143.885	72.70	180.70		
2/19/2012 19:00						182	
2/19/2012 19:50	204600.001	19.693	143.746	72.84	180.84		
2/19/2012 20:50	208200.001	19.618	143.614	72.97	180.97		
2/19/2012 21:28						185.15	
2/19/2012 21:50	211800.001	19.636	143.566	73.02	181.02		
2/19/2012 22:50	215400.001	19.596	143.352	73.23	181.23		
2/19/2012 23:00						186.1	
2/19/2012 23:50	219000.001	19.62	143.136	73.45	181.45		
2/20/2012 0:50	222600.001	19.671	143.035	73.55	181.55		
2/20/2012 1:00						185.9	
2/20/2012 1:50	226200.001	19.654	142.788	73.80	181.80		
2/20/2012 2:50	229800.001	19.667	142.736	73.85	181.85		
2/20/2012 3:00						186.25	
2/20/2012 3:50	233400.001	19.596	142.609	73.98	181.98		
2/20/2012 4:50	237000.001	19.707	142.545	74.04	182.04		
2/20/2012 5:02						186.2	
2/20/2012 5:50	240600.001	19.668	142.631	73.95	181.95		
2/20/2012 6:50	244200.001	19.683	142.612	73.97	181.97		
2/20/2012 7:00						186.1	
2/20/2012 7:50	247800.001	19.626	142.563	74.02	182.02		
2/20/2012 8:50	251400.001	19.619	142.688	73.90	181.90		
2/20/2012 9:00						186.1	
2/20/2012 9:50	255000.001	19.62	142.83	73.75	181.75		
2/20/2012 10:50	258600.001	19.597	143.019	73.57	181.57		
2/20/2012 11:50	262200.001	19.634	143.207	73.38	181.38		
2/20/2012 12:50	265800.001	19.591	143.444	73.14	181.14		

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Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 13:50		19.632	143.522	73.06	181.06		
2/20/2012 14:50		19.638	143.655	72.93	180.93		
2/20/2012 15:50		19.599	143.672	72.91	180.91		
2/20/2012 16:50		19.7	143.956	72.63	180.63		
2/20/2012 17:50		19.613	144.228	72.36	180.36		
2/20/2012 18:50		19.6	144.334	72.25	180.25		
2/20/2012 19:50		19.659	144.32	72.26	180.26		
2/20/2012 20:50		19.595	144.285	72.30	180.30		
2/20/2012 21:50		19.581	144.191	72.39	180.39		
2/20/2012 22:50		19.667	143.869	72.72	180.72		
2/20/2012 23:50		19.65	143.662	72.92	180.92		
2/21/2012 0:50		19.686	143.419	73.17	181.17		
2/21/2012 1:50		19.66	143.233	73.35	181.35		
2/21/2012 2:50		19.589	143.09	73.49	181.49		
2/21/2012 3:50		19.711	143.039	73.55	181.55		
2/21/2012 4:50		19.701	142.988	73.60	181.60		
2/21/2012 5:50		19.619	142.925	73.66	181.66		
2/21/2012 6:50		19.667	142.884	73.70	181.70		
2/21/2012 7:50		19.632	142.879	73.71	181.71		
2/21/2012 8:50		19.607	142.95	73.63	181.63		
2/21/2012 9:50		19.604	143.168	73.42	181.42		
2/21/2012 10:50		19.595	143.276	73.31	181.31		
2/21/2012 11:50		19.696	143.434	73.15	181.15		
2/21/2012 12:50		19.65	143.624	72.96	180.96		
2/21/2012 13:50		19.642	143.692	72.89	180.89		
2/21/2012 14:50		19.593	143.802	72.78	180.78		
2/21/2012 15:50		19.612	143.846	72.74	180.74		
2/21/2012 16:50		19.595	143.964	72.62	180.62		
2/21/2012 17:50		19.637	143.786	72.80	180.80		

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Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 18:50		19.621	143.339	73.25	181.25		
2/21/2012 19:50		19.63	143.169	73.42	181.42		
2/21/2012 20:50		19.602	143.117	73.47	181.47		
2/21/2012 21:50		19.978	164.621	51.96	159.96		
2/21/2012 22:50		19.825	201.745	14.84	122.84		
2/21/2012 23:50		19.778	212.149	4.44	112.44		
2/22/2012 0:50		19.765	213.924	2.66	110.66		
2/22/2012 1:50		19.75	214.591	1.99	109.99		
2/22/2012 2:50		19.734	215.015	1.57	109.57		
2/22/2012 3:50		19.713	215.301	1.28	109.28		
2/22/2012 4:50		19.719	215.481	1.10	109.10		
2/22/2012 5:50		19.712	215.632	0.95	108.95		
2/22/2012 6:50		19.698	215.764	0.82	108.82		
2/22/2012 7:50		19.681	215.902	0.68	108.68		
2/22/2012 8:50		19.671	216.022	0.56	108.56		
2/22/2012 9:50		19.674	216.001	0.58	108.58		
2/22/2012 10:50		19.674	216.16	0.42	108.42		
2/22/2012 11:50		19.654	216.223	0.36	108.36		
2/22/2012 12:50		19.662	216.275	0.31	108.31		
2/22/2012 13:50		19.658	216.263	0.32	108.32		
2/22/2012 14:50		19.662	216.428	0.16	108.16		
2/22/2012 15:50		19.658	216.355	0.23	108.23		
2/22/2012 16:50		19.646	216.439	0.15	108.15		
2/22/2012 17:50		19.644	216.437	0.15	108.15		
2/22/2012 18:50		19.651	216.452	0.13	108.13		
2/22/2012 19:50		19.645	216.49	0.09	108.09		
2/22/2012 20:50		19.633	216.534	0.05	108.05		
2/22/2012 21:50		19.634	216.547	0.04	108.04		
2/22/2012 22:50		19.638	216.587	0.00	108.00		

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Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 23:50		19.639	216.629	-0.04	107.96		
2/23/2012 0:50		19.635	216.629	-0.04	107.96		
2/23/2012 1:50		19.63	216.632	-0.05	107.95		
2/23/2012 2:50		19.635	216.66	-0.08	107.92		
2/23/2012 3:50		19.636	216.669	-0.09	107.92		
2/23/2012 4:50		19.634	216.713	-0.13	107.87		
2/23/2012 5:50		19.627	216.717	-0.13	107.87		
2/23/2012 6:50		19.628	216.725	-0.14	107.86		
2/23/2012 7:50		19.627	216.729	-0.15	107.86		
2/23/2012 8:50		19.628	216.766	-0.18	107.82		
2/23/2012 9:50		19.608	186.103	30.48	138.48	pump turned on to 45 GPM @ 8:55	
2/23/2012 9:50		19.616	185.817	30.77	138.77		
2/23/2012 9:51		19.602	185.531	31.05	139.05		
2/23/2012 9:52		19.592	185.302	31.28	139.28		
2/23/2012 9:53		19.594	184.943	31.64	139.64		
2/23/2012 9:54		19.598	184.555	32.03	140.03		
2/23/2012 9:55		19.611	184.196	32.39	140.39		
2/23/2012 9:56		19.636	183.794	32.79	140.79		
2/23/2012 9:57		19.626	183.47	33.11	141.11		
2/23/2012 9:58		19.621	183.068	33.52	141.52		
2/23/2012 9:59		19.606	182.781	33.80	141.80		
2/23/2012 10:04		19.587	181.229	35.36	143.36		
2/23/2012 10:09		19.588	180.32	36.26	144.26		
2/23/2012 10:14		19.574	179.499	37.09	145.09		
2/23/2012 10:19		19.583	178.868	37.72	145.72		
2/23/2012 10:24		19.582	178.125	38.46	146.46		
2/23/2012 10:29		19.569	177.465	39.12	147.12		
2/23/2012 10:34		19.574	176.895	39.69	147.69		
2/23/2012 10:39		19.567	176.355	40.23	148.23		

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Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 10:44		19.564	175.841	40.74	148.74		
2/23/2012 10:49		19.589	175.413	41.17	149.17		
2/23/2012 10:54		19.586	175.011	41.57	149.57		
2/23/2012 10:59		19.592	174.576	42.01	150.01		
2/23/2012 11:04		19.565	174.144	42.44	150.44		
2/23/2012 11:09		19.636	172.587	44.00	152.00		
2/23/2012 11:14		19.633	171.147	45.44	153.44		
2/23/2012 11:19		19.613	169.702	46.88	154.88		
2/23/2012 11:24		19.56	168.513	48.07	156.07		
2/23/2012 11:29		19.542	167.635	48.95	156.95		
2/23/2012 11:34		19.552	166.75	49.83	157.83		
2/23/2012 11:39		19.549	165.99	50.59	158.59		
2/23/2012 11:44		19.648	165.374	51.21	159.21		
2/23/2012 11:49		19.581	164.846	51.74	159.74		
2/23/2012 11:54		19.548	164.262	52.32	160.32		
2/23/2012 11:59		19.552	163.723	52.86	160.86		
2/23/2012 12:04		19.566	163.277	53.31	161.31		
2/23/2012 12:09		19.556	162.945	53.64	161.64		
2/23/2012 12:14		19.545	162.605	53.98	161.98		
2/23/2012 12:19		19.548	162.304	54.28	162.28		
2/23/2012 12:24		19.545	161.999	54.59	162.59		
2/23/2012 12:29		19.548	161.669	54.92	162.92		
2/23/2012 12:34		19.549	160.97	55.61	163.61		
2/23/2012 12:39		19.57	160.193	56.39	164.39		
2/23/2012 12:44		19.571	159.469	57.12	165.12		
2/23/2012 12:49		19.771	162.557	54.03	162.03		
2/23/2012 12:54		19.923	166.949	49.64	157.64	pump turned off	
2/23/2012 12:59		19.829	171.981	44.60	152.60		
2/23/2012 13:04		19.899	176.539	40.05	148.05		

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Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 13:09		19.852	180.697	35.89	143.89		
2/23/2012 13:24		19.823	189.237	27.35	135.35		
2/23/2012 13:39		19.77	199.321	17.26	125.26		
2/23/2012 13:54		19.732	207.509	9.08	117.08		
2/23/2012 14:09		19.727	211.118	5.47	113.47		
2/23/2012 14:24		19.714	212.646	3.94	111.94		
2/23/2012 14:39		19.703	213.67	2.91	110.91		
2/23/2012 14:54		19.693	214.431	2.15	110.15		
2/23/2012 15:09		19.685	214.868	1.72	109.72		
2/23/2012 15:24		19.677	215.101	1.48	109.48		
2/23/2012 15:39		19.675	215.348	1.24	109.24		
2/23/2012 15:54		19.668	215.508	1.08	109.08		
2/23/2012 16:09		19.661	215.636	0.95	108.95		
2/23/2012 16:24		19.664	215.741	0.84	108.84		
2/23/2012 16:39		19.657	215.876	0.71	108.71		
2/23/2012 16:54		19.654	216.035	0.55	108.55		
2/23/2012 17:09		19.649	216.023	0.56	108.56		
2/23/2012 17:24		19.653	216.084	0.50	108.50		
2/23/2012 17:39		19.65	216.159	0.43	108.43		
2/23/2012 17:54		19.648	216.228	0.36	108.36		
2/23/2012 18:09		19.646	216.222	0.36	108.36		
2/23/2012 18:24		19.642	216.283	0.30	108.30		
2/23/2012 18:39		19.645	216.327	0.26	108.26		
2/23/2012 18:54		19.643	216.354	0.23	108.23		
2/23/2012 19:09		19.64	216.392	0.19	108.19		
2/23/2012 19:24		19.641	216.417	0.17	108.17		
2/23/2012 19:39		19.64	216.405	0.18	108.18		
2/23/2012 20:09		19.632	216.446	0.14	108.14		
2/23/2012 20:39		19.633	216.473	0.11	108.11		

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Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 21:09		19.645	216.539	0.05	108.05		
2/23/2012 21:39		19.63	216.569	0.02	108.02		
2/23/2012 22:09		19.626	216.602	-0.02	107.98		
2/23/2012 22:39		19.628	216.616	-0.03	107.97		
2/23/2012 23:09		19.629	216.657	-0.07	107.93		
2/23/2012 23:39		19.63	216.64	-0.06	107.94		
2/24/2012 0:09		19.615	216.713	-0.13	107.87		
2/24/2012 0:39		19.624	216.698	-0.11	107.89		
2/24/2012 1:09		19.631	216.733	-0.15	107.85		
2/24/2012 1:39		19.627	216.72	-0.14	107.86		
2/24/2012 2:39		19.617	216.782	-0.20	107.80		
2/24/2012 3:39		19.619	216.777	-0.19	107.81		
2/24/2012 4:39		19.619	216.811	-0.23	107.77		
2/24/2012 5:39		19.621	216.849	-0.26	107.74		
2/24/2012 6:39		19.621	216.851	-0.27	107.73		
2/24/2012 7:39		19.619	216.865	-0.28	107.72		
2/24/2012 8:39		19.615	216.915	-0.33	107.67		
2/24/2012 9:39		19.617	216.877	-0.29	107.71		
2/24/2012 10:39		19.619	216.914	-0.33	107.67		
2/24/2012 11:39		19.612	216.939	-0.35	107.65		
2/24/2012 12:39		19.611	216.95	-0.37	107.63		
2/24/2012 13:39		19.611	216.987	-0.40	107.60		
2/24/2012 14:39		19.611	216.987	-0.40	107.60		
2/24/2012 15:39		19.619	216.996	-0.41	107.59		
2/24/2012 16:39		19.614	217.016	-0.43	107.57		
2/24/2012 17:39		19.617	217.021	-0.44	107.56		
2/24/2012 18:39		19.61	217.034	-0.45	107.55		
2/24/2012 19:39		19.615	216.988	-0.40	107.60		
2/24/2012 20:39		19.614	216.997	-0.41	107.59		

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Orchard Well Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 21:39		19.611	217.028	-0.44	107.56		
2/24/2012 22:39		19.607	217.057	-0.47	107.53		
2/24/2012 23:39		19.608	217.06	-0.48	107.52		
2/25/2012 0:39		19.614	217.043	-0.46	107.54		
2/25/2012 1:39		19.605	217.063	-0.48	107.52		
2/25/2012 2:39		19.608	217.06	-0.48	107.52		
2/25/2012 3:39		19.608	217.087	-0.50	107.50		
2/25/2012 4:39		19.609	217.07	-0.49	107.51		
2/25/2012 5:39		19.61	217.069	-0.48	107.52		
2/25/2012 6:39		19.603	217.091	-0.51	107.49		

Table D-3

MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/13/2012 15:00						108.25	Initial Level
2/13/2012 15:00	-331200	19.056	91.745		0	108.25	Transducer Launch
2/13/2012 16:00	-327600	19.629	91.761	-0.016		108.234	
2/13/2012 17:00	-324000	19.627	91.731	0.014		108.264	
2/13/2012 18:00	-320400	19.627	91.746	-0.001		108.249	
2/13/2012 19:00	-316800	19.632	91.755	-0.01		108.24	
2/13/2012 20:00	-313200	19.635	91.78	-0.035		108.215	
2/13/2012 21:00	-309600	19.638	91.757	-0.012		108.238	
2/13/2012 22:00	-306000	19.634	91.749	-0.004		108.246	
2/13/2012 23:00	-302400	19.637	91.75	-0.005		108.245	
2/14/2012 0:00	-298800	19.638	91.757	-0.012		108.238	
2/14/2012 1:00	-295200	19.64	91.774	-0.029		108.221	
2/14/2012 2:00	-291600	19.639	91.783	-0.038		108.212	
2/14/2012 3:00	-288000	19.64	91.764	-0.019		108.231	
2/14/2012 4:00	-284400	19.639	91.764	-0.019		108.231	
2/14/2012 5:00	-280800	19.641	91.758	-0.013		108.237	
2/14/2012 6:00	-277200	19.64	91.758	-0.013		108.237	
2/14/2012 7:00	-273600	19.64	91.75	-0.005		108.245	
2/14/2012 8:00	-270000	19.639	91.745	0		108.25	
2/14/2012 9:00	-266400	19.64	91.747	-0.002		108.248	
2/14/2012 10:00	-262800	19.645	91.757	-0.012		108.238	
2/14/2012 11:00	-259200	19.641	91.755	-0.01		108.24	
2/14/2012 12:00	-255600	19.64	91.759	-0.014		108.236	
2/14/2012 13:00	-252000	19.643	91.752	-0.007		108.243	
2/14/2012 14:00	-248400	19.642	91.759	-0.014		108.236	
2/14/2012 15:00	-244800	19.644	91.755	-0.01		108.24	
2/14/2012 16:00	-241200	19.642	91.774	-0.029		108.221	
2/14/2012 17:00	-237600	19.643	91.75	-0.005		108.245	

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BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/14/2012 18:00	-234000	19.641	91.752	-0.007	108.243		
2/14/2012 19:00	-230400	19.642	91.735	0.01	108.26		
2/14/2012 20:00	-226800	19.642	91.749	-0.004	108.246		
2/14/2012 21:00	-223200	19.646	91.753	-0.008	108.242		
2/14/2012 22:00	-219600	19.646	91.756	-0.011	108.239		
2/14/2012 23:00	-216000	19.644	91.767	-0.022	108.228		
2/15/2012 0:00	-212400	19.644	91.76	-0.015	108.235		
2/15/2012 1:00	-208800	19.642	91.758	-0.013	108.237		
2/15/2012 2:00	-205200	19.643	91.789	-0.044	108.206		
2/15/2012 3:00	-201600	19.643	91.779	-0.034	108.216		
2/15/2012 4:00	-198000	19.644	91.766	-0.021	108.229		
2/15/2012 5:00	-194400	19.644	91.785	-0.04	108.21		
2/15/2012 6:00	-190800	19.645	91.773	-0.028	108.222		
2/15/2012 7:00	-187200	19.645	91.765	-0.02	108.23		
2/15/2012 8:00	-183600	19.645	91.769	-0.024	108.226		
2/15/2012 9:00	-180000	19.644	91.761	-0.016	108.234		
2/15/2012 10:00	-176400	19.645	91.755	-0.01	108.24		
2/15/2012 11:00	-172800	19.643	91.767	-0.022	108.228		
2/15/2012 12:00	-169200	19.643	91.763	-0.018	108.232		
2/15/2012 13:00	-165600	19.646	91.753	-0.008	108.242		
2/15/2012 14:00	-162000	19.644	91.743	0.002	108.252		
2/15/2012 15:00	-158400	19.644	91.851	-0.106	108.144		Level TROLL lowered- ~0.1 feet (well dock)
2/15/2012 16:00	-154800	19.645	91.844	-0.099	108.151		
2/15/2012 17:00	-151200	19.633	91.862	-0.117	108.133		
2/15/2012 18:00	-147600	19.624	91.86	-0.115	108.135		
2/15/2012 19:00	-144000	19.627	91.862	-0.117	108.133		
2/15/2012 20:00	-140400	19.634	91.858	-0.113	108.137		
2/15/2012 21:00	-136800	19.641	91.855	-0.11	108.14		

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BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/15/2012 22:00	-133200	19.641	91.861	-0.116	108.134		
2/15/2012 23:00	-129600	19.643	91.846	-0.101	108.149		
2/16/2012 0:00	-126000	19.642	91.861	-0.116	108.134		
2/16/2012 1:00	-122400	19.642	91.859	-0.114	108.136		
2/16/2012 2:00	-118800	19.643	91.87	-0.125	108.125		
2/16/2012 3:00	-115200	19.644	91.868	-0.123	108.127		
2/16/2012 4:00	-111600	19.647	91.862	-0.117	108.133		
2/16/2012 5:00	-108000	19.642	91.855	-0.11	108.14		
2/16/2012 6:00	-104400	19.645	91.86	-0.115	108.135		
2/16/2012 7:00	-100800	19.646	91.841	-0.096	108.154		
2/16/2012 8:00	-97200	19.647	91.878	-0.133	108.117		
2/16/2012 9:00	-93600	19.648	91.874	-0.129	108.121		
2/16/2012 10:00	-90000	19.648	91.865	-0.12	108.13		
2/16/2012 11:00	-86400	19.646	91.874	-0.129	108.121		
2/16/2012 12:00	-82800	19.647	91.866	-0.121	108.129		
2/16/2012 13:00	-79200	19.645	91.872	-0.127	108.123		
2/16/2012 14:00	-75600	19.647	91.803	-0.058	108.192		
2/16/2012 15:00	-72000	19.648	91.818	-0.073	108.177		
2/16/2012 16:00	-68400	19.647	91.859	-0.114	108.136		
2/16/2012 17:00	-64800	19.648	91.838	-0.093	108.157		
2/16/2012 18:00	-61200	19.647	91.845	-0.1	108.15		
2/16/2012 19:00	-57600	19.648	91.829	-0.084	108.166		
2/16/2012 20:00	-54000	19.647	91.844	-0.099	108.151		
2/16/2012 21:00	-50400	19.648	91.838	-0.093	108.157		
2/16/2012 22:00	-46800	19.648	91.839	-0.094	108.156		
2/16/2012 23:00	-43200	19.647	91.859	-0.114	108.136		
2/17/2012 0:00	-39600	19.647	91.851	-0.106	108.144		
2/17/2012 1:00	-36000	19.648	91.857	-0.112	108.138		

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BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 2:00	-32400	19.65	91.877	-0.132	108.118		
2/17/2012 3:00	-28800	19.65	91.865	-0.12	108.13		
2/17/2012 4:00	-25200	19.649	91.86	-0.115	108.135		
2/17/2012 5:00	-21600	19.65	91.875	-0.13	108.12		
2/17/2012 6:00	-18000	19.648	91.865	-0.12	108.13		
2/17/2012 7:00	-14400	19.649	91.864	-0.119	108.131		
2/17/2012 8:00	-10800	19.65	91.854	-0.109	108.141		
2/17/2012 9:00	-7200	19.65	91.862	-0.117	108.133		
2/17/2012 10:00	-3600	19.65	91.885	-0.14	108.11	108.15	
2/17/2012 10:40	-1200				108.18	108.18	91.873
2/17/2012 11:00	0				108.18	108.18	91.873
2/17/2012 11:10	600				108.25	108.25	91.803
2/17/2012 13:50	9600				109.18	109.18	90.873
2/17/2012 16:42	20520				110.24	110.24	89.813
2/17/2012 16:42		19.506	89.813	0	110.24		
2/17/2012 16:57	21425	19.499	89.751	0.062	110.302		
2/17/2012 17:12	22325	19.496	89.717	0.096	110.336	110.31	
2/17/2012 17:27	23225	19.492	89.706	0.107	110.347		
2/17/2012 17:42	24125	19.49	89.651	0.162	110.402		
2/17/2012 17:57	25025	19.487	89.643	0.17	110.41		
2/17/2012 18:12	25925	19.486	89.593	0.22	110.46		
2/17/2012 18:27	26825	19.483	89.594	0.219	110.459		
2/17/2012 18:42	27725	19.477	89.53	0.283	110.523		
2/17/2012 18:57	28625	19.474	89.52	0.293	110.533		
2/17/2012 19:12	29525	19.475	89.481	0.332	110.572		
2/17/2012 19:27	30425	19.471	89.469	0.344	110.584		
2/17/2012 19:42	31325	19.471	89.448	0.365	110.605		

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BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 19:57	32225	19.469	89.456	0.357	110.597		
2/17/2012 20:12	33125	19.465	89.423	0.39	110.63		
2/17/2012 20:27	34025	19.465	89.395	0.418	110.658		
2/17/2012 20:42	34925	19.46	89.397	0.416	110.656		
2/17/2012 20:57	35825	19.459	89.376	0.437	110.677		
2/17/2012 21:12	36725	19.46	89.377	0.436	110.676		
2/17/2012 21:27	37625	19.46	89.359	0.454	110.694		
2/17/2012 21:42	38525	19.459	89.354	0.459	110.699		
2/17/2012 21:57	39425	19.46	89.349	0.464	110.704		
2/17/2012 22:12	40325	19.456	89.341	0.472	110.712		
2/17/2012 22:27	41225	19.457	89.335	0.478	110.718		
2/17/2012 22:42	42125	19.455	89.329	0.484	110.724		
2/17/2012 22:57	43025	19.453	89.326	0.487	110.727		
2/17/2012 23:12	43925	19.456	89.334	0.479	110.719		
2/17/2012 23:27	44825	19.451	89.308	0.505	110.745		
2/17/2012 23:42	45725	19.451	89.313	0.5	110.74		
2/17/2012 23:57	46625	19.451	89.314	0.499	110.739		
2/18/2012 0:12	47525	19.45	89.308	0.505	110.745		
2/18/2012 0:27	48425	19.448	89.299	0.514	110.754		
2/18/2012 0:42	49325	19.449	89.314	0.499	110.739		
2/18/2012 0:57	50225	19.45	89.317	0.496	110.736		
2/18/2012 1:12	51125	19.449	89.297	0.516	110.756		
2/18/2012 1:27	52025	19.449	89.303	0.51	110.75		
2/18/2012 1:42	52925	19.448	89.297	0.516	110.756		
2/18/2012 1:57	53825	19.446	89.303	0.51	110.75		
2/18/2012 2:12	54725	19.447	89.308	0.505	110.745		
2/18/2012 2:27	55625	19.446	89.287	0.526	110.766		
2/18/2012 2:42	56525	19.444	89.297	0.516	110.756		

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BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 2:57	57425	19.445	89.294	0.519	110.759		
2/18/2012 3:12	58325	19.444	89.296	0.517	110.757		
2/18/2012 3:27	59225	19.444	89.291	0.522	110.762		
2/18/2012 3:42	60125	19.442	89.289	0.524	110.764		
2/18/2012 3:57	61025	19.443	89.282	0.531	110.771		
2/18/2012 4:12	61925	19.44	89.29	0.523	110.763		
2/18/2012 4:27	62825	19.442	89.283	0.53	110.77		
2/18/2012 4:42	63725	19.443	89.287	0.526	110.766		
2/18/2012 4:57	64625	19.441	89.287	0.526	110.766		
2/18/2012 5:12	65525	19.441	89.259	0.554	110.794		
2/18/2012 5:27	66425	19.44	89.269	0.544	110.784		
2/18/2012 5:42	67325	19.438	89.283	0.53	110.77		
2/18/2012 5:57	68225	19.436	89.262	0.551	110.791		
2/18/2012 6:12	69125	19.438	89.262	0.551	110.791		
2/18/2012 6:27	70025	19.437	89.265	0.548	110.788		
2/18/2012 6:42	70925	19.436	89.265	0.548	110.788		
2/18/2012 6:57	71825	19.436	89.281	0.532	110.772		
2/18/2012 7:12	72725	19.437	89.276	0.537	110.777		
2/18/2012 7:27	73625	19.435	89.277	0.536	110.776		
2/18/2012 7:42	74525	19.438	89.288	0.525	110.765		
2/18/2012 7:57	75425	19.438	89.273	0.54	110.78		
2/18/2012 8:12	76325	19.433	89.277	0.536	110.776		
2/18/2012 8:27	77225	19.435	89.286	0.527	110.767		
2/18/2012 8:42	78125	19.436	89.272	0.541	110.781		
2/18/2012 8:57	79025	19.434	89.289	0.524	110.764		
2/18/2012 9:12	79925	19.436	89.285	0.528	110.768		
2/18/2012 9:27	80825	19.436	89.276	0.537	110.777		
2/18/2012 9:42	81725	19.435	89.287	0.526	110.766		

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BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 9:57	82625	19.435	89.289	0.524	110.764		
2/18/2012 10:12	83525	19.434	89.301	0.512	110.752		
2/18/2012 10:27	84425	19.437	89.285	0.528	110.768		
2/18/2012 10:42	85325	19.436	89.301	0.512	110.752		
2/18/2012 10:57	86225	19.436	89.307	0.506	110.746		
2/18/2012 11:12	87125	19.434	89.299	0.514	110.754		
2/18/2012 11:27	88025	19.434	89.293	0.52	110.76		
2/18/2012 11:42	88925	19.438	89.317	0.496	110.736		
2/18/2012 11:57	89825	19.439	89.322	0.491	110.731		
2/18/2012 12:12	90725	19.435	89.311	0.502	110.742		
2/18/2012 12:27	91625	19.436	89.319	0.494	110.734		
2/18/2012 12:42	92525	19.437	89.325	0.488	110.728		
2/18/2012 12:57	93425	19.437	89.324	0.489	110.729		
2/18/2012 13:12	94325	19.437	89.331	0.482	110.722		
2/18/2012 13:27	95225	19.438	89.328	0.485	110.725		
2/18/2012 13:42	96125	19.436	89.325	0.488	110.728		
2/18/2012 13:57	97025	19.435	89.309	0.504	110.744		
2/18/2012 14:12	97925	19.432	89.311	0.502	110.742		
2/18/2012 14:27	98825	19.434	89.317	0.496	110.736		
2/18/2012 14:42	99725	19.437	89.317	0.496	110.736		
2/18/2012 14:57	100625	19.435	89.321	0.492	110.732		
2/18/2012 15:12	101525	19.435	89.309	0.504	110.744		
2/18/2012 15:27	102425	19.433	89.298	0.515	110.755		
2/18/2012 15:42	103325	19.434	89.307	0.506	110.746		
2/18/2012 15:57	104225	19.435	89.308	0.505	110.745		
2/18/2012 16:12	105125	19.435	89.295	0.518	110.758		
2/18/2012 16:27	106025	19.432	89.295	0.518	110.758		
2/18/2012 16:42	106925	19.433	89.3	0.513	110.753		

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BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft) BTOC)	Measurement (ft btoc)	Comments
2/18/2012 16:57	107825	19.432	89.308	0.505	110.745		
2/18/2012 17:12	108725	19.432	89.3	0.513	110.753		
2/18/2012 17:27	109625	19.434	89.3	0.513	110.753		
2/18/2012 17:42	110525	19.434	89.295	0.518	110.758		
2/18/2012 17:57	111425	19.433	89.288	0.525	110.765		
2/18/2012 18:12	112325	19.431	89.292	0.521	110.761		
2/18/2012 18:27	113225	19.43	89.27	0.543	110.783		
2/18/2012 18:42	114125	19.431	89.286	0.527	110.767		
2/18/2012 18:57	115025	19.431	89.304	0.509	110.749		
2/18/2012 19:12	115925	19.43	89.287	0.526	110.766		
2/18/2012 19:27	116825	19.433	89.294	0.519	110.759		
2/18/2012 19:42	117725	19.431	89.306	0.507	110.747		
2/18/2012 19:57	118625	19.434	89.301	0.512	110.752		
2/18/2012 20:12	119525	19.43	89.275	0.538	110.778		
2/18/2012 20:27	120425	19.433	89.301	0.512	110.752		
2/18/2012 20:42	121325	19.434	89.288	0.525	110.765		
2/18/2012 20:57	122225	19.432	89.291	0.522	110.762		
2/18/2012 21:12	123125	19.433	89.292	0.521	110.761		
2/18/2012 21:27	124025	19.43	89.305	0.508	110.748		
2/18/2012 21:42	124925	19.43	89.291	0.522	110.762		
2/18/2012 21:57	125825	19.431	89.311	0.502	110.742		
2/18/2012 22:12	126725	19.43	89.304	0.509	110.749		
2/18/2012 22:27	127625	19.429	89.299	0.514	110.754		
2/18/2012 22:42	128525	19.43	89.315	0.498	110.738		
2/18/2012 22:57	129425	19.432	89.298	0.515	110.755		
2/18/2012 23:12	130325	19.431	89.31	0.503	110.743		
2/18/2012 23:27	131225	19.428	89.303	0.51	110.75		
2/18/2012 23:42	132125	19.428	89.324	0.489	110.729		

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BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 23:57	133025	19.43	89.32	0.493	110.733		
2/19/2012 0:12	133925	19.429	89.317	0.496	110.736		
2/19/2012 0:27	134825	19.426	89.315	0.498	110.738		
2/19/2012 0:42	135725	19.425	89.323	0.49	110.73		
2/19/2012 0:57	136625	19.427	89.311	0.502	110.742		
2/19/2012 1:12	137525	19.428	89.322	0.491	110.731		
2/19/2012 1:27	138425	19.428	89.329	0.484	110.724		
2/19/2012 1:42	139325	19.43	89.325	0.488	110.728		
2/19/2012 1:57	140225	19.429	89.331	0.482	110.722		
2/19/2012 2:12	141125	19.427	89.31	0.503	110.743		
2/19/2012 2:27	142025	19.427	89.333	0.48	110.72		
2/19/2012 2:42	142925	19.424	89.341	0.472	110.712		
2/19/2012 2:57	143825	19.427	89.334	0.479	110.719		
2/19/2012 3:12	144725	19.429	89.323	0.49	110.73		
2/19/2012 3:27	145625	19.426	89.33	0.483	110.723		
2/19/2012 3:42	146525	19.424	89.344	0.469	110.709		
2/19/2012 3:57	147425	19.424	89.338	0.475	110.715		
2/19/2012 4:12	148325	19.426	89.322	0.491	110.731		
2/19/2012 4:27	149225	19.425	89.339	0.474	110.714		
2/19/2012 4:42	150125	19.424	89.341	0.472	110.712		
2/19/2012 4:57	151025	19.424	89.33	0.483	110.723		
2/19/2012 5:12	151925	19.427	89.33	0.483	110.723		
2/19/2012 5:27	152825	19.427	89.319	0.494	110.734		
2/19/2012 5:42	153725	19.426	89.315	0.498	110.738		
2/19/2012 5:57	154625	19.425	89.309	0.504	110.744		
2/19/2012 6:12	155525	19.423	89.325	0.488	110.728		
2/19/2012 6:27	156425	19.426	89.332	0.481	110.721		
2/19/2012 6:42	157325	19.424	89.306	0.507	110.747		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 6:57	158225	19.423	89.338	0.475	110.715		
2/19/2012 7:12	159125	19.425	89.332	0.481	110.721		
2/19/2012 7:27	160025	19.423	89.329	0.484	110.724		
2/19/2012 7:42	160925	19.425	89.333	0.48	110.72		
2/19/2012 7:57	161825	19.424	89.338	0.475	110.715		
2/19/2012 8:12	162725	19.425	89.322	0.491	110.731		
2/19/2012 8:27	163625	19.423	89.327	0.486	110.726		
2/19/2012 8:42	164525	19.425	89.337	0.476	110.716		
2/19/2012 8:57	165425	19.422	89.34	0.473	110.713		
2/19/2012 9:12	166325	19.423	89.311	0.502	110.742		
2/19/2012 9:27	167225	19.424	89.315	0.498	110.738		
2/19/2012 9:42	168125	19.425	89.327	0.486	110.726		
2/19/2012 9:57	169025	19.423	89.325	0.488	110.728		
2/19/2012 10:12	169925	19.423	89.342	0.471	110.711		
2/19/2012 10:27	170825	19.423	89.327	0.486	110.726		
2/19/2012 10:42	171725	19.423	89.332	0.481	110.721		
2/19/2012 10:57	172625	19.422	89.335	0.478	110.718		
2/19/2012 11:12	173525	19.423	89.349	0.464	110.704		
2/19/2012 11:27	174425	19.422	89.342	0.471	110.711		
2/19/2012 11:42	175325	19.423	89.346	0.467	110.707		
2/19/2012 11:57	176225	19.423	89.341	0.472	110.712		
2/19/2012 12:12	177125	19.422	89.352	0.461	110.701		
2/19/2012 12:27	178025	19.422	89.35	0.463	110.703		
2/19/2012 12:42	178925	19.423	89.364	0.449	110.689		
2/19/2012 12:57	179825	19.424	89.355	0.458	110.698		
2/19/2012 13:12	180725	19.421	89.356	0.457	110.697		
2/19/2012 13:27	181625	19.423	89.363	0.45	110.69		
2/19/2012 13:42	182525	19.423	89.33	0.483	110.723		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 13:57	183425	19.423	89.368	0.445	110.685		
2/19/2012 14:12	184325	19.424	89.363	0.45	110.69		
2/19/2012 14:27	185225	19.422	89.366	0.447	110.687		
2/19/2012 14:42	186125	19.421	89.356	0.457	110.697		
2/19/2012 14:57	187025	19.423	89.359	0.454	110.694		
2/19/2012 15:12	187925	19.421	89.365	0.448	110.688		
2/19/2012 15:27	188825	19.421	89.361	0.452	110.692		
2/19/2012 15:42	189725	19.422	89.359	0.454	110.694		
2/19/2012 15:57	190625	19.424	89.353	0.46	110.7		
2/19/2012 16:12	191525	19.424	89.335	0.478	110.718		
2/19/2012 16:27	192425	19.421	89.372	0.441	110.681		
2/19/2012 16:42	193325	19.422	89.354	0.459	110.699		
2/19/2012 16:57	194225	19.423	89.373	0.44	110.68		
2/19/2012 17:12	195125	19.421	89.35	0.463	110.703		
2/19/2012 17:27	196025	19.423	89.369	0.444	110.684		
2/19/2012 17:42	196925	19.42	89.323	0.49	110.73		
2/19/2012 17:57	197825	19.42	89.355	0.458	110.698		
2/19/2012 18:12	198725	19.423	89.353	0.46	110.7		
2/19/2012 18:27	199625	19.42	89.368	0.445	110.685		
2/19/2012 18:42	200525	19.421	89.364	0.449	110.689		
2/19/2012 18:57	201425	19.421	89.358	0.455	110.695		
2/19/2012 19:12	202325	19.42	89.34	0.473	110.713		
2/19/2012 19:27	203225	19.424	89.347	0.466	110.706		
2/19/2012 19:42	204125	19.418	89.354	0.459	110.699		
2/19/2012 19:57	205025	19.421	89.354	0.459	110.699		
2/19/2012 20:12	205925	19.423	89.347	0.466	110.706		
2/19/2012 20:27	206825	19.422	89.342	0.471	110.711		
2/19/2012 20:42	207725	19.421	89.341	0.472	110.712		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 20:57	208625	19.42	89.348	0.465	110.705		
2/19/2012 21:12	209525	19.42	89.346	0.467	110.707		
2/19/2012 21:27	210425	19.419	89.332	0.481	110.721		
2/19/2012 21:42	211325	19.422	89.347	0.466	110.706		
2/19/2012 21:57	212225	19.423	89.329	0.484	110.724		
2/19/2012 22:12	213125	19.421	89.339	0.474	110.714		
2/19/2012 22:27	214025	19.419	89.334	0.479	110.719		
2/19/2012 22:42	214925	19.419	89.362	0.451	110.691		
2/19/2012 22:57	215825	19.423	89.359	0.454	110.694		
2/19/2012 23:12	216725	19.422	89.344	0.469	110.709		
2/19/2012 23:27	217625	19.421	89.358	0.455	110.695		
2/19/2012 23:42	218525	19.421	89.323	0.49	110.73		
2/19/2012 23:57	219425	19.421	89.359	0.454	110.694		
2/20/2012 0:12	220325	19.421	89.35	0.463	110.703		
2/20/2012 0:27	221225	19.425	89.343	0.47	110.71		
2/20/2012 0:42	222125	19.421	89.359	0.454	110.694		
2/20/2012 0:57	223025	19.423	89.358	0.455	110.695		
2/20/2012 1:12	223925	19.419	89.348	0.465	110.705		
2/20/2012 1:27	224825	19.421	89.339	0.474	110.714		
2/20/2012 1:42	225725	19.42	89.34	0.473	110.713		
2/20/2012 1:57	226625	19.422	89.364	0.449	110.689		
2/20/2012 2:12	227525	19.421	89.339	0.474	110.714		
2/20/2012 2:27	228425	19.422	89.373	0.44	110.68		
2/20/2012 2:42	229325	19.421	89.374	0.439	110.679		
2/20/2012 2:57	230225	19.418	89.371	0.442	110.682		
2/20/2012 3:12	231125	19.424	89.38	0.433	110.673		
2/20/2012 3:27	232025	19.421	89.377	0.436	110.676		
2/20/2012 3:42	232925	19.421	89.375	0.438	110.678		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 3:57	233825	19.423	89.339	0.474	110.714		
2/20/2012 4:12	234725	19.422	89.368	0.445	110.685		
2/20/2012 4:27	235625	19.421	89.349	0.464	110.704		
2/20/2012 4:42	236525	19.422	89.363	0.45	110.69		
2/20/2012 4:57	237425	19.422	89.371	0.442	110.682		
2/20/2012 5:12	238325	19.421	89.358	0.455	110.695		
2/20/2012 5:27	239225	19.422	89.376	0.437	110.677		
2/20/2012 5:42	240125	19.42	89.369	0.444	110.684		
2/20/2012 5:57	241025	19.42	89.37	0.443	110.683		
2/20/2012 6:12	241925	19.42	89.374	0.439	110.679		
2/20/2012 6:27	242825	19.422	89.368	0.445	110.685		
2/20/2012 6:42	243725	19.419	89.36	0.453	110.693		
2/20/2012 6:57	244625	19.422	89.325	0.488	110.728		
2/20/2012 7:12	245525	19.419	89.323	0.49	110.73		
2/20/2012 7:27	246425	19.422	89.357	0.456	110.696		
2/20/2012 7:42	247325	19.423	89.349	0.464	110.704		
2/20/2012 7:57	248225	19.42	89.318	0.495	110.735		
2/20/2012 8:12	249125	19.422	89.365	0.448	110.688		
2/20/2012 8:27	250025	19.423	89.33	0.483	110.723		
2/20/2012 8:42	250925	19.421	89.353	0.46	110.7		
2/20/2012 8:57	251825	19.423	89.336	0.477	110.717		
2/20/2012 9:12	252725	19.421	89.356	0.457	110.697		
2/20/2012 9:27	253625	19.42	89.359	0.454	110.694		
2/20/2012 9:42	254525	19.42	89.333	0.48	110.72		
2/20/2012 9:57	255425	19.421	89.355	0.458	110.698		
2/20/2012 10:12	256325	19.42	89.357	0.456	110.696		
2/20/2012 10:27	257225	19.421	89.357	0.456	110.696		
2/20/2012 10:42	258125	19.422	89.368	0.445	110.685		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 10:57	259025	19.419	89.336	0.477	110.717		
2/20/2012 11:12	259925	19.42	89.36	0.453	110.693		
2/20/2012 11:27	260825	19.42	89.37	0.443	110.683		
2/20/2012 11:42	261725	19.419	89.369	0.444	110.684		
2/20/2012 11:57	262625	19.419	89.369	0.444	110.684		
2/20/2012 12:12	263525	19.42	89.342	0.471	110.711		
2/20/2012 12:27	264425	19.42	89.375	0.438	110.678		
2/20/2012 12:42	265325	19.419	89.363	0.45	110.69		
2/20/2012 12:57	266225	19.423	89.333	0.48	110.72		
2/20/2012 13:17						110.65	
2/19/2012 13:12		19.421	89.356	0.457	110.697		
2/19/2012 13:27		19.423	89.363	0.45	110.69		
2/19/2012 13:42		19.423	89.33	0.483	110.723		
2/19/2012 13:57		19.423	89.368	0.445	110.685		
2/19/2012 14:12		19.424	89.363	0.45	110.69		
2/19/2012 14:27		19.422	89.366	0.447	110.687		
2/19/2012 14:42		19.421	89.356	0.457	110.697		
2/19/2012 14:57		19.423	89.359	0.454	110.694		
2/19/2012 15:12		19.421	89.365	0.448	110.688		
2/19/2012 15:27		19.421	89.361	0.452	110.692		
2/19/2012 15:42		19.422	89.359	0.454	110.694		
2/19/2012 15:57		19.424	89.353	0.46	110.7		
2/19/2012 16:12		19.424	89.335	0.478	110.718		
2/19/2012 16:27		19.421	89.372	0.441	110.681		
2/19/2012 16:42		19.422	89.354	0.459	110.699		
2/19/2012 16:57		19.423	89.373	0.44	110.68		
2/19/2012 17:12		19.421	89.35	0.463	110.703		
2/19/2012 17:27		19.423	89.369	0.444	110.684		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 17:42		19.42	89.323	0.49	110.73		
2/19/2012 17:57		19.42	89.355	0.458	110.698		
2/19/2012 18:12		19.423	89.353	0.46	110.7		
2/19/2012 18:27		19.42	89.368	0.445	110.685		
2/19/2012 18:42		19.421	89.364	0.449	110.689		
2/19/2012 18:57		19.421	89.358	0.455	110.695		
2/19/2012 19:12		19.42	89.34	0.473	110.713		
2/19/2012 19:27		19.424	89.347	0.466	110.706		
2/19/2012 19:42		19.418	89.354	0.459	110.699		
2/19/2012 19:57		19.421	89.354	0.459	110.699		
2/19/2012 20:12		19.423	89.347	0.466	110.706		
2/19/2012 20:27		19.422	89.342	0.471	110.711		
2/19/2012 20:42		19.421	89.341	0.472	110.712		
2/19/2012 20:57		19.42	89.348	0.465	110.705		
2/19/2012 21:12		19.42	89.346	0.467	110.707		
2/19/2012 21:27		19.419	89.332	0.481	110.721		
2/19/2012 21:42		19.422	89.347	0.466	110.706		
2/19/2012 21:57		19.423	89.329	0.484	110.724		
2/19/2012 22:12		19.421	89.339	0.474	110.714		
2/19/2012 22:27		19.419	89.334	0.479	110.719		
2/19/2012 22:42		19.419	89.362	0.451	110.691		
2/19/2012 22:57		19.423	89.359	0.454	110.694		
2/19/2012 23:12		19.422	89.344	0.469	110.709		
2/19/2012 23:27		19.421	89.358	0.455	110.695		
2/19/2012 23:42		19.421	89.323	0.49	110.73		
2/19/2012 23:57		19.421	89.359	0.454	110.694		
2/20/2012 0:12		19.421	89.35	0.463	110.703		
2/20/2012 0:27		19.425	89.343	0.47	110.71		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 0:42		19.421	89.359	0.454	110.694		
2/20/2012 0:57		19.423	89.358	0.455	110.695		
2/20/2012 1:12		19.419	89.348	0.465	110.705		
2/20/2012 1:27		19.421	89.339	0.474	110.714		
2/20/2012 1:42		19.42	89.34	0.473	110.713		
2/20/2012 1:57		19.422	89.364	0.449	110.689		
2/20/2012 2:12		19.421	89.339	0.474	110.714		
2/20/2012 2:27		19.422	89.373	0.44	110.68		
2/20/2012 2:42		19.421	89.374	0.439	110.679		
2/20/2012 2:57		19.418	89.371	0.442	110.682		
2/20/2012 3:12		19.424	89.38	0.433	110.673		
2/20/2012 3:27		19.421	89.377	0.436	110.676		
2/20/2012 3:42		19.421	89.375	0.438	110.678		
2/20/2012 3:57		19.423	89.339	0.474	110.714		
2/20/2012 4:12		19.422	89.368	0.445	110.685		
2/20/2012 4:27		19.421	89.349	0.464	110.704		
2/20/2012 4:42		19.422	89.363	0.45	110.69		
2/20/2012 4:57		19.422	89.371	0.442	110.682		
2/20/2012 5:12		19.421	89.358	0.455	110.695		
2/20/2012 5:27		19.422	89.376	0.437	110.677		
2/20/2012 5:42		19.42	89.369	0.444	110.684		
2/20/2012 5:57		19.42	89.37	0.443	110.683		
2/20/2012 6:12		19.42	89.374	0.439	110.679		
2/20/2012 6:27		19.422	89.368	0.445	110.685		
2/20/2012 6:42		19.419	89.36	0.453	110.693		
2/20/2012 6:57		19.422	89.325	0.488	110.728		
2/20/2012 7:12		19.419	89.323	0.49	110.73		
2/20/2012 7:27		19.422	89.357	0.456	110.696		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 7:42		19.423	89.349	0.464	110.704		
2/20/2012 7:57		19.42	89.318	0.495	110.735		
2/20/2012 8:12		19.422	89.365	0.448	110.688		
2/20/2012 8:27		19.423	89.33	0.483	110.723		
2/20/2012 8:42		19.421	89.353	0.46	110.7		
2/20/2012 8:57		19.423	89.336	0.477	110.717		
2/20/2012 9:12		19.421	89.356	0.457	110.697		
2/20/2012 9:27		19.42	89.359	0.454	110.694		
2/20/2012 9:42		19.42	89.333	0.48	110.72		
2/20/2012 9:57		19.421	89.355	0.458	110.698		
2/20/2012 10:12		19.42	89.357	0.456	110.696		
2/20/2012 10:27		19.421	89.357	0.456	110.696		
2/20/2012 10:42		19.422	89.368	0.445	110.685		
2/20/2012 10:57		19.419	89.336	0.477	110.717		
2/20/2012 11:12		19.42	89.36	0.453	110.693		
2/20/2012 11:27		19.42	89.37	0.443	110.683		
2/20/2012 11:42		19.419	89.369	0.444	110.684		
2/20/2012 11:57		19.419	89.369	0.444	110.684		
2/20/2012 12:12		19.42	89.342	0.471	110.711		
2/20/2012 12:27		19.42	89.375	0.438	110.678		
2/20/2012 12:42		19.419	89.363	0.45	110.69		
2/20/2012 12:57		19.423	89.333	0.48	110.72		
2/20/2012 13:12		19.423	89.371	0.442	110.682		
2/20/2012 13:27		19.424	89.375	0.438	110.678		
2/20/2012 13:42		19.419	89.369	0.444	110.684		
2/20/2012 13:57		19.421	89.375	0.438	110.678		
2/20/2012 14:12		19.421	89.385	0.428	110.668		
2/20/2012 14:27		19.419	89.355	0.458	110.698		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 14:42		19.422	89.38	0.433	110.673		
2/20/2012 14:57		19.423	89.367	0.446	110.686		
2/20/2012 15:12		19.42	89.384	0.429	110.669		
2/20/2012 15:27		19.423	89.375	0.438	110.678		
2/20/2012 15:42		19.422	89.375	0.438	110.678		
2/20/2012 15:57		19.424	89.385	0.428	110.668		
2/20/2012 16:12		19.42	89.381	0.432	110.672		
2/20/2012 16:27		19.421	89.365	0.448	110.688		
2/20/2012 16:42		19.42	89.381	0.432	110.672		
2/20/2012 16:57		19.425	89.377	0.436	110.676		
2/20/2012 17:12		19.423	89.371	0.442	110.682		
2/20/2012 17:27		19.423	89.361	0.452	110.692		
2/20/2012 17:42		19.421	89.373	0.44	110.68		
2/20/2012 17:57		19.42	89.362	0.451	110.691		
2/20/2012 18:12		19.42	89.356	0.457	110.697		
2/20/2012 18:27		19.42	89.376	0.437	110.677		
2/20/2012 18:42		19.419	89.361	0.452	110.692		
2/20/2012 18:57		19.423	89.369	0.444	110.684		
2/20/2012 19:12		19.422	89.37	0.443	110.683		
2/20/2012 19:27		19.42	89.35	0.463	110.703		
2/20/2012 19:42		19.419	89.368	0.445	110.685		
2/20/2012 19:57		19.423	89.356	0.457	110.697		
2/20/2012 20:12		19.424	89.36	0.453	110.693		
2/20/2012 20:27		19.421	89.36	0.453	110.693		
2/20/2012 20:42		19.42	89.361	0.452	110.692		
2/20/2012 20:57		19.423	89.345	0.468	110.708		
2/20/2012 21:12		19.421	89.353	0.46	110.7		
2/20/2012 21:27		19.42	89.323	0.49	110.73		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 21:42		19.423	89.35	0.463	110.703		
2/20/2012 21:57		19.421	89.346	0.467	110.707		
2/20/2012 22:12		19.419	89.375	0.438	110.678		
2/20/2012 22:27		19.421	89.335	0.478	110.718		
2/20/2012 22:42		19.423	89.358	0.455	110.695		
2/20/2012 22:57		19.423	89.349	0.464	110.704		
2/20/2012 23:12		19.42	89.367	0.446	110.686		
2/20/2012 23:27		19.424	89.357	0.456	110.696		
2/20/2012 23:42		19.424	89.361	0.452	110.692		
2/20/2012 23:57		19.422	89.363	0.45	110.69		
2/21/2012 0:12		19.423	89.351	0.462	110.702		
2/21/2012 0:27		19.422	89.359	0.454	110.694		
2/21/2012 0:42		19.424	89.357	0.456	110.696		
2/21/2012 0:57		19.421	89.352	0.461	110.701		
2/21/2012 1:12		19.421	89.356	0.457	110.697		
2/21/2012 1:27		19.424	89.34	0.473	110.713		
2/21/2012 1:42		19.422	89.349	0.464	110.704		
2/21/2012 1:57		19.422	89.354	0.459	110.699		
2/21/2012 2:12		19.42	89.327	0.486	110.726		
2/21/2012 2:27		19.421	89.358	0.455	110.695		
2/21/2012 2:42		19.42	89.363	0.45	110.69		
2/21/2012 2:57		19.425	89.36	0.453	110.693		
2/21/2012 3:12		19.42	89.32	0.493	110.733		
2/21/2012 3:27		19.423	89.344	0.469	110.709		
2/21/2012 3:42		19.422	89.351	0.462	110.702		
2/21/2012 3:57		19.422	89.353	0.46	110.7		
2/21/2012 4:12		19.421	89.356	0.457	110.697		
2/21/2012 4:27		19.42	89.354	0.459	110.699		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 4:42		19.422	89.342	0.471	110.711		
2/21/2012 4:57		19.421	89.319	0.494	110.734		
2/21/2012 5:12		19.422	89.327	0.486	110.726		
2/21/2012 5:27		19.421	89.348	0.465	110.705		
2/21/2012 5:42		19.421	89.347	0.466	110.706		
2/21/2012 5:57		19.421	89.332	0.481	110.721		
2/21/2012 6:12		19.42	89.353	0.46	110.7		
2/21/2012 6:27		19.42	89.351	0.462	110.702		
2/21/2012 6:42		19.424	89.357	0.456	110.696		
2/21/2012 6:57		19.422	89.347	0.466	110.706		
2/21/2012 7:12		19.418	89.354	0.459	110.699		
2/21/2012 7:27		19.422	89.335	0.478	110.718		
2/21/2012 7:42		19.42	89.346	0.467	110.707		
2/21/2012 7:57		19.422	89.345	0.468	110.708		
2/21/2012 8:12		19.42	89.347	0.466	110.706		
2/21/2012 8:27		19.422	89.326	0.487	110.727		
2/21/2012 8:42		19.42	89.318	0.495	110.735		
2/21/2012 8:57		19.422	89.341	0.472	110.712		
2/21/2012 9:12		19.423	89.349	0.464	110.704		
2/21/2012 9:27		19.423	89.344	0.469	110.709		
2/21/2012 9:42		19.422	89.353	0.46	110.7		
2/21/2012 9:57		19.424	89.331	0.482	110.722		
2/21/2012 10:12		19.422	89.335	0.478	110.718		
2/21/2012 10:27		19.424	89.34	0.473	110.713		
2/21/2012 10:42		19.423	89.349	0.464	110.704		
2/21/2012 10:57		19.423	89.34	0.473	110.713		
2/21/2012 11:12		19.422	89.345	0.468	110.708		
2/21/2012 11:27		19.424	89.346	0.467	110.707		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 11:42		19.42	89.327	0.486	110.726		
2/21/2012 11:57		19.423	89.352	0.461	110.701		
2/21/2012 12:12		19.419	89.339	0.474	110.714		
2/21/2012 12:27		19.425	89.364	0.449	110.689		
2/21/2012 12:42		19.422	89.353	0.46	110.7		
2/21/2012 12:57		19.422	89.324	0.489	110.729		
2/21/2012 13:12		19.421	89.359	0.454	110.694		
2/21/2012 13:27		19.42	89.354	0.459	110.699		
2/21/2012 13:42		19.424	89.349	0.464	110.704		
2/21/2012 13:57		19.419	89.354	0.459	110.699		
2/21/2012 14:12		19.42	89.351	0.462	110.702		
2/21/2012 14:27		19.421	89.349	0.464	110.704		
2/21/2012 14:42		19.42	89.363	0.45	110.69		
2/21/2012 14:57		19.42	89.354	0.459	110.699		
2/21/2012 15:12		19.419	89.354	0.459	110.699		
2/21/2012 15:27		19.42	89.364	0.449	110.689		
2/21/2012 15:42		19.422	89.349	0.464	110.704		
2/21/2012 15:57		19.42	89.349	0.464	110.704		
2/21/2012 16:12		19.422	89.348	0.465	110.705		
2/21/2012 16:27		19.423	89.345	0.468	110.708		
2/21/2012 16:42		19.42	89.34	0.473	110.713		
2/21/2012 16:57		19.421	89.347	0.466	110.706		
2/21/2012 17:12		19.422	89.346	0.467	110.707		
2/21/2012 17:27		19.422	89.332	0.481	110.721		
2/21/2012 17:42		19.423	89.337	0.476	110.716		
2/21/2012 17:57		19.42	89.345	0.468	110.708		
2/21/2012 18:12		19.424	89.342	0.471	110.711		
2/21/2012 18:27		19.421	89.352	0.461	110.701		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 18:42		19.423	89.344	0.469	110.709		
2/21/2012 18:57		19.42	89.324	0.489	110.729		
2/21/2012 19:12		19.42	89.335	0.478	110.718		
2/21/2012 19:27		19.423	89.333	0.48	110.72		
2/21/2012 19:42		19.421	89.321	0.492	110.732		
2/21/2012 19:57		19.424	89.327	0.486	110.726		
2/21/2012 20:12		19.42	89.339	0.474	110.714		
2/21/2012 20:27		19.421	89.323	0.49	110.73		
2/21/2012 20:42		19.422	89.314	0.499	110.739		
2/21/2012 20:57		19.423	89.321	0.492	110.732		
2/21/2012 21:12		19.422	89.314	0.499	110.739		
2/21/2012 21:27		19.423	89.31	0.503	110.743		
2/21/2012 21:42		19.42	89.303	0.51	110.75		
2/21/2012 21:57		19.42	89.332	0.481	110.721		
2/21/2012 22:12		19.421	89.371	0.442	110.682		
2/21/2012 22:27		19.424	89.451	0.362	110.602		
2/21/2012 22:42		19.423	89.538	0.275	110.515		
2/21/2012 22:57		19.422	89.627	0.186	110.426		
2/21/2012 23:12		19.425	89.747	0.066	110.306		
2/21/2012 23:27		19.43	89.867	-0.054	110.186		
2/21/2012 23:42		19.429	90	-0.187	110.053		
2/21/2012 23:57		19.436	90.097	-0.284	109.956		
2/22/2012 0:12		19.44	90.184	-0.371	109.869		
2/22/2012 0:27		19.441	90.261	-0.448	109.792		
2/22/2012 0:42		19.445	90.351	-0.538	109.702		
2/22/2012 0:57		19.447	90.403	-0.59	109.65		
2/22/2012 1:12		19.45	90.481	-0.668	109.572		
2/22/2012 1:27		19.453	90.527	-0.714	109.526		

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 1:42		19.455	90.581	-0.768	109.472		
2/22/2012 1:57		19.455	90.625	-0.812	109.428		
2/22/2012 2:12		19.459	90.665	-0.852	109.388		
2/22/2012 2:27		19.46	90.703	-0.89	109.35		
2/22/2012 2:42		19.462	90.739	-0.926	109.314		
2/22/2012 2:57		19.464	90.761	-0.948	109.292		
2/22/2012 3:12		19.466	90.805	-0.992	109.248		
2/22/2012 3:27		19.469	90.84	-1.027	109.213		
2/22/2012 3:42		19.472	90.861	-1.048	109.192		
2/22/2012 3:57		19.472	90.875	-1.062	109.178		
2/22/2012 4:12		19.472	90.908	-1.095	109.145		
2/22/2012 4:27		19.476	90.906	-1.093	109.147		
2/22/2012 4:42		19.476	90.945	-1.132	109.108		
2/22/2012 4:57		19.476	90.947	-1.134	109.106		
2/22/2012 5:12		19.479	90.982	-1.169	109.071		
2/22/2012 5:27		19.481	90.997	-1.184	109.056		
2/22/2012 5:42		19.486	90.999	-1.186	109.054		
2/22/2012 5:57		19.486	91.02	-1.207	109.033		
2/22/2012 6:12		19.491	91.038	-1.225	109.015		
2/22/2012 6:27		19.49	91.039	-1.226	109.014		
2/22/2012 6:42		19.495	91.077	-1.264	108.976		
2/22/2012 6:57		19.495	91.065	-1.252	108.988		
2/22/2012 7:12		19.496	91.073	-1.26	108.98		
2/22/2012 7:27		19.5	91.119	-1.306	108.934		
2/22/2012 7:42		19.501	91.097	-1.284	108.956		
2/22/2012 7:57		19.504	91.128	-1.315	108.925		
2/22/2012 8:12		19.502	91.124	-1.311	108.929		
2/22/2012 8:27		19.502	91.164	-1.351	108.889		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 8:42		19.503	91.154	-1.341	108.899		
2/22/2012 8:57		19.506	91.151	-1.338	108.902		
2/22/2012 9:12		19.506	91.176	-1.363	108.877		
2/22/2012 9:27		19.508	91.173	-1.36	108.88		
2/22/2012 9:42		19.508	91.204	-1.391	108.849		
2/22/2012 9:57		19.51	91.202	-1.389	108.851		
2/22/2012 10:12		19.512	91.192	-1.379	108.861		
2/22/2012 10:27		19.51	91.226	-1.413	108.827		
2/22/2012 10:42		19.51	91.236	-1.423	108.817		
2/22/2012 10:57		19.514	91.236	-1.423	108.817		
2/22/2012 11:12		19.514	91.247	-1.434	108.806		
2/22/2012 11:27		19.515	91.252	-1.439	108.801		
2/22/2012 11:42		19.516	91.26	-1.447	108.793		
2/22/2012 11:57		19.515	91.239	-1.426	108.814		
2/22/2012 12:12		19.515	91.279	-1.466	108.774		
2/22/2012 12:27		19.516	91.289	-1.476	108.764		
2/22/2012 12:42		19.519	91.288	-1.475	108.765		
2/22/2012 12:57		19.517	91.298	-1.485	108.755		
2/22/2012 13:12		19.518	91.311	-1.498	108.742		
2/22/2012 13:27		19.52	91.321	-1.508	108.732		
2/22/2012 13:42		19.52	91.314	-1.501	108.739		
2/22/2012 13:57		19.52	91.33	-1.517	108.723		
2/22/2012 14:12		19.523	91.337	-1.524	108.716		
2/22/2012 14:27		19.524	91.332	-1.519	108.721		
2/22/2012 14:42		19.527	91.343	-1.53	108.71		
2/22/2012 14:57		19.527	91.344	-1.531	108.709		
2/22/2012 15:12		19.527	91.349	-1.536	108.704		
2/22/2012 15:27		19.529	91.354	-1.541	108.699		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 15:42		19.53	91.365	-1.552	108.688		
2/22/2012 15:57		19.531	91.363	-1.55	108.69		
2/22/2012 16:12		19.529	91.374	-1.561	108.679		
2/22/2012 16:27		19.532	91.362	-1.549	108.691		
2/22/2012 16:42		19.537	91.381	-1.568	108.672		
2/22/2012 16:57		19.533	91.389	-1.576	108.664		
2/22/2012 17:12		19.532	91.375	-1.562	108.678		
2/22/2012 17:27		19.535	91.363	-1.55	108.69		
2/22/2012 17:42		19.535	91.388	-1.575	108.665		
2/22/2012 17:57		19.538	91.388	-1.575	108.665		
2/22/2012 18:12		19.534	91.396	-1.583	108.657		
2/22/2012 18:27		19.537	91.402	-1.589	108.651		
2/22/2012 18:42		19.538	91.386	-1.573	108.667		
2/22/2012 18:57		19.538	91.401	-1.588	108.652		
2/22/2012 19:12		19.534	91.406	-1.593	108.647		
2/22/2012 19:27		19.539	91.401	-1.588	108.652		
2/22/2012 19:42		19.54	91.408	-1.595	108.645		
2/22/2012 19:57		19.54	91.395	-1.582	108.658		
2/22/2012 20:12		19.539	91.417	-1.604	108.636		
2/22/2012 20:27		19.54	91.402	-1.589	108.651		
2/22/2012 20:42		19.541	91.41	-1.597	108.643		
2/22/2012 20:57		19.542	91.412	-1.599	108.641		
2/22/2012 21:12		19.541	91.417	-1.604	108.636		
2/22/2012 21:27		19.541	91.41	-1.597	108.643		
2/22/2012 21:42		19.543	91.425	-1.612	108.628		
2/22/2012 21:57		19.542	91.422	-1.609	108.631		
2/22/2012 22:12		19.544	91.423	-1.61	108.63		
2/22/2012 22:27		19.544	91.42	-1.607	108.633		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 22:42		19.544	91.435	-1.622	108.618		
2/22/2012 22:57		19.548	91.427	-1.614	108.626		
2/22/2012 23:12		19.544	91.426	-1.613	108.627		
2/22/2012 23:27		19.545	91.421	-1.608	108.632		
2/22/2012 23:42		19.547	91.427	-1.614	108.626		
2/22/2012 23:57		19.549	91.448	-1.635	108.605		
2/23/2012 0:12		19.547	91.43	-1.617	108.623		
2/23/2012 0:27		19.55	91.44	-1.627	108.613		
2/23/2012 0:42		19.548	91.433	-1.62	108.62		
2/23/2012 0:57		19.548	91.449	-1.636	108.604		
2/23/2012 1:12		19.55	91.452	-1.639	108.601		
2/23/2012 1:27		19.55	91.452	-1.639	108.601		
2/23/2012 1:42		19.549	91.439	-1.626	108.614		
2/23/2012 1:57		19.552	91.455	-1.642	108.598		
2/23/2012 2:12		19.552	91.452	-1.639	108.601		
2/23/2012 2:27		19.551	91.464	-1.651	108.589		
2/23/2012 2:42		19.554	91.457	-1.644	108.596		
2/23/2012 2:57		19.553	91.47	-1.657	108.583		
2/23/2012 3:12		19.554	91.483	-1.67	108.57		
2/23/2012 3:27		19.555	91.467	-1.654	108.586		
2/23/2012 3:42		19.554	91.469	-1.656	108.584		
2/23/2012 3:57		19.554	91.476	-1.663	108.577		
2/23/2012 4:12		19.554	91.481	-1.668	108.572		
2/23/2012 4:27		19.555	91.477	-1.664	108.576		
2/23/2012 4:42		19.557	91.473	-1.66	108.58		
2/23/2012 4:57		19.554	91.478	-1.665	108.575		
2/23/2012 5:12		19.554	91.485	-1.672	108.568		
2/23/2012 5:27		19.556	91.494	-1.681	108.559		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 5:42		19.553	91.493	-1.68	108.56		
2/23/2012 5:57		19.552	91.487	-1.674	108.566		
2/23/2012 6:12		19.554	91.495	-1.682	108.558		
2/23/2012 6:27		19.555	91.49	-1.677	108.563		
2/23/2012 6:42		19.555	91.497	-1.684	108.556		
2/23/2012 6:57		19.554	91.482	-1.669	108.571		
2/23/2012 7:12		19.554	91.479	-1.666	108.574		
2/23/2012 7:27		19.556	91.494	-1.681	108.559		
2/23/2012 7:42		19.557	91.485	-1.672	108.568		
2/23/2012 7:57		19.555	91.481	-1.668	108.572		
2/23/2012 8:12		19.561	91.5	-1.687	108.553		
2/23/2012 8:27		19.562	91.497	-1.684	108.556		
2/23/2012 8:42		19.558	91.491	-1.678	108.562		
2/23/2012 8:57		19.556	91.493	-1.68	108.56		
2/23/2012 9:12		19.555	91.491	-1.678	108.562		
2/23/2012 9:27		19.557	91.442	-1.629	108.611		
2/23/2012 9:42		19.555	91.339	-1.526	108.714		
2/23/2012 9:57		19.55	91.228	-1.415	108.825		
2/23/2012 10:12		19.544	91.133	-1.32	108.92		
2/23/2012 10:27		19.538	91.029	-1.216	109.024		
2/23/2012 10:42		19.538	90.943	-1.13	109.11		
2/23/2012 10:57		19.533	90.866	-1.053	109.187		
2/23/2012 11:12		19.513	90.789	-0.976	109.264		
2/23/2012 11:27		19.495	90.724	-0.911	109.329		
2/23/2012 11:42		19.488	90.645	-0.832	109.408		
2/23/2012 11:57		19.484	90.576	-0.763	109.477		
2/23/2012 12:12		19.475	90.513	-0.7	109.54		
2/23/2012 12:27		19.47	90.485	-0.672	109.568		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 12:42		19.471	90.398	-0.585	109.655		
2/23/2012 12:57		19.466	90.356	-0.543	109.697		
2/23/2012 13:12		19.462	90.314	-0.501	109.739		
2/23/2012 13:27		19.459	90.325	-0.512	109.728		
2/23/2012 13:42		19.46	90.364	-0.551	109.689		
2/23/2012 13:57		19.463	90.426	-0.613	109.627		
2/23/2012 14:12		19.467	90.512	-0.699	109.541		
2/23/2012 14:27		19.471	90.602	-0.789	109.451		
2/23/2012 14:42		19.475	90.71	-0.897	109.343		
2/23/2012 14:57		19.482	90.81	-0.997	109.243		
2/23/2012 15:12		19.484	90.864	-1.051	109.189		
2/23/2012 15:27		19.486	90.94	-1.127	109.113		
2/23/2012 15:42		19.491	90.999	-1.186	109.054		
2/23/2012 15:57		19.494	91.02	-1.207	109.033		
2/23/2012 16:12		19.497	91.052	-1.239	109.001		
2/23/2012 16:27		19.506	91.121	-1.308	108.932		
2/23/2012 16:42		19.512	91.149	-1.336	108.904		
2/23/2012 16:57		19.513	91.17	-1.357	108.883		
2/23/2012 17:12		19.518	91.185	-1.372	108.868		
2/23/2012 17:27		19.52	91.213	-1.4	108.84		
2/23/2012 17:42		19.524	91.234	-1.421	108.819		
2/23/2012 17:57		19.526	91.242	-1.429	108.811		
2/23/2012 18:12		19.528	91.26	-1.447	108.793		
2/23/2012 18:27		19.531	91.261	-1.448	108.792		
2/23/2012 18:42		19.532	91.29	-1.477	108.763		
2/23/2012 18:57		19.534	91.294	-1.481	108.759		
2/23/2012 19:12		19.536	91.298	-1.485	108.755		
2/23/2012 19:27		19.536	91.315	-1.502	108.738		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 19:42		19.538	91.325	-1.512	108.728		
2/23/2012 19:57		19.541	91.329	-1.516	108.724		
2/23/2012 20:12		19.542	91.323	-1.51	108.73		
2/23/2012 20:27		19.541	91.341	-1.528	108.712		
2/23/2012 20:42		19.544	91.355	-1.542	108.698		
2/23/2012 20:57		19.545	91.359	-1.546	108.694		
2/23/2012 21:12		19.543	91.36	-1.547	108.693		
2/23/2012 21:27		19.55	91.348	-1.535	108.705		
2/23/2012 21:42		19.546	91.367	-1.554	108.686		
2/23/2012 21:57		19.548	91.384	-1.571	108.669		
2/23/2012 22:12		19.548	91.374	-1.561	108.679		
2/23/2012 22:27		19.55	91.399	-1.586	108.654		
2/23/2012 22:42		19.549	91.392	-1.579	108.661		
2/23/2012 22:57		19.55	91.401	-1.588	108.652		
2/23/2012 23:12		19.55	91.41	-1.597	108.643		
2/23/2012 23:27		19.55	91.407	-1.594	108.646		
2/23/2012 23:42		19.548	91.417	-1.604	108.636		
2/23/2012 23:57		19.553	91.413	-1.6	108.64		
2/24/2012 0:12		19.553	91.417	-1.604	108.636		
2/24/2012 0:27		19.551	91.419	-1.606	108.634		
2/24/2012 0:42		19.551	91.424	-1.611	108.629		
2/24/2012 0:57		19.552	91.418	-1.605	108.635		
2/24/2012 1:12		19.552	91.43	-1.617	108.623		
2/24/2012 1:27		19.555	91.428	-1.615	108.625		
2/24/2012 1:42		19.555	91.439	-1.626	108.614		
2/24/2012 1:57		19.555	91.448	-1.635	108.605		
2/24/2012 2:12		19.557	91.465	-1.652	108.588		
2/24/2012 2:27		19.556	91.456	-1.643	108.597		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 2:42		19.558	91.454	-1.641	108.599		
2/24/2012 2:57		19.558	91.449	-1.636	108.604		
2/24/2012 3:12		19.558	91.454	-1.641	108.599		
2/24/2012 3:27		19.559	91.455	-1.642	108.598		
2/24/2012 3:42		19.558	91.463	-1.65	108.59		
2/24/2012 3:57		19.562	91.47	-1.657	108.583		
2/24/2012 4:12		19.562	91.475	-1.662	108.578		
2/24/2012 4:27		19.559	91.475	-1.662	108.578		
2/24/2012 4:42		19.564	91.474	-1.661	108.579		
2/24/2012 4:57		19.562	91.492	-1.679	108.561		
2/24/2012 5:12		19.563	91.469	-1.656	108.584		
2/24/2012 5:27		19.564	91.475	-1.662	108.578		
2/24/2012 5:42		19.565	91.477	-1.664	108.576		
2/24/2012 5:57		19.567	91.476	-1.663	108.577		
2/24/2012 6:12		19.566	91.482	-1.669	108.571		
2/24/2012 6:27		19.568	91.472	-1.659	108.581		
2/24/2012 6:42		19.567	91.485	-1.672	108.568		
2/24/2012 6:57		19.568	91.479	-1.666	108.574		
2/24/2012 7:12		19.567	91.494	-1.681	108.559		
2/24/2012 7:27		19.57	91.493	-1.68	108.56		
2/24/2012 7:42		19.57	91.489	-1.676	108.564		
2/24/2012 7:57		19.568	91.486	-1.673	108.567		
2/24/2012 8:12		19.566	91.485	-1.672	108.568		
2/24/2012 8:27		19.566	91.482	-1.669	108.571		
2/24/2012 8:42		19.566	91.497	-1.684	108.556		
2/24/2012 8:57		19.565	91.492	-1.679	108.561		
2/24/2012 9:12		19.569	91.482	-1.669	108.571		
2/24/2012 9:27		19.566	91.501	-1.688	108.552		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 9:42		19.567	91.495	-1.682	108.558		
2/24/2012 9:57		19.568	91.507	-1.694	108.546		
2/24/2012 10:12		19.568	91.505	-1.692	108.548		
2/24/2012 10:27		19.569	91.51	-1.697	108.543		
2/24/2012 10:42		19.57	91.511	-1.698	108.542		
2/24/2012 10:57		19.572	91.512	-1.699	108.541		
2/24/2012 11:12		19.57	91.514	-1.701	108.539		
2/24/2012 11:27		19.572	91.513	-1.7	108.54		
2/24/2012 11:42		19.571	91.505	-1.692	108.548		
2/24/2012 11:57		19.574	91.519	-1.706	108.534		
2/24/2012 12:12		19.572	91.501	-1.688	108.552		
2/24/2012 12:27		19.573	91.511	-1.698	108.542		
2/24/2012 12:42		19.575	91.527	-1.714	108.526		
2/24/2012 12:57		19.574	91.544	-1.731	108.509		
2/24/2012 13:12		19.579	91.516	-1.703	108.537		
2/24/2012 13:27		19.578	91.529	-1.716	108.524		
2/24/2012 13:42		19.578	91.544	-1.731	108.509		
2/24/2012 13:57		19.578	91.545	-1.732	108.508		
2/24/2012 14:12		19.58	91.539	-1.726	108.514		
2/24/2012 14:27		19.579	91.534	-1.721	108.519		
2/24/2012 14:42		19.577	91.57	-1.757	108.483		
2/24/2012 14:57		19.578	91.55	-1.737	108.503		
2/24/2012 15:12		19.58	91.556	-1.743	108.497		
2/24/2012 15:27		19.579	91.578	-1.765	108.475		
2/24/2012 15:42		19.58	91.555	-1.742	108.498		
2/24/2012 15:57		19.583	91.544	-1.731	108.509		
2/24/2012 16:12		19.579	91.55	-1.737	108.503		
2/24/2012 16:27		19.582	91.557	-1.744	108.496		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 16:42		19.581	91.578	-1.765	108.475		
2/24/2012 16:57		19.581	91.556	-1.743	108.497		
2/24/2012 17:12		19.579	91.561	-1.748	108.492		
2/24/2012 17:27		19.578	91.557	-1.744	108.496		
2/24/2012 17:42		19.58	91.559	-1.746	108.494		
2/24/2012 17:57		19.575	91.556	-1.743	108.497		
2/24/2012 18:12		19.577	91.572	-1.759	108.481		
2/24/2012 18:27		19.573	91.566	-1.753	108.487		
2/24/2012 18:42		19.576	91.565	-1.752	108.488		
2/24/2012 18:57		19.576	91.56	-1.747	108.493		
2/24/2012 19:12		19.576	91.569	-1.756	108.484		
2/24/2012 19:27		19.577	91.569	-1.756	108.484		
2/24/2012 19:42		19.578	91.576	-1.763	108.477		
2/24/2012 19:57		19.577	91.572	-1.759	108.481		
2/24/2012 20:12		19.575	91.573	-1.76	108.48		
2/24/2012 20:27		19.579	91.581	-1.768	108.472		
2/24/2012 20:42		19.579	91.582	-1.769	108.471		
2/24/2012 20:57		19.576	91.569	-1.756	108.484		
2/24/2012 21:12		19.576	91.571	-1.758	108.482		
2/24/2012 21:27		19.577	91.595	-1.782	108.458		
2/24/2012 21:42		19.578	91.563	-1.75	108.49		
2/24/2012 21:57		19.579	91.579	-1.766	108.474		
2/24/2012 22:12		19.579	91.58	-1.767	108.473		
2/24/2012 22:27		19.579	91.581	-1.768	108.472		
2/24/2012 22:42		19.581	91.575	-1.762	108.478		
2/24/2012 22:57		19.578	91.572	-1.759	108.481		
2/24/2012 23:12		19.579	91.569	-1.756	108.484		
2/24/2012 23:27		19.581	91.57	-1.757	108.483		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 23:42		19.581	91.607	-1.794	108.446		
2/24/2012 23:57		19.581	91.575	-1.762	108.478		
2/25/2012 0:12		19.58	91.614	-1.801	108.439		
2/25/2012 0:27		19.581	91.568	-1.755	108.485		
2/25/2012 0:42		19.582	91.588	-1.775	108.465		
2/25/2012 0:57		19.583	91.594	-1.781	108.459		
2/25/2012 1:12		19.583	91.579	-1.766	108.474		
2/25/2012 1:27		19.584	91.582	-1.769	108.471		
2/25/2012 1:42		19.585	91.607	-1.794	108.446		
2/25/2012 1:57		19.584	91.605	-1.792	108.448		
2/25/2012 2:12		19.586	91.625	-1.812	108.428		
2/25/2012 2:27		19.587	91.595	-1.782	108.458		
2/25/2012 2:42		19.588	91.621	-1.808	108.432		
2/25/2012 2:57		19.588	91.605	-1.792	108.448		
2/25/2012 3:12		19.586	91.617	-1.804	108.436		
2/25/2012 3:27		19.589	91.595	-1.782	108.458		
2/25/2012 3:42		19.59	91.601	-1.788	108.452		
2/25/2012 3:57		19.589	91.603	-1.79	108.45		
2/25/2012 4:12		19.59	91.63	-1.817	108.423		
2/25/2012 4:27		19.59	91.611	-1.798	108.442		
2/25/2012 4:42		19.594	91.602	-1.789	108.451		
2/25/2012 4:57		19.592	91.599	-1.786	108.454		
2/25/2012 5:12		19.59	91.624	-1.811	108.429		
2/25/2012 5:27		19.591	91.596	-1.783	108.457		
2/25/2012 5:42		19.592	91.605	-1.792	108.448		
2/25/2012 5:57		19.592	91.62	-1.807	108.433		
2/25/2012 6:12		19.591	91.619	-1.806	108.434		
2/25/2012 6:27		19.59	91.601	-1.788	108.452		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/25/2012 6:42		19.593	91.634	-1.821	108.419		
2/25/2012 6:57		19.595	91.599	-1.786	108.454		
2/25/2012 7:12		19.593	91.63	-1.817	108.423		
2/25/2012 7:27		19.592	91.604	-1.791	108.449		
2/25/2012 7:42		19.593	91.618	-1.805	108.435		
2/25/2012 7:57		19.594	91.623	-1.81	108.43		
2/25/2012 8:12		19.593	91.627	-1.814	108.426		
2/25/2012 8:27		19.595	91.625	-1.812	108.428		
2/25/2012 8:42		19.59	91.61	-1.797	108.443		
2/25/2012 8:57		19.586	91.62	-1.807	108.433		
2/25/2012 9:12		19.583	91.596	-1.783	108.457		
2/25/2012 9:27		19.581	91.605	-1.792	108.448		
2/25/2012 9:42		19.584	91.601	-1.788	108.452		
2/25/2012 9:57		19.585	91.605	-1.792	108.448		
2/25/2012 10:12		19.585	91.602	-1.789	108.451		
2/25/2012 10:27		19.587	91.6	-1.787	108.453		
2/25/2012 10:42		19.59	91.623	-1.81	108.43		
2/25/2012 10:57		19.589	91.628	-1.815	108.425		
2/25/2012 11:12		19.591	91.621	-1.808	108.432		
2/25/2012 11:27		19.59	91.626	-1.813	108.427		
2/25/2012 11:42		19.59	91.607	-1.794	108.446		
2/25/2012 11:57		19.59	91.607	-1.794	108.446		
2/25/2012 12:12		19.591	91.641	-1.828	108.412		
2/25/2012 12:27		19.592	91.615	-1.802	108.438		
2/25/2012 12:42		19.592	91.638	-1.825	108.415		
2/25/2012 12:57		19.591	91.62	-1.807	108.433		
2/25/2012 13:12		19.592	91.62	-1.807	108.433		
2/25/2012 13:27		19.592	91.614	-1.801	108.439		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/25/2012 13:42		19.597	91.64	-1.827	108.413		
2/25/2012 13:57		19.596	91.611	-1.798	108.442		
2/25/2012 14:12		19.595	91.642	-1.829	108.411		
2/25/2012 14:27		19.593	91.647	-1.834	108.406		
2/25/2012 14:42		19.596	91.65	-1.837	108.403		
2/25/2012 14:57		19.597	91.629	-1.816	108.424		
2/25/2012 15:12		19.596	91.612	-1.799	108.441		
2/25/2012 15:27		19.597	91.624	-1.811	108.429		
2/25/2012 15:42		19.597	91.653	-1.84	108.4		
2/25/2012 15:57		19.596	91.656	-1.843	108.397		
2/25/2012 16:12		19.598	91.657	-1.844	108.396		
2/25/2012 16:27		19.597	91.644	-1.831	108.409		
2/25/2012 16:42		19.599	91.661	-1.848	108.392		
2/25/2012 16:57		19.596	91.653	-1.84	108.4		
2/25/2012 17:12		19.598	91.634	-1.821	108.419		
2/25/2012 17:27		19.598	91.652	-1.839	108.401		
2/25/2012 17:42		19.596	91.662	-1.849	108.391		
2/25/2012 17:57		19.597	91.649	-1.836	108.404		
2/25/2012 18:12		19.598	91.661	-1.848	108.392		
2/25/2012 18:27		19.599	91.66	-1.847	108.393		
2/25/2012 18:42		19.597	91.652	-1.839	108.401		
2/25/2012 18:57		19.597	91.644	-1.831	108.409		
2/25/2012 19:12		19.598	91.661	-1.848	108.392		
2/25/2012 19:27		19.6	91.637	-1.824	108.416		
2/25/2012 19:42		19.6	91.66	-1.847	108.393		
2/25/2012 19:57		19.599	91.632	-1.819	108.421		
2/25/2012 20:12		19.601	91.659	-1.846	108.394		
2/25/2012 20:27		19.596	91.647	-1.834	108.406		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/25/2012 20:42		19.6	91.648	-1.835	108.405		
2/25/2012 20:57		19.601	91.635	-1.822	108.418		
2/25/2012 21:12		19.601	91.66	-1.847	108.393		
2/25/2012 21:27		19.601	91.655	-1.842	108.398		
2/25/2012 21:42		19.602	91.626	-1.813	108.427		
2/25/2012 21:57		19.601	91.66	-1.847	108.393		
2/25/2012 22:12		19.602	91.652	-1.839	108.401		
2/25/2012 22:27		19.599	91.65	-1.837	108.403		
2/25/2012 22:42		19.6	91.645	-1.832	108.408		
2/25/2012 22:57		19.6	91.627	-1.814	108.426		
2/25/2012 23:12		19.599	91.653	-1.84	108.4		
2/25/2012 23:27		19.597	91.633	-1.82	108.42		
2/25/2012 23:42		19.596	91.651	-1.838	108.402		
2/25/2012 23:57		19.597	91.651	-1.838	108.402		
2/26/2012 0:12		19.597	91.643	-1.83	108.41		
2/26/2012 0:27		19.596	91.644	-1.831	108.409		
2/26/2012 0:42		19.596	91.628	-1.815	108.425		
2/26/2012 0:57		19.596	91.626	-1.813	108.427		
2/26/2012 1:12		19.596	91.666	-1.853	108.387		
2/26/2012 1:27		19.596	91.635	-1.822	108.418		
2/26/2012 1:42		19.599	91.646	-1.833	108.407		
2/26/2012 1:57		19.597	91.655	-1.842	108.398		
2/26/2012 2:12		19.597	91.655	-1.842	108.398		
2/26/2012 2:27		19.599	91.663	-1.85	108.39		
2/26/2012 2:42		19.6	91.641	-1.828	108.412		
2/26/2012 2:57		19.599	91.63	-1.817	108.423		
2/26/2012 3:12		19.601	91.647	-1.834	108.406		
2/26/2012 3:27		19.6	91.659	-1.846	108.394		

Table D-3

MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 3:42		19.603	91.646	-1.833	108.407		
2/26/2012 3:57		19.601	91.67	-1.857	108.383		
2/26/2012 4:12		19.601	91.659	-1.846	108.394		
2/26/2012 4:27		19.603	91.665	-1.852	108.388		
2/26/2012 4:42		19.601	91.66	-1.847	108.393		
2/26/2012 4:57		19.602	91.669	-1.856	108.384		
2/26/2012 5:12		19.6	91.655	-1.842	108.398		
2/26/2012 5:27		19.604	91.66	-1.847	108.393		
2/26/2012 5:42		19.604	91.639	-1.826	108.414		
2/26/2012 5:57		19.602	91.664	-1.851	108.389		
2/26/2012 6:12		19.604	91.667	-1.854	108.386		
2/26/2012 6:27		19.6	91.673	-1.86	108.38		
2/26/2012 6:42		19.602	91.664	-1.851	108.389		
2/26/2012 6:57		19.602	91.667	-1.854	108.386		
2/26/2012 7:12		19.602	91.665	-1.852	108.388		
2/26/2012 7:27		19.603	91.662	-1.849	108.391		
2/26/2012 7:42		19.604	91.625	-1.812	108.428		
2/26/2012 7:57		19.604	91.659	-1.846	108.394		
2/26/2012 8:12		19.602	91.653	-1.84	108.4		
2/26/2012 8:27		19.607	91.657	-1.844	108.396		
2/26/2012 8:42		19.606	91.661	-1.848	108.392		
2/26/2012 8:57		19.605	91.662	-1.849	108.391		
2/26/2012 9:12		19.604	91.663	-1.85	108.39		
2/26/2012 9:27		19.603	91.679	-1.866	108.374		
2/26/2012 9:42		19.605	91.68	-1.867	108.373		
2/26/2012 9:57		19.607	91.642	-1.829	108.411		
2/26/2012 10:12		19.604	91.677	-1.864	108.376		
2/26/2012 10:27		19.606	91.671	-1.858	108.382		

Table D-3

MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 10:42		19.605	91.658	-1.845	108.395		
2/26/2012 10:57		19.608	91.655	-1.842	108.398		
2/26/2012 11:12		19.606	91.673	-1.86	108.38		
2/26/2012 11:27		19.608	91.685	-1.872	108.368		
2/26/2012 11:42		19.605	91.67	-1.857	108.383		
2/26/2012 11:57		19.608	91.689	-1.876	108.364		
2/26/2012 12:12		19.605	91.688	-1.875	108.365		
2/26/2012 12:27		19.604	91.68	-1.867	108.373		
2/26/2012 12:42		19.607	91.685	-1.872	108.368		
2/26/2012 12:57		19.603	91.687	-1.874	108.366		
2/26/2012 13:12		19.607	91.687	-1.874	108.366		
2/26/2012 13:27		19.604	91.682	-1.869	108.371		
2/26/2012 13:42		19.606	91.674	-1.861	108.379		
2/26/2012 13:57		19.608	91.683	-1.87	108.37		
2/26/2012 14:12		19.606	91.676	-1.863	108.377		
2/26/2012 14:27		19.606	91.653	-1.84	108.4		
2/26/2012 14:42		19.606	91.697	-1.884	108.356		
2/26/2012 14:57		19.606	91.683	-1.87	108.37		
2/26/2012 15:12		19.61	91.703	-1.89	108.35		
2/26/2012 15:27		19.605	91.697	-1.884	108.356		
2/26/2012 15:42		19.608	91.693	-1.88	108.36		
2/26/2012 15:57		19.605	91.698	-1.885	108.355		
2/26/2012 16:12		19.608	91.7	-1.887	108.353		
2/26/2012 16:27		19.607	91.696	-1.883	108.357		
2/26/2012 16:42		19.609	91.695	-1.882	108.358		
2/26/2012 16:57		19.608	91.692	-1.879	108.361		
2/26/2012 17:12		19.609	91.71	-1.897	108.343		
2/26/2012 17:27		19.605	91.685	-1.872	108.368		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 17:42		19.609	91.706	-1.893	108.347		
2/26/2012 17:57		19.607	91.691	-1.878	108.362		
2/26/2012 18:12		19.607	91.696	-1.883	108.357		
2/26/2012 18:27		19.608	91.703	-1.89	108.35		
2/26/2012 18:42		19.608	91.703	-1.89	108.35		
2/26/2012 18:57		19.607	91.707	-1.894	108.346		
2/26/2012 19:12		19.61	91.702	-1.889	108.351		
2/26/2012 19:27		19.609	91.688	-1.875	108.365		
2/26/2012 19:42		19.608	91.694	-1.881	108.359		
2/26/2012 19:57		19.608	91.692	-1.879	108.361		
2/26/2012 20:12		19.609	91.704	-1.891	108.349		
2/26/2012 20:27		19.608	91.696	-1.883	108.357		
2/26/2012 20:42		19.608	91.698	-1.885	108.355		
2/26/2012 20:57		19.607	91.692	-1.879	108.361		
2/26/2012 21:12		19.608	91.687	-1.874	108.366		
2/26/2012 21:27		19.607	91.695	-1.882	108.358		
2/26/2012 21:42		19.61	91.708	-1.895	108.345		
2/26/2012 21:57		19.608	91.681	-1.868	108.372		
2/26/2012 22:12		19.607	91.704	-1.891	108.349		
2/26/2012 22:27		19.605	91.695	-1.882	108.358		
2/26/2012 22:42		19.607	91.703	-1.89	108.35		
2/26/2012 22:57		19.604	91.696	-1.883	108.357		
2/26/2012 23:12		19.604	91.695	-1.882	108.358		
2/26/2012 23:27		19.606	91.697	-1.884	108.356		
2/26/2012 23:42		19.605	91.71	-1.897	108.343		
2/26/2012 23:57		19.602	91.711	-1.898	108.342		
2/27/2012 0:12		19.606	91.678	-1.865	108.375		
2/27/2012 0:27		19.608	91.687	-1.874	108.366		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/27/2012 0:42		19.607	91.707	-1.894	108.346		
2/27/2012 0:57		19.604	91.708	-1.895	108.345		
2/27/2012 1:12		19.606	91.708	-1.895	108.345		
2/27/2012 1:27		19.603	91.672	-1.859	108.381		
2/27/2012 1:42		19.607	91.695	-1.882	108.358		
2/27/2012 1:57		19.605	91.707	-1.894	108.346		
2/27/2012 2:12		19.606	91.712	-1.899	108.341		
2/27/2012 2:27		19.606	91.713	-1.9	108.34		
2/27/2012 2:42		19.607	91.709	-1.896	108.344		
2/27/2012 2:57		19.608	91.708	-1.895	108.345		
2/27/2012 3:12		19.609	91.686	-1.873	108.367		
2/27/2012 3:27		19.608	91.716	-1.903	108.337		
2/27/2012 3:42		19.61	91.692	-1.879	108.361		
2/27/2012 3:57		19.607	91.709	-1.896	108.344		
2/27/2012 4:12		19.609	91.7	-1.887	108.353		
2/27/2012 4:27		19.606	91.709	-1.896	108.344		
2/27/2012 4:42		19.607	91.711	-1.898	108.342		
2/27/2012 4:57		19.61	91.689	-1.876	108.364		
2/27/2012 5:12		19.612	91.702	-1.889	108.351		
2/27/2012 5:27		19.609	91.684	-1.871	108.369		
2/27/2012 5:42		19.613	91.695	-1.882	108.358		
2/27/2012 5:57		19.613	91.703	-1.89	108.35		
2/27/2012 6:12		19.61	91.71	-1.897	108.343		
2/27/2012 6:27		19.61	91.698	-1.885	108.355		
2/27/2012 6:42		19.609	91.705	-1.892	108.348		
2/27/2012 6:57		19.611	91.707	-1.894	108.346		
2/27/2012 7:12		19.611	91.702	-1.889	108.351		
2/27/2012 7:27		19.61	91.694	-1.881	108.359		

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MW-1 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/27/2012 7:42		19.612	91.685	-1.872	108.368		
2/27/2012 7:57		19.612	91.701	-1.888	108.352		
2/27/2012 8:12		19.612	91.701	-1.888	108.352		
2/27/2012 8:27		19.611	91.706	-1.893	108.347		
2/27/2012 8:42		19.613	91.695	-1.882	108.358		
2/27/2012 8:57		19.613	91.719	-1.906	108.334		
2/27/2012 9:12		19.611	91.713	-1.9	108.34		
2/27/2012 9:27		19.61	91.685	-1.872	108.368		
2/27/2012 9:42		19.609	91.7	-1.887	108.353		
2/27/2012 9:57		19.612	91.717	-1.904	108.336		
2/27/2012 10:12		19.613	91.709	-1.896	108.344		
2/27/2012 10:27		19.611	91.708	-1.895	108.345		
2/27/2012 10:42		19.61	91.706	-1.893	108.347		
2/27/2012 10:57		19.611	91.704	-1.891	108.349		
2/27/2012 11:12		19.609	91.715	-1.902	108.338		
2/27/2012 11:27		19.611	91.702	-1.889	108.351		
2/27/2012 11:42		19.611	91.708	-1.895	108.345		
2/27/2012 11:57		19.61	91.708	-1.895	108.345		
2/27/2012 12:12		19.612	91.713	-1.9	108.34		
2/27/2012 12:27		19.611	91.711	-1.898	108.342		
2/27/2012 12:42		19.61	91.712	-1.899	108.341		
2/27/2012 12:57		19.611	91.716	-1.903	108.337		
2/27/2012 13:12		19.613	91.716	-1.903	108.337		
2/27/2012 13:27		19.612	91.715	-1.902	108.338		
2/27/2012 13:42		19.611	91.713	-1.9	108.34		
2/27/2012 13:57		19.611	91.717	-1.904	108.336		
2/27/2012 14:12		19.612	91.71	-1.897	108.343	Transducer pulled	

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/13/2012 15:00	-331200	17.493				108.79	
2/13/2012 16:00	-327600	19.477	88.82	0	108.79		
2/13/2012 17:00	-324000	19.48	88.851	-0.003	108.787		
2/13/2012 18:00	-320400	19.48	88.894	-0.003	108.787		
2/13/2012 19:00	-316800	19.483	88.879	-0.006	108.784		
2/13/2012 20:00	-313200	19.48	88.899	-0.003	108.787		
2/13/2012 21:00	-309600	19.482	88.886	-0.005	108.785		
2/13/2012 22:00	-306000	19.482	88.9	-0.005	108.785		
2/13/2012 23:00	-302400	19.482	88.927	-0.005	108.785		
2/14/2012 0:00	-298800	19.481	88.936	-0.004	108.786		
2/14/2012 1:00	-295200	19.481	88.904	-0.004	108.786		
2/14/2012 2:00	-291600	19.483	88.916	-0.006	108.784		
2/14/2012 3:00	-288000	19.485	88.906	-0.008	108.782		
2/14/2012 4:00	-284400	19.484	88.899	-0.007	108.783		
2/14/2012 5:00	-280800	19.485	88.923	-0.008	108.782		
2/14/2012 6:00	-277200	19.482	88.944	-0.005	108.785		
2/14/2012 7:00	-273600	19.486	88.969	-0.009	108.781		
2/14/2012 8:00	-270000	19.486	88.982	-0.009	108.781		
2/14/2012 9:00	-266400	19.485	89.02	-0.008	108.782		
2/14/2012 10:00	-262800	19.484	89.017	-0.007	108.783		
2/14/2012 11:00	-259200	19.483	89.046	-0.006	108.784		
2/14/2012 12:00	-255600	19.486	89.04	-0.009	108.781		
2/14/2012 13:00	-252000	19.487	89.023	-0.01	108.78		
2/14/2012 14:00	-248400	19.486	88.984	-0.009	108.781		
2/14/2012 15:00	-244800	19.488	88.985	-0.011	108.779		
2/14/2012 16:00	-241200	19.488	88.979	-0.011	108.779		
2/14/2012 17:00	-237600	19.487	89.001	-0.01	108.78		
2/14/2012 18:00	-234000	19.488	88.994	-0.011	108.779		
2/14/2012 19:00	-230400	19.486	89.002	-0.009	108.781		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/14/2012 20:00	-226800	19.489	89.039	-0.012	108.778		
2/14/2012 21:00	-223200	19.489	89.014	-0.012	108.778		
2/14/2012 22:00	-219600	19.489	89.016	-0.012	108.778		
2/14/2012 23:00	-216000	19.489	89.049	-0.012	108.778		
2/15/2012 0:00	-212400	19.49	89.063	-0.013	108.777		
2/15/2012 1:00	-208800	19.492	89.043	-0.015	108.775		
2/15/2012 2:00	-205200	19.491	89.003	-0.014	108.776		
2/15/2012 3:00	-201600	19.494	88.981	-0.017	108.773		
2/15/2012 4:00	-198000	19.49	88.948	-0.013	108.777		
2/15/2012 5:00	-194400	19.493	88.966	-0.016	108.774		
2/15/2012 6:00	-190800	19.493	88.955	-0.016	108.774		
2/15/2012 7:00	-187200	19.493	88.944	-0.016	108.774		
2/15/2012 8:00	-183600	19.494	88.929	-0.017	108.773		
2/15/2012 9:00	-180000	19.493	88.931	-0.016	108.774		
2/15/2012 10:00	-176400	19.493	88.983	-0.016	108.774		
2/15/2012 11:00	-172800	19.492	88.976	-0.015	108.775		
2/15/2012 12:00	-169200	19.492	88.956	-0.015	108.775		
2/15/2012 13:00	-165600	19.495	88.961	-0.018	108.772		
2/15/2012 14:00	-162000	19.494	88.968	-0.017	108.773		
2/15/2012 15:00	-158400	19.493	89.187	-0.016	108.774	Level TROLL lowered- ~0.1 feet (well dock)	
2/15/2012 16:00	-154800	19.496	89.177	-0.019	108.771		
2/15/2012 17:00	-151200	19.494	89.192	-0.017	108.773		
2/15/2012 18:00	-147600	19.493	89.193	-0.016	108.774		
2/15/2012 19:00	-144000	19.494	89.204	-0.017	108.773		
2/15/2012 20:00	-140400	19.495	89.223	-0.018	108.772		
2/15/2012 21:00	-136800	19.494	89.214	-0.017	108.773		
2/15/2012 22:00	-133200	19.494	89.234	-0.017	108.773		
2/15/2012 23:00	-129600	19.493	89.245	-0.016	108.774		
2/16/2012 0:00	-126000	19.495	89.261	-0.018	108.772		

Table D-4

MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/16/2012 1:00	-122400	19.495	89.229	-0.018	108.772		
2/16/2012 2:00	-118800	19.495	89.264	-0.018	108.772		
2/16/2012 3:00	-115200	19.492	89.244	-0.015	108.775		
2/16/2012 4:00	-111600	19.495	89.277	-0.018	108.772		
2/16/2012 5:00	-108000	19.495	89.306	-0.018	108.772		
2/16/2012 6:00	-104400	19.495	89.315	-0.018	108.772		
2/16/2012 7:00	-100800	19.493	89.309	-0.016	108.774		
2/16/2012 8:00	-97200	19.495	89.356	-0.018	108.772		
2/16/2012 9:00	-93600	19.498	89.366	-0.021	108.769		
2/16/2012 10:00	-90000	19.496	89.379	-0.019	108.771		
2/16/2012 11:00	-86400	19.497	89.361	-0.02	108.77		
2/16/2012 12:00	-82800	19.496	89.356	-0.019	108.771		
2/16/2012 13:00	-79200	19.498	89.316	-0.021	108.769		
2/16/2012 14:00	-75600	19.458	88.794	0.019	108.809		
2/16/2012 15:00	-72000	19.471	89.153	0.006	108.796		
2/16/2012 16:00	-68400	19.484	89.22	-0.007	108.783		
2/16/2012 17:00	-64800	19.492	89.26	-0.015	108.775		
2/16/2012 18:00	-61200	19.492	89.29	-0.015	108.775		
2/16/2012 19:00	-57600	19.496	89.322	-0.019	108.771		
2/16/2012 20:00	-54000	19.495	89.329	-0.018	108.772		
2/16/2012 21:00	-50400	19.496	89.328	-0.019	108.771		
2/16/2012 22:00	-46800	19.496	89.369	-0.019	108.771		
2/16/2012 23:00	-43200	19.498	89.39	-0.021	108.769		
2/17/2012 0:00	-39600	19.495	89.383	-0.018	108.772		
2/17/2012 1:00	-36000	19.497	89.362	-0.02	108.77		
2/17/2012 2:00	-32400	19.499	89.382	-0.022	108.768		
2/17/2012 3:00	-28800	19.498	89.386	-0.021	108.769		
2/17/2012 4:00	-25200	19.501	89.386	-0.024	108.766		
2/17/2012 5:00	-21600	19.496	89.383	-0.019	108.771		

Table D-4

MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 6:00	-18000	19.497	89.389	-0.02	108.77		
2/17/2012 7:00	-14400	19.499	89.408	-0.022	108.768		
2/17/2012 8:00	-10800	19.499	89.406	-0.022	108.768		
2/17/2012 9:00	-7200	19.5	89.392	-0.023	108.767		
2/17/2012 10:00	-3600	19.499	89.438	-0.022	108.768	108.77	
2/17/2012 10:44					108.8	108.8	
2/17/2012 11:00					108.8	108.8	
2/17/2012 11:15					109.15	109.15	
2/17/2012 13:55					115.5	115.5	
2/17/2012 16:39	0	19.329	76.351	0	121.86	121.86	
2/17/2012 16:54	900.001	19.326	76.142	0.209	122.069		
2/17/2012 17:09	1800.001	19.324	75.88	0.471	122.331	122.25	
2/17/2012 17:24	2700.001	19.326	75.628	0.723	122.583		
2/17/2012 17:39	3600.001	19.325	75.444	0.907	122.767		
2/17/2012 17:54	4500.001	19.327	75.269	1.082	122.942		
2/17/2012 18:09	5400.001	19.328	75.118	1.233	123.093		
2/17/2012 18:24	6300.001	19.328	74.957	1.394	123.254		
2/17/2012 18:39	7200.001	19.328	74.838	1.513	123.373		
2/17/2012 18:54	8100.001	19.327	74.726	1.625	123.485		
2/17/2012 19:09	9000.001	19.328	74.6	1.751	123.611		
2/17/2012 19:24	9900.001	19.326	74.517	1.834	123.694		
2/17/2012 19:39	10800.001	19.33	74.425	1.926	123.786		
2/17/2012 19:54	11700.001	19.327	74.366	1.985	123.845		
2/17/2012 20:09	12600.001	19.329	74.313	2.038	123.898		
2/17/2012 20:24	13500.001	19.329	74.273	2.078	123.938		
2/17/2012 20:39	14400.001	19.33	74.219	2.132	123.992		
2/17/2012 20:54	15300.001	19.33	74.188	2.163	124.023		
2/17/2012 21:09	16200.001	19.33	74.128	2.223	124.083		
2/17/2012 21:24	17100.001	19.33	74.093	2.258	124.118		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 21:39	18000.001	19.33	74.06	2.291	124.151		
2/17/2012 21:54	18900.001	19.329	74.044	2.307	124.167		
2/17/2012 22:09	19800.001	19.328	74.035	2.316	124.176		
2/17/2012 22:24	20700.001	19.329	74.01	2.341	124.201		
2/17/2012 22:39	21600.001	19.332	73.983	2.368	124.228		
2/17/2012 22:54	22500.001	19.332	73.954	2.397	124.257		
2/17/2012 23:09	23400.001	19.329	73.936	2.415	124.275		
2/17/2012 23:24	24300.001	19.33	73.932	2.419	124.279		
2/17/2012 23:39	25200.001	19.33	73.898	2.453	124.313		
2/17/2012 23:54	26100.001	19.329	73.869	2.482	124.342		
2/18/2012 0:09	27000.001	19.331	73.828	2.523	124.383		
2/18/2012 0:24	27900.001	19.332	73.825	2.526	124.386		
2/18/2012 0:39	28800.001	19.331	73.807	2.544	124.404		
2/18/2012 0:54	29700.001	19.334	73.804	2.547	124.407		
2/18/2012 1:09	30600.001	19.33	73.781	2.57	124.43		
2/18/2012 1:24	31500.001	19.334	73.714	2.637	124.497		
2/18/2012 1:39	32400.001	19.331	73.662	2.689	124.549		
2/18/2012 1:54	33300.001	19.333	73.596	2.755	124.615		
2/18/2012 2:09	34200.001	19.332	73.557	2.794	124.654		
2/18/2012 2:24	35100.001	19.331	73.526	2.825	124.685		
2/18/2012 2:39	36000.001	19.333	73.514	2.837	124.697		
2/18/2012 2:54	36900.001	19.333	73.461	2.89	124.75		
2/18/2012 3:09	37800.001	19.333	73.426	2.925	124.785		
2/18/2012 3:24	38700.001	19.332	73.403	2.948	124.808		
2/18/2012 3:39	39600.001	19.331	73.37	2.981	124.841		
2/18/2012 3:54	40500.001	19.334	73.344	3.007	124.867		
2/18/2012 4:09	41400.001	19.336	73.325	3.026	124.886		
2/18/2012 4:24	42300.001	19.334	73.289	3.062	124.922		
2/18/2012 4:39	43200.001	19.334	73.291	3.06	124.92		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 4:54	44100.001	19.335	73.262	3.089	124.949		
2/18/2012 5:09	45000.001	19.333	73.287	3.064	124.924		
2/18/2012 5:24	45900.001	19.334	73.285	3.066	124.926		
2/18/2012 5:39	46800.001	19.333	73.279	3.072	124.932		
2/18/2012 5:54	47700.001	19.332	73.244	3.107	124.967		
2/18/2012 6:09	48600.001	19.335	73.259	3.092	124.952		
2/18/2012 6:24	49500.001	19.334	73.257	3.094	124.954		
2/18/2012 6:39	50400.001	19.335	73.246	3.105	124.965		
2/18/2012 6:54	51300.001	19.333	73.248	3.103	124.963		
2/18/2012 7:09	52200.001	19.336	73.232	3.119	124.979		
2/18/2012 7:24	53100.001	19.337	73.23	3.121	124.981		
2/18/2012 7:39	54000.001	19.334	73.219	3.132	124.992		
2/18/2012 7:54	54900.001	19.333	73.196	3.155	125.015		
2/18/2012 8:09	55800.001	19.335	73.161	3.19	125.05		
2/18/2012 8:24	56700.001	19.334	73.141	3.21	125.07		
2/18/2012 8:39	57600.001	19.335	73.13	3.221	125.081		
2/18/2012 8:54	58500.001	19.332	73.134	3.217	125.077		
2/18/2012 9:09	59400.001	19.336	73.137	3.214	125.074		
2/18/2012 9:24	60300.001	19.337	73.121	3.23	125.09		
2/18/2012 9:39	61200.001	19.333	73.115	3.236	125.096		
2/18/2012 9:54	62100.001	19.335	73.118	3.233	125.093		
2/18/2012 10:09	63000.001	19.336	73.101	3.25	125.11		
2/18/2012 10:24	63900.001	19.335	73.109	3.242	125.102		
2/18/2012 10:39	64800.001	19.336	73.1	3.251	125.111		
2/18/2012 10:54	65700.001	19.335	73.1	3.251	125.111		
2/18/2012 11:09	66600.001	19.334	73.097	3.254	125.114		
2/18/2012 11:24	67500.001	19.337	73.084	3.267	125.127		
2/18/2012 11:39	68400.001	19.336	73.082	3.269	125.129		
2/18/2012 11:54	69300.001	19.337	73.072	3.279	125.139		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 12:09	70200.001	19.334	73.074	3.277	125.137		
2/18/2012 12:24	71100.001	19.336	73.061	3.29	125.15		
2/18/2012 12:39	72000.001	19.335	73.04	3.311	125.171		
2/18/2012 12:54	72900.001	19.334	73.021	3.33	125.19		
2/18/2012 13:09	73800.001	19.338	72.963	3.388	125.248		
2/18/2012 13:24	74700.001	19.337	72.935	3.416	125.276		
2/18/2012 13:39	75600.001	19.337	72.896	3.455	125.315		
2/18/2012 13:54	76500.001	19.337	72.806	3.545	125.405		
2/18/2012 14:09	77400.001	19.338	72.71	3.641	125.501		
2/18/2012 14:24	78300.001	19.335	72.652	3.699	125.559		
2/18/2012 14:39	79200.001	19.338	72.604	3.747	125.607		
2/18/2012 14:54	80100.001	19.337	72.544	3.807	125.667		
2/18/2012 15:09	81000.001	19.338	72.514	3.837	125.697		
2/18/2012 15:24	81900.001	19.339	72.476	3.875	125.735		
2/18/2012 15:39	82800.001	19.338	72.443	3.908	125.768		
2/18/2012 15:54	83700.001	19.337	72.446	3.905	125.765		
2/18/2012 16:09	84600.001	19.34	72.424	3.927	125.787		
2/18/2012 16:24	85500.001	19.34	72.398	3.953	125.813		
2/18/2012 16:39	86400.001	19.341	72.386	3.965	125.825		
2/18/2012 16:54	87300.001	19.338	72.37	3.981	125.841		
2/18/2012 17:09	88200.001	19.339	72.363	3.988	125.848		
2/18/2012 17:24	89100.001	19.337	72.351	4	125.86		
2/18/2012 17:39	90000.001	19.339	72.34	4.011	125.871		
2/18/2012 17:54	90900.001	19.338	72.333	4.018	125.878		
2/18/2012 18:09	91800.001	19.338	72.337	4.014	125.874		
2/18/2012 18:24	92700.001	19.337	72.326	4.025	125.885		
2/18/2012 18:39	93600.001	19.34	72.321	4.03	125.89		
2/18/2012 18:54	94500.001	19.34	72.312	4.039	125.899		
2/18/2012 19:09	95400.001	19.34	72.306	4.045	125.905		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 19:24	96300.001	19.339	72.298	4.053	125.913		
2/18/2012 19:39	97200.001	19.34	72.292	4.059	125.919		
2/18/2012 19:54	98100.001	19.342	72.278	4.073	125.933		
2/18/2012 20:09	99000.001	19.341	72.276	4.075	125.935		
2/18/2012 20:24	99900.001	19.339	72.282	4.069	125.929		
2/18/2012 20:39	100800.001	19.338	72.268	4.083	125.943		
2/18/2012 20:54	101700.001	19.34	72.274	4.077	125.937		
2/18/2012 21:09	102600.001	19.34	72.263	4.088	125.948		
2/18/2012 21:24	103500.001	19.337	72.261	4.09	125.95		
2/18/2012 21:39	104400.001	19.339	72.244	4.107	125.967		
2/18/2012 21:54	105300.001	19.341	72.233	4.118	125.978		
2/18/2012 22:09	106200.001	19.341	72.227	4.124	125.984		
2/18/2012 22:24	107100.001	19.341	72.222	4.129	125.989		
2/18/2012 22:39	108000.001	19.341	72.216	4.135	125.995		
2/18/2012 22:54	108900.001	19.341	72.224	4.127	125.987		
2/18/2012 23:09	109800.001	19.341	72.22	4.131	125.991		
2/18/2012 23:24	110700.001	19.342	72.215	4.136	125.996		
2/18/2012 23:39	111600.001	19.342	72.19	4.161	126.021		
2/18/2012 23:54	112500.001	19.342	72.198	4.153	126.013		
2/19/2012 0:09	113400.001	19.342	72.197	4.154	126.014		
2/19/2012 0:24	114300.001	19.34	72.179	4.172	126.032		
2/19/2012 0:39	115200.001	19.339	72.187	4.164	126.024		
2/19/2012 0:54	116100.001	19.34	72.177	4.174	126.034		
2/19/2012 1:09	117000.001	19.34	72.189	4.162	126.022		
2/19/2012 1:24	117900.001	19.343	72.186	4.165	126.025		
2/19/2012 1:39	118800.001	19.343	72.178	4.173	126.033		
2/19/2012 1:54	119700.001	19.342	72.182	4.169	126.029		
2/19/2012 2:09	120600.001	19.343	72.171	4.18	126.04		
2/19/2012 2:24	121500.001	19.34	72.163	4.188	126.048		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 2:39	122400.001	19.344	72.167	4.184	126.044		
2/19/2012 2:54	123300.001	19.341	72.165	4.186	126.046		
2/19/2012 3:09	124200.001	19.342	72.151	4.2	126.06		
2/19/2012 3:24	125100.001	19.341	72.161	4.19	126.05		
2/19/2012 3:39	126000.001	19.342	72.147	4.204	126.064		
2/19/2012 3:54	126900.001	19.343	72.148	4.203	126.063		
2/19/2012 4:09	127800.001	19.344	72.146	4.205	126.065		
2/19/2012 4:24	128700.001	19.34	72.143	4.208	126.068		
2/19/2012 4:39	129600.001	19.341	72.153	4.198	126.058		
2/19/2012 4:54	130500.001	19.343	72.149	4.202	126.062		
2/19/2012 5:09	131400.001	19.339	72.157	4.194	126.054		
2/19/2012 5:24	132300.001	19.341	72.14	4.211	126.071		
2/19/2012 5:39	133200.001	19.341	72.142	4.209	126.069		
2/19/2012 5:54	134100.001	19.342	72.142	4.209	126.069		
2/19/2012 6:09	135000.001	19.344	72.161	4.19	126.05		
2/19/2012 6:24	135900.001	19.341	72.149	4.202	126.062		
2/19/2012 6:39	136800.001	19.341	72.151	4.2	126.06		
2/19/2012 6:54	137700.001	19.343	72.167	4.184	126.044		
2/19/2012 7:09	138600.001	19.345	72.177	4.174	126.034		
2/19/2012 7:24	139500.001	19.342	72.176	4.175	126.035		
2/19/2012 7:39	140400.001	19.343	72.175	4.176	126.036		
2/19/2012 7:54	141300.001	19.344	72.17	4.181	126.041		
2/19/2012 8:09	142200.001	19.343	72.169	4.182	126.042		
2/19/2012 8:24	143100.001	19.342	72.165	4.186	126.046		
2/19/2012 8:39	144000.001	19.343	72.175	4.176	126.036		
2/19/2012 8:54	144900.001	19.345	72.183	4.168	126.028		
2/19/2012 9:09	145800.001	19.343	72.196	4.155	126.015		
2/19/2012 9:24	146700.001	19.344	72.196	4.155	126.015		
2/19/2012 9:39	147600.001	19.343	72.191	4.16	126.02		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 9:54	148500.001	19.343	72.204	4.147	126.007		
2/19/2012 10:09	149400.001	19.343	72.207	4.144	126.004		
2/19/2012 10:24	150300.001	19.344	72.21	4.141	126.001		
2/19/2012 10:39	151200.001	19.344	72.204	4.147	126.007		
2/19/2012 10:54	152100.001	19.343	72.23	4.121	125.981		
2/19/2012 11:09	153000.001	19.343	72.217	4.134	125.994		
2/19/2012 11:24	153900.001	19.343	72.22	4.131	125.991		
2/19/2012 11:39	154800.001	19.343	72.227	4.124	125.984		
2/19/2012 11:54	155700.001	19.342	72.228	4.123	125.983		
2/19/2012 12:09	156600.001	19.346	72.213	4.138	125.998		
2/19/2012 12:24	157500.001	19.343	72.219	4.132	125.992		
2/19/2012 12:39	158400.001	19.346	72.213	4.138	125.998		
2/19/2012 12:54	159300.001	19.343	72.207	4.144	126.004		
2/19/2012 13:09	160200.001	19.346	72.205	4.146	126.006		
2/19/2012 13:24	161100.001	19.346	72.211	4.14	126		
2/19/2012 13:39	162000.001	19.345	72.202	4.149	126.009		
2/19/2012 13:54	162900.001	19.345	72.214	4.137	125.997		
2/19/2012 14:09	163800.001	19.345	72.208	4.143	126.003		
2/19/2012 14:24	164700.001	19.346	72.215	4.136	125.996		
2/19/2012 14:39	165600.001	19.346	72.212	4.139	125.999		
2/19/2012 14:54	166500.001	19.346	72.214	4.137	125.997		
2/19/2012 15:09	167400.001	19.344	72.21	4.141	126.001		
2/19/2012 15:24	168300.001	19.344	72.2	4.151	126.011		
2/19/2012 15:39	169200.001	19.346	72.204	4.147	126.007		
2/19/2012 15:54	170100.001	19.343	72.2	4.151	126.011		
2/19/2012 16:09	171000.001	19.344	72.208	4.143	126.003		
2/19/2012 16:24	171900.001	19.347	72.204	4.147	126.007		
2/19/2012 16:39	172800.001	19.347	72.211	4.14	126		
2/19/2012 16:54	173700.001	19.346	72.201	4.15	126.01		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 17:09	174600.001	19.344	72.216	4.135	125.995		
2/19/2012 17:24	175500.001	19.345	72.215	4.136	125.996		
2/19/2012 17:39	176400.001	19.345	72.217	4.134	125.994		
2/19/2012 17:54	177300.001	19.346	72.206	4.145	126.005		
2/19/2012 18:09	178200.001	19.347	72.221	4.13	125.99		
2/19/2012 18:24	179100.001	19.345	72.211	4.14	126		
2/19/2012 18:39	180000.001	19.345	72.214	4.137	125.997		
2/19/2012 18:54	180900.001	19.347	72.216	4.135	125.995		
2/19/2012 19:09	181800.001	19.346	72.223	4.128	125.988		
2/19/2012 19:24	182700.001	19.346	72.221	4.13	125.99		
2/19/2012 19:39	183600.001	19.348	72.221	4.13	125.99		
2/19/2012 19:54	184500.001	19.348	72.218	4.133	125.993		
2/19/2012 20:09	185400.001	19.345	72.228	4.123	125.983		
2/19/2012 20:24	186300.001	19.346	72.219	4.132	125.992		
2/19/2012 20:39	187200.001	19.347	72.231	4.12	125.98		
2/19/2012 20:54	188100.001	19.346	72.235	4.116	125.976		
2/19/2012 21:09	189000.001	19.348	72.243	4.108	125.968		
2/19/2012 21:24	189900.001	19.347	72.238	4.113	125.973		
2/19/2012 21:39	190800.001	19.346	72.26	4.091	125.951		
2/19/2012 21:54	191700.001	19.343	72.316	4.035	125.895		
2/19/2012 22:09	192600.001	19.347	72.326	4.025	125.885		
2/19/2012 22:24	193500.001	19.346	72.345	4.006	125.866		
2/19/2012 22:39	194400.001	19.346	72.35	4.001	125.861		
2/19/2012 22:54	195300.001	19.347	72.332	4.019	125.879		
2/19/2012 23:09	196200.001	19.346	72.343	4.008	125.868		
2/19/2012 23:24	197100.001	19.344	72.33	4.021	125.881		
2/19/2012 23:39	198000.001	19.345	72.337	4.014	125.874		
2/19/2012 23:54	198900.001	19.348	72.33	4.021	125.881		
2/20/2012 0:09	199800.001	19.349	72.334	4.017	125.877		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 0:24	200700.001	19.347	72.325	4.026	125.886		
2/20/2012 0:39	201600.001	19.348	72.323	4.028	125.888		
2/20/2012 0:54	202500.001	19.348	72.336	4.015	125.875		
2/20/2012 1:09	203400.001	19.346	72.336	4.015	125.875		
2/20/2012 1:24	204300.001	19.348	72.34	4.011	125.871		
2/20/2012 1:39	205200.001	19.346	72.342	4.009	125.869		
2/20/2012 1:54	206100.001	19.348	72.334	4.017	125.877		
2/20/2012 2:09	207000.001	19.347	72.331	4.02	125.88		
2/20/2012 2:24	207900.001	19.348	72.314	4.037	125.897		
2/20/2012 2:39	208800.001	19.35	72.315	4.036	125.896		
2/20/2012 2:54	209700.001	19.348	72.308	4.043	125.903		
2/20/2012 3:09	210600.001	19.346	72.299	4.052	125.912		
2/20/2012 3:24	211500.001	19.348	72.309	4.042	125.902		
2/20/2012 3:39	212400.001	19.349	72.31	4.041	125.901		
2/20/2012 3:54	213300.001	19.35	72.283	4.068	125.928		
2/20/2012 4:09	214200.001	19.346	72.273	4.078	125.938		
2/20/2012 4:24	215100.001	19.346	72.283	4.068	125.928		
2/20/2012 4:39	216000.001	19.349	72.281	4.07	125.93		
2/20/2012 4:54	216900.001	19.348	72.275	4.076	125.936		
2/20/2012 5:09	217800.001	19.347	72.286	4.065	125.925		
2/20/2012 5:24	218700.001	19.347	72.263	4.088	125.948		
2/20/2012 5:39	219600.001	19.348	72.272	4.079	125.939		
2/20/2012 5:54	220500.001	19.348	72.273	4.078	125.938		
2/20/2012 6:09	221400.001	19.349	72.272	4.079	125.939		
2/20/2012 6:24	222300.001	19.349	72.27	4.081	125.941		
2/20/2012 6:39	223200.001	19.346	72.267	4.084	125.944		
2/20/2012 6:54	224100.001	19.35	72.281	4.07	125.93		
2/20/2012 7:09	225000.001	19.348	72.28	4.071	125.931		
2/20/2012 7:24	225900.001	19.347	72.314	4.037	125.897		

Table D-4

MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 7:39	226800.001	19.348	72.304	4.047	125.907		
2/20/2012 7:54	227700.001	19.348	72.319	4.032	125.892		
2/20/2012 8:09	228600.001	19.349	72.336	4.015	125.875		
2/20/2012 8:24	229500.001	19.348	72.33	4.021	125.881		
2/20/2012 8:39	230400.001	19.349	72.339	4.012	125.872		
2/20/2012 8:54	231300.001	19.348	72.349	4.002	125.862		
2/20/2012 9:09	232200.001	19.348	72.353	3.998	125.858		
2/20/2012 9:24	233100.001	19.35	72.363	3.988	125.848		
2/20/2012 9:39	234000.001	19.349	72.362	3.989	125.849		
2/20/2012 9:54	234900.001	19.35	72.362	3.989	125.849		
2/20/2012 10:09	235800.001	19.346	72.364	3.987	125.847		
2/20/2012 10:24	236700.001	19.352	72.361	3.99	125.85		
2/20/2012 10:39	237600.001	19.35	72.373	3.978	125.838		
2/20/2012 10:54	238500.001	19.347	72.38	3.971	125.831		
2/20/2012 11:09	239400.001	19.348	72.389	3.962	125.822		
2/20/2012 11:24	240300.001	19.349	72.381	3.97	125.83		
2/20/2012 11:39	241200.001	19.348	72.391	3.96	125.82		
2/20/2012 11:54	242100.001	19.348	72.387	3.964	125.824		
2/20/2012 12:09	243000.001	19.347	72.387	3.964	125.824		
2/20/2012 12:24	243900.001	19.347	72.366	3.985	125.845		
2/20/2012 12:39	244800.001	19.351	72.384	3.967	125.827		
2/20/2012 12:54	245700.001	19.348	72.384	3.967	125.827		
2/20/2012 13:14					125.8	125.8	
2/20/2012 13:09	246600.001	19.355	72.39	3.961	125.821		
2/20/2012 13:24	247500.001	19.341	72.397	3.954	125.814		
2/20/2012 13:39	248400.001	19.347	72.401	3.95	125.81		
2/20/2012 13:54	249300.001	19.346	72.392	3.959	125.819		
2/20/2012 14:09	250200.001	19.349	72.386	3.965	125.825		
2/20/2012 14:24	251100.001	19.351	72.397	3.954	125.814		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 14:39	252000.001	19.348	72.394	3.957	125.817		
2/20/2012 14:54	252900.001	19.348	72.391	3.96	125.82		
2/20/2012 15:09	253800.001	19.347	72.388	3.963	125.823		
2/20/2012 15:24	254700.001	19.353	72.395	3.956	125.816		
2/20/2012 15:39	255600.001	19.347	72.412	3.939	125.799		
2/20/2012 15:54	256500.001	19.351	72.414	3.937	125.797		
2/20/2012 16:09	257400.001	19.352	72.41	3.941	125.801		
2/20/2012 16:24	258300.001	19.35	72.415	3.936	125.796		
2/20/2012 16:39	259200.001	19.348	72.431	3.92	125.78		
2/20/2012 16:54	260100.001	19.353	72.429	3.922	125.782		
2/20/2012 17:09	261000.001	19.349	72.448	3.903	125.763		
2/20/2012 17:24	261900.001	19.347	72.452	3.899	125.759		
2/20/2012 17:39	262800.001	19.349	72.452	3.899	125.759		
2/20/2012 17:54	263700.001	19.35	72.47	3.881	125.741		
2/20/2012 18:09	264600.001	19.351	72.484	3.867	125.727		
2/20/2012 18:24	265500.001	19.348	72.503	3.848	125.708		
2/20/2012 18:39	266400.001	19.349	72.509	3.842	125.702		
2/20/2012 18:54	267300.001	19.349	72.511	3.84	125.7		
2/20/2012 19:09	268200.001	19.35	72.52	3.831	125.691		
2/20/2012 19:24	269100.001	19.351	72.529	3.822	125.682		
2/20/2012 19:39	270000.001	19.351	72.525	3.826	125.686		
2/20/2012 19:54	270900.001	19.35	72.543	3.808	125.668		
2/20/2012 20:09	271800.001	19.352	72.554	3.797	125.657		
2/20/2012 20:24	272700.001	19.351	72.567	3.784	125.644		
2/20/2012 20:39	273600.001	19.352	72.571	3.78	125.64		
2/20/2012 20:54	274500.001	19.35	72.574	3.777	125.637		
2/20/2012 21:09	275400.001	19.348	72.587	3.764	125.624		
2/20/2012 21:24	276300.001	19.353	72.588	3.763	125.623		
2/20/2012 21:39	277200.001	19.353	72.605	3.746	125.606		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 21:54	278100.001	19.349	72.615	3.736	125.596		
2/20/2012 22:09	279000.001	19.352	72.619	3.732	125.592		
2/20/2012 22:24	279900.001	19.35	72.616	3.735	125.595		
2/20/2012 22:39	280800.001	19.35	72.612	3.739	125.599		
2/20/2012 22:54	281700.001	19.351	72.621	3.73	125.59		
2/20/2012 23:09	282600.001	19.351	72.607	3.744	125.604		
2/20/2012 23:24	283500.001	19.352	72.615	3.736	125.596		
2/20/2012 23:39	284400.001	19.352	72.605	3.746	125.606		
2/20/2012 23:54	285300.001	19.352	72.609	3.742	125.602		
2/21/2012 0:09	286200.001	19.35	72.587	3.764	125.624		
2/21/2012 0:24	287100.001	19.351	72.578	3.773	125.633		
2/21/2012 0:39	288000.001	19.349	72.594	3.757	125.617		
2/21/2012 0:54	288900.001	19.35	72.607	3.744	125.604		
2/21/2012 1:09	289800.001	19.349	72.665	3.686	125.546		
2/21/2012 1:24	290700.001	19.349	72.645	3.706	125.566		
2/21/2012 1:39	291600.001	19.352	72.658	3.693	125.553		
2/21/2012 1:54	292500.001	19.354	72.665	3.686	125.546		
2/21/2012 2:09	293400.001	19.351	72.661	3.69	125.55		
2/21/2012 2:24	294300.001	19.35	72.661	3.69	125.55		
2/21/2012 2:39	295200.001	19.349	72.662	3.689	125.549		
2/21/2012 2:54	296100.001	19.352	72.662	3.689	125.549		
2/21/2012 3:09	297000.001	19.352	72.65	3.701	125.561		
2/21/2012 3:24	297900.001	19.35	72.655	3.696	125.556		
2/21/2012 3:39	298800.001	19.35	72.673	3.678	125.538		
2/21/2012 3:54	299700.001	19.352	72.677	3.674	125.534		
2/21/2012 4:09	300600.001	19.35	72.681	3.67	125.53		
2/21/2012 4:24	301500.001	19.35	72.683	3.668	125.528		
2/21/2012 4:39	302400.001	19.351	72.691	3.66	125.52		
2/21/2012 4:54	303300.001	19.35	72.695	3.656	125.516		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 5:09	304200.001	19.351	72.719	3.632	125.492		
2/21/2012 5:24	305100.001	19.352	72.718	3.633	125.493		
2/21/2012 5:39	306000.001	19.353	72.706	3.645	125.505		
2/21/2012 5:54	306900.001	19.35	72.726	3.625	125.485		
2/21/2012 6:09	307800.001	19.352	72.725	3.626	125.486		
2/21/2012 6:24	308700.001	19.349	72.726	3.625	125.485		
2/21/2012 6:39	309600.001	19.354	72.727	3.624	125.484		
2/21/2012 6:54	310500.001	19.351	72.733	3.618	125.478		
2/21/2012 7:09	311400.001	19.353	72.743	3.608	125.468		
2/21/2012 7:24	312300.001	19.351	72.75	3.601	125.461		
2/21/2012 7:39	313200.001	19.35	72.755	3.596	125.456		
2/21/2012 7:54	314100.001	19.354	72.749	3.602	125.462		
2/21/2012 8:09	315000.001	19.353	72.758	3.593	125.453		
2/21/2012 8:24	315900.001	19.352	72.756	3.595	125.455		
2/21/2012 8:39	316800.001	19.351	72.767	3.584	125.444		
2/21/2012 8:54	317700.001	19.352	72.777	3.574	125.434		
2/21/2012 9:09	318600.001	19.352	72.774	3.577	125.437		
2/21/2012 9:24	319500.001	19.35	72.775	3.576	125.436		
2/21/2012 9:39	320400.001	19.351	72.792	3.559	125.419		
2/21/2012 9:54	321300.001	19.354	72.805	3.546	125.406		
2/21/2012 10:09	322200.001	19.353	72.802	3.549	125.409		
2/21/2012 10:24	323100.001	19.352	72.805	3.546	125.406		
2/21/2012 10:39	324000.001	19.352	72.812	3.539	125.399		
2/21/2012 10:54	324900.001	19.35	72.81	3.541	125.401		
2/21/2012 11:09	325800.001	19.351	72.824	3.527	125.387		
2/21/2012 11:24	326700.001	19.354	72.826	3.525	125.385		
2/21/2012 11:39	327600.001	19.352	72.808	3.543	125.403		
2/21/2012 11:54	328500.001	19.352	72.808	3.543	125.403		
2/21/2012 12:09	329400.001	19.349	72.808	3.543	125.403		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 12:24	330300.001	19.354	72.81	3.541	125.401		
2/21/2012 12:39	331200.001	19.356	72.793	3.558	125.418		
2/21/2012 12:54	332100.001	19.353	72.799	3.552	125.412		
2/21/2012 13:09	333000.001	19.352	72.803	3.548	125.408		
2/21/2012 13:24	333900.001	19.355	72.794	3.557	125.417		
2/21/2012 13:39	334800.001	19.353	72.797	3.554	125.414		
2/21/2012 13:54	335700.001	19.353	72.804	3.547	125.407		
2/21/2012 14:09	336600.001	19.354	72.804	3.547	125.407		
2/21/2012 14:24	337500.001	19.351	72.802	3.549	125.409		
2/21/2012 14:39	338400.001	19.351	72.802	3.549	125.409		
2/21/2012 14:54	339300.001	19.354	72.813	3.538	125.398		
2/21/2012 15:09	340200.001	19.352	72.797	3.554	125.414		
2/21/2012 15:24	341100.001	19.354	72.814	3.537	125.397		
2/21/2012 15:39	342000.001	19.353	72.812	3.539	125.399		
2/21/2012 15:54	342900.001	19.355	72.817	3.534	125.394		
2/21/2012 16:09	343800.001	19.353	72.81	3.541	125.401		
2/21/2012 16:24	344700.001	19.351	72.814	3.537	125.397		
2/21/2012 16:39	345600.001	19.354	72.823	3.528	125.388		
2/21/2012 16:54	346500.001	19.355	72.829	3.522	125.382		
2/21/2012 17:09	347400.001	19.355	72.85	3.501	125.361		
2/21/2012 17:24	348300.001	19.352	72.851	3.5	125.36		
2/21/2012 17:39	349200.001	19.354	72.85	3.501	125.361		
2/21/2012 17:54	350100.001	19.354	72.827	3.524	125.384		
2/21/2012 18:09	351000.001	19.355	72.831	3.52	125.38		
2/21/2012 18:24	351900.001	19.353	72.83	3.521	125.381		
2/21/2012 18:39	352800.001	19.354	72.82	3.531	125.391		
2/21/2012 18:54	353700.001	19.354	72.819	3.532	125.392		
2/21/2012 19:09	354600.001	19.354	72.833	3.518	125.378		
2/21/2012 19:24	355500.001	19.354	72.835	3.516	125.376		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 19:39	356400.001	19.353	72.839	3.512	125.372		
2/21/2012 19:54	357300.001	19.354	72.838	3.513	125.373		
2/21/2012 20:09	358200.001	19.355	72.85	3.501	125.361		
2/21/2012 20:24	359100.001	19.354	72.844	3.507	125.367		
2/21/2012 20:39	360000.001	19.355	72.848	3.503	125.363		
2/21/2012 20:54	360900.001	19.354	72.869	3.482	125.342		
2/21/2012 21:09	361800.001	19.354	72.873	3.478	125.338		
2/21/2012 21:24	362700.001	19.352	72.895	3.456	125.316		
2/21/2012 21:39	363600.001	19.354	73.117	3.234	125.094		
2/21/2012 21:54	364500.001	19.354	74.774	1.577	123.437		
2/21/2012 22:09	365400.001	19.351	76.773	-0.422	121.438		
2/21/2012 22:24	366300.001	19.349	78.62	-2.269	119.591		
2/21/2012 22:39	367200.001	19.344	80.215	-3.864	117.996		
2/21/2012 22:54	368100.001	19.342	81.877	-5.526	116.334		
2/21/2012 23:09	369000.001	19.342	83.242	-6.891	114.969		
2/21/2012 23:24	369900.001	19.34	84.217	-7.866	113.994		
2/21/2012 23:39	370800.001	19.345	84.813	-8.462	113.398		
2/21/2012 23:54	371700.001	19.347	85.279	-8.928	112.932		
2/22/2012 0:09	372600.001	19.348	85.619	-9.268	112.592		
2/22/2012 0:24	373500.001	19.351	85.908	-9.557	112.303		
2/22/2012 0:39	374400.001	19.352	86.124	-9.773	112.087		
2/22/2012 0:54	375300.001	19.356	86.308	-9.957	111.903		
2/22/2012 1:09	376200.001	19.358	86.462	-10.111	111.749		
2/22/2012 1:24	377100.001	19.357	86.6	-10.249	111.611		
2/22/2012 1:39	378000.001	19.357	86.695	-10.344	111.516		
2/22/2012 1:54	378900.001	19.36	86.799	-10.448	111.412		
2/22/2012 2:09	379800.001	19.362	86.882	-10.531	111.329		
2/22/2012 2:24	380700.001	19.363	86.949	-10.598	111.262		
2/22/2012 2:39	381600.001	19.365	87.013	-10.662	111.198		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 2:54	382500.001	19.367	87.063	-10.712	111.148		
2/22/2012 3:09	383400.001	19.365	87.14	-10.789	111.071		
2/22/2012 3:24	384300.001	19.365	87.177	-10.826	111.034		
2/22/2012 3:39	385200.001	19.367	87.236	-10.885	110.975		
2/22/2012 3:54	386100.001	19.371	87.265	-10.914	110.946		
2/22/2012 4:09	387000.001	19.37	87.306	-10.955	110.905		
2/22/2012 4:24	387900.001	19.368	87.349	-10.998	110.862		
2/22/2012 4:39	388800.001	19.37	87.38	-11.029	110.831		
2/22/2012 4:54	389700.001	19.37	87.412	-11.061	110.799		
2/22/2012 5:09	390600.001	19.369	87.441	-11.09	110.77		
2/22/2012 5:24	391500.001	19.371	87.458	-11.107	110.753		
2/22/2012 5:39	392400.001	19.371	87.5	-11.149	110.711		
2/22/2012 5:54	393300.001	19.373	87.532	-11.181	110.679		
2/22/2012 6:09	394200.001	19.371	87.549	-11.198	110.662		
2/22/2012 6:24	395100.001	19.371	87.585	-11.234	110.626		
2/22/2012 6:39	396000.001	19.372	87.605	-11.254	110.606		
2/22/2012 6:54	396900.001	19.374	87.63	-11.279	110.581		
2/22/2012 7:09	397800.001	19.371	87.654	-11.303	110.557		
2/22/2012 7:24	398700.001	19.374	87.687	-11.336	110.524		
2/22/2012 7:39	399600.001	19.375	87.701	-11.35	110.51		
2/22/2012 7:54	400500.001	19.373	87.724	-11.373	110.487		
2/22/2012 8:09	401400.001	19.372	87.731	-11.38	110.48		
2/22/2012 8:24	402300.001	19.372	87.755	-11.404	110.456		
2/22/2012 8:39	403200.001	19.372	87.764	-11.413	110.447		
2/22/2012 8:54	404100.001	19.374	87.782	-11.431	110.429		
2/22/2012 9:09	405000.001	19.374	87.805	-11.454	110.406		
2/22/2012 9:24	405900.001	19.374	87.808	-11.457	110.403		
2/22/2012 9:39	406800.001	19.371	87.825	-11.474	110.386		
2/22/2012 9:54	407700.001	19.374	87.845	-11.494	110.366		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 10:09	408600.001	19.372	87.835	-11.484	110.376		
2/22/2012 10:24	409500.001	19.372	87.845	-11.494	110.366		
2/22/2012 10:39	410400.001	19.374	87.852	-11.501	110.359		
2/22/2012 10:54	411300.001	19.37	87.858	-11.507	110.353		
2/22/2012 11:09	412200.001	19.371	87.863	-11.512	110.348		
2/22/2012 11:24	413100.001	19.374	87.877	-11.526	110.334		
2/22/2012 11:39	414000.001	19.374	87.878	-11.527	110.333		
2/22/2012 11:54	414900.001	19.374	87.877	-11.526	110.334		
2/22/2012 12:09	415800.001	19.375	87.871	-11.52	110.34		
2/22/2012 12:24	416700.001	19.373	87.884	-11.533	110.327		
2/22/2012 12:39	417600.001	19.373	87.87	-11.519	110.341		
2/22/2012 12:54	418500.001	19.373	87.884	-11.533	110.327		
2/22/2012 13:09	419400.001	19.375	87.87	-11.519	110.341		
2/22/2012 13:24	420300.001	19.376	87.869	-11.518	110.342		
2/22/2012 13:39	421200.001	19.373	87.881	-11.53	110.33		
2/22/2012 13:54	422100.001	19.371	87.881	-11.53	110.33		
2/22/2012 14:09	423000.001	19.375	87.872	-11.521	110.339		
2/22/2012 14:24	423900.001	19.374	87.871	-11.52	110.34		
2/22/2012 14:39	424800.001	19.373	87.886	-11.535	110.325		
2/22/2012 14:54	425700.001	19.374	87.881	-11.53	110.33		
2/22/2012 15:09	426600.001	19.373	87.878	-11.527	110.333		
2/22/2012 15:24	427500.001	19.374	87.882	-11.531	110.329		
2/22/2012 15:39	428400.001	19.373	87.887	-11.536	110.324		
2/22/2012 15:54	429300.001	19.372	87.888	-11.537	110.323		
2/22/2012 16:09	430200.001	19.371	87.899	-11.548	110.312		
2/22/2012 16:24	431100.001	19.373	87.89	-11.539	110.321		
2/22/2012 16:39	432000.001	19.373	87.905	-11.554	110.306		
2/22/2012 16:54	432900.001	19.374	87.901	-11.55	110.31		
2/22/2012 17:09	433800.001	19.372	87.901	-11.55	110.31		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 17:24	434700.001	19.373	87.904	-11.553	110.307		
2/22/2012 17:39	435600.001	19.375	87.914	-11.563	110.297		
2/22/2012 17:54	436500.001	19.374	87.917	-11.566	110.294		
2/22/2012 18:09	437400.001	19.373	87.925	-11.574	110.286		
2/22/2012 18:24	438300.001	19.373	87.93	-11.579	110.281		
2/22/2012 18:39	439200.001	19.375	87.936	-11.585	110.275		
2/22/2012 18:54	440100.001	19.376	87.937	-11.586	110.274		
2/22/2012 19:09	441000.001	19.373	87.948	-11.597	110.263		
2/22/2012 19:24	441900.001	19.378	87.939	-11.588	110.272		
2/22/2012 19:39	442800.001	19.372	87.942	-11.591	110.269		
2/22/2012 19:54	443700.001	19.373	87.95	-11.599	110.261		
2/22/2012 20:09	444600.001	19.376	87.956	-11.605	110.255		
2/22/2012 20:24	445500.001	19.373	87.964	-11.613	110.247		
2/22/2012 20:39	446400.001	19.373	87.959	-11.608	110.252		
2/22/2012 20:54	447300.001	19.377	87.954	-11.603	110.257		
2/22/2012 21:09	448200.001	19.377	87.964	-11.613	110.247		
2/22/2012 21:24	449100.001	19.375	87.967	-11.616	110.244		
2/22/2012 21:39	450000.001	19.376	87.958	-11.607	110.253		
2/22/2012 21:54	450900.001	19.375	87.968	-11.617	110.243		
2/22/2012 22:09	451800.001	19.376	87.971	-11.62	110.24		
2/22/2012 22:24	452700.001	19.377	87.983	-11.632	110.228		
2/22/2012 22:39	453600.001	19.377	87.994	-11.643	110.217		
2/22/2012 22:54	454500.001	19.376	87.984	-11.633	110.227		
2/22/2012 23:09	455400.001	19.375	87.993	-11.642	110.218		
2/22/2012 23:24	456300.001	19.375	87.985	-11.634	110.226		
2/22/2012 23:39	457200.001	19.378	88.004	-11.653	110.207		
2/22/2012 23:54	458100.001	19.379	88.001	-11.65	110.21		
2/23/2012 0:09	459000.001	19.375	88.003	-11.652	110.208		
2/23/2012 0:24	459900.001	19.377	87.998	-11.647	110.213		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 0:39	460800.001	19.377	88.01	-11.659	110.201		
2/23/2012 0:54	461700.001	19.379	88.013	-11.662	110.198		
2/23/2012 1:09	462600.001	19.378	88.014	-11.663	110.197		
2/23/2012 1:24	463500.001	19.378	88.003	-11.652	110.208		
2/23/2012 1:39	464400.001	19.382	88.009	-11.658	110.202		
2/23/2012 1:54	465300.001	19.377	88.013	-11.662	110.198		
2/23/2012 2:09	466200.001	19.378	88.015	-11.664	110.196		
2/23/2012 2:24	467100.001	19.379	88.013	-11.662	110.198		
2/23/2012 2:39	468000.001	19.378	88.018	-11.667	110.193		
2/23/2012 2:54	468900.001	19.379	88.013	-11.662	110.198		
2/23/2012 3:09	469800.001	19.38	88.014	-11.663	110.197		
2/23/2012 3:24	470700.001	19.376	88.013	-11.662	110.198		
2/23/2012 3:39	471600.001	19.378	88.013	-11.662	110.198		
2/23/2012 3:54	472500.001	19.382	88.022	-11.671	110.189		
2/23/2012 4:09	473400.001	19.38	88.021	-11.67	110.19		
2/23/2012 4:24	474300.001	19.382	88.017	-11.666	110.194		
2/23/2012 4:39	475200.001	19.378	88.022	-11.671	110.189		
2/23/2012 4:54	476100.001	19.382	88.029	-11.678	110.182		
2/23/2012 5:09	477000.001	19.382	88.027	-11.676	110.184		
2/23/2012 5:24	477900.001	19.38	88.037	-11.686	110.174		
2/23/2012 5:39	478800.001	19.384	88.031	-11.68	110.18		
2/23/2012 5:54	479700.001	19.38	88.04	-11.689	110.171		
2/23/2012 6:09	480600.001	19.379	88.041	-11.69	110.17		
2/23/2012 6:24	481500.001	19.38	88.04	-11.689	110.171		
2/23/2012 6:39	482400.001	19.381	88.053	-11.702	110.158		
2/23/2012 6:54	483300.001	19.384	88.051	-11.7	110.16		
2/23/2012 7:09	484200.001	19.38	88.065	-11.714	110.146		
2/23/2012 7:24	485100.001	19.381	88.067	-11.716	110.144		
2/23/2012 7:39	486000.001	19.38	88.066	-11.715	110.145		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 7:54	486900.001	19.381	88.07	-11.719	110.141		
2/23/2012 8:09	487800.001	19.386	88.089	-11.738	110.122		
2/23/2012 8:24	488700.001	19.382	88.093	-11.742	110.118		
2/23/2012 8:39	489600.001	19.383	88.092	-11.741	110.119		
2/23/2012 8:54	490500.001	19.385	88.1	-11.749	110.111		
2/23/2012 9:09	491400.001	19.384	88.088	-11.737	110.123		
2/23/2012 9:24	492300.001	19.412	86.25	-9.899	111.961		
2/23/2012 9:39	493200.001	19.358	84.799	-8.448	113.412		
2/23/2012 9:54	494100.001	19.35	83.74	-7.389	114.471		
2/23/2012 10:09	495000.001	19.348	82.83	-6.479	115.381		
2/23/2012 10:24	495900.001	19.346	82.143	-5.792	116.068		
2/23/2012 10:39	496800.001	19.347	81.576	-5.225	116.635		
2/23/2012 10:54	497700.001	19.349	81.138	-4.787	117.073		
2/23/2012 11:09	498600.001	19.353	80.732	-4.381	117.479		
2/23/2012 11:24	499500.001	19.354	80.098	-3.747	118.113		
2/23/2012 11:39	500400.001	19.354	79.533	-3.182	118.678		
2/23/2012 11:54	501300.001	19.353	79.046	-2.695	119.165		
2/23/2012 12:09	502200.001	19.352	78.618	-2.267	119.593		
2/23/2012 12:24	503100.001	19.352	78.316	-1.965	119.895		
2/23/2012 12:39	504000.001	19.353	77.992	-1.641	120.219		
2/23/2012 12:54	504900.001	19.354	77.864	-1.513	120.347		
2/23/2012 13:09	505800.001	19.353	79.135	-2.784	119.076		
2/23/2012 13:24	506700.001	19.351	80.562	-4.211	117.649		
2/23/2012 13:39	507600.001	19.351	81.947	-5.596	116.264		
2/23/2012 13:54	508500.001	19.344	83.577	-7.226	114.634		
2/23/2012 14:09	509400.001	19.349	84.759	-8.408	113.452		
2/23/2012 14:24	510300.001	19.351	85.49	-9.139	112.721		
2/23/2012 14:39	511200.001	19.353	85.979	-9.628	112.232		
2/23/2012 14:54	512100.001	19.355	86.364	-10.013	111.847		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 15:09	513000.001	19.357	86.639	-10.288	111.572		
2/23/2012 15:24	513900.001	19.362	86.843	-10.492	111.368		
2/23/2012 15:39	514800.001	19.364	86.992	-10.641	111.219		
2/23/2012 15:54	515700.001	19.363	87.114	-10.763	111.097		
2/23/2012 16:09	516600.001	19.366	87.221	-10.87	110.99		
2/23/2012 16:24	517500.001	19.371	87.298	-10.947	110.913		
2/23/2012 16:39	518400.001	19.367	87.364	-11.013	110.847		
2/23/2012 16:54	519300.001	19.37	87.423	-11.072	110.788		
2/23/2012 17:09	520200.001	19.374	87.48	-11.129	110.731		
2/23/2012 17:24	521100.001	19.374	87.518	-11.167	110.693		
2/23/2012 17:39	522000.001	19.373	87.575	-11.224	110.636		
2/23/2012 17:54	522900.001	19.375	87.624	-11.273	110.587		
2/23/2012 18:09	523800.001	19.374	87.66	-11.309	110.551		
2/23/2012 18:24	524700.001	19.375	87.687	-11.336	110.524		
2/23/2012 18:39	525600.001	19.374	87.72	-11.369	110.491		
2/23/2012 18:54	526500.001	19.375	87.762	-11.411	110.449		
2/23/2012 19:09	527400.001	19.375	87.78	-11.429	110.431		
2/23/2012 19:24	528300.001	19.376	87.81	-11.459	110.401		
2/23/2012 19:39	529200.001	19.376	87.832	-11.481	110.379		
2/23/2012 19:54	530100.001	19.376	87.856	-11.505	110.355		
2/23/2012 20:09	531000.001	19.377	87.89	-11.539	110.321		
2/23/2012 20:24	531900.001	19.375	87.891	-11.54	110.32		
2/23/2012 20:39	532800.001	19.375	87.919	-11.568	110.292		
2/23/2012 20:54	533700.001	19.38	87.906	-11.555	110.305		
2/23/2012 21:09	534600.001	19.379	87.948	-11.597	110.263		
2/23/2012 21:24	535500.001	19.378	87.964	-11.613	110.247		
2/23/2012 21:39	536400.001	19.377	87.985	-11.634	110.226		
2/23/2012 21:54	537300.001	19.378	87.989	-11.638	110.222		
2/23/2012 22:09	538200.001	19.381	88.001	-11.65	110.21		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 22:24	539100.001	19.381	88.019	-11.668	110.192		
2/23/2012 22:39	540000.001	19.378	88.034	-11.683	110.177		
2/23/2012 22:54	540900.001	19.377	88.032	-11.681	110.179		
2/23/2012 23:09	541800.001	19.377	88.046	-11.695	110.165		
2/23/2012 23:24	542700.001	19.38	88.068	-11.717	110.143		
2/23/2012 23:39	543600.001	19.38	88.076	-11.725	110.135		
2/23/2012 23:54	544500.001	19.381	88.099	-11.748	110.112		
2/24/2012 0:09	545400.001	19.382	88.098	-11.747	110.113		
2/24/2012 0:24	546300.001	19.382	88.111	-11.76	110.1		
2/24/2012 0:39	547200.001	19.381	88.103	-11.752	110.108		
2/24/2012 0:54	548100.001	19.384	88.123	-11.772	110.088		
2/24/2012 1:09	549000.001	19.382	88.146	-11.795	110.065		
2/24/2012 1:24	549900.001	19.382	88.15	-11.799	110.061		
2/24/2012 1:39	550800.001	19.384	88.152	-11.801	110.059		
2/24/2012 1:54	551700.001	19.384	88.166	-11.815	110.045		
2/24/2012 2:09	552600.001	19.381	88.169	-11.818	110.042		
2/24/2012 2:24	553500.001	19.381	88.177	-11.826	110.034		
2/24/2012 2:39	554400.001	19.383	88.175	-11.824	110.036		
2/24/2012 2:54	555300.001	19.382	88.186	-11.835	110.025		
2/24/2012 3:09	556200.001	19.381	88.195	-11.844	110.016		
2/24/2012 3:24	557100.001	19.384	88.208	-11.857	110.003		
2/24/2012 3:39	558000.001	19.385	88.215	-11.864	109.996		
2/24/2012 3:54	558900.001	19.384	88.22	-11.869	109.991		
2/24/2012 4:09	559800.001	19.386	88.238	-11.887	109.973		
2/24/2012 4:24	560700.001	19.387	88.238	-11.887	109.973		
2/24/2012 4:39	561600.001	19.387	88.247	-11.896	109.964		
2/24/2012 4:54	562500.001	19.385	88.254	-11.903	109.957		
2/24/2012 5:09	563400.001	19.384	88.264	-11.913	109.947		
2/24/2012 5:24	564300.001	19.383	88.27	-11.919	109.941		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 5:39	565200.001	19.387	88.287	-11.936	109.924		
2/24/2012 5:54	566100.001	19.385	88.304	-11.953	109.907		
2/24/2012 6:09	567000.001	19.387	88.313	-11.962	109.898		
2/24/2012 6:24	567900.001	19.389	88.322	-11.971	109.889		
2/24/2012 6:39	568800.001	19.387	88.33	-11.979	109.881		
2/24/2012 6:54	569700.001	19.388	88.336	-11.985	109.875		
2/24/2012 7:09	570600.001	19.387	88.341	-11.99	109.87		
2/24/2012 7:24	571500.001	19.387	88.365	-12.014	109.846		
2/24/2012 7:39	572400.001	19.389	88.373	-12.022	109.838		
2/24/2012 7:54	573300.001	19.389	88.379	-12.028	109.832		
2/24/2012 8:09	574200.001	19.388	88.38	-12.029	109.831		
2/24/2012 8:24	575100.001	19.388	88.387	-12.036	109.824		
2/24/2012 8:39	576000.001	19.39	88.392	-12.041	109.819		
2/24/2012 8:54	576900.001	19.39	88.415	-12.064	109.796		
2/24/2012 9:09	577800.001	19.387	88.409	-12.058	109.802		
2/24/2012 9:24	578700.001	19.39	88.421	-12.07	109.79		
2/24/2012 9:39	579600.001	19.391	88.416	-12.065	109.795		
2/24/2012 9:54	580500.001	19.389	88.42	-12.069	109.791		
2/24/2012 10:09	581400.001	19.389	88.421	-12.07	109.79		
2/24/2012 10:24	582300.001	19.387	88.435	-12.084	109.776		
2/24/2012 10:39	583200.001	19.39	88.425	-12.074	109.786		
2/24/2012 10:54	584100.001	19.388	88.428	-12.077	109.783		
2/24/2012 11:09	585000.001	19.388	88.436	-12.085	109.775		
2/24/2012 11:24	585900.001	19.389	88.443	-12.092	109.768		
2/24/2012 11:39	586800.001	19.392	88.432	-12.081	109.779		
2/24/2012 11:54	587700.001	19.39	88.433	-12.082	109.778		
2/24/2012 12:09	588600.001	19.388	88.429	-12.078	109.782		
2/24/2012 12:24	589500.001	19.391	88.418	-12.067	109.793		
2/24/2012 12:39	590400.001	19.39	88.414	-12.063	109.797		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 12:54	591300.001	19.393	88.41	-12.059	109.801		
2/24/2012 13:09	592200.001	19.393	88.408	-12.057	109.803		
2/24/2012 13:24	593100.001	19.391	88.407	-12.056	109.804		
2/24/2012 13:39	594000.001	19.393	88.402	-12.051	109.809		
2/24/2012 13:54	594900.001	19.392	88.4	-12.049	109.811		
2/24/2012 14:09	595800.001	19.392	88.392	-12.041	109.819		
2/24/2012 14:24	596700.001	19.392	88.391	-12.04	109.82		
2/24/2012 14:39	597600.001	19.393	88.392	-12.041	109.819		
2/24/2012 14:54	598500.001	19.391	88.385	-12.034	109.826		
2/24/2012 15:09	599400.001	19.394	88.383	-12.032	109.828		
2/24/2012 15:24	600300.001	19.394	88.375	-12.024	109.836		
2/24/2012 15:39	601200.001	19.394	88.376	-12.025	109.835		
2/24/2012 15:54	602100.001	19.393	88.38	-12.029	109.831		
2/24/2012 16:09	603000.001	19.391	88.372	-12.021	109.839		
2/24/2012 16:24	603900.001	19.398	88.377	-12.026	109.834		
2/24/2012 16:39	604800.001	19.395	88.37	-12.019	109.841		
2/24/2012 16:54	605700.001	19.393	88.368	-12.017	109.843		
2/24/2012 17:09	606600.001	19.394	88.367	-12.016	109.844		
2/24/2012 17:24	607500.001	19.394	88.378	-12.027	109.833		
2/24/2012 17:39	608400.001	19.396	88.369	-12.018	109.842		
2/24/2012 17:54	609300.001	19.396	88.369	-12.018	109.842		
2/24/2012 18:09	610200.001	19.394	88.381	-12.03	109.83		
2/24/2012 18:24	611100.001	19.396	88.384	-12.033	109.827		
2/24/2012 18:39	612000.001	19.396	88.373	-12.022	109.838		
2/24/2012 18:54	612900.001	19.394	88.392	-12.041	109.819		
2/24/2012 19:09	613800.001	19.399	88.387	-12.036	109.824		
2/24/2012 19:24	614700.001	19.394	88.385	-12.034	109.826		
2/24/2012 19:39	615600.001	19.396	88.369	-12.018	109.842		
2/24/2012 19:54	616500.001	19.396	88.384	-12.033	109.827		

Table D-4

MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 20:09	617400.001	19.395	88.382	-12.031	109.829		
2/24/2012 20:24	618300.001	19.396	88.379	-12.028	109.832		
2/24/2012 20:39	619200.001	19.398	88.389	-12.038	109.822		
2/24/2012 20:54	620100.001	19.395	88.39	-12.039	109.821		
2/24/2012 21:09	621000.001	19.398	88.398	-12.047	109.813		
2/24/2012 21:24	621900.001	19.4	88.425	-12.074	109.786		
2/24/2012 21:39	622800.001	19.396	88.398	-12.047	109.813		
2/24/2012 21:54	623700.001	19.398	88.394	-12.043	109.817		
2/24/2012 22:09	624600.001	19.4	88.398	-12.047	109.813		
2/24/2012 22:24	625500.001	19.397	88.405	-12.054	109.806		
2/24/2012 22:39	626400.001	19.399	88.397	-12.046	109.814		
2/24/2012 22:54	627300.001	19.399	88.4	-12.049	109.811		
2/24/2012 23:09	628200.001	19.4	88.41	-12.059	109.801		
2/24/2012 23:24	629100.001	19.401	88.395	-12.044	109.816		
2/24/2012 23:39	630000.001	19.399	88.407	-12.056	109.804		
2/24/2012 23:54	630900.001	19.397	88.392	-12.041	109.819		
2/25/2012 0:09	631800.001	19.398	88.387	-12.036	109.824		
2/25/2012 0:24	632700.001	19.401	88.387	-12.036	109.824		
2/25/2012 0:39	633600.001	19.397	88.384	-12.033	109.827		
2/25/2012 0:54	634500.001	19.401	88.391	-12.04	109.82		
2/25/2012 1:09	635400.001	19.4	88.391	-12.04	109.82		
2/25/2012 1:24	636300.001	19.4	88.38	-12.029	109.831		
2/25/2012 1:39	637200.001	19.402	88.383	-12.032	109.828		
2/25/2012 1:54	638100.001	19.4	88.39	-12.039	109.821		
2/25/2012 2:09	639000.001	19.4	88.377	-12.026	109.834		
2/25/2012 2:24	639900.001	19.402	88.377	-12.026	109.834		
2/25/2012 2:39	640800.001	19.401	88.375	-12.024	109.836		
2/25/2012 2:54	641700.001	19.399	88.353	-12.002	109.858		
2/25/2012 3:09	642600.001	19.398	88.323	-11.972	109.888		

Table D-4

MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/25/2012 3:24	643500.001	19.4	88.345	-11.994	109.866		
2/25/2012 3:39	644400.001	19.403	88.349	-11.998	109.862		
2/25/2012 3:54	645300.001	19.402	88.341	-11.99	109.87		
2/25/2012 4:09	646200.001	19.402	88.334	-11.983	109.877		
2/25/2012 4:24	647100.001	19.405	88.352	-12.001	109.859		
2/25/2012 4:39	648000.001	19.403	88.333	-11.982	109.878		
2/25/2012 4:54	648900.001	19.404	88.334	-11.983	109.877		
2/25/2012 5:09	649800.001	19.403	88.335	-11.984	109.876		
2/25/2012 5:24	650700.001	19.403	88.346	-11.995	109.865		
2/25/2012 5:39	651600.001	19.403	88.35	-11.999	109.861		
2/25/2012 5:54	652500.001	19.403	88.376	-12.025	109.835		
2/25/2012 6:09	653400.001	19.405	88.34	-11.989	109.871		
2/25/2012 6:24	654300.001	19.406	88.365	-12.014	109.846		
2/25/2012 6:39	655200.001	19.403	88.357	-12.006	109.854		
2/25/2012 6:54	656100.001	19.405	88.376	-12.025	109.835		
2/25/2012 7:09	657000.001	19.404	88.365	-12.014	109.846		
2/25/2012 7:24	657900.001	19.406	88.381	-12.03	109.83		
2/25/2012 7:39	658800.001	19.403	88.388	-12.037	109.823		
2/25/2012 7:54	659700.001	19.407	88.392	-12.041	109.819		
2/25/2012 8:09	660600.001	19.405	88.394	-12.043	109.817		
2/25/2012 8:24	661500.001	19.405	88.387	-12.036	109.824		
2/25/2012 8:39	662400.001	19.409	88.377	-12.026	109.834		
2/25/2012 8:54	663300.001	19.402	88.364	-12.013	109.847		
2/25/2012 9:09	664200.001	19.403	88.367	-12.016	109.844		
2/25/2012 9:24	665100.001	19.403	88.37	-12.019	109.841		
2/25/2012 9:39	666000.001	19.406	88.38	-12.029	109.831		
2/25/2012 9:54	666900.001	19.405	88.384	-12.033	109.827		
2/25/2012 10:09	667800.001	19.406	88.387	-12.036	109.824		
2/25/2012 10:24	668700.001	19.407	88.376	-12.025	109.835		

Table D-4

MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/25/2012 10:39	669600.001	19.407	88.381	-12.03	109.83		
2/25/2012 10:54	670500.001	19.406	88.386	-12.035	109.825		
2/25/2012 11:09	671400.001	19.407	88.374	-12.023	109.837		
2/25/2012 11:24	672300.001	19.406	88.371	-12.02	109.84		
2/25/2012 11:39	673200.001	19.408	88.377	-12.026	109.834		
2/25/2012 11:54	674100.001	19.407	88.354	-12.003	109.857		
2/25/2012 12:09	675000.001	19.408	88.357	-12.006	109.854		
2/25/2012 12:24	675900.001	19.409	88.353	-12.002	109.858		
2/25/2012 12:39	676800.001	19.406	88.343	-11.992	109.868		
2/25/2012 12:54	677700.001	19.404	88.337	-11.986	109.874		
2/25/2012 13:09	678600.001	19.408	88.324	-11.973	109.887		
2/25/2012 13:24	679500.001	19.406	88.319	-11.968	109.892		
2/25/2012 13:39	680400.001	19.409	88.318	-11.967	109.893		
2/25/2012 13:54	681300.001	19.407	88.325	-11.974	109.886		
2/25/2012 14:09	682200.001	19.408	88.316	-11.965	109.895		
2/25/2012 14:24	683100.001	19.409	88.316	-11.965	109.895		
2/25/2012 14:39	684000.001	19.409	88.306	-11.955	109.905		
2/25/2012 14:54	684900.001	19.41	88.327	-11.976	109.884		
2/25/2012 15:09	685800.001	19.41	88.294	-11.943	109.917		
2/25/2012 15:24	686700.001	19.407	88.292	-11.941	109.919		
2/25/2012 15:39	687600.001	19.41	88.283	-11.932	109.928		
2/25/2012 15:54	688500.001	19.406	88.274	-11.923	109.937		
2/25/2012 16:09	689400.001	19.412	88.271	-11.92	109.94		
2/25/2012 16:24	690300.001	19.412	88.276	-11.925	109.935		
2/25/2012 16:39	691200.001	19.409	88.271	-11.92	109.94		
2/25/2012 16:54	692100.001	19.411	88.272	-11.921	109.939		
2/25/2012 17:09	693000.001	19.41	88.264	-11.913	109.947		
2/25/2012 17:24	693900.001	19.41	88.269	-11.918	109.942		
2/25/2012 17:39	694800.001	19.415	88.26	-11.909	109.951		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/25/2012 17:54	695700.001	19.411	88.261	-11.91	109.95		
2/25/2012 18:09	696600.001	19.412	88.262	-11.911	109.949		
2/25/2012 18:24	697500.001	19.409	88.254	-11.903	109.957		
2/25/2012 18:39	698400.001	19.408	88.263	-11.912	109.948		
2/25/2012 18:54	699300.001	19.409	88.276	-11.925	109.935		
2/25/2012 19:09	700200.001	19.409	88.274	-11.923	109.937		
2/25/2012 19:24	701100.001	19.41	88.263	-11.912	109.948		
2/25/2012 19:39	702000.001	19.411	88.272	-11.921	109.939		
2/25/2012 19:54	702900.001	19.411	88.274	-11.923	109.937		
2/25/2012 20:09	703800.001	19.413	88.281	-11.93	109.93		
2/25/2012 20:24	704700.001	19.413	88.286	-11.935	109.925		
2/25/2012 20:39	705600.001	19.415	88.284	-11.933	109.927		
2/25/2012 20:54	706500.001	19.411	88.293	-11.942	109.918		
2/25/2012 21:09	707400.001	19.412	88.322	-11.971	109.889		
2/25/2012 21:24	708300.001	19.414	88.298	-11.947	109.913		
2/25/2012 21:39	709200.001	19.413	88.303	-11.952	109.908		
2/25/2012 21:54	710100.001	19.41	88.306	-11.955	109.905		
2/25/2012 22:09	711000.001	19.412	88.33	-11.979	109.881		
2/25/2012 22:24	711900.001	19.412	88.315	-11.964	109.896		
2/25/2012 22:39	712800.001	19.413	88.305	-11.954	109.906		
2/25/2012 22:54	713700.001	19.413	88.315	-11.964	109.896		
2/25/2012 23:09	714600.001	19.413	88.314	-11.963	109.897		
2/25/2012 23:24	715500.001	19.414	88.308	-11.957	109.903		
2/25/2012 23:39	716400.001	19.413	88.323	-11.972	109.888		
2/25/2012 23:54	717300.001	19.415	88.317	-11.966	109.894		
2/26/2012 0:09	718200.001	19.414	88.323	-11.972	109.888		
2/26/2012 0:24	719100.001	19.415	88.341	-11.99	109.87		
2/26/2012 0:39	720000.001	19.415	88.326	-11.975	109.885		
2/26/2012 0:54	720900.001	19.415	88.327	-11.976	109.884		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 1:09	721800.001	19.412	88.326	-11.975	109.885		
2/26/2012 1:24	722700.001	19.412	88.336	-11.985	109.875		
2/26/2012 1:39	723600.001	19.414	88.318	-11.967	109.893		
2/26/2012 1:54	724500.001	19.412	88.328	-11.977	109.883		
2/26/2012 2:09	725400.001	19.417	88.353	-12.002	109.858		
2/26/2012 2:24	726300.001	19.415	88.334	-11.983	109.877		
2/26/2012 2:39	727200.001	19.415	88.328	-11.977	109.883		
2/26/2012 2:54	728100.001	19.415	88.325	-11.974	109.886		
2/26/2012 3:09	729000.001	19.416	88.327	-11.976	109.884		
2/26/2012 3:24	729900.001	19.416	88.333	-11.982	109.878		
2/26/2012 3:39	730800.001	19.416	88.341	-11.99	109.87		
2/26/2012 3:54	731700.001	19.414	88.341	-11.99	109.87		
2/26/2012 4:09	732600.001	19.415	88.34	-11.989	109.871		
2/26/2012 4:24	733500.001	19.415	88.362	-12.011	109.849		
2/26/2012 4:39	734400.001	19.416	88.358	-12.007	109.853		
2/26/2012 4:54	735300.001	19.418	88.338	-11.987	109.873		
2/26/2012 5:09	736200.001	19.416	88.346	-11.995	109.865		
2/26/2012 5:24	737100.001	19.416	88.354	-12.003	109.857		
2/26/2012 5:39	738000.001	19.418	88.378	-12.027	109.833		
2/26/2012 5:54	738900.001	19.418	88.352	-12.001	109.859		
2/26/2012 6:09	739800.001	19.417	88.363	-12.012	109.848		
2/26/2012 6:24	740700.001	19.415	88.361	-12.01	109.85		
2/26/2012 6:39	741600.001	19.419	88.366	-12.015	109.845		
2/26/2012 6:54	742500.001	19.417	88.364	-12.013	109.847		
2/26/2012 7:09	743400.001	19.418	88.374	-12.023	109.837		
2/26/2012 7:24	744300.001	19.418	88.381	-12.03	109.83		
2/26/2012 7:39	745200.001	19.417	88.392	-12.041	109.819		
2/26/2012 7:54	746100.001	19.418	88.38	-12.029	109.831		
2/26/2012 8:09	747000.001	19.418	88.387	-12.036	109.824		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 8:24	747900.001	19.417	88.39	-12.039	109.821		
2/26/2012 8:39	748800.001	19.418	88.397	-12.046	109.814		
2/26/2012 8:54	749700.001	19.418	88.386	-12.035	109.825		
2/26/2012 9:09	750600.001	19.417	88.42	-12.069	109.791		
2/26/2012 9:24	751500.001	19.417	88.384	-12.033	109.827		
2/26/2012 9:39	752400.001	19.418	88.391	-12.04	109.82		
2/26/2012 9:54	753300.001	19.42	88.411	-12.06	109.8		
2/26/2012 10:09	754200.001	19.418	88.38	-12.029	109.831		
2/26/2012 10:24	755100.001	19.418	88.38	-12.029	109.831		
2/26/2012 10:39	756000.001	19.418	88.402	-12.051	109.809		
2/26/2012 10:54	756900.001	19.42	88.369	-12.018	109.842		
2/26/2012 11:09	757800.001	19.418	88.373	-12.022	109.838		
2/26/2012 11:24	758700.001	19.423	88.36	-12.009	109.851		
2/26/2012 11:39	759600.001	19.418	88.38	-12.029	109.831		
2/26/2012 11:54	760500.001	19.421	88.342	-11.991	109.869		
2/26/2012 12:09	761400.001	19.418	88.33	-11.979	109.881		
2/26/2012 12:24	762300.001	19.42	88.325	-11.974	109.886		
2/26/2012 12:39	763200.001	19.424	88.324	-11.973	109.887		
2/26/2012 12:54	764100.001	19.42	88.304	-11.953	109.907		
2/26/2012 13:09	765000.001	19.42	88.33	-11.979	109.881		
2/26/2012 13:24	765900.001	19.419	88.292	-11.941	109.919		
2/26/2012 13:39	766800.001	19.421	88.288	-11.937	109.923		
2/26/2012 13:54	767700.001	19.419	88.28	-11.929	109.931		
2/26/2012 14:09	768600.001	19.422	88.27	-11.919	109.941		
2/26/2012 14:24	769500.001	19.422	88.273	-11.922	109.938		
2/26/2012 14:39	770400.001	19.421	88.267	-11.916	109.944		
2/26/2012 14:54	771300.001	19.423	88.262	-11.911	109.949		
2/26/2012 15:09	772200.001	19.421	88.265	-11.914	109.946		
2/26/2012 15:24	773100.001	19.425	88.248	-11.897	109.963		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 15:39	774000.001	19.422	88.277	-11.926	109.934		
2/26/2012 15:54	774900.001	19.423	88.266	-11.915	109.945		
2/26/2012 16:09	775800.001	19.422	88.24	-11.889	109.971		
2/26/2012 16:24	776700.001	19.422	88.236	-11.885	109.975		
2/26/2012 16:39	777600.001	19.421	88.222	-11.871	109.989		
2/26/2012 16:54	778500.001	19.424	88.242	-11.891	109.969		
2/26/2012 17:09	779400.001	19.423	88.222	-11.871	109.989		
2/26/2012 17:24	780300.001	19.422	88.224	-11.873	109.987		
2/26/2012 17:39	781200.001	19.422	88.218	-11.867	109.993		
2/26/2012 17:54	782100.001	19.422	88.206	-11.855	110.005		
2/26/2012 18:09	783000.001	19.421	88.231	-11.88	109.98		
2/26/2012 18:24	783900.001	19.423	88.204	-11.853	110.007		
2/26/2012 18:39	784800.001	19.423	88.207	-11.856	110.004		
2/26/2012 18:54	785700.001	19.422	88.192	-11.841	110.019		
2/26/2012 19:09	786600.001	19.422	88.208	-11.857	110.003		
2/26/2012 19:24	787500.001	19.423	88.224	-11.873	109.987		
2/26/2012 19:39	788400.001	19.423	88.188	-11.837	110.023		
2/26/2012 19:54	789300.001	19.423	88.201	-11.85	110.01		
2/26/2012 20:09	790200.001	19.425	88.199	-11.848	110.012		
2/26/2012 20:24	791100.001	19.423	88.209	-11.858	110.002		
2/26/2012 20:39	792000.001	19.424	88.204	-11.853	110.007		
2/26/2012 20:54	792900.001	19.426	88.207	-11.856	110.004		
2/26/2012 21:09	793800.001	19.425	88.194	-11.843	110.017		
2/26/2012 21:24	794700.001	19.425	88.19	-11.839	110.021		
2/26/2012 21:39	795600.001	19.425	88.223	-11.872	109.988		
2/26/2012 21:54	796500.001	19.423	88.197	-11.846	110.014		
2/26/2012 22:09	797400.001	19.424	88.186	-11.835	110.025		
2/26/2012 22:24	798300.001	19.422	88.183	-11.832	110.028		
2/26/2012 22:39	799200.001	19.424	88.191	-11.84	110.02		

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MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 22:54	800100.001	19.426	88.181	-11.83	110.03		
2/26/2012 23:09	801000.001	19.423	88.199	-11.848	110.012		
2/26/2012 23:24	801900.001	19.424	88.195	-11.844	110.016		
2/26/2012 23:39	802800.001	19.425	88.174	-11.823	110.037		
2/26/2012 23:54	803700.001	19.424	88.167	-11.816	110.044		
2/27/2012 0:09	804600.001	19.425	88.167	-11.816	110.044		
2/27/2012 0:24	805500.001	19.427	88.169	-11.818	110.042		
2/27/2012 0:39	806400.001	19.424	88.176	-11.825	110.035		
2/27/2012 0:54	807300.001	19.427	88.155	-11.804	110.056		
2/27/2012 1:09	808200.001	19.427	88.148	-11.797	110.063		
2/27/2012 1:24	809100.001	19.428	88.154	-11.803	110.057		
2/27/2012 1:39	810000.001	19.427	88.151	-11.8	110.06		
2/27/2012 1:54	810900.001	19.428	88.14	-11.789	110.071		
2/27/2012 2:09	811800.001	19.429	88.154	-11.803	110.057		
2/27/2012 2:24	812700.001	19.429	88.143	-11.792	110.068		
2/27/2012 2:39	813600.001	19.426	88.155	-11.804	110.056		
2/27/2012 2:54	814500.001	19.426	88.124	-11.773	110.087		
2/27/2012 3:09	815400.001	19.427	88.135	-11.784	110.076		
2/27/2012 3:24	816300.001	19.429	88.147	-11.796	110.064		
2/27/2012 3:39	817200.001	19.428	88.113	-11.762	110.098		
2/27/2012 3:54	818100.001	19.428	88.114	-11.763	110.097		
2/27/2012 4:09	819000.001	19.427	88.132	-11.781	110.079		
2/27/2012 4:24	819900.001	19.429	88.134	-11.783	110.077		
2/27/2012 4:39	820800.001	19.426	88.15	-11.799	110.061		
2/27/2012 4:54	821700.001	19.428	88.142	-11.791	110.069		
2/27/2012 5:09	822600.001	19.429	88.129	-11.778	110.082		
2/27/2012 5:24	823500.001	19.429	88.145	-11.794	110.066		
2/27/2012 5:39	824400.001	19.428	88.165	-11.814	110.046		
2/27/2012 5:54	825300.001	19.427	88.158	-11.807	110.053		

Table D-4

MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/27/2012 6:09	826200.001	19.429	88.17	-11.819	110.041		
2/27/2012 6:24	827100.001	19.429	88.154	-11.803	110.057		
2/27/2012 6:39	828000.001	19.43	88.166	-11.815	110.045		
2/27/2012 6:54	828900.001	19.43	88.18	-11.829	110.031		
2/27/2012 7:09	829800.001	19.429	88.163	-11.812	110.048		
2/27/2012 7:24	830700.001	19.428	88.204	-11.853	110.007		
2/27/2012 7:39	831600.001	19.431	88.169	-11.818	110.042		
2/27/2012 7:54	832500.001	19.428	88.19	-11.839	110.021		
2/27/2012 8:09	833400.001	19.43	88.185	-11.834	110.026		
2/27/2012 8:24	834300.001	19.429	88.216	-11.865	109.995		
2/27/2012 8:39	835200.001	19.432	88.214	-11.863	109.997		
2/27/2012 8:54	836100.001	19.43	88.186	-11.835	110.025		
2/27/2012 9:09	837000.001	19.431	88.187	-11.836	110.024		
2/27/2012 9:24	837900.001	19.429	88.208	-11.857	110.003		
2/27/2012 9:39	838800.001	19.43	88.208	-11.857	110.003		
2/27/2012 9:54	839700.001	19.431	88.203	-11.852	110.008		
2/27/2012 10:09	840600.001	19.43	88.182	-11.831	110.029		
2/27/2012 10:24	841500.001	19.429	88.191	-11.84	110.02		
2/27/2012 10:39	842400.001	19.432	88.188	-11.837	110.023		
2/27/2012 10:54	843300.001	19.432	88.201	-11.85	110.01		
2/27/2012 11:09	844200.001	19.427	88.177	-11.826	110.034		
2/27/2012 11:24	845100.001	19.432	88.195	-11.844	110.016		
2/27/2012 11:39	846000.001	19.428	88.165	-11.814	110.046		
2/27/2012 11:54	846900.001	19.434	88.152	-11.801	110.059		
2/27/2012 12:09	847800.001	19.431	88.168	-11.817	110.043		
2/27/2012 12:24	848700.001	19.432	88.149	-11.798	110.062		
2/27/2012 12:39	849600.001	19.431	88.145	-11.794	110.066		
2/27/2012 12:54	850500.001	19.43	88.137	-11.786	110.074		
2/27/2012 13:09	851400.001	19.433	88.16	-11.809	110.051		

Table D-4

MW-2 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW-DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/27/2012 13:24	852300.001	19.433	88.129	-11.778	110.082		
2/27/2012 13:39	853200.001	19.432	88.155	-11.804	110.056		
2/27/2012 13:54	854100.001	19.433	88.14	-11.789	110.071		
2/27/2012 14:09	855000.001	19.43	88.143	-11.792	110.068		
2/27/2012 14:24	855900.001	19.433	88.118	-11.767	110.093		

Table D-5

MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Manual Measurement (ft btoc)	Comments
2/13/2012 15:00	-331200	18.929	65.703	0	131.25	131.25	DEPLOYED
2/13/2012 16:00	-327600	18.978	65.669	0.034	131.284		
2/13/2012 17:00	-324000	19.004	65.625	0.078	131.328		
2/13/2012 18:00	-320400	19.03	65.63	0.073	131.323		
2/13/2012 19:00	-316800	19.043	65.639	0.064	131.314		
2/13/2012 20:00	-313200	19.058	65.632	0.071	131.321		
2/13/2012 21:00	-309600	19.067	65.624	0.079	131.329		
2/13/2012 22:00	-306000	19.079	65.658	0.045	131.295		
2/13/2012 23:00	-302400	19.087	65.657	0.046	131.296		
2/14/2012 0:00	-298800	19.095	65.644	0.059	131.309		
2/14/2012 1:00	-295200	19.105	65.637	0.066	131.316		
2/14/2012 2:00	-291600	19.111	65.644	0.059	131.309		
2/14/2012 3:00	-288000	19.113	65.651	0.052	131.302		
2/14/2012 4:00	-284400	19.121	65.648	0.055	131.305		
2/14/2012 5:00	-280800	19.123	65.636	0.067	131.317		
2/14/2012 6:00	-277200	19.127	65.634	0.069	131.319		
2/14/2012 7:00	-273600	19.132	65.63	0.073	131.323		
2/14/2012 8:00	-270000	19.136	65.63	0.073	131.323		
2/14/2012 9:00	-266400	19.139	65.624	0.079	131.329		
2/14/2012 10:00	-262800	19.14	65.627	0.076	131.326		
2/14/2012 11:00	-259200	19.143	65.639	0.064	131.314		
2/14/2012 12:00	-255600	19.142	65.63	0.073	131.323		
2/14/2012 13:00	-252000	19.147	65.643	0.06	131.31		
2/14/2012 14:00	-248400	19.15	65.65	0.053	131.303		
2/14/2012 15:00	-244800	19.151	65.636	0.067	131.317		
2/14/2012 16:00	-241200	19.153	65.634	0.069	131.319		
2/14/2012 17:00	-237600	19.154	65.643	0.06	131.31		
2/14/2012 18:00	-234000	19.155	65.624	0.079	131.329		

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/14/2012 19:00	-230400	19.155	65.649	0.054	131.304		
2/14/2012 20:00	-226800	19.162	65.628	0.075	131.325		
2/14/2012 21:00	-223200	19.16	65.626	0.077	131.327		
2/14/2012 22:00	-219600	19.162	65.646	0.057	131.307		
2/14/2012 23:00	-216000	19.165	65.658	0.045	131.295		
2/15/2012 0:00	-212400	19.164	65.645	0.058	131.308		
2/15/2012 1:00	-208800	19.165	65.657	0.046	131.296		
2/15/2012 2:00	-205200	19.167	65.652	0.051	131.301		
2/15/2012 3:00	-201600	19.169	65.66	0.043	131.293		
2/15/2012 4:00	-198000	19.171	65.658	0.045	131.295		
2/15/2012 5:00	-194400	19.17	65.675	0.028	131.278		
2/15/2012 6:00	-190800	19.172	65.656	0.047	131.297		
2/15/2012 7:00	-187200	19.171	65.649	0.054	131.304		
2/15/2012 8:00	-183600	19.172	65.627	0.076	131.326		
2/15/2012 9:00	-180000	19.172	65.657	0.046	131.296		
2/15/2012 10:00	-176400	19.173	65.632	0.071	131.321		
2/15/2012 11:00	-172800	19.175	65.648	0.055	131.305		
2/15/2012 12:00	-169200	19.176	65.659	0.044	131.294		
2/15/2012 13:00	-165600	19.177	65.653	0.05	131.3		
2/15/2012 14:00	-162000	19.177	65.622	0.081	131.331		
2/15/2012 15:00	-158400	19.18	65.732	-0.029	131.221	Level TROLL lowered- ~0.1 feet (well dock)	
2/15/2012 16:00	-154800	19.181	65.733	-0.03	131.22		
2/15/2012 17:00	-151200	19.179	65.732	-0.029	131.221		
2/15/2012 18:00	-147600	19.182	65.733	-0.03	131.22		
2/15/2012 19:00	-144000	19.181	65.736	-0.033	131.217		
2/15/2012 20:00	-140400	19.182	65.7	0.003	131.253		
2/15/2012 21:00	-136800	19.181	65.712	-0.009	131.241		
2/15/2012 22:00	-133200	19.185	65.725	-0.022	131.228		
2/15/2012 23:00	-129600	19.182	65.717	-0.014	131.236		
2/16/2012 0:00	-126000	19.181	65.715	-0.012	131.238		
2/16/2012 1:00	-122400	19.18	65.729	-0.026	131.224		

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/16/2012 2:00	-118800	19.184	65.722	-0.019	131.231	
2/16/2012 3:00	-115200	19.183	65.734	-0.031	131.219	
2/16/2012 4:00	-111600	19.183	65.734	-0.031	131.219	
2/16/2012 5:00	-108000	19.182	65.728	-0.025	131.225	
2/16/2012 6:00	-104400	19.187	65.718	-0.015	131.235	
2/16/2012 7:00	-100800	19.184	65.723	-0.02	131.23	
2/16/2012 8:00	-97200	19.185	65.695	0.008	131.258	
2/16/2012 9:00	-93600	19.186	65.709	-0.006	131.244	
2/16/2012 10:00	-90000	19.186	65.722	-0.019	131.231	
2/16/2012 11:00	-86400	19.186	65.74	-0.037	131.213	
2/16/2012 12:00	-82800	19.188	65.722	-0.019	131.231	
2/16/2012 13:00	-79200	19.186	65.74	-0.037	131.213	
2/16/2012 14:00	-75600	19.189	65.74	-0.037	131.213	
2/16/2012 15:00	-72000	19.188	65.766	-0.063	131.187	
2/16/2012 16:00	-68400	19.186	65.735	-0.032	131.218	
2/16/2012 17:00	-64800	19.184	65.226	0.477	131.727	
2/16/2012 18:00	-61200	19.19	65.619	0.084	131.334	
2/16/2012 19:00	-57600	19.184	65.655	0.048	131.298	
2/16/2012 20:00	-54000	19.188	65.665	0.038	131.288	
2/16/2012 21:00	-50400	19.189	65.673	0.03	131.28	
2/16/2012 22:00	-46800	19.187	65.696	0.007	131.257	
2/16/2012 23:00	-43200	19.188	65.7	0.003	131.253	
2/17/2012 0:00	-39600	19.188	65.703	0	131.25	
2/17/2012 1:00	-36000	19.19	65.707	-0.004	131.246	
2/17/2012 2:00	-32400	19.19	65.72	-0.017	131.233	
2/17/2012 3:00	-28800	19.189	65.715	-0.012	131.238	
2/17/2012 4:00	-25200	19.191	65.719	-0.016	131.234	
2/17/2012 5:00	-21600	19.19	65.715	-0.012	131.238	
2/17/2012 6:00	-18000	19.192	65.715	-0.012	131.238	
2/17/2012 7:00	-14400	19.191	65.713	-0.01	131.24	
2/17/2012 8:00	-10800	19.191	65.709	-0.006	131.244	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/17/2012 9:00	-7200	19.191	65.712	-0.009	131.241	131.22	
2/17/2012 10:30	-1800	19.175	69.148	0	131.29	131.29	
2/17/2012 10:45	-900	19.175	69.175	-0.027	131.263		
2/17/2012 11:00	0	19.175	69.17	-0.022	131.268		Start of Aquifer Test ~1104
2/17/2012 11:15	900	19.176	69.147	0.001	131.291		
2/17/2012 11:30	1800	19.174	69.073	0.075	131.365		
2/17/2012 11:45	2700	19.175	68.965	0.183	131.473		
2/17/2012 12:00	3600	19.175	68.904	0.244	131.534		
2/17/2012 12:15	4500	19.176	68.844	0.304	131.594		
2/17/2012 12:30	5400	19.173	68.815	0.333	131.623		
2/17/2012 12:45	6300	19.174	68.785	0.363	131.653		
2/17/2012 13:00	7200	19.172	68.783	0.365	131.655		
2/17/2012 13:15	8100	19.17	68.747	0.401	131.691		
2/17/2012 13:30	9000	19.17	68.737	0.411	131.701		
2/17/2012 13:45	9900	19.163	68.716	0.432	131.722		
2/17/2012 14:00	10800	19.162	68.696	0.452	131.742		
2/17/2012 14:15	11700	19.16	68.659	0.489	131.779		
2/17/2012 14:30	12600	19.157	68.644	0.504	131.794		
2/17/2012 14:45	13500	19.15	68.634	0.514	131.804		
2/17/2012 15:00	14400	19.115	68.602	0.546	131.836		
2/17/2012 15:15	15300	19.115	68.585	0.563	131.853		
2/17/2012 15:30	16200	19.105	68.56	0.588	131.878		
2/17/2012 15:45	17100	19.098	68.557	0.591	131.881		
2/17/2012 16:00	18000	19.095	68.557	0.591	131.881		
2/17/2012 16:15	18900	19.089	68.54	0.608	131.898		
2/17/2012 16:30	19800	19.091	68.539	0.609	131.899		
2/17/2012 16:45	20700	19.087	68.521	0.627	131.917		
2/17/2012 17:00	21600	19.081	68.52	0.628	131.918	131.91	
2/17/2012 17:15	22500	19.078	68.502	0.646	131.936		
2/17/2012 17:30	23400	19.081	68.474	0.674	131.964		

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/17/2012 17:45	24300	19.077	68.469	0.679	131.969	
2/17/2012 18:00	25200	19.075	68.468	0.68	131.97	
2/17/2012 18:15	26100	19.075	68.474	0.674	131.964	
2/17/2012 18:30	27000	19.072	68.463	0.685	131.975	
2/17/2012 18:45	27900	19.07	68.456	0.692	131.982	
2/17/2012 19:00	28800	19.069	68.449	0.699	131.989	
2/17/2012 19:15	29700	19.064	68.444	0.704	131.994	
2/17/2012 19:30	30600	19.065	68.434	0.714	132.004	
2/17/2012 19:45	31500	19.067	68.431	0.717	132.007	
2/17/2012 20:00	32400	19.065	68.415	0.733	132.023	
2/17/2012 20:15	33300	19.069	68.425	0.723	132.013	
2/17/2012 20:30	34200	19.066	68.414	0.734	132.024	
2/17/2012 20:45	35100	19.066	68.412	0.736	132.026	
2/17/2012 21:00	36000	19.066	68.41	0.738	132.028	
2/17/2012 21:15	36900	19.065	68.397	0.751	132.041	
2/17/2012 21:30	37800	19.066	68.409	0.739	132.029	
2/17/2012 21:45	38700	19.068	68.442	0.706	131.996	
2/17/2012 22:00	39600	19.069	68.454	0.694	131.984	
2/17/2012 22:15	40500	19.065	68.452	0.696	131.986	
2/17/2012 22:30	41400	19.064	68.438	0.71	132	
2/17/2012 22:45	42300	19.067	68.397	0.751	132.041	
2/17/2012 23:00	43200	19.066	68.4	0.748	132.038	
2/17/2012 23:15	44100	19.064	68.404	0.744	132.034	
2/17/2012 23:30	45000	19.065	68.389	0.759	132.049	
2/17/2012 23:45	45900	19.065	68.388	0.76	132.05	
2/18/2012 0:00	46800	19.062	68.382	0.766	132.056	
2/18/2012 0:15	47700	19.062	68.381	0.767	132.057	
2/18/2012 0:30	48600	19.063	68.368	0.78	132.07	
2/18/2012 0:45	49500	19.06	68.359	0.789	132.079	
2/18/2012 1:00	50400	19.057	68.351	0.797	132.087	
2/18/2012 1:15	51300	19.057	68.326	0.822	132.112	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/18/2012 1:30	52200	19.06	68.322	0.826	132.116	
2/18/2012 1:45	53100	19.056	68.32	0.828	132.118	
2/18/2012 2:00	54000	19.057	68.33	0.818	132.108	
2/18/2012 2:15	54900	19.054	68.35	0.798	132.088	
2/18/2012 2:30	55800	19.056	68.342	0.806	132.096	
2/18/2012 2:45	56700	19.051	68.308	0.84	132.13	
2/18/2012 3:00	57600	19.053	68.31	0.838	132.128	
2/18/2012 3:15	58500	19.056	68.311	0.837	132.127	
2/18/2012 3:30	59400	19.054	68.313	0.835	132.125	
2/18/2012 3:45	60300	19.052	68.277	0.871	132.161	
2/18/2012 4:00	61200	19.051	68.289	0.859	132.149	
2/18/2012 4:15	62100	19.054	68.301	0.847	132.137	
2/18/2012 4:30	63000	19.053	68.262	0.886	132.176	
2/18/2012 4:45	63900	19.049	68.279	0.869	132.159	
2/18/2012 5:00	64800	19.05	68.267	0.881	132.171	
2/18/2012 5:15	65700	19.051	68.247	0.901	132.191	
2/18/2012 5:30	66600	19.048	68.244	0.904	132.194	
2/18/2012 5:45	67500	19.047	68.245	0.903	132.193	
2/18/2012 6:00	68400	19.048	68.246	0.902	132.192	
2/18/2012 6:15	69300	19.049	68.237	0.911	132.201	
2/18/2012 6:30	70200	19.046	68.248	0.9	132.19	
2/18/2012 6:45	71100	19.043	68.222	0.926	132.216	
2/18/2012 7:00	72000	19.045	68.206	0.942	132.232	
2/18/2012 7:15	72900	19.044	68.207	0.941	132.231	
2/18/2012 7:30	73800	19.043	68.205	0.943	132.233	
2/18/2012 7:45	74700	19.045	68.199	0.949	132.239	
2/18/2012 8:00	75600	19.043	68.198	0.95	132.24	
2/18/2012 8:15	76500	19.042	68.205	0.943	132.233	
2/18/2012 8:30	77400	19.042	68.208	0.94	132.23	
2/18/2012 8:45	78300	19.039	68.198	0.95	132.24	
2/18/2012 9:00	79200	19.041	68.198	0.95	132.24	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/18/2012 9:15	80100	19.039	68.195	0.953	132.243	
2/18/2012 9:30	81000	19.038	68.189	0.959	132.249	
2/18/2012 9:45	81900	19.04	68.192	0.956	132.246	
2/18/2012 10:00	82800	19.041	68.188	0.96	132.25	
2/18/2012 10:15	83700	19.038	68.176	0.972	132.262	
2/18/2012 10:30	84600	19.04	68.189	0.959	132.249	
2/18/2012 10:45	85500	19.038	68.192	0.956	132.246	
2/18/2012 11:00	86400	19.039	68.18	0.968	132.258	
2/18/2012 11:15	87300	19.039	68.183	0.965	132.255	
2/18/2012 11:30	88200	19.036	68.185	0.963	132.253	
2/18/2012 11:45	89100	19.039	68.19	0.958	132.248	
2/18/2012 12:00	90000	19.04	68.196	0.952	132.242	
2/18/2012 12:15	90900	19.038	68.195	0.953	132.243	
2/18/2012 12:30	91800	19.037	68.185	0.963	132.253	
2/18/2012 12:45	92700	19.037	68.186	0.962	132.252	
2/18/2012 13:00	93600	19.039	68.171	0.977	132.267	
2/18/2012 13:15	94500	19.039	68.169	0.979	132.269	
2/18/2012 13:30	95400	19.037	68.173	0.975	132.265	
2/18/2012 13:45	96300	19.037	68.161	0.987	132.277	
2/18/2012 14:00	97200	19.037	68.153	0.995	132.285	
2/18/2012 14:15	98100	19.034	68.152	0.996	132.286	
2/18/2012 14:30	99003	19.037	68.134	1.014	132.304	
2/18/2012 14:45	99903	19.036	68.136	1.012	132.302	
2/18/2012 15:00	100803	19.038	68.145	1.003	132.293	
2/18/2012 15:15	101703	19.035	68.141	1.007	132.297	
2/18/2012 15:30	102603	19.034	68.141	1.007	132.297	
2/18/2012 15:45	103503	19.036	68.137	1.011	132.301	
2/18/2012 16:00	104403	19.035	68.128	1.02	132.31	
2/18/2012 16:15	105303	19.036	68.12	1.028	132.318	
2/18/2012 16:30	106203	19.037	68.137	1.011	132.301	
2/18/2012 16:45	107103	19.034	68.126	1.022	132.312	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/18/2012 17:00	108003	19.037	68.119	1.029	132.319	
2/18/2012 17:15	108903	19.035	68.11	1.038	132.328	
2/18/2012 17:30	109803	19.036	68.109	1.039	132.329	
2/18/2012 17:45	110703	19.036	68.11	1.038	132.328	
2/18/2012 18:00	111603	19.034	68.117	1.031	132.321	
2/18/2012 18:15	112503	19.034	68.108	1.04	132.33	
2/18/2012 18:30	113403	19.036	68.112	1.036	132.326	
2/18/2012 18:45	114303	19.034	68.107	1.041	132.331	
2/18/2012 19:00	115203	19.034	68.088	1.06	132.35	
2/18/2012 19:15	116103	19.038	68.084	1.064	132.354	
2/18/2012 19:30	117003	19.035	68.1	1.048	132.338	
2/18/2012 19:45	117903	19.036	68.085	1.063	132.353	
2/18/2012 20:00	118803	19.036	68.09	1.058	132.348	
2/18/2012 20:15	119703	19.035	68.087	1.061	132.351	
2/18/2012 20:30	120603	19.035	68.095	1.053	132.343	
2/18/2012 20:45	121503	19.037	68.08	1.068	132.358	
2/18/2012 21:00	122403	19.035	68.074	1.074	132.364	
2/18/2012 21:15	123303	19.035	68.085	1.063	132.353	
2/18/2012 21:30	124203	19.035	68.079	1.069	132.359	
2/18/2012 21:45	125103	19.035	68.083	1.065	132.355	
2/18/2012 22:00	126003	19.037	68.087	1.061	132.351	
2/18/2012 22:15	126903	19.036	68.089	1.059	132.349	
2/18/2012 22:30	127803	19.038	68.086	1.062	132.352	
2/18/2012 22:45	128703	19.035	68.091	1.057	132.347	
2/18/2012 23:00	129603	19.037	68.09	1.058	132.348	
2/18/2012 23:15	130503	19.034	68.079	1.069	132.359	
2/18/2012 23:30	131403	19.036	68.08	1.068	132.358	
2/18/2012 23:45	132303	19.035	68.083	1.065	132.355	
2/19/2012 0:00	133203	19.034	68.073	1.075	132.365	
2/19/2012 0:15	134103	19.038	68.079	1.069	132.359	
2/19/2012 0:30	135003	19.035	68.085	1.063	132.353	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/19/2012 0:45	135903	19.034	68.065	1.083	132.373		
2/19/2012 1:00	136803	19.036	68.065	1.083	132.373		
2/19/2012 1:15	137703	19.035	68.08	1.068	132.358		
2/19/2012 1:30	138603	19.034	68.076	1.072	132.362		
2/19/2012 1:45	139503	19.036	68.065	1.083	132.373		
2/19/2012 2:00	140403	19.034	68.062	1.086	132.376		
2/19/2012 2:15	141303	19.035	68.06	1.088	132.378		
2/19/2012 2:30	142203	19.036	68.072	1.076	132.366		
2/19/2012 2:45	143103	19.032	68.047	1.101	132.391		
2/19/2012 3:00	144003	19.036	68.064	1.084	132.374		
2/19/2012 3:15	144903	19.033	68.066	1.082	132.372		
2/19/2012 3:30	145803	19.034	68.05	1.098	132.388		
2/19/2012 3:45	146703	19.036	68.055	1.093	132.383		
2/19/2012 4:00	147603	19.035	68.045	1.103	132.393		
2/19/2012 4:15	148503	19.035	68.044	1.104	132.394		
2/19/2012 4:30	149403	19.036	68.042	1.106	132.396		
2/19/2012 4:45	150303	19.037	68.045	1.103	132.393		
2/19/2012 5:00	151203	19.039	68.04	1.108	132.398		
2/19/2012 5:15	152103	19.037	68.032	1.116	132.406		
2/19/2012 5:30	153003	19.035	68.022	1.126	132.416		
2/19/2012 5:45	153903	19.034	68.018	1.13	132.42		
2/19/2012 6:00	154803	19.037	68.026	1.122	132.412		
2/19/2012 6:15	155703	19.033	68.024	1.124	132.414		
2/19/2012 6:30	156603	19.036	68.016	1.132	132.422		
2/19/2012 6:45	157503	19.035	68	1.148	132.438		
2/19/2012 7:00	158403	19.036	68.006	1.142	132.432		
2/19/2012 7:15	159303	19.036	68.002	1.146	132.436		
2/19/2012 7:30	160203	19.036	68.009	1.139	132.429		
2/19/2012 7:45	161103	19.038	68.007	1.141	132.431		
2/19/2012 8:00	162003	19.037	67.992	1.156	132.446		
2/19/2012 8:15	162903	19.036	67.996	1.152	132.442		

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/19/2012 8:30	163803	19.035	68.005	1.143	132.433		
2/19/2012 8:45	164703	19.034	67.998	1.15	132.44		
2/19/2012 9:00	165603	19.034	67.992	1.156	132.446		
2/19/2012 9:15	166503	19.034	67.987	1.161	132.451		
2/19/2012 9:30	167403	19.035	67.98	1.168	132.458		
2/19/2012 9:45	168303	19.034	67.986	1.162	132.452		
2/19/2012 10:00	169203	19.034	67.975	1.173	132.463		
2/19/2012 10:15	170103	19.034	67.981	1.167	132.457		
2/19/2012 10:30	171003	19.032	67.978	1.17	132.46		
2/19/2012 10:45	171903	19.033	67.956	1.192	132.482		
2/19/2012 11:00	172803	19.036	67.98	1.168	132.458		
2/19/2012 11:15	173703	19.033	67.974	1.174	132.464		
2/19/2012 11:30	174603	19.032	67.963	1.185	132.475		
2/19/2012 11:45	175503	19.033	67.966	1.182	132.472		
2/19/2012 12:00	176403	19.033	67.952	1.196	132.486		
2/19/2012 12:15	177303	19.031	67.968	1.18	132.47		
2/19/2012 12:30	178203	19.032	67.964	1.184	132.474		
2/19/2012 12:45	179103	19.033	67.958	1.19	132.48		
2/19/2012 13:00	180003	19.031	67.964	1.184	132.474		
2/19/2012 13:15	180903	19.033	67.956	1.192	132.482		
2/19/2012 13:30	181803	19.034	67.959	1.189	132.479		
2/19/2012 13:45	182703	19.034	67.959	1.189	132.479		
2/19/2012 14:00	183603	19.031	67.962	1.186	132.476		
2/19/2012 14:15	184503	19.033	67.946	1.202	132.492		
2/19/2012 14:30	185403	19.032	67.956	1.192	132.482		
2/19/2012 14:45	186303	19.031	67.95	1.198	132.488		
2/19/2012 15:00	187203	19.033	67.941	1.207	132.497		
2/19/2012 15:15	188103	19.034	67.94	1.208	132.498		
2/19/2012 15:30	189003	19.033	67.935	1.213	132.503		
2/19/2012 15:45	189903	19.033	67.953	1.195	132.485		
2/19/2012 16:00	190803	19.033	67.945	1.203	132.493		

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/19/2012 16:15	191703	19.031	67.922	1.226	132.516	
2/19/2012 16:30	192603	19.032	67.933	1.215	132.505	
2/19/2012 16:45	193503	19.032	67.925	1.223	132.513	
2/19/2012 17:00	194403	19.036	67.922	1.226	132.516	
2/19/2012 17:15	195303	19.031	67.927	1.221	132.511	
2/19/2012 17:30	196203	19.034	67.93	1.218	132.508	
2/19/2012 17:45	197103	19.032	67.926	1.222	132.512	
2/19/2012 18:00	198003	19.035	67.907	1.241	132.531	
2/19/2012 18:15	198903	19.03	67.919	1.229	132.519	
2/19/2012 18:30	199803	19.033	67.904	1.244	132.534	
2/19/2012 18:45	200703	19.031	67.909	1.239	132.529	
2/19/2012 19:00	201603	19.031	67.9	1.248	132.538	
2/19/2012 19:15	202503	19.031	67.892	1.256	132.546	
2/19/2012 19:30	203403	19.029	67.905	1.243	132.533	
2/19/2012 19:45	204303	19.032	67.9	1.248	132.538	
2/19/2012 20:00	205203	19.031	67.901	1.247	132.537	
2/19/2012 20:15	206103	19.029	67.903	1.245	132.535	
2/19/2012 20:30	207003	19.031	67.887	1.261	132.551	
2/19/2012 20:45	207903	19.031	67.886	1.262	132.552	
2/19/2012 21:00	208803	19.033	67.883	1.265	132.555	
2/19/2012 21:15	209703	19.03	67.872	1.276	132.566	
2/19/2012 21:30	210603	19.03	67.857	1.291	132.581	
2/19/2012 21:45	211503	19.033	67.871	1.277	132.567	
2/19/2012 22:00	212403	19.03	67.879	1.269	132.559	
2/19/2012 22:15	213303	19.033	67.872	1.276	132.566	
2/19/2012 22:30	214203	19.032	67.873	1.275	132.565	
2/19/2012 22:45	215103	19.031	67.876	1.272	132.562	
2/19/2012 23:00	216003	19.031	67.868	1.28	132.57	
2/19/2012 23:15	216903	19.031	67.871	1.277	132.567	
2/19/2012 23:30	217803	19.032	67.861	1.287	132.577	
2/19/2012 23:45	218703	19.029	67.872	1.276	132.566	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/20/2012 0:00	219603	19.029	67.863	1.285	132.575		
2/20/2012 0:15	220503	19.03	67.868	1.28	132.57		
2/20/2012 0:30	221403	19.031	67.855	1.293	132.583		
2/20/2012 0:45	222303	19.03	67.853	1.295	132.585		
2/20/2012 1:00	223203	19.031	67.856	1.292	132.582		
2/20/2012 1:15	224103	19.03	67.862	1.286	132.576		
2/20/2012 1:30	225003	19.03	67.863	1.285	132.575		
2/20/2012 1:45	225903	19.03	67.86	1.288	132.578		
2/20/2012 2:00	226803	19.03	67.862	1.286	132.576		
2/20/2012 2:15	227703	19.027	67.88	1.268	132.558		
2/20/2012 2:30	228603	19.032	67.862	1.286	132.576		
2/20/2012 2:45	229503	19.03	67.865	1.283	132.573		
2/20/2012 3:00	230403	19.029	67.859	1.289	132.579		
2/20/2012 3:15	231303	19.031	67.857	1.291	132.581		
2/20/2012 3:30	232203	19.03	67.869	1.279	132.569		
2/20/2012 3:45	233103	19.032	67.86	1.288	132.578		
2/20/2012 4:00	234003	19.031	67.857	1.291	132.581		
2/20/2012 4:15	234903	19.031	67.838	1.31	132.6		
2/20/2012 4:30	235803	19.031	67.845	1.303	132.593		
2/20/2012 4:45	236703	19.03	67.844	1.304	132.594		
2/20/2012 5:00	237603	19.029	67.855	1.293	132.583		
2/20/2012 5:15	238503	19.029	67.85	1.298	132.588		
2/20/2012 5:30	239403	19.031	67.857	1.291	132.581		
2/20/2012 5:45	240303	19.031	67.849	1.299	132.589		
2/20/2012 6:00	241203	19.032	67.834	1.314	132.604		
2/20/2012 6:15	242103	19.032	67.832	1.316	132.606		
2/20/2012 6:30	243003	19.03	67.821	1.327	132.617		
2/20/2012 6:45	243903	19.031	67.815	1.333	132.623		
2/20/2012 7:00	244803	19.032	67.812	1.336	132.626		
2/20/2012 7:15	245703	19.031	67.83	1.318	132.608		
2/20/2012 7:30	246603	19.029	67.816	1.332	132.622		

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/20/2012 7:45	247503	19.031	67.808	1.34	132.63	
2/20/2012 8:00	248403	19.032	67.815	1.333	132.623	
2/20/2012 8:15	249303	19.03	67.814	1.334	132.624	
2/20/2012 8:30	250203	19.031	67.822	1.326	132.616	
2/20/2012 8:45	251103	19.03	67.817	1.331	132.621	
2/20/2012 9:00	252003	19.03	67.82	1.328	132.618	
2/20/2012 9:15	252903	19.029	67.823	1.325	132.615	
2/20/2012 9:30	253803	19.03	67.817	1.331	132.621	
2/20/2012 9:45	254703	19.031	67.809	1.339	132.629	
2/20/2012 10:00	255603	19.032	67.812	1.336	132.626	
2/20/2012 10:15	256503	19.033	67.818	1.33	132.62	
2/20/2012 10:30	257403	19.032	67.825	1.323	132.613	
2/20/2012 10:45	258303	19.03	67.822	1.326	132.616	
2/20/2012 11:00	259203	19.031	67.826	1.322	132.612	
2/20/2012 11:15	260103	19.031	67.825	1.323	132.613	
2/20/2012 11:30	261003	19.029	67.819	1.329	132.619	
2/20/2012 11:45	261903	19.027	67.821	1.327	132.617	
2/20/2012 12:00	262803	19.031	67.832	1.316	132.606	
2/20/2012 12:15	263703	19.031	67.811	1.337	132.627	
2/20/2012 12:30	264603	19.032	67.822	1.326	132.616	
2/20/2012 12:45	265503	19.031	67.833	1.315	132.605	
2/20/2012 13:00	266403	19.03	67.828	1.32	132.61	
2/20/2012 13:15	267303	19.029	67.817	1.331	132.621	
2/20/2012 13:30	268203	19.031	67.827	1.321	132.611	
2/20/2012 13:38	-1800				132.81	
2/20/2012 13:45	269103	19.031	67.818	1.33	132.62	
2/20/2012 14:00	270003	19.03	67.807	1.341	132.631	
2/20/2012 14:15	270903	19.029	67.805	1.343	132.633	
2/20/2012 14:30	271803	19.03	67.825	1.323	132.613	
2/20/2012 14:45	272703	19.031	67.812	1.336	132.626	
2/20/2012 15:00	273603	19.029	67.811	1.337	132.627	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/20/2012 15:15	274503	19.029	67.816	1.332	132.622	
2/20/2012 15:30	275403	19.031	67.803	1.345	132.635	
2/20/2012 15:45	276303	19.029	67.815	1.333	132.623	
2/20/2012 16:00	277203	19.029	67.81	1.338	132.628	
2/20/2012 16:15	278103	19.029	67.81	1.338	132.628	
2/20/2012 16:30	279003	19.031	67.811	1.337	132.627	
2/20/2012 16:45	279903	19.029	67.803	1.345	132.635	
2/20/2012 17:00	280803	19.031	67.802	1.346	132.636	
2/20/2012 17:15	281703	19.032	67.797	1.351	132.641	
2/20/2012 17:30	282603	19.03	67.79	1.358	132.648	
2/20/2012 17:45	283503	19.03	67.8	1.348	132.638	
2/20/2012 18:00	284403	19.031	67.779	1.369	132.659	
2/20/2012 18:15	285303	19.031	67.782	1.366	132.656	
2/20/2012 18:30	286203	19.03	67.776	1.372	132.662	
2/20/2012 18:45	287103	19.031	67.78	1.368	132.658	
2/20/2012 19:00	288003	19.031	67.772	1.376	132.666	
2/20/2012 19:15	288903	19.031	67.781	1.367	132.657	
2/20/2012 19:30	289803	19.03	67.782	1.366	132.656	
2/20/2012 19:45	290703	19.031	67.778	1.37	132.66	
2/20/2012 20:00	291603	19.028	67.774	1.374	132.664	
2/20/2012 20:15	292503	19.028	67.776	1.372	132.662	
2/20/2012 20:30	293403	19.031	67.769	1.379	132.669	
2/20/2012 20:45	294303	19.029	67.773	1.375	132.665	
2/20/2012 21:00	295203	19.034	67.762	1.386	132.676	
2/20/2012 21:15	296103	19.029	67.757	1.391	132.681	
2/20/2012 21:30	297003	19.032	67.76	1.388	132.678	
2/20/2012 21:45	297903	19.029	67.765	1.383	132.673	
2/20/2012 22:00	298803	19.03	67.758	1.39	132.68	
2/20/2012 22:15	299703	19.03	67.752	1.396	132.686	
2/20/2012 22:30	300603	19.029	67.768	1.38	132.67	
2/20/2012 22:45	301503	19.029	67.755	1.393	132.683	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/20/2012 23:00	302403	19.027	67.758	1.39	132.68	
2/20/2012 23:15	303303	19.029	67.763	1.385	132.675	
2/20/2012 23:30	304203	19.029	67.776	1.372	132.662	
2/20/2012 23:45	305103	19.029	67.762	1.386	132.676	
2/21/2012 0:00	306003	19.029	67.768	1.38	132.67	
2/21/2012 0:15	306903	19.032	67.757	1.391	132.681	
2/21/2012 0:30	307803	19.03	67.763	1.385	132.675	
2/21/2012 0:45	308703	19.028	67.746	1.402	132.692	
2/21/2012 1:00	309603	19.031	67.746	1.402	132.692	
2/21/2012 1:15	310503	19.032	67.758	1.39	132.68	
2/21/2012 1:30	311403	19.027	67.753	1.395	132.685	
2/21/2012 1:45	312303	19.029	67.743	1.405	132.695	
2/21/2012 2:00	313203	19.032	67.746	1.402	132.692	
2/21/2012 2:15	314103	19.03	67.748	1.4	132.69	
2/21/2012 2:30	315003	19.029	67.75	1.398	132.688	
2/21/2012 2:45	315903	19.03	67.754	1.394	132.684	
2/21/2012 3:00	316803	19.028	67.746	1.402	132.692	
2/21/2012 3:15	317703	19.029	67.751	1.397	132.687	
2/21/2012 3:30	318603	19.029	67.752	1.396	132.686	
2/21/2012 3:45	319503	19.029	67.746	1.402	132.692	
2/21/2012 4:00	320403	19.029	67.743	1.405	132.695	
2/21/2012 4:15	321303	19.03	67.75	1.398	132.688	
2/21/2012 4:30	322203	19.029	67.733	1.415	132.705	
2/21/2012 4:45	323103	19.03	67.73	1.418	132.708	
2/21/2012 5:00	324003	19.031	67.738	1.41	132.7	
2/21/2012 5:15	324903	19.031	67.715	1.433	132.723	
2/21/2012 5:30	325803	19.03	67.737	1.411	132.701	
2/21/2012 5:45	326703	19.03	67.735	1.413	132.703	
2/21/2012 6:00	327603	19.03	67.742	1.406	132.696	
2/21/2012 6:15	328503	19.03	67.721	1.427	132.717	
2/21/2012 6:30	329403	19.031	67.741	1.407	132.697	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/21/2012 6:45	330303	19.028	67.731	1.417	132.707	
2/21/2012 7:00	331203	19.032	67.74	1.408	132.698	
2/21/2012 7:15	332103	19.032	67.738	1.41	132.7	
2/21/2012 7:30	333003	19.029	67.729	1.419	132.709	
2/21/2012 7:45	333903	19.03	67.73	1.418	132.708	
2/21/2012 8:00	334803	19.03	67.727	1.421	132.711	
2/21/2012 8:15	335703	19.029	67.736	1.412	132.702	
2/21/2012 8:30	336603	19.029	67.716	1.432	132.722	
2/21/2012 8:45	337503	19.03	67.735	1.413	132.703	
2/21/2012 9:00	338403	19.027	67.728	1.42	132.71	
2/21/2012 9:15	339303	19.028	67.733	1.415	132.705	
2/21/2012 9:30	340203	19.028	67.723	1.425	132.715	
2/21/2012 9:45	341103	19.03	67.722	1.426	132.716	
2/21/2012 10:00	342003	19.031	67.722	1.426	132.716	
2/21/2012 10:15	342903	19.028	67.726	1.422	132.712	
2/21/2012 10:30	343803	19.032	67.733	1.415	132.705	
2/21/2012 10:45	344703	19.029	67.735	1.413	132.703	
2/21/2012 11:00	345603	19.029	67.734	1.414	132.704	
2/21/2012 11:15	346503	19.027	67.734	1.414	132.704	
2/21/2012 11:30	347403	19.029	67.73	1.418	132.708	
2/21/2012 11:45	348303	19.029	67.747	1.401	132.691	
2/21/2012 12:00	349203	19.027	67.743	1.405	132.695	
2/21/2012 12:15	350103	19.03	67.754	1.394	132.684	
2/21/2012 12:30	351003	19.029	67.743	1.405	132.695	
2/21/2012 12:45	351903	19.029	67.763	1.385	132.675	
2/21/2012 13:00	352803	19.028	67.761	1.387	132.677	
2/21/2012 13:15	353703	19.03	67.753	1.395	132.685	
2/21/2012 13:30	354603	19.027	67.744	1.404	132.694	
2/21/2012 13:45	355503	19.031	67.747	1.401	132.691	
2/21/2012 14:00	356403	19.029	67.752	1.396	132.686	
2/21/2012 14:15	357303	19.027	67.745	1.403	132.693	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/21/2012 14:30	358203	19.031	67.749	1.399	132.689	
2/21/2012 14:45	359103	19.031	67.756	1.392	132.682	
2/21/2012 15:00	360003	19.031	67.746	1.402	132.692	
2/21/2012 15:15	360903	19.031	67.736	1.412	132.702	
2/21/2012 15:30	361803	19.029	67.733	1.415	132.705	
2/21/2012 15:45	362703	19.029	67.734	1.414	132.704	
2/21/2012 16:00	363603	19.031	67.739	1.409	132.699	
2/21/2012 16:15	364503	19.03	67.734	1.414	132.704	
2/21/2012 16:30	365403	19.03	67.729	1.419	132.709	
2/21/2012 16:45	366303	19.031	67.733	1.415	132.705	
2/21/2012 17:00	367203	19.031	67.734	1.414	132.704	
2/21/2012 17:15	368103	19.032	67.722	1.426	132.716	
2/21/2012 17:30	369003	19.029	67.744	1.404	132.694	
2/21/2012 17:45	369903	19.029	67.73	1.418	132.708	
2/21/2012 18:00	370803	19.032	67.721	1.427	132.717	
2/21/2012 18:15	371703	19.033	67.716	1.432	132.722	
2/21/2012 18:30	372603	19.033	67.716	1.432	132.722	
2/21/2012 18:45	373503	19.032	67.717	1.431	132.721	
2/21/2012 19:00	374403	19.033	67.711	1.437	132.727	
2/21/2012 19:15	375303	19.032	67.769	1.379	132.669	
2/21/2012 19:30	376203	19.032	67.867	1.281	132.571	
2/21/2012 19:45	377103	19.035	67.939	1.209	132.499	
2/21/2012 20:00	378003	19.037	67.992	1.156	132.446	
2/21/2012 20:15	378903	19.039	68.032	1.116	132.406	
2/21/2012 20:30	379803	19.044	68.057	1.091	132.381	
2/21/2012 20:45	380703	19.047	68.093	1.055	132.345	
2/21/2012 21:00	381603	19.049	68.126	1.022	132.312	
2/21/2012 21:15	382503	19.052	68.152	0.996	132.286	
2/21/2012 21:30	383403	19.054	68.182	0.966	132.256	
2/21/2012 21:45	384303	19.056	68.192	0.956	132.246	
2/21/2012 22:00	385203	19.062	68.217	0.931	132.221	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/21/2012 22:15	386103	19.06	68.233	0.915	132.205		
2/21/2012 22:30	387003	19.061	68.24	0.908	132.198		
2/21/2012 22:45	387903	19.065	68.249	0.899	132.189		
2/21/2012 23:00	388803	19.065	68.273	0.875	132.165		
2/21/2012 23:15	389703	19.069	68.284	0.864	132.154		
2/21/2012 23:30	390603	19.071	68.325	0.823	132.113		
2/21/2012 23:45	391503	19.07	68.334	0.814	132.104		
2/22/2012 0:00	392403	19.074	68.34	0.808	132.098		
2/22/2012 0:15	393303	19.073	68.351	0.797	132.087		
2/22/2012 0:30	394203	19.077	68.355	0.793	132.083		
2/22/2012 0:45	395103	19.078	68.378	0.77	132.06		
2/22/2012 1:00	396003	19.08	68.382	0.766	132.056		
2/22/2012 1:15	396903	19.078	68.375	0.773	132.063		
2/22/2012 1:30	397803	19.08	68.392	0.756	132.046		
2/22/2012 1:45	398703	19.085	68.406	0.742	132.032		
2/22/2012 2:00	399603	19.083	68.408	0.74	132.03		
2/22/2012 2:15	400503	19.083	68.431	0.717	132.007		
2/22/2012 2:30	401403	19.086	68.439	0.709	131.999		
2/22/2012 2:45	402303	19.085	68.451	0.697	131.987		
2/22/2012 3:00	403203	19.089	68.448	0.7	131.99		
2/22/2012 3:15	404103	19.09	68.465	0.683	131.973		
2/22/2012 3:30	405003	19.088	68.453	0.695	131.985		
2/22/2012 3:45	405903	19.091	68.476	0.672	131.962		
2/22/2012 4:00	406803	19.092	68.48	0.668	131.958		
2/22/2012 4:15	407703	19.094	68.477	0.671	131.961		
2/22/2012 4:30	408603	19.094	68.494	0.654	131.944		
2/22/2012 4:45	409503	19.095	68.485	0.663	131.953		
2/22/2012 5:00	410403	19.096	68.5	0.648	131.938		
2/22/2012 5:15	411303	19.097	68.508	0.64	131.93		
2/22/2012 5:30	412203	19.097	68.508	0.64	131.93		
2/22/2012 5:45	413103	19.099	68.526	0.622	131.912		

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/22/2012 6:00	414003	19.101	68.523	0.625	131.915	
2/22/2012 6:15	414903	19.099	68.523	0.625	131.915	
2/22/2012 6:30	415803	19.102	68.539	0.609	131.899	
2/22/2012 6:45	416703	19.099	68.535	0.613	131.903	
2/22/2012 7:00	417603	19.102	68.545	0.603	131.893	
2/22/2012 7:15	418503	19.104	68.534	0.614	131.904	
2/22/2012 7:30	419403	19.103	68.542	0.606	131.896	
2/22/2012 7:45	420303	19.105	68.545	0.603	131.893	
2/22/2012 8:00	421203	19.106	68.566	0.582	131.872	
2/22/2012 8:15	422103	19.106	68.566	0.582	131.872	
2/22/2012 8:30	423003	19.106	68.574	0.574	131.864	
2/22/2012 8:45	423903	19.108	68.57	0.578	131.868	
2/22/2012 9:00	424803	19.108	68.578	0.57	131.86	
2/22/2012 9:15	425703	19.109	68.597	0.551	131.841	
2/22/2012 9:30	426603	19.11	68.602	0.546	131.836	
2/22/2012 9:45	427503	19.111	68.601	0.547	131.837	
2/22/2012 10:00	428403	19.111	68.596	0.552	131.842	
2/22/2012 10:15	429303	19.111	68.611	0.537	131.827	
2/22/2012 10:30	430203	19.112	68.623	0.525	131.815	
2/22/2012 10:45	431103	19.111	68.635	0.513	131.803	
2/22/2012 11:00	432003	19.118	68.624	0.524	131.814	
2/22/2012 11:15	432903	19.113	68.645	0.503	131.793	
2/22/2012 11:30	433803	19.112	68.654	0.494	131.784	
2/22/2012 11:45	434703	19.111	68.651	0.497	131.787	
2/22/2012 12:00	435603	19.113	68.656	0.492	131.782	
2/22/2012 12:15	436503	19.115	68.668	0.48	131.77	
2/22/2012 12:30	437403	19.117	68.681	0.467	131.757	
2/22/2012 12:45	438303	19.114	68.674	0.474	131.764	
2/22/2012 13:00	439203	19.116	68.68	0.468	131.758	
2/22/2012 13:15	440103	19.115	68.694	0.454	131.744	
2/22/2012 13:30	441003	19.115	68.684	0.464	131.754	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/22/2012 13:45	441903	19.118	68.685	0.463	131.753	
2/22/2012 14:00	442803	19.118	68.69	0.458	131.748	
2/22/2012 14:15	443703	19.117	68.699	0.449	131.739	
2/22/2012 14:30	444603	19.118	68.698	0.45	131.74	
2/22/2012 14:45	445503	19.118	68.71	0.438	131.728	
2/22/2012 15:00	446403	19.121	68.704	0.444	131.734	
2/22/2012 15:15	447303	19.12	68.721	0.427	131.717	
2/22/2012 15:30	448203	19.12	68.714	0.434	131.724	
2/22/2012 15:45	449103	19.119	68.715	0.433	131.723	
2/22/2012 16:00	450003	19.12	68.717	0.431	131.721	
2/22/2012 16:15	450903	19.122	68.728	0.42	131.71	
2/22/2012 16:30	451803	19.121	68.715	0.433	131.723	
2/22/2012 16:45	452703	19.121	68.725	0.423	131.713	
2/22/2012 17:00	453603	19.121	68.716	0.432	131.722	
2/22/2012 17:15	454503	19.123	68.723	0.425	131.715	
2/22/2012 17:30	455403	19.122	68.724	0.424	131.714	
2/22/2012 17:45	456303	19.12	68.721	0.427	131.717	
2/22/2012 18:00	457203	19.125	68.729	0.419	131.709	
2/22/2012 18:15	458103	19.125	68.738	0.41	131.7	
2/22/2012 18:30	459003	19.125	68.718	0.43	131.72	
2/22/2012 18:45	459903	19.125	68.737	0.411	131.701	
2/22/2012 19:00	460803	19.125	68.735	0.413	131.703	
2/22/2012 19:15	461703	19.127	68.751	0.397	131.687	
2/22/2012 19:30	462603	19.125	68.751	0.397	131.687	
2/22/2012 19:45	463503	19.126	68.751	0.397	131.687	
2/22/2012 20:00	464403	19.125	68.748	0.4	131.69	
2/22/2012 20:15	465303	19.128	68.746	0.402	131.692	
2/22/2012 20:30	466203	19.125	68.758	0.39	131.68	
2/22/2012 20:45	467103	19.128	68.75	0.398	131.688	
2/22/2012 21:00	468003	19.128	68.747	0.401	131.691	
2/22/2012 21:15	468903	19.13	68.762	0.386	131.676	

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/22/2012 21:30	469803	19.13	68.758	0.39	131.68		
2/22/2012 21:45	470703	19.129	68.764	0.384	131.674		
2/22/2012 22:00	471603	19.133	68.762	0.386	131.676		
2/22/2012 22:15	472503	19.129	68.775	0.373	131.663		
2/22/2012 22:30	473403	19.132	68.766	0.382	131.672		
2/22/2012 22:45	474303	19.13	68.77	0.378	131.668		
2/22/2012 23:00	475203	19.129	68.776	0.372	131.662		
2/22/2012 23:15	476103	19.13	68.763	0.385	131.675		
2/22/2012 23:30	477003	19.132	68.779	0.369	131.659		
2/22/2012 23:45	477903	19.131	68.775	0.373	131.663		
2/23/2012 0:00	478803	19.132	68.775	0.373	131.663		
2/23/2012 0:15	479703	19.134	68.781	0.367	131.657		
2/23/2012 0:30	480603	19.132	68.788	0.36	131.65		
2/23/2012 0:45	481503	19.13	68.783	0.365	131.655		
2/23/2012 1:00	482403	19.131	68.798	0.35	131.64		
2/23/2012 1:15	483303	19.131	68.804	0.344	131.634		
2/23/2012 1:30	484203	19.131	68.79	0.358	131.648		
2/23/2012 1:45	485103	19.133	68.792	0.356	131.646		
2/23/2012 2:00	486003	19.135	68.808	0.34	131.63		
2/23/2012 2:15	486903	19.135	68.798	0.35	131.64		
2/23/2012 2:30	487803	19.132	68.812	0.336	131.626		
2/23/2012 2:45	488703	19.135	68.814	0.334	131.624		
2/23/2012 3:00	489603	19.135	68.817	0.331	131.621		
2/23/2012 3:15	490503	19.137	68.825	0.323	131.613		
2/23/2012 3:30	491403	19.137	68.819	0.329	131.619		
2/23/2012 3:45	492303	19.133	68.834	0.314	131.604		
2/23/2012 4:00	493203	19.137	68.827	0.321	131.611		
2/23/2012 4:15	494103	19.137	68.821	0.327	131.617		
2/23/2012 4:30	495003	19.134	68.827	0.321	131.611		
2/23/2012 4:45	495903	19.138	68.823	0.325	131.615		
2/23/2012 5:00	496803	19.138	68.813	0.335	131.625		

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/23/2012 5:15	497703	19.139	68.822	0.326	131.616	
2/23/2012 5:30	498603	19.136	68.826	0.322	131.612	
2/23/2012 5:45	499503	19.137	68.858	0.29	131.58	
2/23/2012 6:00	500403	19.139	68.834	0.314	131.604	
2/23/2012 6:15	501303	19.137	68.84	0.308	131.598	
2/23/2012 6:30	502203	19.138	68.82	0.328	131.618	
2/23/2012 6:45	503103	19.138	68.829	0.319	131.609	
2/23/2012 7:00	504003	19.14	68.822	0.326	131.616	
2/23/2012 7:15	504903	19.137	68.825	0.323	131.613	
2/23/2012 7:30	505803	19.141	68.827	0.321	131.611	
2/23/2012 7:45	506703	19.143	68.827	0.321	131.611	
2/23/2012 8:00	507603	19.14	68.82	0.328	131.618	
2/23/2012 8:15	508503	19.14	68.818	0.33	131.62	
2/23/2012 8:30	509403	19.14	68.836	0.312	131.602	
2/23/2012 8:45	510303	19.142	68.835	0.313	131.603	
2/23/2012 9:00	511203	19.142	68.828	0.32	131.61	
2/23/2012 9:15	512103	19.142	68.835	0.313	131.603	
2/23/2012 9:30	513003	19.14	68.848	0.3	131.59	
2/23/2012 9:45	513903	19.139	68.85	0.298	131.588	
2/23/2012 10:00	514803	19.141	68.865	0.283	131.573	
2/23/2012 10:15	515703	19.141	68.842	0.306	131.596	
2/23/2012 10:30	516603	19.143	68.849	0.299	131.589	
2/23/2012 10:45	517503	19.141	68.859	0.289	131.579	
2/23/2012 11:00	518403	19.141	68.85	0.298	131.588	
2/23/2012 11:15	519303	19.139	68.867	0.281	131.571	
2/23/2012 11:30	520203	19.142	68.851	0.297	131.587	
2/23/2012 11:45	521103	19.142	68.869	0.279	131.569	
2/23/2012 12:00	522003	19.143	68.873	0.275	131.565	
2/23/2012 12:15	522903	19.143	68.876	0.272	131.562	
2/23/2012 12:30	523803	19.143	68.886	0.262	131.552	
2/23/2012 12:45	524703	19.142	68.888	0.26	131.55	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/23/2012 13:00	525603	19.141	68.87	0.278	131.568	
2/23/2012 13:15	526503	19.14	68.885	0.263	131.553	
2/23/2012 13:30	527403	19.143	68.88	0.268	131.558	
2/23/2012 13:45	528303	19.141	68.882	0.266	131.556	
2/23/2012 14:00	529203	19.142	68.879	0.269	131.559	
2/23/2012 14:15	530103	19.143	68.891	0.257	131.547	
2/23/2012 14:30	531003	19.142	68.884	0.264	131.554	
2/23/2012 14:45	531903	19.143	68.898	0.25	131.54	
2/23/2012 15:00	532803	19.143	68.888	0.26	131.55	
2/23/2012 15:15	533703	19.145	68.892	0.256	131.546	
2/23/2012 15:30	534603	19.144	68.894	0.254	131.544	
2/23/2012 15:45	535503	19.145	68.894	0.254	131.544	
2/23/2012 16:00	536403	19.146	68.888	0.26	131.55	
2/23/2012 16:15	537303	19.143	68.895	0.253	131.543	
2/23/2012 16:30	538203	19.144	68.9	0.248	131.538	
2/23/2012 16:45	539103	19.146	68.89	0.258	131.548	
2/23/2012 17:00	540003	19.145	68.901	0.247	131.537	
2/23/2012 17:15	540903	19.148	68.886	0.262	131.552	
2/23/2012 17:30	541803	19.147	68.912	0.236	131.526	
2/23/2012 17:45	542703	19.145	68.879	0.269	131.559	
2/23/2012 18:00	543603	19.148	68.881	0.267	131.557	
2/23/2012 18:15	544503	19.144	68.885	0.263	131.553	
2/23/2012 18:30	545403	19.145	68.872	0.276	131.566	
2/23/2012 18:45	546303	19.146	68.874	0.274	131.564	
2/23/2012 19:00	547203	19.149	68.875	0.273	131.563	
2/23/2012 19:15	548103	19.147	68.88	0.268	131.558	
2/23/2012 19:30	549003	19.149	68.878	0.27	131.56	
2/23/2012 19:45	549903	19.146	68.892	0.256	131.546	
2/23/2012 20:00	550803	19.147	68.906	0.242	131.532	
2/23/2012 20:15	551703	19.148	68.912	0.236	131.526	
2/23/2012 20:30	552603	19.146	68.883	0.265	131.555	

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/23/2012 20:45	553503	19.148	68.878	0.27	131.56	
2/23/2012 21:00	554403	19.146	68.886	0.262	131.552	
2/23/2012 21:15	555303	19.148	68.881	0.267	131.557	
2/23/2012 21:30	556203	19.149	68.887	0.261	131.551	
2/23/2012 21:45	557103	19.15	68.914	0.234	131.524	
2/23/2012 22:00	558003	19.15	68.914	0.234	131.524	
2/23/2012 22:15	558903	19.148	68.904	0.244	131.534	
2/23/2012 22:30	559803	19.151	68.908	0.24	131.53	
2/23/2012 22:45	560703	19.148	68.895	0.253	131.543	
2/23/2012 23:00	561603	19.15	68.901	0.247	131.537	
2/23/2012 23:15	562503	19.15	68.898	0.25	131.54	
2/23/2012 23:30	563403	19.151	68.91	0.238	131.528	
2/23/2012 23:45	564303	19.149	68.922	0.226	131.516	
2/24/2012 0:00	565203	19.149	68.893	0.255	131.545	
2/24/2012 0:15	566103	19.147	68.913	0.235	131.525	
2/24/2012 0:30	567003	19.148	68.919	0.229	131.519	
2/24/2012 0:45	567903	19.147	68.902	0.246	131.536	
2/24/2012 1:00	568803	19.15	68.901	0.247	131.537	
2/24/2012 1:15	569703	19.149	68.929	0.219	131.509	
2/24/2012 1:30	570603	19.151	68.912	0.236	131.526	
2/24/2012 1:45	571503	19.151	68.929	0.219	131.509	
2/24/2012 2:00	572403	19.149	68.937	0.211	131.501	
2/24/2012 2:15	573303	19.149	68.916	0.232	131.522	
2/24/2012 2:30	574203	19.151	68.921	0.227	131.517	
2/24/2012 2:45	575103	19.152	68.91	0.238	131.528	
2/24/2012 3:00	576003	19.151	68.918	0.23	131.52	
2/24/2012 3:15	576903	19.151	68.923	0.225	131.515	
2/24/2012 3:30	577803	19.149	68.954	0.194	131.484	
2/24/2012 3:45	578703	19.152	68.941	0.207	131.497	
2/24/2012 4:00	579603	19.152	68.937	0.211	131.501	
2/24/2012 4:15	580503	19.149	68.938	0.21	131.5	

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/24/2012 4:30	581403	19.15	68.912	0.236	131.526	
2/24/2012 4:45	582303	19.151	68.923	0.225	131.515	
2/24/2012 5:00	583203	19.15	68.919	0.229	131.519	
2/24/2012 5:15	584103	19.15	68.93	0.218	131.508	
2/24/2012 5:30	585003	19.151	68.927	0.221	131.511	
2/24/2012 5:45	585903	19.151	68.928	0.22	131.51	
2/24/2012 6:00	586803	19.152	68.905	0.243	131.533	
2/24/2012 6:15	587703	19.149	68.932	0.216	131.506	
2/24/2012 6:30	588603	19.15	68.917	0.231	131.521	
2/24/2012 6:45	589503	19.151	68.914	0.234	131.524	
2/24/2012 7:00	590403	19.152	68.92	0.228	131.518	
2/24/2012 7:15	591303	19.155	68.916	0.232	131.522	
2/24/2012 7:30	592203	19.153	68.918	0.23	131.52	
2/24/2012 7:45	593103	19.154	68.937	0.211	131.501	
2/24/2012 8:00	594003	19.15	68.94	0.208	131.498	
2/24/2012 8:15	594903	19.152	68.922	0.226	131.516	
2/24/2012 8:30	595803	19.152	68.912	0.236	131.526	
2/24/2012 8:45	596703	19.155	68.922	0.226	131.516	
2/24/2012 9:00	597603	19.151	68.939	0.209	131.499	
2/24/2012 9:15	598503	19.155	68.928	0.22	131.51	
2/24/2012 9:30	599403	19.152	68.938	0.21	131.5	
2/24/2012 9:45	600303	19.152	68.922	0.226	131.516	
2/24/2012 10:00	601203	19.155	68.945	0.203	131.493	
2/24/2012 10:15	602103	19.155	68.93	0.218	131.508	
2/24/2012 10:30	603003	19.152	68.938	0.21	131.5	
2/24/2012 10:45	603903	19.151	68.934	0.214	131.504	
2/24/2012 11:00	604803	19.154	68.938	0.21	131.5	
2/24/2012 11:15	605703	19.152	68.945	0.203	131.493	
2/24/2012 11:30	606603	19.154	68.961	0.187	131.477	
2/24/2012 11:45	607503	19.153	68.967	0.181	131.471	
2/24/2012 12:00	608403	19.152	68.969	0.179	131.469	

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/24/2012 12:15	609303	19.156	68.987	0.161	131.451	
2/24/2012 12:30	610203	19.153	68.979	0.169	131.459	
2/24/2012 12:45	611103	19.154	68.991	0.157	131.447	
2/24/2012 13:00	612003	19.153	68.968	0.18	131.47	
2/24/2012 13:15	612903	19.154	68.997	0.151	131.441	
2/24/2012 13:30	613803	19.153	68.987	0.161	131.451	
2/24/2012 13:45	614703	19.154	68.978	0.17	131.46	
2/24/2012 14:00	615603	19.152	68.989	0.159	131.449	
2/24/2012 14:15	616503	19.152	68.991	0.157	131.447	
2/24/2012 14:30	617403	19.155	68.979	0.169	131.459	
2/24/2012 14:45	618303	19.155	68.975	0.173	131.463	
2/24/2012 15:00	619203	19.156	68.974	0.174	131.464	
2/24/2012 15:15	620103	19.153	68.967	0.181	131.471	
2/24/2012 15:30	621003	19.156	68.977	0.171	131.461	
2/24/2012 15:45	621903	19.155	68.971	0.177	131.467	
2/24/2012 16:00	622803	19.154	68.975	0.173	131.463	
2/24/2012 16:15	623703	19.156	68.987	0.161	131.451	
2/24/2012 16:30	624603	19.153	68.978	0.17	131.46	
2/24/2012 16:45	625503	19.155	68.992	0.156	131.446	
2/24/2012 17:00	626403	19.155	68.985	0.163	131.453	
2/24/2012 17:15	627303	19.156	68.999	0.149	131.439	
2/24/2012 17:30	628203	19.155	68.975	0.173	131.463	
2/24/2012 17:45	629103	19.154	68.977	0.171	131.461	
2/24/2012 18:00	630003	19.153	69	0.148	131.438	
2/24/2012 18:15	630903	19.155	69	0.148	131.438	
2/24/2012 18:30	631803	19.157	68.997	0.151	131.441	
2/24/2012 18:45	632703	19.154	68.969	0.179	131.469	
2/24/2012 19:00	633603	19.156	68.973	0.175	131.465	
2/24/2012 19:15	634503	19.156	68.975	0.173	131.463	
2/24/2012 19:30	635403	19.155	68.978	0.17	131.46	
2/24/2012 19:45	636303	19.155	68.963	0.185	131.475	

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/24/2012 20:00	637203	19.154	68.979	0.169	131.459		
2/24/2012 20:15	638103	19.154	68.975	0.173	131.463		
2/24/2012 20:30	639003	19.156	68.979	0.169	131.459		
2/24/2012 20:45	639903	19.157	68.983	0.165	131.455		
2/24/2012 21:00	640803	19.158	68.97	0.178	131.468		
2/24/2012 21:15	641703	19.155	68.978	0.17	131.46		
2/24/2012 21:30	642603	19.156	68.992	0.156	131.446		
2/24/2012 21:45	643503	19.156	68.978	0.17	131.46		
2/24/2012 22:00	644403	19.157	68.994	0.154	131.444		
2/24/2012 22:15	645303	19.158	68.963	0.185	131.475		
2/24/2012 22:30	646203	19.155	68.979	0.169	131.459		
2/24/2012 22:45	647103	19.156	68.971	0.177	131.467		
2/24/2012 23:00	648003	19.157	68.98	0.168	131.458		
2/24/2012 23:15	648903	19.157	68.981	0.167	131.457		
2/24/2012 23:30	649803	19.158	69.006	0.142	131.432		
2/24/2012 23:45	650703	19.154	68.992	0.156	131.446		
2/25/2012 0:00	651603	19.156	69.015	0.133	131.423		
2/25/2012 0:15	652503	19.156	69.012	0.136	131.426		
2/25/2012 0:30	653403	19.159	68.993	0.155	131.445		
2/25/2012 0:45	654303	19.158	69	0.148	131.438		
2/25/2012 1:00	655203	19.158	68.994	0.154	131.444		
2/25/2012 1:15	656103	19.158	68.984	0.164	131.454		
2/25/2012 1:30	657003	19.157	69.017	0.131	131.421		
2/25/2012 1:45	657903	19.157	69.014	0.134	131.424		
2/25/2012 2:00	658803	19.158	69.021	0.127	131.417		
2/25/2012 2:15	659703	19.154	69.007	0.141	131.431		
2/25/2012 2:30	660603	19.158	69.035	0.113	131.403		
2/25/2012 2:45	661503	19.159	69.033	0.115	131.405		
2/25/2012 3:00	662403	19.158	69.025	0.123	131.413		
2/25/2012 3:15	663303	19.159	69.033	0.115	131.405		
2/25/2012 3:30	664203	19.157	69.022	0.126	131.416		

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/25/2012 3:45	665103	19.157	69.018	0.13	131.42	
2/25/2012 4:00	666003	19.156	69.009	0.139	131.429	
2/25/2012 4:15	666903	19.158	69.006	0.142	131.432	
2/25/2012 4:30	667803	19.16	69.012	0.136	131.426	
2/25/2012 4:45	668703	19.158	69.016	0.132	131.422	
2/25/2012 5:00	669603	19.157	69.004	0.144	131.434	
2/25/2012 5:15	670503	19.156	69.02	0.128	131.418	
2/25/2012 5:30	671403	19.157	69.011	0.137	131.427	
2/25/2012 5:45	672303	19.158	69.021	0.127	131.417	
2/25/2012 6:00	673203	19.16	69.014	0.134	131.424	
2/25/2012 6:15	674103	19.157	69.018	0.13	131.42	
2/25/2012 6:30	675003	19.159	69.013	0.135	131.425	
2/25/2012 6:45	675903	19.158	69.02	0.128	131.418	
2/25/2012 7:00	676803	19.159	69.018	0.13	131.42	
2/25/2012 7:15	677703	19.159	69.005	0.143	131.433	
2/25/2012 7:30	678603	19.159	69.01	0.138	131.428	
2/25/2012 7:45	679503	19.159	69.003	0.145	131.435	
2/25/2012 8:00	680403	19.159	68.992	0.156	131.446	
2/25/2012 8:15	681303	19.159	68.996	0.152	131.442	
2/25/2012 8:30	682203	19.161	68.998	0.15	131.44	
2/25/2012 8:45	683103	19.16	68.989	0.159	131.449	
2/25/2012 9:00	684003	19.157	69.002	0.146	131.436	
2/25/2012 9:15	684903	19.159	69.017	0.131	131.421	
2/25/2012 9:30	685803	19.159	69.019	0.129	131.419	
2/25/2012 9:45	686703	19.162	69.016	0.132	131.422	
2/25/2012 10:00	687603	19.159	69.036	0.112	131.402	
2/25/2012 10:15	688503	19.16	69.018	0.13	131.42	
2/25/2012 10:30	689403	19.16	69.025	0.123	131.413	
2/25/2012 10:45	690303	19.159	69.027	0.121	131.411	
2/25/2012 11:00	691203	19.159	69.005	0.143	131.433	
2/25/2012 11:15	692103	19.159	69.02	0.128	131.418	

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/25/2012 11:30	693003	19.16	69.018	0.13	131.42	
2/25/2012 11:45	693903	19.16	69.038	0.11	131.4	
2/25/2012 12:00	694803	19.159	69.047	0.101	131.391	
2/25/2012 12:15	695703	19.159	69.045	0.103	131.393	
2/25/2012 12:30	696603	19.16	69.046	0.102	131.392	
2/25/2012 12:45	697503	19.163	69.051	0.097	131.387	
2/25/2012 13:00	698403	19.16	69.035	0.113	131.403	
2/25/2012 13:15	699303	19.159	69.03	0.118	131.408	
2/25/2012 13:30	700203	19.161	69.056	0.092	131.382	
2/25/2012 13:45	701103	19.159	69.048	0.1	131.39	
2/25/2012 14:00	702003	19.163	69.022	0.126	131.416	
2/25/2012 14:15	702903	19.159	69.044	0.104	131.394	
2/25/2012 14:30	703803	19.157	69.047	0.101	131.391	
2/25/2012 14:45	704703	19.16	69.043	0.105	131.395	
2/25/2012 15:00	705603	19.161	69.046	0.102	131.392	
2/25/2012 15:15	706503	19.158	69.048	0.1	131.39	
2/25/2012 15:30	707403	19.159	69.036	0.112	131.402	
2/25/2012 15:45	708303	19.159	69.03	0.118	131.408	
2/25/2012 16:00	709203	19.16	69.051	0.097	131.387	
2/25/2012 16:15	710103	19.162	69.061	0.087	131.377	
2/25/2012 16:30	711003	19.16	69.024	0.124	131.414	
2/25/2012 16:45	711903	19.161	69.049	0.099	131.389	
2/25/2012 17:00	712803	19.16	69.034	0.114	131.404	
2/25/2012 17:15	713703	19.162	69.033	0.115	131.405	
2/25/2012 17:30	714603	19.159	69.058	0.09	131.38	
2/25/2012 17:45	715503	19.16	69.054	0.094	131.384	
2/25/2012 18:00	716403	19.162	69.052	0.096	131.386	
2/25/2012 18:15	717303	19.161	69.06	0.088	131.378	
2/25/2012 18:30	718203	19.163	69.024	0.124	131.414	
2/25/2012 18:45	719103	19.161	69.023	0.125	131.415	
2/25/2012 19:00	720003	19.162	69.053	0.095	131.385	

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BrightSource Energy
Hidden Hills Ranch Site, California

2/25/2012 19:15	720903	19.159	69.044	0.104	131.394		
2/25/2012 19:30	721803	19.162	69.051	0.097	131.387		
2/25/2012 19:45	722703	19.16	69.043	0.105	131.395		
2/25/2012 20:00	723603	19.162	69.041	0.107	131.397		
2/25/2012 20:15	724503	19.164	69.037	0.111	131.401		
2/25/2012 20:30	725403	19.162	69.033	0.115	131.405		
2/25/2012 20:45	726303	19.161	69.027	0.121	131.411		
2/25/2012 21:00	727203	19.161	69.02	0.128	131.418		
2/25/2012 21:15	728103	19.163	69.041	0.107	131.397		
2/25/2012 21:30	729003	19.161	69.028	0.12	131.41		
2/25/2012 21:45	729903	19.163	69.044	0.104	131.394		
2/25/2012 22:00	730803	19.162	69.02	0.128	131.418		
2/25/2012 22:15	731703	19.162	69.032	0.116	131.406		
2/25/2012 22:30	732603	19.162	69.045	0.103	131.393		
2/25/2012 22:45	733503	19.162	69.041	0.107	131.397		
2/25/2012 23:00	734403	19.162	69.019	0.129	131.419		
2/25/2012 23:15	735303	19.163	69.015	0.133	131.423		
2/25/2012 23:30	736203	19.161	69.046	0.102	131.392		
2/25/2012 23:45	737103	19.163	69.038	0.11	131.4		
2/26/2012 0:00	738003	19.162	69.057	0.091	131.381		
2/26/2012 0:15	738903	19.163	69.036	0.112	131.402		
2/26/2012 0:30	739803	19.163	69.02	0.128	131.418		
2/26/2012 0:45	740703	19.162	69.016	0.132	131.422		
2/26/2012 1:00	741603	19.162	69.05	0.098	131.388		
2/26/2012 1:15	742503	19.162	69.043	0.105	131.395		
2/26/2012 1:30	743403	19.161	69.043	0.105	131.395		
2/26/2012 1:45	744303	19.162	69.023	0.125	131.415		
2/26/2012 2:00	745203	19.162	69.052	0.096	131.386		
2/26/2012 2:15	746103	19.16	69.053	0.095	131.385		
2/26/2012 2:30	747003	19.163	69.057	0.091	131.381		
2/26/2012 2:45	747903	19.161	69.039	0.109	131.399		

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/26/2012 3:00	748803	19.161	69.017	0.131	131.421		
2/26/2012 3:15	749703	19.162	69.031	0.117	131.407		
2/26/2012 3:30	750603	19.162	69.057	0.091	131.381		
2/26/2012 3:45	751503	19.16	69.035	0.113	131.403		
2/26/2012 4:00	752403	19.163	69.054	0.094	131.384		
2/26/2012 4:15	753303	19.162	69.047	0.101	131.391		
2/26/2012 4:30	754203	19.164	69.041	0.107	131.397		
2/26/2012 4:45	755103	19.165	69.028	0.12	131.41		
2/26/2012 5:00	756003	19.163	69.045	0.103	131.393		
2/26/2012 5:15	756903	19.165	69.027	0.121	131.411		
2/26/2012 5:30	757803	19.165	69.048	0.1	131.39		
2/26/2012 5:45	758703	19.164	69.051	0.097	131.387		
2/26/2012 6:00	759603	19.162	69.045	0.103	131.393		
2/26/2012 6:15	760503	19.164	69.039	0.109	131.399		
2/26/2012 6:30	761403	19.162	69.017	0.131	131.421		
2/26/2012 6:45	762303	19.163	69.054	0.094	131.384		
2/26/2012 7:00	763203	19.163	69.015	0.133	131.423		
2/26/2012 7:15	764103	19.163	69.053	0.095	131.385		
2/26/2012 7:30	765003	19.162	69.047	0.101	131.391		
2/26/2012 7:45	765903	19.163	69.036	0.112	131.402		
2/26/2012 8:00	766803	19.163	69.046	0.102	131.392		
2/26/2012 8:15	767703	19.162	69.045	0.103	131.393		
2/26/2012 8:30	768603	19.165	69.045	0.103	131.393		
2/26/2012 8:45	769503	19.163	69.052	0.096	131.386		
2/26/2012 9:00	770403	19.164	69.051	0.097	131.387		
2/26/2012 9:15	771303	19.162	69.052	0.096	131.386		
2/26/2012 9:30	772203	19.162	69.053	0.095	131.385		
2/26/2012 9:45	773103	19.163	69.055	0.093	131.383		
2/26/2012 10:00	774003	19.163	69.061	0.087	131.377		
2/26/2012 10:15	774903	19.165	69.06	0.088	131.378		
2/26/2012 10:30	775803	19.164	69.033	0.115	131.405		

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/26/2012 10:45	776703	19.165	69.057	0.091	131.381		
2/26/2012 11:00	777603	19.165	69.064	0.084	131.374		
2/26/2012 11:15	778503	19.166	69.048	0.1	131.39		
2/26/2012 11:30	779403	19.164	69.067	0.081	131.371		
2/26/2012 11:45	780303	19.164	69.06	0.088	131.378		
2/26/2012 12:00	781203	19.164	69.08	0.068	131.358		
2/26/2012 12:15	782103	19.163	69.083	0.065	131.355		
2/26/2012 12:30	783003	19.163	69.069	0.079	131.369		
2/26/2012 12:45	783903	19.165	69.089	0.059	131.349		
2/26/2012 13:00	784803	19.164	69.082	0.066	131.356		
2/26/2012 13:15	785703	19.165	69.077	0.071	131.361		
2/26/2012 13:30	786603	19.162	69.058	0.09	131.38		
2/26/2012 13:45	787503	19.164	69.069	0.079	131.369		
2/26/2012 14:00	788403	19.163	69.078	0.07	131.36		
2/26/2012 14:15	789303	19.164	69.08	0.068	131.358		
2/26/2012 14:30	790203	19.163	69.067	0.081	131.371		
2/26/2012 14:45	791103	19.166	69.063	0.085	131.375		
2/26/2012 15:00	792003	19.163	69.084	0.064	131.354		
2/26/2012 15:15	792903	19.164	69.078	0.07	131.36		
2/26/2012 15:30	793803	19.167	69.092	0.056	131.346		
2/26/2012 15:45	794703	19.162	69.092	0.056	131.346		
2/26/2012 16:00	795603	19.164	69.072	0.076	131.366		
2/26/2012 16:15	796503	19.166	69.069	0.079	131.369		
2/26/2012 16:30	797403	19.164	69.089	0.059	131.349		
2/26/2012 16:45	798303	19.165	69.089	0.059	131.349		
2/26/2012 17:00	799203	19.165	69.084	0.064	131.354		
2/26/2012 17:15	800103	19.163	69.087	0.061	131.351		
2/26/2012 17:30	801003	19.167	69.084	0.064	131.354		
2/26/2012 17:45	801903	19.165	69.084	0.064	131.354		
2/26/2012 18:00	802803	19.167	69.081	0.067	131.357		
2/26/2012 18:15	803703	19.162	69.066	0.082	131.372		

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/26/2012 18:30	804603	19.164	69.061	0.087	131.377		
2/26/2012 18:45	805503	19.167	69.09	0.058	131.348		
2/26/2012 19:00	806403	19.164	69.091	0.057	131.347		
2/26/2012 19:15	807303	19.165	69.08	0.068	131.358		
2/26/2012 19:30	808203	19.166	69.064	0.084	131.374		
2/26/2012 19:45	809103	19.165	69.065	0.083	131.373		
2/26/2012 20:00	810003	19.165	69.078	0.07	131.36		
2/26/2012 20:15	810903	19.165	69.084	0.064	131.354		
2/26/2012 20:30	811803	19.166	69.086	0.062	131.352		
2/26/2012 20:45	812703	19.167	69.059	0.089	131.379		
2/26/2012 21:00	813603	19.166	69.084	0.064	131.354		
2/26/2012 21:15	814503	19.165	69.075	0.073	131.363		
2/26/2012 21:30	815403	19.164	69.086	0.062	131.352		
2/26/2012 21:45	816303	19.168	69.082	0.066	131.356		
2/26/2012 22:00	817203	19.166	69.085	0.063	131.353		
2/26/2012 22:15	818103	19.164	69.09	0.058	131.348		
2/26/2012 22:30	819003	19.167	69.089	0.059	131.349		
2/26/2012 22:45	819903	19.168	69.071	0.077	131.367		
2/26/2012 23:00	820803	19.165	69.086	0.062	131.352		
2/26/2012 23:15	821703	19.165	69.068	0.08	131.37		
2/26/2012 23:30	822603	19.166	69.082	0.066	131.356		
2/26/2012 23:45	823503	19.168	69.085	0.063	131.353		
2/27/2012 0:00	824403	19.166	69.089	0.059	131.349		
2/27/2012 0:15	825303	19.17	69.088	0.06	131.35		
2/27/2012 0:30	826203	19.165	69.081	0.067	131.357		
2/27/2012 0:45	827103	19.164	69.09	0.058	131.348		
2/27/2012 1:00	828003	19.168	69.085	0.063	131.353		
2/27/2012 1:15	828903	19.166	69.091	0.057	131.347		
2/27/2012 1:30	829803	19.164	69.072	0.076	131.366		
2/27/2012 1:45	830703	19.164	69.076	0.072	131.362		
2/27/2012 2:00	831603	19.166	69.09	0.058	131.348		

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/27/2012 2:15	832503	19.166	69.089	0.059	131.349		
2/27/2012 2:30	833403	19.169	69.093	0.055	131.345		
2/27/2012 2:45	834303	19.164	69.09	0.058	131.348		
2/27/2012 3:00	835203	19.17	69.087	0.061	131.351		
2/27/2012 3:15	836103	19.167	69.089	0.059	131.349		
2/27/2012 3:30	837003	19.167	69.092	0.056	131.346		
2/27/2012 3:45	837903	19.167	69.087	0.061	131.351		
2/27/2012 4:00	838803	19.166	69.089	0.059	131.349		
2/27/2012 4:15	839703	19.168	69.081	0.067	131.357		
2/27/2012 4:30	840603	19.167	69.077	0.071	131.361		
2/27/2012 4:45	841503	19.166	69.078	0.07	131.36		
2/27/2012 5:00	842403	19.172	69.055	0.093	131.383		
2/27/2012 5:15	843303	19.167	69.078	0.07	131.36		
2/27/2012 5:30	844203	19.169	69.074	0.074	131.364		
2/27/2012 5:45	845103	19.166	69.058	0.09	131.38		
2/27/2012 6:00	846003	19.167	69.073	0.075	131.365		
2/27/2012 6:15	846903	19.167	69.078	0.07	131.36		
2/27/2012 6:30	847803	19.166	69.07	0.078	131.368		
2/27/2012 6:45	848703	19.165	69.086	0.062	131.352		
2/27/2012 7:00	849603	19.169	69.046	0.102	131.392		
2/27/2012 7:15	850503	19.167	69.078	0.07	131.36		
2/27/2012 7:30	851403	19.166	69.081	0.067	131.357		
2/27/2012 7:45	852303	19.166	69.073	0.075	131.365		
2/27/2012 8:00	853203	19.167	69.061	0.087	131.377		
2/27/2012 8:15	854103	19.167	69.073	0.075	131.365		
2/27/2012 8:30	855003	19.168	69.073	0.075	131.365		
2/27/2012 8:45	855903	19.168	69.078	0.07	131.36		
2/27/2012 9:00	856803	19.17	69.065	0.083	131.373		
2/27/2012 9:15	857703	19.167	69.09	0.058	131.348		
2/27/2012 9:30	858603	19.168	69.073	0.075	131.365		
2/27/2012 9:45	859503	19.166	69.084	0.064	131.354		

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MW-3 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/27/2012 10:00	860403	19.167	69.083	0.065	131.355		
2/27/2012 10:15	861303	19.167	69.084	0.064	131.354		
2/27/2012 10:30	862203	19.168	69.091	0.057	131.347		
2/27/2012 10:45	863103	19.167	69.084	0.064	131.354		
2/27/2012 11:00	864003	19.166	69.092	0.056	131.346		
2/27/2012 11:15	864903	19.167	69.083	0.065	131.355		
2/27/2012 11:30	865803	19.168	69.095	0.053	131.343		
2/27/2012 11:45	866703	19.167	69.097	0.051	131.341		
2/27/2012 12:00	867603	19.166	69.1	0.048	131.338		
2/27/2012 12:15	868503	19.166	69.097	0.051	131.341		
2/27/2012 12:30	869403	19.169	69.082	0.066	131.356		
2/27/2012 12:45	870303	19.169	69.099	0.049	131.339		
2/27/2012 13:00	871203	19.169	69.106	0.042	131.332		
2/27/2012 13:15	872103	19.167	69.077	0.071	131.361		
2/27/2012 13:30	873003	19.166	69.108	0.04	131.33		
2/27/2012 13:45	873903	19.169	69.103	0.045	131.335		
2/27/2012 14:00	874803	19.167	69.1	0.048	131.338		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/13/2012 15:00	-331200	19.251	67.354	0	132.29	132.29	DEPLOYED
2/13/2012 16:00	-327600	19.253	67.347	0.007	132.297		
2/13/2012 17:00	-324000	19.247	67.341	0.013	132.303		
2/13/2012 18:00	-320400	19.253	67.336	0.018	132.308		
2/13/2012 19:00	-316800	19.25	67.357	-0.003	132.287		
2/13/2012 20:00	-313200	19.252	67.378	-0.024	132.266		
2/13/2012 21:00	-309600	19.253	67.36	-0.006	132.284		
2/13/2012 22:00	-306000	19.254	67.372	-0.018	132.272		
2/13/2012 23:00	-302400	19.254	67.374	-0.02	132.27		
2/14/2012 0:00	-298800	19.256	67.352	0.002	132.292		
2/14/2012 1:00	-295200	19.256	67.356	-0.002	132.288		
2/14/2012 2:00	-291600	19.257	67.361	-0.007	132.283		
2/14/2012 3:00	-288000	19.256	67.371	-0.017	132.273		
2/14/2012 4:00	-284400	19.257	67.349	0.005	132.295		
2/14/2012 5:00	-280800	19.26	67.36	-0.006	132.284		
2/14/2012 6:00	-277200	19.259	67.34	0.014	132.304		
2/14/2012 7:00	-273600	19.261	67.357	-0.003	132.287		
2/14/2012 8:00	-270000	19.257	67.363	-0.009	132.281		
2/14/2012 9:00	-266400	19.262	67.346	0.008	132.298		
2/14/2012 10:00	-262800	19.261	67.341	0.013	132.303		
2/14/2012 11:00	-259200	19.259	67.34	0.014	132.304		
2/14/2012 12:00	-255600	19.263	67.349	0.005	132.295		
2/14/2012 13:00	-252000	19.261	67.372	-0.018	132.272		
2/14/2012 14:00	-248400	19.26	67.368	-0.014	132.276		
2/14/2012 15:00	-244800	19.258	67.366	-0.012	132.278		
2/14/2012 16:00	-241200	19.26	67.37	-0.016	132.274		
2/14/2012 17:00	-237600	19.262	67.357	-0.003	132.287		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/14/2012 18:00	-234000	19.261	67.353	0.001	132.291		
2/14/2012 19:00	-230400	19.258	67.339	0.015	132.305		
2/14/2012 20:00	-226800	19.258	67.369	-0.015	132.275		
2/14/2012 21:00	-223200	19.262	67.35	0.004	132.294		
2/14/2012 22:00	-219600	19.259	67.367	-0.013	132.277		
2/14/2012 23:00	-216000	19.259	67.362	-0.008	132.282		
2/15/2012 0:00	-212400	19.26	67.36	-0.006	132.284		
2/15/2012 1:00	-208800	19.26	67.381	-0.027	132.263		
2/15/2012 2:00	-205200	19.261	67.366	-0.012	132.278		
2/15/2012 3:00	-201600	19.262	67.369	-0.015	132.275		
2/15/2012 4:00	-198000	19.258	67.381	-0.027	132.263		
2/15/2012 5:00	-194400	19.259	67.406	-0.052	132.238		
2/15/2012 6:00	-190800	19.26	67.377	-0.023	132.267		
2/15/2012 7:00	-187200	19.259	67.377	-0.023	132.267		
2/15/2012 8:00	-183600	19.26	67.36	-0.006	132.284		
2/15/2012 9:00	-180000	19.261	67.361	-0.007	132.283		
2/15/2012 10:00	-176400	19.263	67.368	-0.014	132.276		
2/15/2012 11:00	-172800	19.258	67.364	-0.01	132.28		
2/15/2012 12:00	-169200	19.262	67.361	-0.007	132.283		
2/15/2012 13:00	-165600	19.262	67.381	-0.027	132.263		
2/15/2012 14:00	-162000	19.263	67.36	-0.006	132.284		
2/15/2012 15:00	-158400	19.26	67.465	-0.111	132.179		Level TROLL lowered- ~0.1 feet (well dock)
2/15/2012 16:00	-154800	19.258	67.454	-0.1	132.19		
2/15/2012 17:00	-151200	19.259	67.454	-0.1	132.19		
2/15/2012 18:00	-147600	19.263	67.457	-0.103	132.187		
2/15/2012 19:00	-144000	19.259	67.431	-0.077	132.213		
2/15/2012 20:00	-140400	19.258	67.433	-0.079	132.211		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/15/2012 21:00	-136800	19.26	67.432	-0.078	132.212		
2/15/2012 22:00	-133200	19.259	67.431	-0.077	132.213		
2/15/2012 23:00	-129600	19.262	67.43	-0.076	132.214		
2/16/2012 0:00	-126000	19.26	67.446	-0.092	132.198		
2/16/2012 1:00	-122400	19.26	67.465	-0.111	132.179		
2/16/2012 2:00	-118800	19.261	67.435	-0.081	132.209		
2/16/2012 3:00	-115200	19.26	67.444	-0.09	132.2		
2/16/2012 4:00	-111600	19.257	67.47	-0.116	132.174		
2/16/2012 5:00	-108000	19.259	67.465	-0.111	132.179		
2/16/2012 6:00	-104400	19.259	67.449	-0.095	132.195		
2/16/2012 7:00	-100800	19.257	67.433	-0.079	132.211		
2/16/2012 8:00	-97200	19.261	67.43	-0.076	132.214		
2/16/2012 9:00	-93600	19.26	67.426	-0.072	132.218		
2/16/2012 10:00	-90000	19.26	67.436	-0.082	132.208		
2/16/2012 11:00	-86400	19.261	67.453	-0.099	132.191		
2/16/2012 12:00	-82800	19.258	67.458	-0.104	132.186		
2/16/2012 13:00	-79200	19.261	67.472	-0.118	132.172		
2/16/2012 14:00	-75600	19.26	67.48	-0.126	132.164		
2/16/2012 15:00	-72000	19.259	67.468	-0.114	132.176		
2/16/2012 16:00	-68400	19.261	67.466	-0.112	132.178		
2/16/2012 17:00	-64800	19.255	67.061	0.293	132.583		
2/16/2012 18:00	-61200	19.256	67.331	0.023	132.313		
2/16/2012 19:00	-57600	19.258	67.362	-0.008	132.282		
2/16/2012 20:00	-54000	19.258	67.391	-0.037	132.253		
2/16/2012 21:00	-50400	19.256	67.395	-0.041	132.249		
2/16/2012 22:00	-46800	19.254	67.398	-0.044	132.246		
2/16/2012 23:00	-43200	19.252	67.405	-0.051	132.239		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 0:00	-39600	19.253	67.418	-0.064	132.226		
2/17/2012 1:00	-36000	19.255	67.426	-0.072	132.218		
2/17/2012 2:00	-32400	19.257	67.423	-0.069	132.221		
2/17/2012 3:00	-28800	19.259	67.425	-0.071	132.219		
2/17/2012 4:00	-25200	19.257	67.443	-0.089	132.201		
2/17/2012 5:00	-21600	19.256	67.433	-0.079	132.211		
2/17/2012 6:00	-18000	19.255	67.419	-0.065	132.225		
2/17/2012 7:00	-14400	19.256	67.418	-0.064	132.226		
2/17/2012 8:00	-10800	19.254	67.424	-0.07	132.22		
2/17/2012 9:00	-7200	19.257	67.438	-0.084	132.206		
2/17/2012 10:00	-3600	19.255	67.427	-0.073	132.217	132.32	
2/17/2012 10:30	-1800	19.259	67.433	0	132.32	132.32	
2/17/2012 10:45	-900	19.258	67.43	0.003	132.323		
2/17/2012 11:00	0	19.258	67.452	-0.019	132.301		Start of Aquifer Test ~1104
2/17/2012 11:15	900	19.257	66.853	0.58	132.9		
2/17/2012 11:30	1800	19.249	66.308	1.125	133.445		
2/17/2012 11:45	2700	19.238	66.048	1.385	133.705		
2/17/2012 12:00	3600	19.227	65.916	1.517	133.837		
2/17/2012 12:15	4500	19.177	65.819	1.614	133.934		
2/17/2012 12:30	5400	19.162	65.686	1.747	134.067		
2/17/2012 12:45	6300	19.156	65.689	1.744	134.064		
2/17/2012 13:00	7200	19.156	65.571	1.862	134.182		
2/17/2012 13:15	8100	19.152	65.514	1.919	134.239		
2/17/2012 13:30	9000	19.149	65.503	1.93	134.25		
2/17/2012 13:45	9900	19.147	65.337	2.096	134.416		
2/17/2012 14:00	10800	19.142	65.258	2.175	134.495		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 14:15	11700	19.14	65.225	2.208	134.528		
2/17/2012 14:30	12600	19.139	65.202	2.231	134.551		
2/17/2012 14:45	13500	19.139	65.164	2.269	134.589		
2/17/2012 15:00	14400	19.136	65.139	2.294	134.614		
2/17/2012 15:15	15300	19.136	65.074	2.359	134.679		
2/17/2012 15:30	16200	19.134	64.995	2.438	134.758		
2/17/2012 15:45	17100	19.134	64.99	2.443	134.763		
2/17/2012 16:00	18000	19.133	64.97	2.463	134.783		
2/17/2012 16:15	18900	19.138	64.985	2.448	134.768		
2/17/2012 16:30	19800	19.134	64.963	2.47	134.79		
2/17/2012 16:45	20700	19.135	64.966	2.467	134.787		
2/17/2012 17:00	21600	19.133	64.955	2.478	134.798	134.77	
2/17/2012 17:15	22500	19.135	64.914	2.519	134.839		
2/17/2012 17:30	23400	19.134	64.893	2.54	134.86		
2/17/2012 17:45	24300	19.132	64.886	2.547	134.867		
2/17/2012 18:00	25200	19.132	64.894	2.539	134.859		
2/17/2012 18:15	26100	19.131	64.864	2.569	134.889		
2/17/2012 18:30	27000	19.134	64.809	2.624	134.944		
2/17/2012 18:45	27900	19.132	64.794	2.639	134.959		
2/17/2012 19:00	28800	19.131	64.791	2.642	134.962		
2/17/2012 19:15	29700	19.133	64.792	2.641	134.961		
2/17/2012 19:30	30600	19.13	64.796	2.637	134.957		
2/17/2012 19:45	31500	19.133	64.792	2.641	134.961		
2/17/2012 20:00	32400	19.129	64.784	2.649	134.969		
2/17/2012 20:15	33300	19.129	64.773	2.66	134.98		
2/17/2012 20:30	34200	19.131	64.775	2.658	134.978		
2/17/2012 20:45	35100	19.134	64.797	2.636	134.956		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 21:00	36000	19.132	64.826	2.607	134.927		
2/17/2012 21:15	36900	19.133	64.866	2.567	134.887		
2/17/2012 21:30	37800	19.133	64.941	2.492	134.812		
2/17/2012 21:45	38700	19.134	65.013	2.42	134.74		
2/17/2012 22:00	39600	19.133	65.079	2.354	134.674		
2/17/2012 22:15	40500	19.134	64.919	2.514	134.834		
2/17/2012 22:30	41400	19.133	64.83	2.603	134.923		
2/17/2012 22:45	42300	19.131	64.821	2.612	134.932		
2/17/2012 23:00	43200	19.131	64.84	2.593	134.913		
2/17/2012 23:15	44100	19.13	64.743	2.69	135.01		
2/17/2012 23:30	45000	19.13	64.69	2.743	135.063		
2/17/2012 23:45	45900	19.129	64.671	2.762	135.082		
2/18/2012 0:00	46800	19.13	64.66	2.773	135.093		
2/18/2012 0:15	47700	19.129	64.639	2.794	135.114		
2/18/2012 0:30	48600	19.129	64.647	2.786	135.106		
2/18/2012 0:45	49500	19.127	64.64	2.793	135.113		
2/18/2012 1:00	50400	19.133	64.639	2.794	135.114		
2/18/2012 1:15	51300	19.127	64.63	2.803	135.123		
2/18/2012 1:30	52200	19.13	64.632	2.801	135.121		
2/18/2012 1:45	53100	19.129	64.629	2.804	135.124		
2/18/2012 2:00	54000	19.13	64.646	2.787	135.107		
2/18/2012 2:15	54900	19.131	64.578	2.855	135.175		
2/18/2012 2:30	55800	19.131	64.539	2.894	135.214		
2/18/2012 2:45	56700	19.127	64.524	2.909	135.229		
2/18/2012 3:00	57600	19.13	64.524	2.909	135.229		
2/18/2012 3:15	58500	19.125	64.514	2.919	135.239		
2/18/2012 3:30	59400	19.127	64.519	2.914	135.234		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 3:45	60300	19.125	64.494	2.939	135.259		
2/18/2012 4:00	61200	19.125	64.495	2.938	135.258		
2/18/2012 4:15	62100	19.129	64.473	2.96	135.28		
2/18/2012 4:30	63000	19.129	64.438	2.995	135.315		
2/18/2012 4:45	63900	19.125	64.424	3.009	135.329		
2/18/2012 5:00	64800	19.126	64.407	3.026	135.346		
2/18/2012 5:15	65700	19.128	64.413	3.02	135.34		
2/18/2012 5:30	66600	19.129	64.417	3.016	135.336		
2/18/2012 5:45	67500	19.126	64.414	3.019	135.339		
2/18/2012 6:00	68400	19.127	64.419	3.014	135.334		
2/18/2012 6:15	69300	19.127	64.335	3.098	135.418		
2/18/2012 6:30	70200	19.127	64.314	3.119	135.439		
2/18/2012 6:45	71100	19.125	64.298	3.135	135.455		
2/18/2012 7:00	72000	19.125	64.291	3.142	135.462		
2/18/2012 7:15	72900	19.127	64.287	3.146	135.466		
2/18/2012 7:30	73800	19.126	64.275	3.158	135.478		
2/18/2012 7:45	74700	19.127	64.28	3.153	135.473		
2/18/2012 8:00	75600	19.128	64.267	3.166	135.486		
2/18/2012 8:15	76500	19.125	64.273	3.16	135.48		
2/18/2012 8:30	77400	19.125	64.274	3.159	135.479		
2/18/2012 8:45	78300	19.126	64.26	3.173	135.493		
2/18/2012 9:00	79200	19.126	64.26	3.173	135.493		
2/18/2012 9:15	80100	19.127	64.257	3.176	135.496		
2/18/2012 9:30	81000	19.127	64.257	3.176	135.496		
2/18/2012 9:45	81900	19.126	64.323	3.11	135.43		
2/18/2012 10:00	82800	19.125	64.337	3.096	135.416		
2/18/2012 10:15	83700	19.129	64.334	3.099	135.419		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 10:30	84600	19.127	64.322	3.111	135.431		
2/18/2012 10:45	85500	19.125	64.325	3.108	135.428		
2/18/2012 11:00	86400	19.125	64.329	3.104	135.424		
2/18/2012 11:15	87300	19.123	64.329	3.104	135.424		
2/18/2012 11:30	88200	19.123	64.346	3.087	135.407		
2/18/2012 11:45	89100	19.124	64.331	3.102	135.422		
2/18/2012 12:00	90000	19.124	64.348	3.085	135.405		
2/18/2012 12:15	90900	19.123	64.313	3.12	135.44		
2/18/2012 12:30	91800	19.126	64.282	3.151	135.471		
2/18/2012 12:45	92700	19.125	64.253	3.18	135.5		
2/18/2012 13:00	93600	19.126	64.257	3.176	135.496		
2/18/2012 13:15	94500	19.122	64.248	3.185	135.505		
2/18/2012 13:30	95400	19.126	64.254	3.179	135.499		
2/18/2012 13:45	96300	19.124	64.254	3.179	135.499		
2/18/2012 14:00	97200	19.125	64.235	3.198	135.518		
2/18/2012 14:15	98100	19.123	64.243	3.19	135.51		
2/18/2012 14:30	99000	19.123	64.235	3.198	135.518		
2/18/2012 14:45	99900	19.124	64.243	3.19	135.51		
2/18/2012 15:00	100800	19.125	64.249	3.184	135.504		
2/18/2012 15:15	101700	19.127	64.222	3.211	135.531		
2/18/2012 15:30	102600	19.125	64.231	3.202	135.522		
2/18/2012 15:45	103500	19.123	64.235	3.198	135.518		
2/18/2012 16:00	104400	19.126	64.248	3.185	135.505		
2/18/2012 16:15	105300	19.121	64.235	3.198	135.518		
2/18/2012 16:30	106200	19.123	64.235	3.198	135.518		
2/18/2012 16:45	107100	19.123	64.224	3.209	135.529		
2/18/2012 17:00	108000	19.125	64.218	3.215	135.535		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 17:15	108900	19.122	64.222	3.211	135.531		
2/18/2012 17:30	109800	19.123	64.231	3.202	135.522		
2/18/2012 17:45	110700	19.125	64.231	3.202	135.522		
2/18/2012 18:00	111600	19.126	64.228	3.205	135.525		
2/18/2012 18:15	112500	19.123	64.222	3.211	135.531		
2/18/2012 18:30	113400	19.128	64.22	3.213	135.533		
2/18/2012 18:45	114300	19.126	64.213	3.22	135.54		
2/18/2012 19:00	115200	19.123	64.208	3.225	135.545		
2/18/2012 19:15	116100	19.125	64.203	3.23	135.55		
2/18/2012 19:30	117000	19.123	64.205	3.228	135.548		
2/18/2012 19:45	117900	19.124	64.21	3.223	135.543		
2/18/2012 20:00	118800	19.124	64.197	3.236	135.556		
2/18/2012 20:15	119700	19.125	64.201	3.232	135.552		
2/18/2012 20:30	120600	19.126	64.212	3.221	135.541		
2/18/2012 20:45	121500	19.127	64.201	3.232	135.552		
2/18/2012 21:00	122400	19.124	64.204	3.229	135.549		
2/18/2012 21:15	123300	19.127	64.205	3.228	135.548		
2/18/2012 21:30	124200	19.125	64.208	3.225	135.545		
2/18/2012 21:45	125100	19.122	64.213	3.22	135.54		
2/18/2012 22:00	126000	19.123	64.215	3.218	135.538		
2/18/2012 22:15	126900	19.127	64.219	3.214	135.534		
2/18/2012 22:30	127800	19.121	64.216	3.217	135.537		
2/18/2012 22:45	128700	19.122	64.227	3.206	135.526		
2/18/2012 23:00	129600	19.124	64.225	3.208	135.528		
2/18/2012 23:15	130500	19.124	64.228	3.205	135.525		
2/18/2012 23:30	131400	19.123	64.222	3.211	135.531		
2/18/2012 23:45	132300	19.128	64.228	3.205	135.525		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 0:00	133200	19.125	64.228	3.205	135.525		
2/19/2012 0:15	134100	19.126	64.231	3.202	135.522		
2/19/2012 0:30	135000	19.125	64.237	3.196	135.516		
2/19/2012 0:45	135900	19.122	64.22	3.213	135.533		
2/19/2012 1:00	136800	19.124	64.229	3.204	135.524		
2/19/2012 1:15	137700	19.123	64.199	3.234	135.554		
2/19/2012 1:30	138600	19.124	64.203	3.23	135.55		
2/19/2012 1:45	139500	19.127	64.201	3.232	135.552		
2/19/2012 2:00	140400	19.121	64.184	3.249	135.569		
2/19/2012 2:15	141300	19.124	64.191	3.242	135.562		
2/19/2012 2:30	142200	19.123	64.19	3.243	135.563		
2/19/2012 2:45	143100	19.126	64.193	3.24	135.56		
2/19/2012 3:00	144000	19.126	64.198	3.235	135.555		
2/19/2012 3:15	144900	19.123	64.201	3.232	135.552		
2/19/2012 3:30	145800	19.122	64.197	3.236	135.556		
2/19/2012 3:45	146700	19.125	64.197	3.236	135.556		
2/19/2012 4:00	147600	19.125	64.189	3.244	135.564		
2/19/2012 4:15	148500	19.123	64.184	3.249	135.569		
2/19/2012 4:30	149400	19.122	64.201	3.232	135.552		
2/19/2012 4:45	150300	19.123	64.178	3.255	135.575		
2/19/2012 5:00	151200	19.123	64.189	3.244	135.564		
2/19/2012 5:15	152100	19.125	64.172	3.261	135.581		
2/19/2012 5:30	153000	19.125	64.168	3.265	135.585		
2/19/2012 5:45	153900	19.124	64.168	3.265	135.585		
2/19/2012 6:00	154800	19.121	64.153	3.28	135.6		
2/19/2012 6:15	155700	19.121	64.146	3.287	135.607		
2/19/2012 6:30	156600	19.123	64.148	3.285	135.605		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 6:45	157500	19.124	64.142	3.291	135.611		
2/19/2012 7:00	158400	19.123	64.138	3.295	135.615		
2/19/2012 7:15	159300	19.121	64.13	3.303	135.623		
2/19/2012 7:30	160200	19.125	64.128	3.305	135.625		
2/19/2012 7:45	161100	19.128	64.122	3.311	135.631		
2/19/2012 8:00	162000	19.123	64.136	3.297	135.617		
2/19/2012 8:15	162900	19.124	64.115	3.318	135.638		
2/19/2012 8:30	163800	19.123	64.097	3.336	135.656		
2/19/2012 8:45	164700	19.125	64.081	3.352	135.672		
2/19/2012 9:00	165600	19.125	64.062	3.371	135.691		
2/19/2012 9:15	166500	19.12	64.053	3.38	135.7		
2/19/2012 9:30	167400	19.123	64.035	3.398	135.718		
2/19/2012 9:45	168300	19.124	64.041	3.392	135.712		
2/19/2012 10:00	169200	19.124	64.037	3.396	135.716		
2/19/2012 10:15	170100	19.123	64.029	3.404	135.724		
2/19/2012 10:30	171000	19.123	64.027	3.406	135.726		
2/19/2012 10:45	171900	19.124	64.01	3.423	135.743		
2/19/2012 11:00	172800	19.122	64.014	3.419	135.739		
2/19/2012 11:15	173700	19.122	64.02	3.413	135.733		
2/19/2012 11:30	174600	19.119	63.991	3.442	135.762		
2/19/2012 11:45	175500	19.124	64	3.433	135.753		
2/19/2012 12:00	176400	19.123	63.991	3.442	135.762		
2/19/2012 12:15	177300	19.124	63.983	3.45	135.77		
2/19/2012 12:30	178200	19.124	63.981	3.452	135.772		
2/19/2012 12:45	179100	19.123	63.986	3.447	135.767		
2/19/2012 13:00	180000	19.124	63.981	3.452	135.772		
2/19/2012 13:15	180900	19.121	63.979	3.454	135.774		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 13:30	181800	19.121	63.979	3.454	135.774		
2/19/2012 13:45	182700	19.12	63.982	3.451	135.771		
2/19/2012 14:00	183600	19.122	63.968	3.465	135.785		
2/19/2012 14:15	184500	19.122	63.968	3.465	135.785		
2/19/2012 14:30	185400	19.122	63.972	3.461	135.781		
2/19/2012 14:45	186300	19.123	63.971	3.462	135.782		
2/19/2012 15:00	187200	19.122	63.955	3.478	135.798		
2/19/2012 15:15	188100	19.12	63.957	3.476	135.796		
2/19/2012 15:30	189000	19.121	63.955	3.478	135.798		
2/19/2012 15:45	189900	19.122	63.952	3.481	135.801		
2/19/2012 16:00	190800	19.122	63.948	3.485	135.805		
2/19/2012 16:15	191700	19.123	63.952	3.481	135.801		
2/19/2012 16:30	192600	19.123	63.937	3.496	135.816		
2/19/2012 16:45	193500	19.123	63.93	3.503	135.823		
2/19/2012 17:00	194400	19.12	63.941	3.492	135.812		
2/19/2012 17:15	195300	19.125	63.922	3.511	135.831		
2/19/2012 17:30	196200	19.123	63.936	3.497	135.817		
2/19/2012 17:45	197100	19.12	63.919	3.514	135.834		
2/19/2012 18:00	198000	19.122	63.926	3.507	135.827		
2/19/2012 18:15	198900	19.12	63.919	3.514	135.834		
2/19/2012 18:30	199800	19.122	63.907	3.526	135.846		
2/19/2012 18:45	200700	19.12	63.922	3.511	135.831		
2/19/2012 19:00	201600	19.12	63.901	3.532	135.852		
2/19/2012 19:15	202500	19.121	63.9	3.533	135.853		
2/19/2012 19:30	203400	19.121	63.901	3.532	135.852		
2/19/2012 19:45	204300	19.123	63.889	3.544	135.864		
2/19/2012 20:00	205200	19.122	63.883	3.55	135.87		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 20:15	206100	19.121	63.88	3.553	135.873		
2/19/2012 20:30	207000	19.123	63.862	3.571	135.891		
2/19/2012 20:45	207900	19.121	63.857	3.576	135.896		
2/19/2012 21:00	208800	19.12	63.849	3.584	135.904		
2/19/2012 21:15	209700	19.123	63.838	3.595	135.915		
2/19/2012 21:30	210600	19.123	63.851	3.582	135.902		
2/19/2012 21:45	211500	19.12	63.836	3.597	135.917		
2/19/2012 22:00	212400	19.119	63.846	3.587	135.907		
2/19/2012 22:15	213300	19.12	63.847	3.586	135.906		
2/19/2012 22:30	214200	19.121	63.845	3.588	135.908		
2/19/2012 22:45	215100	19.123	63.843	3.59	135.91		
2/19/2012 23:00	216000	19.121	63.834	3.599	135.919		
2/19/2012 23:15	216900	19.119	63.829	3.604	135.924		
2/19/2012 23:30	217800	19.121	63.836	3.597	135.917		
2/19/2012 23:45	218700	19.12	63.833	3.6	135.92		
2/20/2012 0:00	219600	19.12	63.828	3.605	135.925		
2/20/2012 0:15	220500	19.12	63.833	3.6	135.92		
2/20/2012 0:30	221400	19.12	63.807	3.626	135.946		
2/20/2012 0:45	222300	19.122	63.817	3.616	135.936		
2/20/2012 1:00	223200	19.12	63.801	3.632	135.952		
2/20/2012 1:15	224100	19.122	63.807	3.626	135.946		
2/20/2012 1:30	225000	19.121	63.806	3.627	135.947		
2/20/2012 1:45	225900	19.123	63.8	3.633	135.953		
2/20/2012 2:00	226800	19.122	63.817	3.616	135.936		
2/20/2012 2:15	227700	19.121	63.822	3.611	135.931		
2/20/2012 2:30	228600	19.122	63.798	3.635	135.955		
2/20/2012 2:45	229500	19.121	63.815	3.618	135.938		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 3:00	230400	19.12	63.811	3.622	135.942		
2/20/2012 3:15	231300	19.122	63.811	3.622	135.942		
2/20/2012 3:30	232200	19.12	63.818	3.615	135.935		
2/20/2012 3:45	233100	19.119	63.807	3.626	135.946		
2/20/2012 4:00	234000	19.122	63.81	3.623	135.943		
2/20/2012 4:15	234900	19.124	63.785	3.648	135.968		
2/20/2012 4:30	235800	19.121	63.77	3.663	135.983		
2/20/2012 4:45	236700	19.12	63.794	3.639	135.959		
2/20/2012 5:00	237600	19.12	63.771	3.662	135.982		
2/20/2012 5:15	238500	19.12	63.772	3.661	135.981		
2/20/2012 5:30	239400	19.119	63.777	3.656	135.976		
2/20/2012 5:45	240300	19.122	63.79	3.643	135.963		
2/20/2012 6:00	241200	19.12	63.778	3.655	135.975		
2/20/2012 6:15	242100	19.122	63.792	3.641	135.961		
2/20/2012 6:30	243000	19.119	63.788	3.645	135.965		
2/20/2012 6:45	243900	19.122	63.79	3.643	135.963		
2/20/2012 7:00	244800	19.122	63.781	3.652	135.972		
2/20/2012 7:15	245700	19.122	63.764	3.669	135.989		
2/20/2012 7:30	246600	19.12	63.779	3.654	135.974		
2/20/2012 7:45	247500	19.122	63.777	3.656	135.976		
2/20/2012 8:00	248400	19.121	63.781	3.652	135.972		
2/20/2012 8:15	249300	19.121	63.765	3.668	135.988		
2/20/2012 8:30	250200	19.121	63.768	3.665	135.985		
2/20/2012 8:45	251100	19.121	63.767	3.666	135.986		
2/20/2012 9:00	252000	19.121	63.773	3.66	135.98		
2/20/2012 9:15	252900	19.123	63.781	3.652	135.972		
2/20/2012 9:30	253800	19.119	63.777	3.656	135.976		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 9:45	254700	19.119	63.762	3.671	135.991		
2/20/2012 10:00	255600	19.121	63.777	3.656	135.976		
2/20/2012 10:15	256500	19.12	63.781	3.652	135.972		
2/20/2012 10:30	257400	19.121	63.785	3.648	135.968		
2/20/2012 10:45	258300	19.12	63.795	3.638	135.958		
2/20/2012 11:00	259200	19.12	63.793	3.64	135.96		
2/20/2012 11:15	260100	19.122	63.785	3.648	135.968		
2/20/2012 11:30	261000	19.119	63.787	3.646	135.966		
2/20/2012 11:45	261900	19.123	63.776	3.657	135.977		
2/20/2012 12:00	262800	19.124	63.792	3.641	135.961		
2/20/2012 12:15	263700	19.125	63.788	3.645	135.965		
2/20/2012 12:30	264600	19.121	63.785	3.648	135.968		
2/20/2012 12:45	265500	19.12	63.787	3.646	135.966		
2/20/2012 13:00	266400	19.122	63.794	3.639	135.959		
2/20/2012 13:15	267300	19.119	63.785	3.648	135.968		
2/20/2012 13:42	268200					135.62	
2/20/2012 13:30	269100	19.121	63.79	3.643	135.963		
2/20/2012 13:45	270000	19.121	63.781	3.652	135.972		
2/20/2012 14:00	270900	19.121	63.786	3.647	135.967		
2/20/2012 14:15	271800	19.121	63.792	3.641	135.961		
2/20/2012 14:30	272700	19.121	63.789	3.644	135.964		
2/20/2012 14:45	273600	19.118	63.79	3.643	135.963		
2/20/2012 15:00	274500	19.121	63.779	3.654	135.974		
2/20/2012 15:15	275400	19.121	63.789	3.644	135.964		
2/20/2012 15:30	276300	19.122	63.775	3.658	135.978		
2/20/2012 15:45	277200	19.121	63.788	3.645	135.965		
2/20/2012 16:00	278100	19.12	63.797	3.636	135.956		

Table D-6

MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 16:15	279000	19.123	63.791	3.642	135.962		
2/20/2012 16:30	279900	19.119	63.793	3.64	135.96		
2/20/2012 16:45	280800	19.119	63.778	3.655	135.975		
2/20/2012 17:00	281700	19.119	63.787	3.646	135.966		
2/20/2012 17:15	282600	19.124	63.786	3.647	135.967		
2/20/2012 17:30	283500	19.122	63.771	3.662	135.982		
2/20/2012 17:45	284400	19.122	63.777	3.656	135.976		
2/20/2012 18:00	285300	19.122	63.769	3.664	135.984		
2/20/2012 18:15	286200	19.124	63.759	3.674	135.994		
2/20/2012 18:30	287100	19.122	63.763	3.67	135.99		
2/20/2012 18:45	288000	19.121	63.75	3.683	136.003		
2/20/2012 19:00	288900	19.123	63.757	3.676	135.996		
2/20/2012 19:15	289800	19.122	63.763	3.67	135.99		
2/20/2012 19:30	290700	19.124	63.756	3.677	135.997		
2/20/2012 19:45	291600	19.12	63.733	3.7	136.02		
2/20/2012 20:00	292500	19.122	63.748	3.685	136.005		
2/20/2012 20:15	293400	19.122	63.754	3.679	135.999		
2/20/2012 20:30	294300	19.12	63.744	3.689	136.009		
2/20/2012 20:45	295200	19.12	63.742	3.691	136.011		
2/20/2012 21:00	296100	19.121	63.738	3.695	136.015		
2/20/2012 21:15	297000	19.121	63.733	3.7	136.02		
2/20/2012 21:30	297900	19.12	63.733	3.7	136.02		
2/20/2012 21:45	298800	19.12	63.723	3.71	136.03		
2/20/2012 22:00	299700	19.118	63.719	3.714	136.034		
2/20/2012 22:15	300600	19.122	63.731	3.702	136.022		
2/20/2012 22:30	301500	19.12	63.725	3.708	136.028		
2/20/2012 22:45	302400	19.122	63.715	3.718	136.038		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 23:00	303300	19.123	63.737	3.696	136.016		
2/20/2012 23:15	304200	19.121	63.713	3.72	136.04		
2/20/2012 23:30	305100	19.122	63.718	3.715	136.035		
2/20/2012 23:45	306000	19.119	63.723	3.71	136.03		
2/21/2012 0:00	306900	19.122	63.714	3.719	136.039		
2/21/2012 0:15	307800	19.12	63.706	3.727	136.047		
2/21/2012 0:30	308700	19.122	63.707	3.726	136.046		
2/21/2012 0:45	309600	19.121	63.715	3.718	136.038		
2/21/2012 1:00	310500	19.119	63.71	3.723	136.043		
2/21/2012 1:15	311400	19.121	63.707	3.726	136.046		
2/21/2012 1:30	312300	19.123	63.705	3.728	136.048		
2/21/2012 1:45	313200	19.122	63.694	3.739	136.059		
2/21/2012 2:00	314100	19.12	63.695	3.738	136.058		
2/21/2012 2:15	315000	19.12	63.688	3.745	136.065		
2/21/2012 2:30	315900	19.121	63.699	3.734	136.054		
2/21/2012 2:45	316800	19.122	63.71	3.723	136.043		
2/21/2012 3:00	317700	19.12	63.695	3.738	136.058		
2/21/2012 3:15	318600	19.119	63.697	3.736	136.056		
2/21/2012 3:30	319500	19.123	63.698	3.735	136.055		
2/21/2012 3:45	320400	19.121	63.704	3.729	136.049		
2/21/2012 4:00	321300	19.122	63.691	3.742	136.062		
2/21/2012 4:15	322200	19.12	63.691	3.742	136.062		
2/21/2012 4:30	323100	19.121	63.694	3.739	136.059		
2/21/2012 4:45	324000	19.121	63.683	3.75	136.07		
2/21/2012 5:00	324900	19.123	63.687	3.746	136.066		
2/21/2012 5:15	325800	19.123	63.674	3.759	136.079		
2/21/2012 5:30	326700	19.12	63.668	3.765	136.085		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 5:45	327600	19.119	63.67	3.763	136.083		
2/21/2012 6:00	328500	19.122	63.673	3.76	136.08		
2/21/2012 6:15	329400	19.12	63.675	3.758	136.078		
2/21/2012 6:30	330300	19.122	63.678	3.755	136.075		
2/21/2012 6:45	331200	19.122	63.68	3.753	136.073		
2/21/2012 7:00	332100	19.121	63.67	3.763	136.083		
2/21/2012 7:15	333000	19.121	63.676	3.757	136.077		
2/21/2012 7:30	333900	19.121	63.661	3.772	136.092		
2/21/2012 7:45	334800	19.121	63.671	3.762	136.082		
2/21/2012 8:00	335700	19.121	63.672	3.761	136.081		
2/21/2012 8:15	336600	19.121	63.678	3.755	136.075		
2/21/2012 8:30	337500	19.123	63.678	3.755	136.075		
2/21/2012 8:45	338400	19.12	63.678	3.755	136.075		
2/21/2012 9:00	339300	19.122	63.67	3.763	136.083		
2/21/2012 9:15	340200	19.121	63.68	3.753	136.073		
2/21/2012 9:30	341100	19.122	63.685	3.748	136.068		
2/21/2012 9:45	342000	19.121	63.691	3.742	136.062		
2/21/2012 10:00	342900	19.12	63.691	3.742	136.062		
2/21/2012 10:15	343800	19.12	63.695	3.738	136.058		
2/21/2012 10:30	344700	19.12	63.703	3.73	136.05		
2/21/2012 10:45	345600	19.121	63.707	3.726	136.046		
2/21/2012 11:00	346500	19.123	63.708	3.725	136.045		
2/21/2012 11:15	347400	19.119	63.708	3.725	136.045		
2/21/2012 11:30	348300	19.122	63.715	3.718	136.038		
2/21/2012 11:45	349200	19.122	63.724	3.709	136.029		
2/21/2012 12:00	350100	19.12	63.734	3.699	136.019		
2/21/2012 12:15	351000	19.121	63.725	3.708	136.028		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 12:30	351900	19.119	63.728	3.705	136.025		
2/21/2012 12:45	352800	19.12	63.73	3.703	136.023		
2/21/2012 13:00	353700	19.122	63.738	3.695	136.015		
2/21/2012 13:15	354600	19.121	63.744	3.689	136.009		
2/21/2012 13:30	355500	19.117	63.738	3.695	136.015		
2/21/2012 13:45	356400	19.121	63.741	3.692	136.012		
2/21/2012 14:00	357300	19.122	63.723	3.71	136.03		
2/21/2012 14:15	358200	19.122	63.733	3.7	136.02		
2/21/2012 14:30	359100	19.12	63.741	3.692	136.012		
2/21/2012 14:45	360000	19.123	63.743	3.69	136.01		
2/21/2012 15:00	360900	19.12	63.736	3.697	136.017		
2/21/2012 15:15	361800	19.121	63.744	3.689	136.009		
2/21/2012 15:30	362700	19.119	63.732	3.701	136.021		
2/21/2012 15:45	363600	19.121	63.744	3.689	136.009		
2/21/2012 16:00	364500	19.119	63.73	3.703	136.023		
2/21/2012 16:15	365400	19.121	63.742	3.691	136.011		
2/21/2012 16:30	366300	19.121	63.739	3.694	136.014		
2/21/2012 16:45	367200	19.123	63.728	3.705	136.025		
2/21/2012 17:00	368100	19.121	63.731	3.702	136.022		
2/21/2012 17:15	369000	19.122	63.723	3.71	136.03		
2/21/2012 17:30	369900	19.122	63.731	3.702	136.022		
2/21/2012 17:45	370800	19.121	63.722	3.711	136.031		
2/21/2012 18:00	371700	19.121	63.734	3.699	136.019		
2/21/2012 18:15	372600	19.119	63.723	3.71	136.03		
2/21/2012 18:30	373500	19.122	63.721	3.712	136.032		
2/21/2012 18:45	374400	19.123	63.713	3.72	136.04		
2/21/2012 19:00	375300	19.121	63.784	3.649	135.969		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 19:15	376200	19.12	64.621	2.812	135.132		
2/21/2012 19:30	377100	19.129	64.978	2.455	134.775		
2/21/2012 19:45	378000	19.134	65.175	2.258	134.578		
2/21/2012 20:00	378900	19.141	65.319	2.114	134.434		
2/21/2012 20:15	379800	19.145	65.418	2.015	134.335		
2/21/2012 20:30	380700	19.146	65.513	1.92	134.24		
2/21/2012 20:45	381600	19.15	65.583	1.85	134.17		
2/21/2012 21:00	382500	19.153	65.655	1.778	134.098		
2/21/2012 21:15	383400	19.153	65.718	1.715	134.035		
2/21/2012 21:30	384300	19.154	65.808	1.625	133.945		
2/21/2012 21:45	385200	19.156	65.832	1.601	133.921		
2/21/2012 22:00	386100	19.159	65.88	1.553	133.873		
2/21/2012 22:15	387000	19.16	65.919	1.514	133.834		
2/21/2012 22:30	387900	19.162	65.963	1.47	133.79		
2/21/2012 22:45	388800	19.164	65.993	1.44	133.76		
2/21/2012 23:00	389700	19.163	66.042	1.391	133.711		
2/21/2012 23:15	390600	19.165	66.07	1.363	133.683		
2/21/2012 23:30	391500	19.165	66.093	1.34	133.66		
2/21/2012 23:45	392400	19.165	66.157	1.276	133.596		
2/22/2012 0:00	393300	19.165	66.154	1.279	133.599		
2/22/2012 0:15	394200	19.166	66.195	1.238	133.558		
2/22/2012 0:30	395100	19.169	66.196	1.237	133.557		
2/22/2012 0:45	396000	19.168	66.238	1.195	133.515		
2/22/2012 1:00	396900	19.169	66.251	1.182	133.502		
2/22/2012 1:15	397800	19.172	66.29	1.143	133.463		
2/22/2012 1:30	398700	19.171	66.311	1.122	133.442		
2/22/2012 1:45	399600	19.171	66.333	1.1	133.42		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 2:00	400500	19.175	66.333	1.1	133.42		
2/22/2012 2:15	401400	19.174	66.358	1.075	133.395		
2/22/2012 2:30	402300	19.174	66.374	1.059	133.379		
2/22/2012 2:45	403200	19.175	66.411	1.022	133.342		
2/22/2012 3:00	404100	19.175	66.425	1.008	133.328		
2/22/2012 3:15	405000	19.175	66.429	1.004	133.324		
2/22/2012 3:30	405900	19.176	66.438	0.995	133.315		
2/22/2012 3:45	406800	19.174	66.46	0.973	133.293		
2/22/2012 4:00	407700	19.177	66.484	0.949	133.269		
2/22/2012 4:15	408600	19.176	66.487	0.946	133.266		
2/22/2012 4:30	409500	19.176	66.513	0.92	133.24		
2/22/2012 4:45	410400	19.178	66.523	0.91	133.23		
2/22/2012 5:00	411300	19.178	66.501	0.932	133.252		
2/22/2012 5:15	412200	19.176	66.53	0.903	133.223		
2/22/2012 5:30	413100	19.18	66.561	0.872	133.192		
2/22/2012 5:45	414000	19.18	66.561	0.872	133.192		
2/22/2012 6:00	414900	19.18	66.561	0.872	133.192		
2/22/2012 6:15	415800	19.18	66.584	0.849	133.169		
2/22/2012 6:30	416700	19.179	66.575	0.858	133.178		
2/22/2012 6:45	417600	19.18	66.607	0.826	133.146		
2/22/2012 7:00	418500	19.179	66.609	0.824	133.144		
2/22/2012 7:15	419400	19.184	66.629	0.804	133.124		
2/22/2012 7:30	420300	19.184	66.62	0.813	133.133		
2/22/2012 7:45	421200	19.182	66.655	0.778	133.098		
2/22/2012 8:00	422100	19.183	66.647	0.786	133.106		
2/22/2012 8:15	423000	19.182	66.658	0.775	133.095		
2/22/2012 8:30	423900	19.186	66.677	0.756	133.076		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 8:45	424800	19.186	66.683	0.75	133.07		
2/22/2012 9:00	425700	19.183	66.693	0.74	133.06		
2/22/2012 9:15	426600	19.187	66.696	0.737	133.057		
2/22/2012 9:30	427500	19.188	66.702	0.731	133.051		
2/22/2012 9:45	428400	19.187	66.715	0.718	133.038		
2/22/2012 10:00	429300	19.188	66.723	0.71	133.03		
2/22/2012 10:15	430200	19.187	66.726	0.707	133.027		
2/22/2012 10:30	431100	19.188	66.749	0.684	133.004		
2/22/2012 10:45	432000	19.19	66.752	0.681	133.001		
2/22/2012 11:00	432900	19.188	66.771	0.662	132.982		
2/22/2012 11:15	433800	19.189	66.774	0.659	132.979		
2/22/2012 11:30	434700	19.189	66.775	0.658	132.978		
2/22/2012 11:45	435600	19.188	66.783	0.65	132.97		
2/22/2012 12:00	436500	19.191	66.796	0.637	132.957		
2/22/2012 12:15	437400	19.191	66.795	0.638	132.958		
2/22/2012 12:30	438300	19.189	66.805	0.628	132.948		
2/22/2012 12:45	439200	19.192	66.817	0.616	132.936		
2/22/2012 13:00	440100	19.192	66.844	0.589	132.909		
2/22/2012 13:15	441000	19.193	66.839	0.594	132.914		
2/22/2012 13:30	441900	19.194	66.843	0.59	132.91		
2/22/2012 13:45	442800	19.191	66.855	0.578	132.898		
2/22/2012 14:00	443700	19.191	66.856	0.577	132.897		
2/22/2012 14:15	444600	19.194	66.849	0.584	132.904		
2/22/2012 14:30	445500	19.194	66.87	0.563	132.883		
2/22/2012 14:45	446400	19.192	66.869	0.564	132.884		
2/22/2012 15:00	447300	19.194	66.861	0.572	132.892		
2/22/2012 15:15	448200	19.196	66.872	0.561	132.881		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 15:30	449100	19.197	66.876	0.557	132.877		
2/22/2012 15:45	450000	19.194	66.888	0.545	132.865		
2/22/2012 16:00	450900	19.197	66.891	0.542	132.862		
2/22/2012 16:15	451800	19.197	66.897	0.536	132.856		
2/22/2012 16:30	452700	19.196	66.901	0.532	132.852		
2/22/2012 16:45	453600	19.198	66.908	0.525	132.845		
2/22/2012 17:00	454500	19.198	66.906	0.527	132.847		
2/22/2012 17:15	455400	19.197	66.898	0.535	132.855		
2/22/2012 17:30	456300	19.199	66.904	0.529	132.849		
2/22/2012 17:45	457200	19.198	66.914	0.519	132.839		
2/22/2012 18:00	458100	19.196	66.908	0.525	132.845		
2/22/2012 18:15	459000	19.196	66.916	0.517	132.837		
2/22/2012 18:30	459900	19.2	66.914	0.519	132.839		
2/22/2012 18:45	460800	19.198	66.925	0.508	132.828		
2/22/2012 19:00	461700	19.201	66.924	0.509	132.829		
2/22/2012 19:15	462600	19.197	66.93	0.503	132.823		
2/22/2012 19:30	463500	19.202	66.94	0.493	132.813		
2/22/2012 19:45	464400	19.201	66.933	0.5	132.82		
2/22/2012 20:00	465300	19.2	66.946	0.487	132.807		
2/22/2012 20:15	466200	19.202	66.951	0.482	132.802		
2/22/2012 20:30	467100	19.202	66.938	0.495	132.815		
2/22/2012 20:45	468000	19.202	66.95	0.483	132.803		
2/22/2012 21:00	468900	19.201	66.953	0.48	132.8		
2/22/2012 21:15	469800	19.202	66.961	0.472	132.792		
2/22/2012 21:30	470700	19.202	66.962	0.471	132.791		
2/22/2012 21:45	471600	19.203	66.97	0.463	132.783		
2/22/2012 22:00	472500	19.204	66.968	0.465	132.785		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 22:15	473400	19.205	66.963	0.47	132.79		
2/22/2012 22:30	474300	19.204	66.97	0.463	132.783		
2/22/2012 22:45	475200	19.205	66.959	0.474	132.794		
2/22/2012 23:00	476100	19.205	66.98	0.453	132.773		
2/22/2012 23:15	477000	19.205	66.98	0.453	132.773		
2/22/2012 23:30	477900	19.204	66.989	0.444	132.764		
2/22/2012 23:45	478800	19.207	66.979	0.454	132.774		
2/23/2012 0:00	479700	19.205	66.992	0.441	132.761		
2/23/2012 0:15	480600	19.206	66.99	0.443	132.763		
2/23/2012 0:30	481500	19.203	66.985	0.448	132.768		
2/23/2012 0:45	482400	19.203	66.998	0.435	132.755		
2/23/2012 1:00	483300	19.206	67.004	0.429	132.749		
2/23/2012 1:15	484200	19.208	67.006	0.427	132.747		
2/23/2012 1:30	485100	19.204	67.01	0.423	132.743		
2/23/2012 1:45	486000	19.206	67.014	0.419	132.739		
2/23/2012 2:00	486900	19.205	67.013	0.42	132.74		
2/23/2012 2:15	487800	19.206	67.019	0.414	132.734		
2/23/2012 2:30	488700	19.207	67.009	0.424	132.744		
2/23/2012 2:45	489600	19.208	67.039	0.394	132.714		
2/23/2012 3:00	490500	19.206	67.041	0.392	132.712		
2/23/2012 3:15	491400	19.207	67.035	0.398	132.718		
2/23/2012 3:30	492300	19.209	67.032	0.401	132.721		
2/23/2012 3:45	493200	19.209	67.038	0.395	132.715		
2/23/2012 4:00	494100	19.207	67.04	0.393	132.713		
2/23/2012 4:15	495000	19.207	67.036	0.397	132.717		
2/23/2012 4:30	495900	19.209	67.046	0.387	132.707		
2/23/2012 4:45	496800	19.208	67.052	0.381	132.701		

Table D-6

MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 5:00	497700	19.21	67.041	0.392	132.712		
2/23/2012 5:15	498600	19.211	67.045	0.388	132.708		
2/23/2012 5:30	499500	19.208	67.057	0.376	132.696		
2/23/2012 5:45	500400	19.211	67.04	0.393	132.713		
2/23/2012 6:00	501300	19.211	67.063	0.37	132.69		
2/23/2012 6:15	502200	19.211	67.062	0.371	132.691		
2/23/2012 6:30	503100	19.21	67.039	0.394	132.714		
2/23/2012 6:45	504000	19.212	67.049	0.384	132.704		
2/23/2012 7:00	504900	19.212	67.047	0.386	132.706		
2/23/2012 7:15	505800	19.212	67.054	0.379	132.699		
2/23/2012 7:30	506700	19.212	67.054	0.379	132.699		
2/23/2012 7:45	507600	19.214	67.045	0.388	132.708		
2/23/2012 8:00	508500	19.215	67.058	0.375	132.695		
2/23/2012 8:15	509400	19.213	67.052	0.381	132.701		
2/23/2012 8:30	510300	19.213	67.051	0.382	132.702		
2/23/2012 8:45	511200	19.214	67.066	0.367	132.687		
2/23/2012 9:00	512100	19.212	67.06	0.373	132.693		
2/23/2012 9:15	513000	19.213	67.055	0.378	132.698		
2/23/2012 9:30	513900	19.212	67.063	0.37	132.69		
2/23/2012 9:45	514800	19.217	67.071	0.362	132.682		
2/23/2012 10:00	515700	19.215	67.076	0.357	132.677		
2/23/2012 10:15	516600	19.216	67.071	0.362	132.682		
2/23/2012 10:30	517500	19.217	67.083	0.35	132.67		
2/23/2012 10:45	518400	19.214	67.072	0.361	132.681		
2/23/2012 11:00	519300	19.214	67.081	0.352	132.672		
2/23/2012 11:15	520200	19.215	67.084	0.349	132.669		
2/23/2012 11:30	521100	19.214	67.082	0.351	132.671		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 11:45	522000	19.216	67.083	0.35	132.67		
2/23/2012 12:00	522900	19.216	67.101	0.332	132.652		
2/23/2012 12:15	523800	19.214	67.111	0.322	132.642		
2/23/2012 12:30	524700	19.216	67.129	0.304	132.624		
2/23/2012 12:45	525600	19.218	67.111	0.322	132.642		
2/23/2012 13:00	526500	19.214	67.117	0.316	132.636		
2/23/2012 13:15	527400	19.215	67.121	0.312	132.632		
2/23/2012 13:30	528300	19.214	67.125	0.308	132.628		
2/23/2012 13:45	529200	19.216	67.124	0.309	132.629		
2/23/2012 14:00	530100	19.216	67.122	0.311	132.631		
2/23/2012 14:15	531000	19.213	67.119	0.314	132.634		
2/23/2012 14:30	531900	19.216	67.122	0.311	132.631		
2/23/2012 14:45	532800	19.218	67.136	0.297	132.617		
2/23/2012 15:00	533700	19.216	67.128	0.305	132.625		
2/23/2012 15:15	534600	19.217	67.131	0.302	132.622		
2/23/2012 15:30	535500	19.219	67.131	0.302	132.622		
2/23/2012 15:45	536400	19.218	67.124	0.309	132.629		
2/23/2012 16:00	537300	19.218	67.128	0.305	132.625		
2/23/2012 16:15	538200	19.218	67.138	0.295	132.615		
2/23/2012 16:30	539100	19.219	67.143	0.29	132.61		
2/23/2012 16:45	540000	19.217	67.138	0.295	132.615		
2/23/2012 17:00	540900	19.219	67.141	0.292	132.612		
2/23/2012 17:15	541800	19.219	67.126	0.307	132.627		
2/23/2012 17:30	542700	19.22	67.13	0.303	132.623		
2/23/2012 17:45	543600	19.219	67.122	0.311	132.631		
2/23/2012 18:00	544500	19.222	67.119	0.314	132.634		
2/23/2012 18:15	545400	19.221	67.114	0.319	132.639		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 18:30	546300	19.22	67.113	0.32	132.64		
2/23/2012 18:45	547200	19.219	67.116	0.317	132.637		
2/23/2012 19:00	548100	19.221	67.135	0.298	132.618		
2/23/2012 19:15	549000	19.22	67.124	0.309	132.629		
2/23/2012 19:30	549900	19.223	67.117	0.316	132.636		
2/23/2012 19:45	550800	19.221	67.123	0.31	132.63		
2/23/2012 20:00	551700	19.222	67.12	0.313	132.633		
2/23/2012 20:15	552600	19.223	67.116	0.317	132.637		
2/23/2012 20:30	553500	19.221	67.121	0.312	132.632		
2/23/2012 20:45	554400	19.223	67.129	0.304	132.624		
2/23/2012 21:00	555300	19.222	67.131	0.302	132.622		
2/23/2012 21:15	556200	19.222	67.128	0.305	132.625		
2/23/2012 21:30	557100	19.222	67.131	0.302	132.622		
2/23/2012 21:45	558000	19.226	67.131	0.302	132.622		
2/23/2012 22:00	558900	19.221	67.131	0.302	132.622		
2/23/2012 22:15	559800	19.224	67.138	0.295	132.615		
2/23/2012 22:30	560700	19.222	67.136	0.297	132.617		
2/23/2012 22:45	561600	19.222	67.14	0.293	132.613		
2/23/2012 23:00	562500	19.223	67.135	0.298	132.618		
2/23/2012 23:15	563400	19.221	67.148	0.285	132.605		
2/23/2012 23:30	564300	19.221	67.133	0.3	132.62		
2/23/2012 23:45	565200	19.223	67.14	0.293	132.613		
2/24/2012 0:00	566100	19.224	67.152	0.281	132.601		
2/24/2012 0:15	567000	19.225	67.127	0.306	132.626		
2/24/2012 0:30	567900	19.223	67.143	0.29	132.61		
2/24/2012 0:45	568800	19.222	67.146	0.287	132.607		
2/24/2012 1:00	569700	19.226	67.142	0.291	132.611		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 1:15	570600	19.22	67.134	0.299	132.619		
2/24/2012 1:30	571500	19.222	67.128	0.305	132.625		
2/24/2012 1:45	572400	19.224	67.153	0.28	132.6		
2/24/2012 2:00	573300	19.224	67.145	0.288	132.608		
2/24/2012 2:15	574200	19.221	67.157	0.276	132.596		
2/24/2012 2:30	575100	19.223	67.153	0.28	132.6		
2/24/2012 2:45	576000	19.223	67.157	0.276	132.596		
2/24/2012 3:00	576900	19.222	67.159	0.274	132.594		
2/24/2012 3:15	577800	19.22	67.163	0.27	132.59		
2/24/2012 3:30	578700	19.224	67.162	0.271	132.591		
2/24/2012 3:45	579600	19.225	67.156	0.277	132.597		
2/24/2012 4:00	580500	19.221	67.168	0.265	132.585		
2/24/2012 4:15	581400	19.223	67.156	0.277	132.597		
2/24/2012 4:30	582300	19.224	67.167	0.266	132.586		
2/24/2012 4:45	583200	19.221	67.164	0.269	132.589		
2/24/2012 5:00	584100	19.223	67.17	0.263	132.583		
2/24/2012 5:15	585000	19.222	67.167	0.266	132.586		
2/24/2012 5:30	585900	19.223	67.159	0.274	132.594		
2/24/2012 5:45	586800	19.224	67.165	0.268	132.588		
2/24/2012 6:00	587700	19.225	67.16	0.273	132.593		
2/24/2012 6:15	588600	19.224	67.163	0.27	132.59		
2/24/2012 6:30	589500	19.228	67.152	0.281	132.601		
2/24/2012 6:45	590400	19.227	67.169	0.264	132.584		
2/24/2012 7:00	591300	19.222	67.158	0.275	132.595		
2/24/2012 7:15	592200	19.226	67.149	0.284	132.604		
2/24/2012 7:30	593100	19.227	67.154	0.279	132.599		
2/24/2012 7:45	594000	19.226	67.174	0.259	132.579		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 8:00	594900	19.223	67.165	0.268	132.588		
2/24/2012 8:15	595800	19.226	67.165	0.268	132.588		
2/24/2012 8:30	596700	19.226	67.165	0.268	132.588		
2/24/2012 8:45	597600	19.226	67.165	0.268	132.588		
2/24/2012 9:00	598500	19.225	67.165	0.268	132.588		
2/24/2012 9:15	599400	19.225	67.176	0.257	132.577		
2/24/2012 9:30	600300	19.225	67.18	0.253	132.573		
2/24/2012 9:45	601200	19.225	67.169	0.264	132.584		
2/24/2012 10:00	602100	19.227	67.18	0.253	132.573		
2/24/2012 10:15	603000	19.225	67.182	0.251	132.571		
2/24/2012 10:30	603900	19.224	67.179	0.254	132.574		
2/24/2012 10:45	604800	19.225	67.178	0.255	132.575		
2/24/2012 11:00	605700	19.225	67.187	0.246	132.566		
2/24/2012 11:15	606600	19.224	67.198	0.235	132.555		
2/24/2012 11:30	607500	19.224	67.189	0.244	132.564		
2/24/2012 11:45	608400	19.224	67.191	0.242	132.562		
2/24/2012 12:00	609300	19.225	67.2	0.233	132.553		
2/24/2012 12:15	610200	19.224	67.215	0.218	132.538		
2/24/2012 12:30	611100	19.224	67.215	0.218	132.538		
2/24/2012 12:45	612000	19.224	67.218	0.215	132.535		
2/24/2012 13:00	612900	19.225	67.214	0.219	132.539		
2/24/2012 13:15	613800	19.226	67.213	0.22	132.54		
2/24/2012 13:30	614700	19.225	67.214	0.219	132.539		
2/24/2012 13:45	615600	19.225	67.216	0.217	132.537		
2/24/2012 14:00	616500	19.222	67.222	0.211	132.531		
2/24/2012 14:15	617400	19.226	67.225	0.208	132.528		
2/24/2012 14:30	618300	19.225	67.23	0.203	132.523		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 14:45	619200	19.227	67.233	0.2	132.52		
2/24/2012 15:00	620100	19.229	67.226	0.207	132.527		
2/24/2012 15:15	621000	19.226	67.221	0.212	132.532		
2/24/2012 15:30	621900	19.227	67.232	0.201	132.521		
2/24/2012 15:45	622800	19.228	67.23	0.203	132.523		
2/24/2012 16:00	623700	19.225	67.228	0.205	132.525		
2/24/2012 16:15	624600	19.227	67.236	0.197	132.517		
2/24/2012 16:30	625500	19.227	67.23	0.203	132.523		
2/24/2012 16:45	626400	19.227	67.225	0.208	132.528		
2/24/2012 17:00	627300	19.226	67.238	0.195	132.515		
2/24/2012 17:15	628200	19.227	67.235	0.198	132.518		
2/24/2012 17:30	629100	19.226	67.231	0.202	132.522		
2/24/2012 17:45	630000	19.228	67.23	0.203	132.523		
2/24/2012 18:00	630900	19.229	67.237	0.196	132.516		
2/24/2012 18:15	631800	19.226	67.228	0.205	132.525		
2/24/2012 18:30	632700	19.232	67.225	0.208	132.528		
2/24/2012 18:45	633600	19.226	67.231	0.202	132.522		
2/24/2012 19:00	634500	19.231	67.225	0.208	132.528		
2/24/2012 19:15	635400	19.23	67.23	0.203	132.523		
2/24/2012 19:30	636300	19.228	67.225	0.208	132.528		
2/24/2012 19:45	637200	19.23	67.237	0.196	132.516		
2/24/2012 20:00	638100	19.229	67.22	0.213	132.533		
2/24/2012 20:15	639000	19.231	67.227	0.206	132.526		
2/24/2012 20:30	639900	19.231	67.224	0.209	132.529		
2/24/2012 20:45	640800	19.228	67.229	0.204	132.524		
2/24/2012 21:00	641700	19.233	67.23	0.203	132.523		
2/24/2012 21:15	642600	19.228	67.216	0.217	132.537		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 21:30	643500	19.233	67.224	0.209	132.529		
2/24/2012 21:45	644400	19.23	67.226	0.207	132.527		
2/24/2012 22:00	645300	19.231	67.231	0.202	132.522		
2/24/2012 22:15	646200	19.231	67.238	0.195	132.515		
2/24/2012 22:30	647100	19.233	67.233	0.2	132.52		
2/24/2012 22:45	648000	19.231	67.225	0.208	132.528		
2/24/2012 23:00	648900	19.231	67.235	0.198	132.518		
2/24/2012 23:15	649800	19.23	67.236	0.197	132.517		
2/24/2012 23:30	650700	19.23	67.241	0.192	132.512		
2/24/2012 23:45	651600	19.231	67.237	0.196	132.516		
2/25/2012 0:00	652500	19.231	67.245	0.188	132.508		
2/25/2012 0:15	653400	19.231	67.245	0.188	132.508		
2/25/2012 0:30	654300	19.231	67.252	0.181	132.501		
2/25/2012 0:45	655200	19.232	67.25	0.183	132.503		
2/25/2012 1:00	656100	19.231	67.244	0.189	132.509		
2/25/2012 1:15	657000	19.229	67.251	0.182	132.502		
2/25/2012 1:30	657900	19.231	67.246	0.187	132.507		
2/25/2012 1:45	658800	19.23	67.247	0.186	132.506		
2/25/2012 2:00	659700	19.233	67.245	0.188	132.508		
2/25/2012 2:15	660600	19.232	67.247	0.186	132.506		
2/25/2012 2:30	661500	19.229	67.254	0.179	132.499		
2/25/2012 2:45	662400	19.231	67.258	0.175	132.495		
2/25/2012 3:00	663300	19.23	67.277	0.156	132.476		
2/25/2012 3:15	664200	19.231	67.28	0.153	132.473		
2/25/2012 3:30	665100	19.232	67.27	0.163	132.483		
2/25/2012 3:45	666000	19.229	67.264	0.169	132.489		
2/25/2012 4:00	666900	19.231	67.266	0.167	132.487		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/25/2012 4:15	667800	19.232	67.271	0.162	132.482		
2/25/2012 4:30	668700	19.231	67.275	0.158	132.478		
2/25/2012 4:45	669600	19.233	67.272	0.161	132.481		
2/25/2012 5:00	670500	19.233	67.259	0.174	132.494		
2/25/2012 5:15	671400	19.231	67.259	0.174	132.494		
2/25/2012 5:30	672300	19.231	67.262	0.171	132.491		
2/25/2012 5:45	673200	19.231	67.251	0.182	132.502		
2/25/2012 6:00	674100	19.231	67.262	0.171	132.491		
2/25/2012 6:15	675000	19.233	67.262	0.171	132.491		
2/25/2012 6:30	675900	19.236	67.254	0.179	132.499		
2/25/2012 6:45	676800	19.233	67.251	0.182	132.502		
2/25/2012 7:00	677700	19.233	67.261	0.172	132.492		
2/25/2012 7:15	678600	19.236	67.257	0.176	132.496		
2/25/2012 7:30	679500	19.234	67.256	0.177	132.497		
2/25/2012 7:45	680400	19.234	67.255	0.178	132.498		
2/25/2012 8:00	681300	19.233	67.245	0.188	132.508		
2/25/2012 8:15	682200	19.233	67.251	0.182	132.502		
2/25/2012 8:30	683100	19.234	67.245	0.188	132.508		
2/25/2012 8:45	684000	19.235	67.259	0.174	132.494		
2/25/2012 9:00	684900	19.233	67.247	0.186	132.506		
2/25/2012 9:15	685800	19.235	67.255	0.178	132.498		
2/25/2012 9:30	686700	19.235	67.25	0.183	132.503		
2/25/2012 9:45	687600	19.232	67.26	0.173	132.493		
2/25/2012 10:00	688500	19.235	67.262	0.171	132.491		
2/25/2012 10:15	689400	19.235	67.262	0.171	132.491		
2/25/2012 10:30	690300	19.236	67.267	0.166	132.486		
2/25/2012 10:45	691200	19.233	67.268	0.165	132.485		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/25/2012 11:00	692100	19.234	67.267	0.166	132.486		
2/25/2012 11:15	693000	19.233	67.275	0.158	132.478		
2/25/2012 11:30	693900	19.233	67.279	0.154	132.474		
2/25/2012 11:45	694800	19.232	67.273	0.16	132.48		
2/25/2012 12:00	695700	19.234	67.279	0.154	132.474		
2/25/2012 12:15	696600	19.233	67.282	0.151	132.471		
2/25/2012 12:30	697500	19.237	67.281	0.152	132.472		
2/25/2012 12:45	698400	19.233	67.287	0.146	132.466		
2/25/2012 13:00	699300	19.233	67.288	0.145	132.465		
2/25/2012 13:15	700200	19.232	67.294	0.139	132.459		
2/25/2012 13:30	701100	19.233	67.285	0.148	132.468		
2/25/2012 13:45	702000	19.233	67.292	0.141	132.461		
2/25/2012 14:00	702900	19.233	67.284	0.149	132.469		
2/25/2012 14:15	703800	19.235	67.281	0.152	132.472		
2/25/2012 14:30	704700	19.236	67.281	0.152	132.472		
2/25/2012 14:45	705600	19.231	67.291	0.142	132.462		
2/25/2012 15:00	706500	19.234	67.302	0.131	132.451		
2/25/2012 15:15	707400	19.233	67.282	0.151	132.471		
2/25/2012 15:30	708300	19.236	67.287	0.146	132.466		
2/25/2012 15:45	709200	19.234	67.301	0.132	132.452		
2/25/2012 16:00	710100	19.236	67.29	0.143	132.463		
2/25/2012 16:15	711000	19.233	67.296	0.137	132.457		
2/25/2012 16:30	711900	19.233	67.289	0.144	132.464		
2/25/2012 16:45	712800	19.236	67.291	0.142	132.462		
2/25/2012 17:00	713700	19.235	67.297	0.136	132.456		
2/25/2012 17:15	714600	19.233	67.303	0.13	132.45		
2/25/2012 17:30	715500	19.234	67.293	0.14	132.46		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/25/2012 17:45	716400	19.235	67.297	0.136	132.456		
2/25/2012 18:00	717300	19.235	67.302	0.131	132.451		
2/25/2012 18:15	718200	19.235	67.285	0.148	132.468		
2/25/2012 18:30	719100	19.238	67.295	0.138	132.458		
2/25/2012 18:45	720000	19.236	67.289	0.144	132.464		
2/25/2012 19:00	720900	19.236	67.283	0.15	132.47		
2/25/2012 19:15	721800	19.236	67.29	0.143	132.463		
2/25/2012 19:30	722700	19.237	67.275	0.158	132.478		
2/25/2012 19:45	723600	19.237	67.285	0.148	132.468		
2/25/2012 20:00	724500	19.234	67.287	0.146	132.466		
2/25/2012 20:15	725400	19.234	67.265	0.168	132.488		
2/25/2012 20:30	726300	19.24	67.279	0.154	132.474		
2/25/2012 20:45	727200	19.237	67.28	0.153	132.473		
2/25/2012 21:00	728100	19.24	67.28	0.153	132.473		
2/25/2012 21:15	729000	19.237	67.288	0.145	132.465		
2/25/2012 21:30	729900	19.236	67.278	0.155	132.475		
2/25/2012 21:45	730800	19.238	67.291	0.142	132.462		
2/25/2012 22:00	731700	19.238	67.284	0.149	132.469		
2/25/2012 22:15	732600	19.237	67.279	0.154	132.474		
2/25/2012 22:30	733500	19.235	67.275	0.158	132.478		
2/25/2012 22:45	734400	19.235	67.287	0.146	132.466		
2/25/2012 23:00	735300	19.237	67.279	0.154	132.474		
2/25/2012 23:15	736200	19.239	67.282	0.151	132.471		
2/25/2012 23:30	737100	19.238	67.279	0.154	132.474		
2/25/2012 23:45	738000	19.238	67.294	0.139	132.459		
2/26/2012 0:00	738900	19.234	67.27	0.163	132.483		
2/26/2012 0:15	739800	19.238	67.294	0.139	132.459		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 0:30	740700	19.235	67.285	0.148	132.468		
2/26/2012 0:45	741600	19.238	67.283	0.15	132.47		
2/26/2012 1:00	742500	19.237	67.282	0.151	132.471		
2/26/2012 1:15	743400	19.238	67.286	0.147	132.467		
2/26/2012 1:30	744300	19.236	67.292	0.141	132.461		
2/26/2012 1:45	745200	19.239	67.287	0.146	132.466		
2/26/2012 2:00	746100	19.237	67.288	0.145	132.465		
2/26/2012 2:15	747000	19.237	67.276	0.157	132.477		
2/26/2012 2:30	747900	19.235	67.282	0.151	132.471		
2/26/2012 2:45	748800	19.237	67.285	0.148	132.468		
2/26/2012 3:00	749700	19.237	67.289	0.144	132.464		
2/26/2012 3:15	750600	19.236	67.271	0.162	132.482		
2/26/2012 3:30	751500	19.24	67.293	0.14	132.46		
2/26/2012 3:45	752400	19.235	67.289	0.144	132.464		
2/26/2012 4:00	753300	19.241	67.29	0.143	132.463		
2/26/2012 4:15	754200	19.235	67.286	0.147	132.467		
2/26/2012 4:30	755100	19.238	67.292	0.141	132.461		
2/26/2012 4:45	756000	19.236	67.285	0.148	132.468		
2/26/2012 5:00	756900	19.238	67.295	0.138	132.458		
2/26/2012 5:15	757800	19.237	67.281	0.152	132.472		
2/26/2012 5:30	758700	19.234	67.293	0.14	132.46		
2/26/2012 5:45	759600	19.239	67.294	0.139	132.459		
2/26/2012 6:00	760500	19.237	67.287	0.146	132.466		
2/26/2012 6:15	761400	19.24	67.298	0.135	132.455		
2/26/2012 6:30	762300	19.239	67.294	0.139	132.459		
2/26/2012 6:45	763200	19.237	67.294	0.139	132.459		
2/26/2012 7:00	764100	19.238	67.297	0.136	132.456		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 7:15	765000	19.238	67.295	0.138	132.458		
2/26/2012 7:30	765900	19.237	67.277	0.156	132.476		
2/26/2012 7:45	766800	19.241	67.29	0.143	132.463		
2/26/2012 8:00	767700	19.241	67.293	0.14	132.46		
2/26/2012 8:15	768600	19.239	67.278	0.155	132.475		
2/26/2012 8:30	769500	19.239	67.292	0.141	132.461		
2/26/2012 8:45	770400	19.236	67.293	0.14	132.46		
2/26/2012 9:00	771300	19.238	67.298	0.135	132.455		
2/26/2012 9:15	772200	19.237	67.297	0.136	132.456		
2/26/2012 9:30	773100	19.24	67.306	0.127	132.447		
2/26/2012 9:45	774000	19.24	67.3	0.133	132.453		
2/26/2012 10:00	774900	19.239	67.303	0.13	132.45		
2/26/2012 10:15	775800	19.236	67.308	0.125	132.445		
2/26/2012 10:30	776700	19.239	67.306	0.127	132.447		
2/26/2012 10:45	777600	19.237	67.314	0.119	132.439		
2/26/2012 11:00	778500	19.239	67.312	0.121	132.441		
2/26/2012 11:15	779400	19.237	67.309	0.124	132.444		
2/26/2012 11:30	780300	19.236	67.319	0.114	132.434		
2/26/2012 11:45	781200	19.238	67.306	0.127	132.447		
2/26/2012 12:00	782100	19.238	67.325	0.108	132.428		
2/26/2012 12:15	783000	19.237	67.318	0.115	132.435		
2/26/2012 12:30	783900	19.237	67.322	0.111	132.431		
2/26/2012 12:45	784800	19.239	67.332	0.101	132.421		
2/26/2012 13:00	785700	19.234	67.328	0.105	132.425		
2/26/2012 13:15	786600	19.235	67.332	0.101	132.421		
2/26/2012 13:30	787500	19.238	67.334	0.099	132.419		
2/26/2012 13:45	788400	19.235	67.317	0.116	132.436		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 14:00	789300	19.238	67.328	0.105	132.425		
2/26/2012 14:15	790200	19.234	67.326	0.107	132.427		
2/26/2012 14:30	791100	19.237	67.325	0.108	132.428		
2/26/2012 14:45	792000	19.238	67.318	0.115	132.435		
2/26/2012 15:00	792900	19.234	67.32	0.113	132.433		
2/26/2012 15:15	793800	19.236	67.331	0.102	132.422		
2/26/2012 15:30	794700	19.24	67.323	0.11	132.43		
2/26/2012 15:45	795600	19.24	67.334	0.099	132.419		
2/26/2012 16:00	796500	19.238	67.318	0.115	132.435		
2/26/2012 16:15	797400	19.237	67.337	0.096	132.416		
2/26/2012 16:30	798300	19.237	67.333	0.1	132.42		
2/26/2012 16:45	799200	19.239	67.333	0.1	132.42		
2/26/2012 17:00	800100	19.239	67.339	0.094	132.414		
2/26/2012 17:15	801000	19.237	67.331	0.102	132.422		
2/26/2012 17:30	801900	19.238	67.333	0.1	132.42		
2/26/2012 17:45	802800	19.24	67.334	0.099	132.419		
2/26/2012 18:00	803700	19.241	67.334	0.099	132.419		
2/26/2012 18:15	804600	19.24	67.336	0.097	132.417		
2/26/2012 18:30	805500	19.239	67.333	0.1	132.42		
2/26/2012 18:45	806400	19.24	67.328	0.105	132.425		
2/26/2012 19:00	807300	19.239	67.331	0.102	132.422		
2/26/2012 19:15	808200	19.24	67.33	0.103	132.423		
2/26/2012 19:30	809100	19.237	67.328	0.105	132.425		
2/26/2012 19:45	810000	19.24	67.323	0.11	132.43		
2/26/2012 20:00	810900	19.239	67.325	0.108	132.428		
2/26/2012 20:15	811800	19.238	67.332	0.101	132.421		
2/26/2012 20:30	812700	19.24	67.326	0.107	132.427		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 20:45	813600	19.242	67.342	0.091	132.411		
2/26/2012 21:00	814500	19.239	67.324	0.109	132.429		
2/26/2012 21:15	815400	19.241	67.331	0.102	132.422		
2/26/2012 21:30	816300	19.241	67.313	0.12	132.44		
2/26/2012 21:45	817200	19.241	67.334	0.099	132.419		
2/26/2012 22:00	818100	19.242	67.333	0.1	132.42		
2/26/2012 22:15	819000	19.241	67.337	0.096	132.416		
2/26/2012 22:30	819900	19.241	67.331	0.102	132.422		
2/26/2012 22:45	820800	19.24	67.336	0.097	132.417		
2/26/2012 23:00	821700	19.242	67.328	0.105	132.425		
2/26/2012 23:15	822600	19.24	67.339	0.094	132.414		
2/26/2012 23:30	823500	19.24	67.335	0.098	132.418		
2/26/2012 23:45	824400	19.243	67.328	0.105	132.425		
2/27/2012 0:00	825300	19.242	67.359	0.074	132.394		
2/27/2012 0:15	826200	19.242	67.345	0.088	132.408		
2/27/2012 0:30	827100	19.239	67.328	0.105	132.425		
2/27/2012 0:45	828000	19.241	67.339	0.094	132.414		
2/27/2012 1:00	828900	19.241	67.346	0.087	132.407		
2/27/2012 1:15	829800	19.241	67.347	0.086	132.406		
2/27/2012 1:30	830700	19.241	67.332	0.101	132.421		
2/27/2012 1:45	831600	19.242	67.34	0.093	132.413		
2/27/2012 2:00	832500	19.241	67.331	0.102	132.422		
2/27/2012 2:15	833400	19.24	67.341	0.092	132.412		
2/27/2012 2:30	834300	19.24	67.351	0.082	132.402		
2/27/2012 2:45	835200	19.241	67.336	0.097	132.417		
2/27/2012 3:00	836100	19.242	67.339	0.094	132.414		
2/27/2012 3:15	837000	19.24	67.333	0.1	132.42		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/27/2012 3:30	837900	19.242	67.344	0.089	132.409		
2/27/2012 3:45	838800	19.241	67.33	0.103	132.423		
2/27/2012 4:00	839700	19.24	67.334	0.099	132.419		
2/27/2012 4:15	840600	19.242	67.33	0.103	132.423		
2/27/2012 4:30	841500	19.241	67.329	0.104	132.424		
2/27/2012 4:45	842400	19.241	67.329	0.104	132.424		
2/27/2012 5:00	843300	19.242	67.328	0.105	132.425		
2/27/2012 5:15	844200	19.242	67.332	0.101	132.421		
2/27/2012 5:30	845100	19.241	67.323	0.11	132.43		
2/27/2012 5:45	846000	19.242	67.316	0.117	132.437		
2/27/2012 6:00	846900	19.24	67.32	0.113	132.433		
2/27/2012 6:15	847800	19.243	67.329	0.104	132.424		
2/27/2012 6:30	848700	19.243	67.326	0.107	132.427		
2/27/2012 6:45	849600	19.243	67.335	0.098	132.418		
2/27/2012 7:00	850500	19.24	67.328	0.105	132.425		
2/27/2012 7:15	851400	19.242	67.317	0.116	132.436		
2/27/2012 7:30	852300	19.24	67.316	0.117	132.437		
2/27/2012 7:45	853200	19.244	67.317	0.116	132.436		
2/27/2012 8:00	854100	19.242	67.324	0.109	132.429		
2/27/2012 8:15	855000	19.243	67.321	0.112	132.432		
2/27/2012 8:30	855900	19.244	67.321	0.112	132.432		
2/27/2012 8:45	856800	19.243	67.333	0.1	132.42		
2/27/2012 9:00	857700	19.243	67.328	0.105	132.425		
2/27/2012 9:15	858600	19.24	67.341	0.092	132.412		
2/27/2012 9:30	859500	19.242	67.341	0.092	132.412		
2/27/2012 9:45	860400	19.243	67.345	0.088	132.408		
2/27/2012 10:00	861300	19.243	67.333	0.1	132.42		

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MW-4 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWN- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/27/2012 10:15	862200	19.243	67.333	0.1	132.42		
2/27/2012 10:30	863100	19.241	67.332	0.101	132.421		
2/27/2012 10:45	864000	19.24	67.33	0.103	132.423		
2/27/2012 11:00	864900	19.241	67.338	0.095	132.415		
2/27/2012 11:15	865800	19.244	67.332	0.101	132.421		
2/27/2012 11:30	866700	19.242	67.332	0.101	132.421		
2/27/2012 11:45	867600	19.24	67.339	0.094	132.414		
2/27/2012 12:00	868500	19.24	67.338	0.095	132.415		
2/27/2012 12:15	869400	19.24	67.337	0.096	132.416		
2/27/2012 12:30	870300	19.24	67.345	0.088	132.408		
2/27/2012 12:45	871200	19.241	67.353	0.08	132.4		
2/27/2012 13:00	872100	19.242	67.346	0.087	132.407		
2/27/2012 13:15	873000	19.24	67.339	0.094	132.414		
2/27/2012 13:30	873900	19.241	67.35	0.083	132.403		
2/27/2012 13:45	874800	19.243	67.364	0.069	132.389		
2/27/2012 14:00	875700	19.239	67.341	0.092	132.412		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/13/2012 15:00	-331200	19.148	69.008	0	132.08	132.08	DEPLOYED
2/13/2012 16:00	-327600	19.146	69.011	-0.003	132.077		
2/13/2012 17:00	-324000	19.146	68.983	0.025	132.105		
2/13/2012 18:00	-320400	19.15	68.986	0.022	132.102		
2/13/2012 19:00	-316800	19.154	68.987	0.021	132.101		
2/13/2012 20:00	-313200	19.155	68.999	0.009	132.089		
2/13/2012 21:00	-309600	19.159	69.007	0.001	132.081		
2/13/2012 22:00	-306000	19.161	68.979	0.029	132.109		
2/13/2012 23:00	-302400	19.159	69.001	0.007	132.087		
2/14/2012 0:00	-298800	19.16	69.002	0.006	132.086		
2/14/2012 1:00	-295200	19.162	69.005	0.003	132.083		
2/14/2012 2:00	-291600	19.162	68.997	0.011	132.091		
2/14/2012 3:00	-288000	19.159	69.017	-0.009	132.071		
2/14/2012 4:00	-284400	19.16	68.992	0.016	132.096		
2/14/2012 5:00	-280800	19.16	68.986	0.022	132.102		
2/14/2012 6:00	-277200	19.162	68.989	0.019	132.099		
2/14/2012 7:00	-273600	19.163	68.989	0.019	132.099		
2/14/2012 8:00	-270000	19.163	68.982	0.026	132.106		
2/14/2012 9:00	-266400	19.161	68.99	0.018	132.098		
2/14/2012 10:00	-262800	19.165	68.978	0.03	132.11		
2/14/2012 11:00	-259200	19.164	69	0.008	132.088		
2/14/2012 12:00	-255600	19.162	69.007	0.001	132.081		
2/14/2012 13:00	-252000	19.166	69.011	-0.003	132.077		
2/14/2012 14:00	-248400	19.163	69.01	-0.002	132.078		
2/14/2012 15:00	-244800	19.163	69.003	0.005	132.085		
2/14/2012 16:00	-241200	19.166	69.001	0.007	132.087		
2/14/2012 17:00	-237600	19.167	68.992	0.016	132.096		
2/14/2012 18:00	-234000	19.165	68.989	0.019	132.099		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/14/2012 19:00	-230400	19.167	68.987	0.021	132.101		
2/14/2012 20:00	-226800	19.167	68.994	0.014	132.094		
2/14/2012 21:00	-223200	19.165	69.002	0.006	132.086		
2/14/2012 22:00	-219600	19.167	69.002	0.006	132.086		
2/14/2012 23:00	-216000	19.168	69.005	0.003	132.083		
2/15/2012 0:00	-212400	19.17	68.994	0.014	132.094		
2/15/2012 1:00	-208800	19.167	69.009	-0.001	132.079		
2/15/2012 2:00	-205200	19.167	69.014	-0.006	132.074		
2/15/2012 3:00	-201600	19.171	69.008	0	132.08		
2/15/2012 4:00	-198000	19.168	69.018	-0.01	132.07		
2/15/2012 5:00	-194400	19.168	69.012	-0.004	132.076		
2/15/2012 6:00	-190800	19.167	69.007	0.001	132.081		
2/15/2012 7:00	-187200	19.167	69.007	0.001	132.081		
2/15/2012 8:00	-183600	19.17	69.002	0.006	132.086		
2/15/2012 9:00	-180000	19.167	68.995	0.013	132.093		
2/15/2012 10:00	-176400	19.17	68.984	0.024	132.104		
2/15/2012 11:00	-172800	19.171	69	0.008	132.088		
2/15/2012 12:00	-169200	19.168	69	0.008	132.088		
2/15/2012 13:00	-165600	19.17	69.002	0.006	132.086		
2/15/2012 14:00	-162000	19.17	68.992	0.016	132.096		
2/15/2012 15:00	-158400	19.173	69.183	-0.175	131.905	Level TROLL lowered- ~0.1 feet (well dock)	
2/15/2012 16:00	-154800	19.173	69.173	-0.165	131.915		
2/15/2012 17:00	-151200	19.175	69.172	-0.164	131.916		
2/15/2012 18:00	-147600	19.172	69.173	-0.165	131.915		
2/15/2012 19:00	-144000	19.17	69.174	-0.166	131.914		
2/15/2012 20:00	-140400	19.173	69.16	-0.152	131.928		
2/15/2012 21:00	-136800	19.171	69.152	-0.144	131.936		
2/15/2012 22:00	-133200	19.17	69.166	-0.158	131.922		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/15/2012 23:00	-129600	19.172	69.172	-0.164	131.916		
2/16/2012 0:00	-126000	19.172	69.171	-0.163	131.917		
2/16/2012 1:00	-122400	19.171	69.172	-0.164	131.916		
2/16/2012 2:00	-118800	19.17	69.169	-0.161	131.919		
2/16/2012 3:00	-115200	19.173	69.168	-0.16	131.92		
2/16/2012 4:00	-111600	19.172	69.171	-0.163	131.917		
2/16/2012 5:00	-108000	19.17	69.172	-0.164	131.916		
2/16/2012 6:00	-104400	19.174	69.158	-0.15	131.93		
2/16/2012 7:00	-100800	19.173	69.158	-0.15	131.93		
2/16/2012 8:00	-97200	19.175	69.155	-0.147	131.933		
2/16/2012 9:00	-93600	19.172	69.153	-0.145	131.935		
2/16/2012 10:00	-90000	19.174	69.163	-0.155	131.925		
2/16/2012 11:00	-86400	19.174	69.181	-0.173	131.907		
2/16/2012 12:00	-82800	19.173	69.193	-0.185	131.895		
2/16/2012 13:00	-79200	19.173	69.19	-0.182	131.898		
2/16/2012 14:00	-75600	19.174	69.185	-0.177	131.903		
2/16/2012 15:00	-72000	19.177	69.183	-0.175	131.905		
2/16/2012 16:00	-68400	19.174	69.173	-0.165	131.915		
2/16/2012 17:00	-64800	19.172	69.088	-0.08	132		
2/16/2012 18:00	-61200	19.174	69.119	-0.111	131.969		
2/16/2012 19:00	-57600	19.173	69.138	-0.13	131.95		
2/16/2012 20:00	-54000	19.173	69.145	-0.137	131.943		
2/16/2012 21:00	-50400	19.175	69.137	-0.129	131.951		
2/16/2012 22:00	-46800	19.173	69.137	-0.129	131.951		
2/16/2012 23:00	-43200	19.175	69.153	-0.145	131.935		
2/17/2012 0:00	-39600	19.172	69.167	-0.159	131.921		
2/17/2012 1:00	-36000	19.175	69.175	-0.167	131.913		
2/17/2012 2:00	-32400	19.175	69.175	-0.167	131.913		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 3:00	-28800	19.175	69.171	-0.163	131.917		
2/17/2012 4:00	-25200	19.177	69.173	-0.165	131.915		
2/17/2012 5:00	-21600	19.176	69.17	-0.162	131.918		
2/17/2012 6:00	-18000	19.174	69.17	-0.162	131.918		
2/17/2012 7:00	-14400	19.172	69.155	-0.147	131.933		
2/17/2012 8:00	-10800	19.175	69.146	-0.138	131.942		
2/17/2012 9:00	-7200	19.177	69.157	-0.149	131.931	132.11	
2/17/2012 10:30	-1800	19.19	65.725	0	132.08	132.08	
2/17/2012 10:45	-900	19.192	65.704	0.021	132.101		
2/17/2012 11:00	0	19.193	65.719	0.006	132.086		Start of Aquifer Test ~1104
2/17/2012 11:15	900	19.187	64.718	1.007	133.087		
2/17/2012 11:30	1800	19.184	63.982	1.743	133.823		
2/17/2012 11:45	2700	19.174	63.689	2.036	134.116		
2/17/2012 12:00	3600	19.168	63.526	2.199	134.279		
2/17/2012 12:15	4500	19.144	63.424	2.301	134.381		
2/17/2012 12:30	5400	19.137	63.257	2.468	134.548		
2/17/2012 12:45	6300	19.127	63.307	2.418	134.498		
2/17/2012 13:00	7200	19.12	63.159	2.566	134.646		
2/17/2012 13:15	8100	19.114	63.104	2.621	134.701		
2/17/2012 13:30	9000	19.111	63.082	2.643	134.723		
2/17/2012 13:45	9900	19.107	62.855	2.87	134.95		
2/17/2012 14:00	10800	19.103	62.785	2.94	135.02		
2/17/2012 14:15	11700	19.097	62.74	2.985	135.065		
2/17/2012 14:30	12600	19.092	62.679	3.046	135.126		
2/17/2012 14:45	13500	19.088	62.66	3.065	135.145		
2/17/2012 15:00	14400	19.086	62.628	3.097	135.177		
2/17/2012 15:15	15300	19.086	62.548	3.177	135.257		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 15:30	16200	19.08	62.467	3.258	135.338		
2/17/2012 15:45	17100	19.08	62.443	3.282	135.362		
2/17/2012 16:00	18000	19.077	62.442	3.283	135.363		
2/17/2012 16:15	18900	19.078	62.442	3.283	135.363		
2/17/2012 16:30	19800	19.079	62.447	3.278	135.358		
2/17/2012 16:45	20700	19.076	62.425	3.3	135.38		
2/17/2012 17:00	21600	19.076	62.437	3.288	135.368	135.33	
2/17/2012 17:15	22500	19.076	62.332	3.393	135.473		
2/17/2012 17:30	23400	19.076	62.317	3.408	135.488		
2/17/2012 17:45	24300	19.073	62.329	3.396	135.476		
2/17/2012 18:00	25200	19.073	62.376	3.349	135.429		
2/17/2012 18:15	26100	19.074	62.298	3.427	135.507		
2/17/2012 18:30	27000	19.075	62.245	3.48	135.56		
2/17/2012 18:45	27900	19.072	62.235	3.49	135.57		
2/17/2012 19:00	28800	19.071	62.228	3.497	135.577		
2/17/2012 19:15	29700	19.072	62.23	3.495	135.575		
2/17/2012 19:30	30600	19.073	62.22	3.505	135.585		
2/17/2012 19:45	31500	19.07	62.229	3.496	135.576		
2/17/2012 20:00	32400	19.072	62.242	3.483	135.563		
2/17/2012 20:15	33300	19.071	62.205	3.52	135.6		
2/17/2012 20:30	34200	19.069	62.223	3.502	135.582		
2/17/2012 20:45	35100	19.07	62.253	3.472	135.552		
2/17/2012 21:00	36000	19.072	62.29	3.435	135.515		
2/17/2012 21:15	36900	19.073	62.348	3.377	135.457		
2/17/2012 21:30	37800	19.074	62.45	3.275	135.355		
2/17/2012 21:45	38700	19.076	62.554	3.171	135.251		
2/17/2012 22:00	39600	19.077	62.649	3.076	135.156		
2/17/2012 22:15	40500	19.076	62.403	3.322	135.402		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/17/2012 22:30	41400	19.076	62.284	3.441	135.521		
2/17/2012 22:45	42300	19.076	62.264	3.461	135.541		
2/17/2012 23:00	43200	19.072	62.321	3.404	135.484		
2/17/2012 23:15	44100	19.072	62.165	3.56	135.64		
2/17/2012 23:30	45000	19.071	62.112	3.613	135.693		
2/17/2012 23:45	45900	19.07	62.082	3.643	135.723		
2/18/2012 0:00	46800	19.069	62.083	3.642	135.722		
2/18/2012 0:15	47700	19.069	62.068	3.657	135.737		
2/18/2012 0:30	48600	19.069	62.063	3.662	135.742		
2/18/2012 0:45	49500	19.071	62.054	3.671	135.751		
2/18/2012 1:00	50400	19.068	62.059	3.666	135.746		
2/18/2012 1:15	51300	19.069	62.061	3.664	135.744		
2/18/2012 1:30	52200	19.068	62.048	3.677	135.757		
2/18/2012 1:45	53100	19.069	62.039	3.686	135.766		
2/18/2012 2:00	54000	19.067	62.053	3.672	135.752		
2/18/2012 2:15	54900	19.068	61.982	3.743	135.823		
2/18/2012 2:30	55800	19.068	61.9	3.825	135.905		
2/18/2012 2:45	56700	19.068	61.884	3.841	135.921		
2/18/2012 3:00	57600	19.066	61.894	3.831	135.911		
2/18/2012 3:15	58500	19.067	61.892	3.833	135.913		
2/18/2012 3:30	59400	19.069	61.891	3.834	135.914		
2/18/2012 3:45	60300	19.066	61.879	3.846	135.926		
2/18/2012 4:00	61200	19.066	61.877	3.848	135.928		
2/18/2012 4:15	62100	19.067	61.869	3.856	135.936		
2/18/2012 4:30	63000	19.064	61.787	3.938	136.018		
2/18/2012 4:45	63900	19.067	61.784	3.941	136.021		
2/18/2012 5:00	64800	19.065	61.783	3.942	136.022		
2/18/2012 5:15	65700	19.065	61.786	3.939	136.019		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 5:30	66600	19.067	61.771	3.954	136.034		
2/18/2012 5:45	67500	19.067	61.766	3.959	136.039		
2/18/2012 6:00	68400	19.067	61.774	3.951	136.031		
2/18/2012 6:15	69300	19.066	61.696	4.029	136.109		
2/18/2012 6:30	70200	19.066	61.648	4.077	136.157		
2/18/2012 6:45	71100	19.063	61.634	4.091	136.171		
2/18/2012 7:00	72000	19.066	61.605	4.12	136.2		
2/18/2012 7:15	72900	19.061	61.621	4.104	136.184		
2/18/2012 7:30	73800	19.064	61.613	4.112	136.192		
2/18/2012 7:45	74700	19.064	61.61	4.115	136.195		
2/18/2012 8:00	75600	19.067	61.607	4.118	136.198		
2/18/2012 8:15	76500	19.066	61.607	4.118	136.198		
2/18/2012 8:30	77400	19.066	61.611	4.114	136.194		
2/18/2012 8:45	78300	19.065	61.584	4.141	136.221		
2/18/2012 9:00	79200	19.065	61.568	4.157	136.237		
2/18/2012 9:15	80100	19.067	61.581	4.144	136.224		
2/18/2012 9:30	81000	19.065	61.565	4.16	136.24		
2/18/2012 9:45	81900	19.065	61.573	4.152	136.232		
2/18/2012 10:00	82800	19.065	61.573	4.152	136.232		
2/18/2012 10:15	83700	19.065	61.581	4.144	136.224		
2/18/2012 10:30	84600	19.067	61.563	4.162	136.242		
2/18/2012 10:45	85500	19.066	61.551	4.174	136.254		
2/18/2012 11:00	86400	19.067	61.572	4.153	136.233		
2/18/2012 11:15	87300	19.068	61.57	4.155	136.235		
2/18/2012 11:30	88200	19.066	61.579	4.146	136.226		
2/18/2012 11:45	89100	19.067	61.581	4.144	136.224		
2/18/2012 12:00	90000	19.065	61.586	4.139	136.219		
2/18/2012 12:15	90900	19.067	61.528	4.197	136.277		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 12:30	91800	19.066	61.501	4.224	136.304		
2/18/2012 12:45	92700	19.064	61.472	4.253	136.333		
2/18/2012 13:00	93600	19.064	61.47	4.255	136.335		
2/18/2012 13:15	94500	19.065	61.468	4.257	136.337		
2/18/2012 13:30	95400	19.065	61.466	4.259	136.339		
2/18/2012 13:45	96300	19.067	61.464	4.261	136.341		
2/18/2012 14:00	97200	19.065	61.461	4.264	136.344		
2/18/2012 14:15	98100	19.068	61.456	4.269	136.349		
2/18/2012 14:30	99000	19.064	61.474	4.251	136.331		
2/18/2012 14:45	99900	19.067	61.467	4.258	136.338		
2/18/2012 15:00	100800	19.067	61.469	4.256	136.336		
2/18/2012 15:15	101700	19.066	61.44	4.285	136.365		
2/18/2012 15:30	102600	19.062	61.447	4.278	136.358		
2/18/2012 15:45	103500	19.067	61.448	4.277	136.357		
2/18/2012 16:00	104400	19.065	61.475	4.25	136.33		
2/18/2012 16:15	105300	19.066	61.465	4.26	136.34		
2/18/2012 16:30	106200	19.067	61.457	4.268	136.348		
2/18/2012 16:45	107100	19.066	61.467	4.258	136.338		
2/18/2012 17:00	108000	19.064	61.44	4.285	136.365		
2/18/2012 17:15	108900	19.067	61.459	4.266	136.346		
2/18/2012 17:30	109800	19.065	61.457	4.268	136.348		
2/18/2012 17:45	110700	19.067	61.455	4.27	136.35		
2/18/2012 18:00	111600	19.068	61.47	4.255	136.335		
2/18/2012 18:15	112500	19.064	61.451	4.274	136.354		
2/18/2012 18:30	113400	19.066	61.459	4.266	136.346		
2/18/2012 18:45	114300	19.068	61.45	4.275	136.355		
2/18/2012 19:00	115200	19.067	61.434	4.291	136.371		
2/18/2012 19:15	116100	19.067	61.432	4.293	136.373		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/18/2012 19:30	117000	19.067	61.439	4.286	136.366		
2/18/2012 19:45	117900	19.067	61.451	4.274	136.354		
2/18/2012 20:00	118800	19.067	61.436	4.289	136.369		
2/18/2012 20:15	119700	19.067	61.434	4.291	136.371		
2/18/2012 20:30	120600	19.067	61.436	4.289	136.369		
2/18/2012 20:45	121500	19.069	61.469	4.256	136.336		
2/18/2012 21:00	122400	19.067	61.446	4.279	136.359		
2/18/2012 21:15	123300	19.066	61.448	4.277	136.357		
2/18/2012 21:30	124200	19.067	61.46	4.265	136.345		
2/18/2012 21:45	125100	19.068	61.473	4.252	136.332		
2/18/2012 22:00	126000	19.067	61.471	4.254	136.334		
2/18/2012 22:15	126900	19.067	61.476	4.249	136.329		
2/18/2012 22:30	127800	19.069	61.469	4.256	136.336		
2/18/2012 22:45	128700	19.071	61.472	4.253	136.333		
2/18/2012 23:00	129600	19.066	61.493	4.232	136.312		
2/18/2012 23:15	130500	19.069	61.483	4.242	136.322		
2/18/2012 23:30	131400	19.067	61.472	4.253	136.333		
2/18/2012 23:45	132300	19.067	61.477	4.248	136.328		
2/19/2012 0:00	133200	19.067	61.487	4.238	136.318		
2/19/2012 0:15	134100	19.067	61.475	4.25	136.33		
2/19/2012 0:30	135000	19.068	61.489	4.236	136.316		
2/19/2012 0:45	135900	19.068	61.469	4.256	136.336		
2/19/2012 1:00	136800	19.069	61.466	4.259	136.339		
2/19/2012 1:15	137700	19.068	61.457	4.268	136.348		
2/19/2012 1:30	138600	19.069	61.439	4.286	136.366		
2/19/2012 1:45	139500	19.068	61.432	4.293	136.373		
2/19/2012 2:00	140400	19.067	61.433	4.292	136.372		
2/19/2012 2:15	141300	19.069	61.451	4.274	136.354		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 2:30	142200	19.069	61.437	4.288	136.368		
2/19/2012 2:45	143100	19.067	61.438	4.287	136.367		
2/19/2012 3:00	144000	19.069	61.434	4.291	136.371		
2/19/2012 3:15	144900	19.067	61.443	4.282	136.362		
2/19/2012 3:30	145800	19.068	61.446	4.279	136.359		
2/19/2012 3:45	146700	19.067	61.448	4.277	136.357		
2/19/2012 4:00	147600	19.067	61.431	4.294	136.374		
2/19/2012 4:15	148500	19.068	61.452	4.273	136.353		
2/19/2012 4:30	149400	19.071	61.434	4.291	136.371		
2/19/2012 4:45	150300	19.071	61.431	4.294	136.374		
2/19/2012 5:00	151200	19.068	61.428	4.297	136.377		
2/19/2012 5:15	152100	19.07	61.417	4.308	136.388		
2/19/2012 5:30	153000	19.07	61.418	4.307	136.387		
2/19/2012 5:45	153900	19.069	61.42	4.305	136.385		
2/19/2012 6:00	154800	19.069	61.42	4.305	136.385		
2/19/2012 6:15	155700	19.069	61.393	4.332	136.412		
2/19/2012 6:30	156600	19.067	61.392	4.333	136.413		
2/19/2012 6:45	157500	19.069	61.39	4.335	136.415		
2/19/2012 7:00	158400	19.069	61.383	4.342	136.422		
2/19/2012 7:15	159300	19.068	61.374	4.351	136.431		
2/19/2012 7:30	160200	19.067	61.359	4.366	136.446		
2/19/2012 7:45	161100	19.069	61.357	4.368	136.448		
2/19/2012 8:00	162000	19.067	61.36	4.365	136.445		
2/19/2012 8:15	162900	19.07	61.337	4.388	136.468		
2/19/2012 8:30	163800	19.069	61.323	4.402	136.482		
2/19/2012 8:45	164700	19.067	61.32	4.405	136.485		
2/19/2012 9:00	165600	19.068	61.291	4.434	136.514		
2/19/2012 9:15	166500	19.068	61.278	4.447	136.527		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 9:30	167400	19.068	61.266	4.459	136.539		
2/19/2012 9:45	168300	19.065	61.253	4.472	136.552		
2/19/2012 10:00	169200	19.069	61.244	4.481	136.561		
2/19/2012 10:15	170100	19.067	61.253	4.472	136.552		
2/19/2012 10:30	171000	19.07	61.248	4.477	136.557		
2/19/2012 10:45	171900	19.066	61.223	4.502	136.582		
2/19/2012 11:00	172800	19.069	61.219	4.506	136.586		
2/19/2012 11:15	173700	19.067	61.221	4.504	136.584		
2/19/2012 11:30	174600	19.067	61.199	4.526	136.606		
2/19/2012 11:45	175500	19.067	61.187	4.538	136.618		
2/19/2012 12:00	176400	19.067	61.192	4.533	136.613		
2/19/2012 12:15	177300	19.068	61.179	4.546	136.626		
2/19/2012 12:30	178200	19.068	61.183	4.542	136.622		
2/19/2012 12:45	179100	19.067	61.183	4.542	136.622		
2/19/2012 13:00	180000	19.068	61.186	4.539	136.619		
2/19/2012 13:15	180900	19.067	61.168	4.557	136.637		
2/19/2012 13:30	181800	19.067	61.178	4.547	136.627		
2/19/2012 13:45	182700	19.068	61.177	4.548	136.628		
2/19/2012 14:00	183600	19.07	61.179	4.546	136.626		
2/19/2012 14:15	184500	19.068	61.167	4.558	136.638		
2/19/2012 14:30	185400	19.067	61.162	4.563	136.643		
2/19/2012 14:45	186300	19.067	61.167	4.558	136.638		
2/19/2012 15:00	187200	19.068	61.154	4.571	136.651		
2/19/2012 15:15	188100	19.067	61.16	4.565	136.645		
2/19/2012 15:30	189000	19.071	61.147	4.578	136.658		
2/19/2012 15:45	189900	19.067	61.15	4.575	136.655		
2/19/2012 16:00	190800	19.066	61.149	4.576	136.656		
2/19/2012 16:15	191700	19.068	61.138	4.587	136.667		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 16:30	192600	19.067	61.129	4.596	136.676		
2/19/2012 16:45	193500	19.07	61.118	4.607	136.687		
2/19/2012 17:00	194400	19.068	61.125	4.6	136.68		
2/19/2012 17:15	195300	19.066	61.127	4.598	136.678		
2/19/2012 17:30	196200	19.067	61.122	4.603	136.683		
2/19/2012 17:45	197100	19.069	61.111	4.614	136.694		
2/19/2012 18:00	198000	19.069	61.104	4.621	136.701		
2/19/2012 18:15	198900	19.068	61.1	4.625	136.705		
2/19/2012 18:30	199800	19.067	61.104	4.621	136.701		
2/19/2012 18:45	200700	19.067	61.087	4.638	136.718		
2/19/2012 19:00	201600	19.068	61.098	4.627	136.707		
2/19/2012 19:15	202500	19.067	61.087	4.638	136.718		
2/19/2012 19:30	203400	19.068	61.087	4.638	136.718		
2/19/2012 19:45	204300	19.066	61.075	4.65	136.73		
2/19/2012 20:00	205200	19.067	61.058	4.667	136.747		
2/19/2012 20:15	206100	19.068	61.058	4.667	136.747		
2/19/2012 20:30	207000	19.067	61.057	4.668	136.748		
2/19/2012 20:45	207900	19.068	61.046	4.679	136.759		
2/19/2012 21:00	208800	19.068	61.034	4.691	136.771		
2/19/2012 21:15	209700	19.069	61.024	4.701	136.781		
2/19/2012 21:30	210600	19.066	61.017	4.708	136.788		
2/19/2012 21:45	211500	19.067	61.013	4.712	136.792		
2/19/2012 22:00	212400	19.068	61.022	4.703	136.783		
2/19/2012 22:15	213300	19.068	61.023	4.702	136.782		
2/19/2012 22:30	214200	19.067	61.011	4.714	136.794		
2/19/2012 22:45	215100	19.067	61.01	4.715	136.795		
2/19/2012 23:00	216000	19.067	61.006	4.719	136.799		
2/19/2012 23:15	216900	19.066	61.011	4.714	136.794		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/19/2012 23:30	217800	19.069	61.002	4.723	136.803		
2/19/2012 23:45	218700	19.064	61	4.725	136.805		
2/20/2012 0:00	219600	19.066	60.988	4.737	136.817		
2/20/2012 0:15	220500	19.066	61.014	4.711	136.791		
2/20/2012 0:30	221400	19.068	60.989	4.736	136.816		
2/20/2012 0:45	222300	19.069	60.981	4.744	136.824		
2/20/2012 1:00	223200	19.069	60.973	4.752	136.832		
2/20/2012 1:15	224100	19.068	60.968	4.757	136.837		
2/20/2012 1:30	225000	19.068	60.975	4.75	136.83		
2/20/2012 1:45	225900	19.068	60.957	4.768	136.848		
2/20/2012 2:00	226800	19.069	60.965	4.76	136.84		
2/20/2012 2:15	227700	19.067	60.982	4.743	136.823		
2/20/2012 2:30	228600	19.066	60.971	4.754	136.834		
2/20/2012 2:45	229500	19.067	60.96	4.765	136.845		
2/20/2012 3:00	230400	19.067	60.96	4.765	136.845		
2/20/2012 3:15	231300	19.067	60.98	4.745	136.825		
2/20/2012 3:30	232200	19.067	60.982	4.743	136.823		
2/20/2012 3:45	233100	19.068	60.978	4.747	136.827		
2/20/2012 4:00	234000	19.067	60.969	4.756	136.836		
2/20/2012 4:15	234900	19.069	60.939	4.786	136.866		
2/20/2012 4:30	235800	19.063	60.932	4.793	136.873		
2/20/2012 4:45	236700	19.069	60.943	4.782	136.862		
2/20/2012 5:00	237600	19.067	60.93	4.795	136.875		
2/20/2012 5:15	238500	19.065	60.928	4.797	136.877		
2/20/2012 5:30	239400	19.067	60.942	4.783	136.863		
2/20/2012 5:45	240300	19.068	60.95	4.775	136.855		
2/20/2012 6:00	241200	19.065	60.947	4.778	136.858		
2/20/2012 6:15	242100	19.065	60.944	4.781	136.861		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 6:30	243000	19.065	60.952	4.773	136.853		
2/20/2012 6:45	243900	19.066	60.953	4.772	136.852		
2/20/2012 7:00	244800	19.07	60.935	4.79	136.87		
2/20/2012 7:15	245700	19.069	60.942	4.783	136.863		
2/20/2012 7:30	246600	19.066	60.942	4.783	136.863		
2/20/2012 7:45	247500	19.066	60.941	4.784	136.864		
2/20/2012 8:00	248400	19.066	60.954	4.771	136.851		
2/20/2012 8:15	249300	19.066	60.949	4.776	136.856		
2/20/2012 8:30	250200	19.068	60.959	4.766	136.846		
2/20/2012 8:45	251100	19.067	60.942	4.783	136.863		
2/20/2012 9:00	252000	19.067	60.954	4.771	136.851		
2/20/2012 9:15	252900	19.067	60.936	4.789	136.869		
2/20/2012 9:30	253800	19.067	60.941	4.784	136.864		
2/20/2012 9:45	254700	19.067	60.958	4.767	136.847		
2/20/2012 10:00	255600	19.07	60.947	4.778	136.858		
2/20/2012 10:15	256500	19.068	60.956	4.769	136.849		
2/20/2012 10:30	257400	19.067	60.952	4.773	136.853		
2/20/2012 10:45	258300	19.068	60.947	4.778	136.858		
2/20/2012 11:00	259200	19.067	60.951	4.774	136.854		
2/20/2012 11:15	260100	19.068	60.942	4.783	136.863		
2/20/2012 11:30	261000	19.067	60.965	4.76	136.84		
2/20/2012 11:45	261900	19.067	60.962	4.763	136.843		
2/20/2012 12:00	262800	19.069	60.959	4.766	136.846		
2/20/2012 12:15	263700	19.068	60.965	4.76	136.84		
2/20/2012 12:30	264600	19.067	60.957	4.768	136.848		
2/20/2012 12:45	265500	19.067	60.968	4.757	136.837		
2/20/2012 13:00	266400	19.067	60.97	4.755	136.835		
2/20/2012 13:15	267300	19.068	60.947	4.778	136.858		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 13:30	268200	19.066	60.955	4.77	136.85		
2/20/2012 13:35	-1800					137.09	
2/20/2012 13:45	269100	19.068	60.946	4.779	136.859		
2/20/2012 14:00	270000	19.068	60.948	4.777	136.857		
2/20/2012 14:15	270900	19.072	60.953	4.772	136.852		
2/20/2012 14:30	271800	19.069	60.949	4.776	136.856		
2/20/2012 14:45	272700	19.07	60.938	4.787	136.867		
2/20/2012 15:00	273600	19.069	60.938	4.787	136.867		
2/20/2012 15:15	274500	19.068	60.951	4.774	136.854		
2/20/2012 15:30	275400	19.07	60.95	4.775	136.855		
2/20/2012 15:45	276300	19.067	60.951	4.774	136.854		
2/20/2012 16:00	277200	19.067	60.952	4.773	136.853		
2/20/2012 16:15	278100	19.068	60.954	4.771	136.851		
2/20/2012 16:30	279000	19.068	60.946	4.779	136.859		
2/20/2012 16:45	279900	19.067	60.942	4.783	136.863		
2/20/2012 17:00	280800	19.068	60.949	4.776	136.856		
2/20/2012 17:15	281700	19.068	60.945	4.78	136.86		
2/20/2012 17:30	282600	19.067	60.941	4.784	136.864		
2/20/2012 17:45	283500	19.068	60.93	4.795	136.875		
2/20/2012 18:00	284400	19.067	60.932	4.793	136.873		
2/20/2012 18:15	285300	19.068	60.925	4.8	136.88		
2/20/2012 18:30	286200	19.07	60.921	4.804	136.884		
2/20/2012 18:45	287100	19.072	60.918	4.807	136.887		
2/20/2012 19:00	288000	19.068	60.906	4.819	136.899		
2/20/2012 19:15	288900	19.068	60.907	4.818	136.898		
2/20/2012 19:30	289800	19.069	60.934	4.791	136.871		
2/20/2012 19:45	290700	19.066	60.913	4.812	136.892		
2/20/2012 20:00	291600	19.069	60.903	4.822	136.902		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/20/2012 20:15	292500	19.069	60.914	4.811	136.891		
2/20/2012 20:30	293400	19.069	60.899	4.826	136.906		
2/20/2012 20:45	294300	19.068	60.896	4.829	136.909		
2/20/2012 21:00	295200	19.068	60.894	4.831	136.911		
2/20/2012 21:15	296100	19.068	60.892	4.833	136.913		
2/20/2012 21:30	297000	19.067	60.899	4.826	136.906		
2/20/2012 21:45	297900	19.069	60.875	4.85	136.93		
2/20/2012 22:00	298800	19.069	60.875	4.85	136.93		
2/20/2012 22:15	299700	19.068	60.887	4.838	136.918		
2/20/2012 22:30	300600	19.068	60.882	4.843	136.923		
2/20/2012 22:45	301500	19.068	60.882	4.843	136.923		
2/20/2012 23:00	302400	19.067	60.878	4.847	136.927		
2/20/2012 23:15	303300	19.068	60.897	4.828	136.908		
2/20/2012 23:30	304200	19.069	60.897	4.828	136.908		
2/20/2012 23:45	305100	19.068	60.879	4.846	136.926		
2/21/2012 0:00	306000	19.067	60.867	4.858	136.938		
2/21/2012 0:15	306900	19.068	60.852	4.873	136.953		
2/21/2012 0:30	307800	19.07	60.856	4.869	136.949		
2/21/2012 0:45	308700	19.067	60.86	4.865	136.945		
2/21/2012 1:00	309600	19.068	60.864	4.861	136.941		
2/21/2012 1:15	310500	19.067	60.853	4.872	136.952		
2/21/2012 1:30	311400	19.068	60.865	4.86	136.94		
2/21/2012 1:45	312300	19.069	60.851	4.874	136.954		
2/21/2012 2:00	313200	19.068	60.849	4.876	136.956		
2/21/2012 2:15	314100	19.069	60.858	4.867	136.947		
2/21/2012 2:30	315000	19.071	60.843	4.882	136.962		
2/21/2012 2:45	315900	19.069	60.853	4.872	136.952		
2/21/2012 3:00	316800	19.068	60.845	4.88	136.96		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 3:15	317700	19.069	60.852	4.873	136.953		
2/21/2012 3:30	318600	19.069	60.833	4.892	136.972		
2/21/2012 3:45	319500	19.069	60.832	4.893	136.973		
2/21/2012 4:00	320400	19.069	60.837	4.888	136.968		
2/21/2012 4:15	321300	19.067	60.839	4.886	136.966		
2/21/2012 4:30	322200	19.069	60.837	4.888	136.968		
2/21/2012 4:45	323100	19.068	60.833	4.892	136.972		
2/21/2012 5:00	324000	19.068	60.821	4.904	136.984		
2/21/2012 5:15	324900	19.067	60.82	4.905	136.985		
2/21/2012 5:30	325800	19.068	60.821	4.904	136.984		
2/21/2012 5:45	326700	19.07	60.803	4.922	137.002		
2/21/2012 6:00	327600	19.07	60.817	4.908	136.988		
2/21/2012 6:15	328500	19.068	60.81	4.915	136.995		
2/21/2012 6:30	329400	19.07	60.814	4.911	136.991		
2/21/2012 6:45	330300	19.068	60.809	4.916	136.996		
2/21/2012 7:00	331200	19.071	60.82	4.905	136.985		
2/21/2012 7:15	332100	19.069	60.82	4.905	136.985		
2/21/2012 7:30	333000	19.068	60.812	4.913	136.993		
2/21/2012 7:45	333900	19.069	60.805	4.92	137		
2/21/2012 8:00	334800	19.067	60.815	4.91	136.99		
2/21/2012 8:15	335700	19.068	60.804	4.921	137.001		
2/21/2012 8:30	336600	19.069	60.819	4.906	136.986		
2/21/2012 8:45	337500	19.068	60.817	4.908	136.988		
2/21/2012 9:00	338400	19.067	60.815	4.91	136.99		
2/21/2012 9:15	339300	19.068	60.83	4.895	136.975		
2/21/2012 9:30	340200	19.072	60.869	4.856	136.936		
2/21/2012 9:45	341100	19.069	60.871	4.854	136.934		
2/21/2012 10:00	342000	19.072	60.858	4.867	136.947		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 10:15	342900	19.069	60.857	4.868	136.948		
2/21/2012 10:30	343800	19.071	60.866	4.859	136.939		
2/21/2012 10:45	344700	19.068	60.869	4.856	136.936		
2/21/2012 11:00	345600	19.07	60.874	4.851	136.931		
2/21/2012 11:15	346500	19.072	60.895	4.83	136.91		
2/21/2012 11:30	347400	19.07	60.901	4.824	136.904		
2/21/2012 11:45	348300	19.069	60.884	4.841	136.921		
2/21/2012 12:00	349200	19.069	60.888	4.837	136.917		
2/21/2012 12:15	350100	19.071	60.894	4.831	136.911		
2/21/2012 12:30	351000	19.071	60.886	4.839	136.919		
2/21/2012 12:45	351900	19.071	60.9	4.825	136.905		
2/21/2012 13:00	352800	19.071	60.911	4.814	136.894		
2/21/2012 13:15	353700	19.071	60.917	4.808	136.888		
2/21/2012 13:30	354600	19.071	60.904	4.821	136.901		
2/21/2012 13:45	355500	19.071	60.903	4.822	136.902		
2/21/2012 14:00	356400	19.069	60.897	4.828	136.908		
2/21/2012 14:15	357300	19.071	60.896	4.829	136.909		
2/21/2012 14:30	358200	19.069	60.907	4.818	136.898		
2/21/2012 14:45	359100	19.071	60.906	4.819	136.899		
2/21/2012 15:00	360000	19.07	60.905	4.82	136.9		
2/21/2012 15:15	360900	19.07	60.897	4.828	136.908		
2/21/2012 15:30	361800	19.068	60.887	4.838	136.918		
2/21/2012 15:45	362700	19.069	60.9	4.825	136.905		
2/21/2012 16:00	363600	19.07	60.908	4.817	136.897		
2/21/2012 16:15	364500	19.069	60.91	4.815	136.895		
2/21/2012 16:30	365400	19.073	60.9	4.825	136.905		
2/21/2012 16:45	366300	19.072	60.904	4.821	136.901		
2/21/2012 17:00	367200	19.069	60.895	4.83	136.91		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/21/2012 17:15	368100	19.071	60.909	4.816	136.896		
2/21/2012 17:30	369000	19.072	60.899	4.826	136.906		
2/21/2012 17:45	369900	19.071	60.886	4.839	136.919		
2/21/2012 18:00	370800	19.07	60.891	4.834	136.914		
2/21/2012 18:15	371700	19.071	60.87	4.855	136.935		
2/21/2012 18:30	372600	19.071	60.871	4.854	136.934		
2/21/2012 18:45	373500	19.069	60.874	4.851	136.931		
2/21/2012 19:00	374400	19.07	61.072	4.653	136.733		
2/21/2012 19:15	375300	19.073	62.328	3.397	135.477		
2/21/2012 19:30	376200	19.079	62.84	2.885	134.965		
2/21/2012 19:45	377100	19.087	63.127	2.598	134.678		
2/21/2012 20:00	378000	19.091	63.312	2.413	134.493		
2/21/2012 20:15	378900	19.099	63.453	2.272	134.352		
2/21/2012 20:30	379800	19.101	63.564	2.161	134.241		
2/21/2012 20:45	380700	19.104	63.665	2.06	134.14		
2/21/2012 21:00	381600	19.106	63.765	1.96	134.04		
2/21/2012 21:15	382500	19.107	63.839	1.886	133.966		
2/21/2012 21:30	383400	19.11	63.9	1.825	133.905		
2/21/2012 21:45	384300	19.113	63.959	1.766	133.846		
2/21/2012 22:00	385200	19.114	64.014	1.711	133.791		
2/21/2012 22:15	386100	19.115	64.059	1.666	133.746		
2/21/2012 22:30	387000	19.116	64.114	1.611	133.691		
2/21/2012 22:45	387900	19.116	64.143	1.582	133.662		
2/21/2012 23:00	388800	19.116	64.19	1.535	133.615		
2/21/2012 23:15	389700	19.12	64.22	1.505	133.585		
2/21/2012 23:30	390600	19.122	64.248	1.477	133.557		
2/21/2012 23:45	391500	19.121	64.299	1.426	133.506		
2/22/2012 0:00	392400	19.123	64.314	1.411	133.491		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 0:15	393300	19.124	64.349	1.376	133.456		
2/22/2012 0:30	394200	19.123	64.374	1.351	133.431		
2/22/2012 0:45	395100	19.124	64.399	1.326	133.406		
2/22/2012 1:00	396000	19.127	64.419	1.306	133.386		
2/22/2012 1:15	396900	19.126	64.434	1.291	133.371		
2/22/2012 1:30	397800	19.127	64.474	1.251	133.331		
2/22/2012 1:45	398700	19.128	64.497	1.228	133.308		
2/22/2012 2:00	399600	19.127	64.506	1.219	133.299		
2/22/2012 2:15	400500	19.13	64.536	1.189	133.269		
2/22/2012 2:30	401400	19.129	64.565	1.16	133.24		
2/22/2012 2:45	402300	19.129	64.572	1.153	133.233		
2/22/2012 3:00	403200	19.132	64.595	1.13	133.21		
2/22/2012 3:15	404100	19.131	64.611	1.114	133.194		
2/22/2012 3:30	405000	19.129	64.617	1.108	133.188		
2/22/2012 3:45	405900	19.134	64.646	1.079	133.159		
2/22/2012 4:00	406800	19.136	64.659	1.066	133.146		
2/22/2012 4:15	407700	19.137	64.674	1.051	133.131		
2/22/2012 4:30	408600	19.134	64.672	1.053	133.133		
2/22/2012 4:45	409500	19.137	64.692	1.033	133.113		
2/22/2012 5:00	410400	19.135	64.708	1.017	133.097		
2/22/2012 5:15	411300	19.137	64.722	1.003	133.083		
2/22/2012 5:30	412200	19.138	64.738	0.987	133.067		
2/22/2012 5:45	413100	19.137	64.753	0.972	133.052		
2/22/2012 6:00	414000	19.137	64.762	0.963	133.043		
2/22/2012 6:15	414900	19.141	64.764	0.961	133.041		
2/22/2012 6:30	415800	19.139	64.779	0.946	133.026		
2/22/2012 6:45	416700	19.139	64.789	0.936	133.016		
2/22/2012 7:00	417600	19.142	64.797	0.928	133.008		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 7:15	418500	19.14	64.817	0.908	132.988		
2/22/2012 7:30	419400	19.142	64.816	0.909	132.989		
2/22/2012 7:45	420300	19.142	64.821	0.904	132.984		
2/22/2012 8:00	421200	19.142	64.839	0.886	132.966		
2/22/2012 8:15	422100	19.145	64.844	0.881	132.961		
2/22/2012 8:30	423000	19.143	64.87	0.855	132.935		
2/22/2012 8:45	423900	19.142	64.871	0.854	132.934		
2/22/2012 9:00	424800	19.144	64.878	0.847	132.927		
2/22/2012 9:15	425700	19.145	64.881	0.844	132.924		
2/22/2012 9:30	426600	19.146	64.899	0.826	132.906		
2/22/2012 9:45	427500	19.144	64.91	0.815	132.895		
2/22/2012 10:00	428400	19.146	64.905	0.82	132.9		
2/22/2012 10:15	429300	19.145	64.916	0.809	132.889		
2/22/2012 10:30	430200	19.143	64.927	0.798	132.878		
2/22/2012 10:45	431100	19.148	64.95	0.775	132.855		
2/22/2012 11:00	432000	19.149	64.95	0.775	132.855		
2/22/2012 11:15	432900	19.147	64.958	0.767	132.847		
2/22/2012 11:30	433800	19.147	64.961	0.764	132.844		
2/22/2012 11:45	434700	19.149	64.98	0.745	132.825		
2/22/2012 12:00	435600	19.15	64.989	0.736	132.816		
2/22/2012 12:15	436500	19.146	65.004	0.721	132.801		
2/22/2012 12:30	437400	19.149	65.007	0.718	132.798		
2/22/2012 12:45	438300	19.147	65.028	0.697	132.777		
2/22/2012 13:00	439200	19.149	65.036	0.689	132.769		
2/22/2012 13:15	440100	19.149	65.036	0.689	132.769		
2/22/2012 13:30	441000	19.151	65.027	0.698	132.778		
2/22/2012 13:45	441900	19.15	65.047	0.678	132.758		
2/22/2012 14:00	442800	19.151	65.054	0.671	132.751		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 14:15	443700	19.152	65.044	0.681	132.761		
2/22/2012 14:30	444600	19.151	65.062	0.663	132.743		
2/22/2012 14:45	445500	19.152	65.064	0.661	132.741		
2/22/2012 15:00	446400	19.149	65.067	0.658	132.738		
2/22/2012 15:15	447300	19.153	65.076	0.649	132.729		
2/22/2012 15:30	448200	19.151	65.072	0.653	132.733		
2/22/2012 15:45	449100	19.151	65.094	0.631	132.711		
2/22/2012 16:00	450000	19.155	65.081	0.644	132.724		
2/22/2012 16:15	450900	19.154	65.098	0.627	132.707		
2/22/2012 16:30	451800	19.157	65.094	0.631	132.711		
2/22/2012 16:45	452700	19.153	65.094	0.631	132.711		
2/22/2012 17:00	453600	19.155	65.104	0.621	132.701		
2/22/2012 17:15	454500	19.154	65.114	0.611	132.691		
2/22/2012 17:30	455400	19.155	65.118	0.607	132.687		
2/22/2012 17:45	456300	19.155	65.12	0.605	132.685		
2/22/2012 18:00	457200	19.158	65.12	0.605	132.685		
2/22/2012 18:15	458100	19.158	65.124	0.601	132.681		
2/22/2012 18:30	459000	19.157	65.122	0.603	132.683		
2/22/2012 18:45	459900	19.158	65.13	0.595	132.675		
2/22/2012 19:00	460800	19.159	65.127	0.598	132.678		
2/22/2012 19:15	461700	19.155	65.14	0.585	132.665		
2/22/2012 19:30	462600	19.158	65.142	0.583	132.663		
2/22/2012 19:45	463500	19.156	65.137	0.588	132.668		
2/22/2012 20:00	464400	19.158	65.152	0.573	132.653		
2/22/2012 20:15	465300	19.159	65.162	0.563	132.643		
2/22/2012 20:30	466200	19.159	65.155	0.57	132.65		
2/22/2012 20:45	467100	19.16	65.151	0.574	132.654		
2/22/2012 21:00	468000	19.16	65.153	0.572	132.652		

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/22/2012 21:15	468900	19.161	65.161	0.564	132.644		
2/22/2012 21:30	469800	19.159	65.166	0.559	132.639		
2/22/2012 21:45	470700	19.158	65.178	0.547	132.627		
2/22/2012 22:00	471600	19.159	65.172	0.553	132.633		
2/22/2012 22:15	472500	19.158	65.184	0.541	132.621		
2/22/2012 22:30	473400	19.161	65.176	0.549	132.629		
2/22/2012 22:45	474300	19.159	65.183	0.542	132.622		
2/22/2012 23:00	475200	19.163	65.187	0.538	132.618		
2/22/2012 23:15	476100	19.161	65.185	0.54	132.62		
2/22/2012 23:30	477000	19.164	65.192	0.533	132.613		
2/22/2012 23:45	477900	19.161	65.19	0.535	132.615		
2/23/2012 0:00	478800	19.162	65.19	0.535	132.615		
2/23/2012 0:15	479700	19.163	65.207	0.518	132.598		
2/23/2012 0:30	480600	19.159	65.21	0.515	132.595		
2/23/2012 0:45	481500	19.162	65.215	0.51	132.59		
2/23/2012 1:00	482400	19.161	65.218	0.507	132.587		
2/23/2012 1:15	483300	19.163	65.201	0.524	132.604		
2/23/2012 1:30	484200	19.164	65.232	0.493	132.573		
2/23/2012 1:45	485100	19.163	65.232	0.493	132.573		
2/23/2012 2:00	486000	19.164	65.237	0.488	132.568		
2/23/2012 2:15	486900	19.164	65.24	0.485	132.565		
2/23/2012 2:30	487800	19.164	65.242	0.483	132.563		
2/23/2012 2:45	488700	19.166	65.244	0.481	132.561		
2/23/2012 3:00	489600	19.164	65.241	0.484	132.564		
2/23/2012 3:15	490500	19.164	65.258	0.467	132.547		
2/23/2012 3:30	491400	19.164	65.246	0.479	132.559		
2/23/2012 3:45	492300	19.163	65.254	0.471	132.551		
2/23/2012 4:00	493200	19.166	65.258	0.467	132.547		

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BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 4:15	494100	19.165	65.261	0.464	132.544		
2/23/2012 4:30	495000	19.162	65.274	0.451	132.531		
2/23/2012 4:45	495900	19.164	65.26	0.465	132.545		
2/23/2012 5:00	496800	19.165	65.268	0.457	132.537		
2/23/2012 5:15	497700	19.163	65.268	0.457	132.537		
2/23/2012 5:30	498600	19.166	65.268	0.457	132.537		
2/23/2012 5:45	499500	19.165	65.28	0.445	132.525		
2/23/2012 6:00	500400	19.165	65.28	0.445	132.525		
2/23/2012 6:15	501300	19.167	65.275	0.45	132.53		
2/23/2012 6:30	502200	19.163	65.273	0.452	132.532		
2/23/2012 6:45	503100	19.166	65.271	0.454	132.534		
2/23/2012 7:00	504000	19.167	65.273	0.452	132.532		
2/23/2012 7:15	504900	19.169	65.261	0.464	132.544		
2/23/2012 7:30	505800	19.165	65.279	0.446	132.526		
2/23/2012 7:45	506700	19.167	65.284	0.441	132.521		
2/23/2012 8:00	507600	19.168	65.278	0.447	132.527		
2/23/2012 8:15	508500	19.169	65.294	0.431	132.511		
2/23/2012 8:30	509400	19.168	65.29	0.435	132.515		
2/23/2012 8:45	510300	19.169	65.294	0.431	132.511		
2/23/2012 9:00	511200	19.167	65.299	0.426	132.506		
2/23/2012 9:15	512100	19.169	65.288	0.437	132.517		
2/23/2012 9:30	513000	19.167	65.283	0.442	132.522		
2/23/2012 9:45	513900	19.168	65.296	0.429	132.509		
2/23/2012 10:00	514800	19.169	65.296	0.429	132.509		
2/23/2012 10:15	515700	19.167	65.313	0.412	132.492		
2/23/2012 10:30	516600	19.17	65.311	0.414	132.494		
2/23/2012 10:45	517500	19.168	65.3	0.425	132.505		
2/23/2012 11:00	518400	19.166	65.307	0.418	132.498		

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 11:15	519300	19.169	65.309	0.416	132.496		
2/23/2012 11:30	520200	19.171	65.312	0.413	132.493		
2/23/2012 11:45	521100	19.168	65.322	0.403	132.483		
2/23/2012 12:00	522000	19.169	65.348	0.377	132.457		
2/23/2012 12:15	522900	19.172	65.333	0.392	132.472		
2/23/2012 12:30	523800	19.169	65.337	0.388	132.468		
2/23/2012 12:45	524700	19.169	65.33	0.395	132.475		
2/23/2012 13:00	525600	19.171	65.332	0.393	132.473		
2/23/2012 13:15	526500	19.168	65.335	0.39	132.47		
2/23/2012 13:30	527400	19.171	65.359	0.366	132.446		
2/23/2012 13:45	528300	19.17	65.337	0.388	132.468		
2/23/2012 14:00	529200	19.17	65.366	0.359	132.439		
2/23/2012 14:15	530100	19.171	65.349	0.376	132.456		
2/23/2012 14:30	531000	19.171	65.35	0.375	132.455		
2/23/2012 14:45	531900	19.171	65.35	0.375	132.455		
2/23/2012 15:00	532800	19.174	65.351	0.374	132.454		
2/23/2012 15:15	533700	19.172	65.354	0.371	132.451		
2/23/2012 15:30	534600	19.17	65.364	0.361	132.441		
2/23/2012 15:45	535500	19.174	65.354	0.371	132.451		
2/23/2012 16:00	536400	19.17	65.346	0.379	132.459		
2/23/2012 16:15	537300	19.174	65.368	0.357	132.437		
2/23/2012 16:30	538200	19.175	65.379	0.346	132.426		
2/23/2012 16:45	539100	19.176	65.354	0.371	132.451		
2/23/2012 17:00	540000	19.174	65.364	0.361	132.441		
2/23/2012 17:15	540900	19.174	65.369	0.356	132.436		
2/23/2012 17:30	541800	19.172	65.357	0.368	132.448		
2/23/2012 17:45	542700	19.172	65.351	0.374	132.454		
2/23/2012 18:00	543600	19.176	65.352	0.373	132.453		

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/23/2012 18:15	544500	19.174	65.356	0.369	132.449		
2/23/2012 18:30	545400	19.175	65.344	0.381	132.461		
2/23/2012 18:45	546300	19.174	65.379	0.346	132.426		
2/23/2012 19:00	547200	19.174	65.354	0.371	132.451		
2/23/2012 19:15	548100	19.174	65.344	0.381	132.461		
2/23/2012 19:30	549000	19.173	65.35	0.375	132.455		
2/23/2012 19:45	549900	19.175	65.362	0.363	132.443		
2/23/2012 20:00	550800	19.175	65.354	0.371	132.451		
2/23/2012 20:15	551700	19.174	65.352	0.373	132.453		
2/23/2012 20:30	552600	19.173	65.36	0.365	132.445		
2/23/2012 20:45	553500	19.174	65.373	0.352	132.432		
2/23/2012 21:00	554400	19.173	65.35	0.375	132.455		
2/23/2012 21:15	555300	19.176	65.356	0.369	132.449		
2/23/2012 21:30	556200	19.176	65.363	0.362	132.442		
2/23/2012 21:45	557100	19.174	65.349	0.376	132.456		
2/23/2012 22:00	558000	19.174	65.361	0.364	132.444		
2/23/2012 22:15	558900	19.175	65.375	0.35	132.43		
2/23/2012 22:30	559800	19.175	65.369	0.356	132.436		
2/23/2012 22:45	560700	19.179	65.401	0.324	132.404		
2/23/2012 23:00	561600	19.176	65.362	0.363	132.443		
2/23/2012 23:15	562500	19.177	65.373	0.352	132.432		
2/23/2012 23:30	563400	19.174	65.369	0.356	132.436		
2/23/2012 23:45	564300	19.174	65.369	0.356	132.436		
2/24/2012 0:00	565200	19.173	65.391	0.334	132.414		
2/24/2012 0:15	566100	19.178	65.393	0.332	132.412		
2/24/2012 0:30	567000	19.177	65.401	0.324	132.404		
2/24/2012 0:45	567900	19.176	65.393	0.332	132.412		
2/24/2012 1:00	568800	19.176	65.393	0.332	132.412		

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 1:15	569700	19.176	65.369	0.356	132.436		
2/24/2012 1:30	570600	19.177	65.383	0.342	132.422		
2/24/2012 1:45	571500	19.178	65.368	0.357	132.437		
2/24/2012 2:00	572400	19.177	65.387	0.338	132.418		
2/24/2012 2:15	573300	19.175	65.39	0.335	132.415		
2/24/2012 2:30	574200	19.175	65.39	0.335	132.415		
2/24/2012 2:45	575100	19.175	65.396	0.329	132.409		
2/24/2012 3:00	576000	19.175	65.385	0.34	132.42		
2/24/2012 3:15	576900	19.178	65.392	0.333	132.413		
2/24/2012 3:30	577800	19.175	65.389	0.336	132.416		
2/24/2012 3:45	578700	19.176	65.401	0.324	132.404		
2/24/2012 4:00	579600	19.178	65.41	0.315	132.395		
2/24/2012 4:15	580500	19.176	65.405	0.32	132.4		
2/24/2012 4:30	581400	19.176	65.412	0.313	132.393		
2/24/2012 4:45	582300	19.179	65.4	0.325	132.405		
2/24/2012 5:00	583200	19.177	65.395	0.33	132.41		
2/24/2012 5:15	584100	19.178	65.394	0.331	132.411		
2/24/2012 5:30	585000	19.178	65.39	0.335	132.415		
2/24/2012 5:45	585900	19.179	65.404	0.321	132.401		
2/24/2012 6:00	586800	19.18	65.401	0.324	132.404		
2/24/2012 6:15	587700	19.175	65.419	0.306	132.386		
2/24/2012 6:30	588600	19.179	65.393	0.332	132.412		
2/24/2012 6:45	589500	19.178	65.403	0.322	132.402		
2/24/2012 7:00	590400	19.179	65.39	0.335	132.415		
2/24/2012 7:15	591300	19.178	65.389	0.336	132.416		
2/24/2012 7:30	592200	19.178	65.396	0.329	132.409		
2/24/2012 7:45	593100	19.18	65.419	0.306	132.386		
2/24/2012 8:00	594000	19.181	65.418	0.307	132.387		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 8:15	594900	19.177	65.4	0.325	132.405		
2/24/2012 8:30	595800	19.179	65.403	0.322	132.402		
2/24/2012 8:45	596700	19.178	65.427	0.298	132.378		
2/24/2012 9:00	597600	19.179	65.411	0.314	132.394		
2/24/2012 9:15	598500	19.18	65.413	0.312	132.392		
2/24/2012 9:30	599400	19.18	65.416	0.309	132.389		
2/24/2012 9:45	600300	19.178	65.405	0.32	132.4		
2/24/2012 10:00	601200	19.179	65.406	0.319	132.399		
2/24/2012 10:15	602100	19.179	65.429	0.296	132.376		
2/24/2012 10:30	603000	19.179	65.427	0.298	132.378		
2/24/2012 10:45	603900	19.179	65.417	0.308	132.388		
2/24/2012 11:00	604800	19.181	65.414	0.311	132.391		
2/24/2012 11:15	605700	19.179	65.422	0.303	132.383		
2/24/2012 11:30	606600	19.178	65.443	0.282	132.362		
2/24/2012 11:45	607500	19.179	65.427	0.298	132.378		
2/24/2012 12:00	608400	19.18	65.456	0.269	132.349		
2/24/2012 12:15	609300	19.178	65.464	0.261	132.341		
2/24/2012 12:30	610200	19.18	65.435	0.29	132.37		
2/24/2012 12:45	611100	19.18	65.437	0.288	132.368		
2/24/2012 13:00	612000	19.18	65.45	0.275	132.355		
2/24/2012 13:15	612900	19.181	65.458	0.267	132.347		
2/24/2012 13:30	613800	19.181	65.458	0.267	132.347		
2/24/2012 13:45	614700	19.178	65.45	0.275	132.355		
2/24/2012 14:00	615600	19.178	65.473	0.252	132.332		
2/24/2012 14:15	616500	19.179	65.475	0.25	132.33		
2/24/2012 14:30	617400	19.182	65.456	0.269	132.349		
2/24/2012 14:45	618300	19.179	65.457	0.268	132.348		
2/24/2012 15:00	619200	19.181	65.473	0.252	132.332		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 15:15	620100	19.179	65.454	0.271	132.351		
2/24/2012 15:30	621000	19.181	65.456	0.269	132.349		
2/24/2012 15:45	621900	19.18	65.482	0.243	132.323		
2/24/2012 16:00	622800	19.181	65.482	0.243	132.323		
2/24/2012 16:15	623700	19.181	65.465	0.26	132.34		
2/24/2012 16:30	624600	19.179	65.484	0.241	132.321		
2/24/2012 16:45	625500	19.178	65.482	0.243	132.323		
2/24/2012 17:00	626400	19.18	65.458	0.267	132.347		
2/24/2012 17:15	627300	19.183	65.47	0.255	132.335		
2/24/2012 17:30	628200	19.184	65.473	0.252	132.332		
2/24/2012 17:45	629100	19.184	65.462	0.263	132.343		
2/24/2012 18:00	630000	19.181	65.483	0.242	132.322		
2/24/2012 18:15	630900	19.181	65.483	0.242	132.322		
2/24/2012 18:30	631800	19.182	65.46	0.265	132.345		
2/24/2012 18:45	632700	19.183	65.49	0.235	132.315		
2/24/2012 19:00	633600	19.183	65.485	0.24	132.32		
2/24/2012 19:15	634500	19.183	65.484	0.241	132.321		
2/24/2012 19:30	635400	19.183	65.466	0.259	132.339		
2/24/2012 19:45	636300	19.181	65.487	0.238	132.318		
2/24/2012 20:00	637200	19.184	65.49	0.235	132.315		
2/24/2012 20:15	638100	19.182	65.489	0.236	132.316		
2/24/2012 20:30	639000	19.183	65.493	0.232	132.312		
2/24/2012 20:45	639900	19.182	65.476	0.249	132.329		
2/24/2012 21:00	640800	19.184	65.466	0.259	132.339		
2/24/2012 21:15	641700	19.182	65.466	0.259	132.339		
2/24/2012 21:30	642600	19.185	65.466	0.259	132.339		
2/24/2012 21:45	643500	19.182	65.459	0.266	132.346		
2/24/2012 22:00	644400	19.184	65.469	0.256	132.336		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/24/2012 22:15	645300	19.185	65.487	0.238	132.318		
2/24/2012 22:30	646200	19.182	65.487	0.238	132.318		
2/24/2012 22:45	647100	19.182	65.49	0.235	132.315		
2/24/2012 23:00	648000	19.186	65.461	0.264	132.344		
2/24/2012 23:15	648900	19.184	65.482	0.243	132.323		
2/24/2012 23:30	649800	19.186	65.484	0.241	132.321		
2/24/2012 23:45	650700	19.185	65.484	0.241	132.321		
2/25/2012 0:00	651600	19.184	65.497	0.228	132.308		
2/25/2012 0:15	652500	19.185	65.482	0.243	132.323		
2/25/2012 0:30	653400	19.185	65.506	0.219	132.299		
2/25/2012 0:45	654300	19.183	65.482	0.243	132.323		
2/25/2012 1:00	655200	19.185	65.481	0.244	132.324		
2/25/2012 1:15	656100	19.181	65.482	0.243	132.323		
2/25/2012 1:30	657000	19.184	65.489	0.236	132.316		
2/25/2012 1:45	657900	19.183	65.486	0.239	132.319		
2/25/2012 2:00	658800	19.182	65.516	0.209	132.289		
2/25/2012 2:15	659700	19.185	65.515	0.21	132.29		
2/25/2012 2:30	660600	19.182	65.521	0.204	132.284		
2/25/2012 2:45	661500	19.185	65.516	0.209	132.289		
2/25/2012 3:00	662400	19.184	65.527	0.198	132.278		
2/25/2012 3:15	663300	19.185	65.522	0.203	132.283		
2/25/2012 3:30	664200	19.184	65.497	0.228	132.308		
2/25/2012 3:45	665100	19.184	65.504	0.221	132.301		
2/25/2012 4:00	666000	19.183	65.518	0.207	132.287		
2/25/2012 4:15	666900	19.186	65.504	0.221	132.301		
2/25/2012 4:30	667800	19.186	65.521	0.204	132.284		
2/25/2012 4:45	668700	19.185	65.526	0.199	132.279		
2/25/2012 5:00	669600	19.185	65.508	0.217	132.297		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/25/2012 5:15	670500	19.184	65.498	0.227	132.307		
2/25/2012 5:30	671400	19.184	65.495	0.23	132.31		
2/25/2012 5:45	672300	19.184	65.496	0.229	132.309		
2/25/2012 6:00	673200	19.186	65.508	0.217	132.297		
2/25/2012 6:15	674100	19.187	65.52	0.205	132.285		
2/25/2012 6:30	675000	19.185	65.506	0.219	132.299		
2/25/2012 6:45	675900	19.184	65.512	0.213	132.293		
2/25/2012 7:00	676800	19.185	65.502	0.223	132.303		
2/25/2012 7:15	677700	19.187	65.491	0.234	132.314		
2/25/2012 7:30	678600	19.187	65.509	0.216	132.296		
2/25/2012 7:45	679500	19.185	65.495	0.23	132.31		
2/25/2012 8:00	680400	19.189	65.505	0.22	132.3		
2/25/2012 8:15	681300	19.186	65.508	0.217	132.297		
2/25/2012 8:30	682200	19.185	65.525	0.2	132.28		
2/25/2012 8:45	683100	19.188	65.502	0.223	132.303		
2/25/2012 9:00	684000	19.187	65.516	0.209	132.289		
2/25/2012 9:15	684900	19.187	65.488	0.237	132.317		
2/25/2012 9:30	685800	19.187	65.489	0.236	132.316		
2/25/2012 9:45	686700	19.185	65.5	0.225	132.305		
2/25/2012 10:00	687600	19.184	65.519	0.206	132.286		
2/25/2012 10:15	688500	19.186	65.501	0.224	132.304		
2/25/2012 10:30	689400	19.187	65.529	0.196	132.276		
2/25/2012 10:45	690300	19.187	65.504	0.221	132.301		
2/25/2012 11:00	691200	19.185	65.508	0.217	132.297		
2/25/2012 11:15	692100	19.186	65.512	0.213	132.293		
2/25/2012 11:30	693000	19.189	65.533	0.192	132.272		
2/25/2012 11:45	693900	19.184	65.522	0.203	132.283		
2/25/2012 12:00	694800	19.188	65.53	0.195	132.275		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/25/2012 12:15	695700	19.188	65.537	0.188	132.268		
2/25/2012 12:30	696600	19.186	65.544	0.181	132.261		
2/25/2012 12:45	697500	19.188	65.532	0.193	132.273		
2/25/2012 13:00	698400	19.188	65.53	0.195	132.275		
2/25/2012 13:15	699300	19.186	65.526	0.199	132.279		
2/25/2012 13:30	700200	19.186	65.55	0.175	132.255		
2/25/2012 13:45	701100	19.187	65.52	0.205	132.285		
2/25/2012 14:00	702000	19.188	65.544	0.181	132.261		
2/25/2012 14:15	702900	19.185	65.557	0.168	132.248		
2/25/2012 14:30	703800	19.186	65.544	0.181	132.261		
2/25/2012 14:45	704700	19.186	65.55	0.175	132.255		
2/25/2012 15:00	705600	19.189	65.547	0.178	132.258		
2/25/2012 15:15	706500	19.185	65.547	0.178	132.258		
2/25/2012 15:30	707400	19.187	65.536	0.189	132.269		
2/25/2012 15:45	708300	19.184	65.52	0.205	132.285		
2/25/2012 16:00	709200	19.185	65.555	0.17	132.25		
2/25/2012 16:15	710100	19.187	65.549	0.176	132.256		
2/25/2012 16:30	711000	19.186	65.546	0.179	132.259		
2/25/2012 16:45	711900	19.186	65.563	0.162	132.242		
2/25/2012 17:00	712800	19.188	65.534	0.191	132.271		
2/25/2012 17:15	713700	19.189	65.54	0.185	132.265		
2/25/2012 17:30	714600	19.192	65.543	0.182	132.262		
2/25/2012 17:45	715500	19.187	65.538	0.187	132.267		
2/25/2012 18:00	716400	19.188	65.53	0.195	132.275		
2/25/2012 18:15	717300	19.192	65.542	0.183	132.263		
2/25/2012 18:30	718200	19.186	65.55	0.175	132.255		
2/25/2012 18:45	719100	19.186	65.544	0.181	132.261		
2/25/2012 19:00	720000	19.19	65.525	0.2	132.28		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/25/2012 19:15	720900	19.191	65.528	0.197	132.277		
2/25/2012 19:30	721800	19.19	65.552	0.173	132.253		
2/25/2012 19:45	722700	19.189	65.538	0.187	132.267		
2/25/2012 20:00	723600	19.188	65.541	0.184	132.264		
2/25/2012 20:15	724500	19.19	65.534	0.191	132.271		
2/25/2012 20:30	725400	19.19	65.534	0.191	132.271		
2/25/2012 20:45	726300	19.19	65.545	0.18	132.26		
2/25/2012 21:00	727200	19.188	65.522	0.203	132.283		
2/25/2012 21:15	728100	19.19	65.52	0.205	132.285		
2/25/2012 21:30	729000	19.189	65.533	0.192	132.272		
2/25/2012 21:45	729900	19.188	65.528	0.197	132.277		
2/25/2012 22:00	730800	19.191	65.535	0.19	132.27		
2/25/2012 22:15	731700	19.19	65.544	0.181	132.261		
2/25/2012 22:30	732600	19.188	65.516	0.209	132.289		
2/25/2012 22:45	733500	19.191	65.542	0.183	132.263		
2/25/2012 23:00	734400	19.187	65.539	0.186	132.266		
2/25/2012 23:15	735300	19.192	65.527	0.198	132.278		
2/25/2012 23:30	736200	19.188	65.535	0.19	132.27		
2/25/2012 23:45	737100	19.189	65.518	0.207	132.287		
2/26/2012 0:00	738000	19.187	65.534	0.191	132.271		
2/26/2012 0:15	738900	19.189	65.55	0.175	132.255		
2/26/2012 0:30	739800	19.191	65.534	0.191	132.271		
2/26/2012 0:45	740700	19.189	65.546	0.179	132.259		
2/26/2012 1:00	741600	19.19	65.527	0.198	132.278		
2/26/2012 1:15	742500	19.19	65.537	0.188	132.268		
2/26/2012 1:30	743400	19.19	65.521	0.204	132.284		
2/26/2012 1:45	744300	19.191	65.533	0.192	132.272		
2/26/2012 2:00	745200	19.191	65.531	0.194	132.274		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 2:15	746100	19.19	65.556	0.169	132.249		
2/26/2012 2:30	747000	19.19	65.544	0.181	132.261		
2/26/2012 2:45	747900	19.19	65.541	0.184	132.264		
2/26/2012 3:00	748800	19.19	65.547	0.178	132.258		
2/26/2012 3:15	749700	19.191	65.549	0.176	132.256		
2/26/2012 3:30	750600	19.192	65.548	0.177	132.257		
2/26/2012 3:45	751500	19.19	65.542	0.183	132.263		
2/26/2012 4:00	752400	19.192	65.541	0.184	132.264		
2/26/2012 4:15	753300	19.19	65.549	0.176	132.256		
2/26/2012 4:30	754200	19.19	65.526	0.199	132.279		
2/26/2012 4:45	755100	19.19	65.548	0.177	132.257		
2/26/2012 5:00	756000	19.191	65.53	0.195	132.275		
2/26/2012 5:15	756900	19.189	65.541	0.184	132.264		
2/26/2012 5:30	757800	19.192	65.526	0.199	132.279		
2/26/2012 5:45	758700	19.189	65.555	0.17	132.25		
2/26/2012 6:00	759600	19.191	65.548	0.177	132.257		
2/26/2012 6:15	760500	19.189	65.552	0.173	132.253		
2/26/2012 6:30	761400	19.192	65.552	0.173	132.253		
2/26/2012 6:45	762300	19.19	65.563	0.162	132.242		
2/26/2012 7:00	763200	19.189	65.529	0.196	132.276		
2/26/2012 7:15	764100	19.189	65.547	0.178	132.258		
2/26/2012 7:30	765000	19.19	65.527	0.198	132.278		
2/26/2012 7:45	765900	19.191	65.525	0.2	132.28		
2/26/2012 8:00	766800	19.19	65.534	0.191	132.271		
2/26/2012 8:15	767700	19.191	65.536	0.189	132.269		
2/26/2012 8:30	768600	19.192	65.552	0.173	132.253		
2/26/2012 8:45	769500	19.192	65.554	0.171	132.251		
2/26/2012 9:00	770400	19.192	65.536	0.189	132.269		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 9:15	771300	19.192	65.542	0.183	132.263		
2/26/2012 9:30	772200	19.188	65.531	0.194	132.274		
2/26/2012 9:45	773100	19.189	65.565	0.16	132.24		
2/26/2012 10:00	774000	19.192	65.57	0.155	132.235		
2/26/2012 10:15	774900	19.191	65.558	0.167	132.247		
2/26/2012 10:30	775800	19.191	65.569	0.156	132.236		
2/26/2012 10:45	776700	19.192	65.572	0.153	132.233		
2/26/2012 11:00	777600	19.192	65.562	0.163	132.243		
2/26/2012 11:15	778500	19.193	65.55	0.175	132.255		
2/26/2012 11:30	779400	19.193	65.577	0.148	132.228		
2/26/2012 11:45	780300	19.192	65.576	0.149	132.229		
2/26/2012 12:00	781200	19.192	65.583	0.142	132.222		
2/26/2012 12:15	782100	19.193	65.589	0.136	132.216		
2/26/2012 12:30	783000	19.19	65.586	0.139	132.219		
2/26/2012 12:45	783900	19.19	65.598	0.127	132.207		
2/26/2012 13:00	784800	19.191	65.561	0.164	132.244		
2/26/2012 13:15	785700	19.193	65.578	0.147	132.227		
2/26/2012 13:30	786600	19.191	65.577	0.148	132.228		
2/26/2012 13:45	787500	19.192	65.568	0.157	132.237		
2/26/2012 14:00	788400	19.192	65.586	0.139	132.219		
2/26/2012 14:15	789300	19.191	65.572	0.153	132.233		
2/26/2012 14:30	790200	19.192	65.585	0.14	132.22		
2/26/2012 14:45	791100	19.189	65.586	0.139	132.219		
2/26/2012 15:00	792000	19.192	65.571	0.154	132.234		
2/26/2012 15:15	792900	19.192	65.572	0.153	132.233		
2/26/2012 15:30	793800	19.193	65.572	0.153	132.233		
2/26/2012 15:45	794700	19.193	65.592	0.133	132.213		
2/26/2012 16:00	795600	19.193	65.585	0.14	132.22		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 16:15	796500	19.192	65.581	0.144	132.224		
2/26/2012 16:30	797400	19.191	65.597	0.128	132.208		
2/26/2012 16:45	798300	19.191	65.571	0.154	132.234		
2/26/2012 17:00	799200	19.19	65.589	0.136	132.216		
2/26/2012 17:15	800100	19.193	65.577	0.148	132.228		
2/26/2012 17:30	801000	19.191	65.581	0.144	132.224		
2/26/2012 17:45	801900	19.19	65.582	0.143	132.223		
2/26/2012 18:00	802800	19.193	65.585	0.14	132.22		
2/26/2012 18:15	803700	19.191	65.596	0.129	132.209		
2/26/2012 18:30	804600	19.194	65.581	0.144	132.224		
2/26/2012 18:45	805500	19.192	65.589	0.136	132.216		
2/26/2012 19:00	806400	19.193	65.585	0.14	132.22		
2/26/2012 19:15	807300	19.193	65.576	0.149	132.229		
2/26/2012 19:30	808200	19.193	65.574	0.151	132.231		
2/26/2012 19:45	809100	19.195	65.585	0.14	132.22		
2/26/2012 20:00	810000	19.194	65.593	0.132	132.212		
2/26/2012 20:15	810900	19.194	65.586	0.139	132.219		
2/26/2012 20:30	811800	19.193	65.596	0.129	132.209		
2/26/2012 20:45	812700	19.192	65.6	0.125	132.205		
2/26/2012 21:00	813600	19.195	65.589	0.136	132.216		
2/26/2012 21:15	814500	19.193	65.578	0.147	132.227		
2/26/2012 21:30	815400	19.194	65.57	0.155	132.235		
2/26/2012 21:45	816300	19.193	65.575	0.15	132.23		
2/26/2012 22:00	817200	19.193	65.595	0.13	132.21		
2/26/2012 22:15	818100	19.193	65.582	0.143	132.223		
2/26/2012 22:30	819000	19.194	65.595	0.13	132.21		
2/26/2012 22:45	819900	19.194	65.592	0.133	132.213		
2/26/2012 23:00	820800	19.191	65.572	0.153	132.233		

Table D-7

MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/26/2012 23:15	821700	19.193	65.58	0.145	132.225		
2/26/2012 23:30	822600	19.193	65.585	0.14	132.22		
2/26/2012 23:45	823500	19.191	65.581	0.144	132.224		
2/27/2012 0:00	824400	19.193	65.604	0.121	132.201		
2/27/2012 0:15	825300	19.195	65.604	0.121	132.201		
2/27/2012 0:30	826200	19.193	65.6	0.125	132.205		
2/27/2012 0:45	827100	19.19	65.602	0.123	132.203		
2/27/2012 1:00	828000	19.195	65.602	0.123	132.203		
2/27/2012 1:15	828900	19.194	65.609	0.116	132.196		
2/27/2012 1:30	829800	19.194	65.582	0.143	132.223		
2/27/2012 1:45	830700	19.193	65.593	0.132	132.212		
2/27/2012 2:00	831600	19.193	65.606	0.119	132.199		
2/27/2012 2:15	832500	19.194	65.598	0.127	132.207		
2/27/2012 2:30	833400	19.192	65.604	0.121	132.201		
2/27/2012 2:45	834300	19.193	65.603	0.122	132.202		
2/27/2012 3:00	835200	19.194	65.615	0.11	132.19		
2/27/2012 3:15	836100	19.194	65.604	0.121	132.201		
2/27/2012 3:30	837000	19.195	65.607	0.118	132.198		
2/27/2012 3:45	837900	19.193	65.588	0.137	132.217		
2/27/2012 4:00	838800	19.193	65.601	0.124	132.204		
2/27/2012 4:15	839700	19.193	65.597	0.128	132.208		
2/27/2012 4:30	840600	19.192	65.603	0.122	132.202		
2/27/2012 4:45	841500	19.198	65.597	0.128	132.208		
2/27/2012 5:00	842400	19.195	65.577	0.148	132.228		
2/27/2012 5:15	843300	19.193	65.59	0.135	132.215		
2/27/2012 5:30	844200	19.192	65.585	0.14	132.22		
2/27/2012 5:45	845100	19.193	65.586	0.139	132.219		
2/27/2012 6:00	846000	19.195	65.593	0.132	132.212		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/27/2012 6:15	846900	19.193	65.592	0.133	132.213		
2/27/2012 6:30	847800	19.193	65.597	0.128	132.208		
2/27/2012 6:45	848700	19.193	65.597	0.128	132.208		
2/27/2012 7:00	849600	19.195	65.592	0.133	132.213		
2/27/2012 7:15	850500	19.195	65.564	0.161	132.241		
2/27/2012 7:30	851400	19.195	65.599	0.126	132.206		
2/27/2012 7:45	852300	19.194	65.551	0.174	132.254		
2/27/2012 8:00	853200	19.195	65.578	0.147	132.227		
2/27/2012 8:15	854100	19.194	65.588	0.137	132.217		
2/27/2012 8:30	855000	19.196	65.585	0.14	132.22		
2/27/2012 8:45	855900	19.194	65.589	0.136	132.216		
2/27/2012 9:00	856800	19.196	65.576	0.149	132.229		
2/27/2012 9:15	857700	19.197	65.584	0.141	132.221		
2/27/2012 9:30	858600	19.193	65.585	0.14	132.22		
2/27/2012 9:45	859500	19.197	65.6	0.125	132.205		
2/27/2012 10:00	860400	19.194	65.599	0.126	132.206		
2/27/2012 10:15	861300	19.195	65.608	0.117	132.197		
2/27/2012 10:30	862200	19.194	65.598	0.127	132.207		
2/27/2012 10:45	863100	19.196	65.591	0.134	132.214		
2/27/2012 11:00	864000	19.197	65.589	0.136	132.216		
2/27/2012 11:15	864900	19.195	65.58	0.145	132.225		
2/27/2012 11:30	865800	19.193	65.602	0.123	132.203		
2/27/2012 11:45	866700	19.195	65.597	0.128	132.208		
2/27/2012 12:00	867600	19.195	65.615	0.11	132.19		
2/27/2012 12:15	868500	19.194	65.619	0.106	132.186		
2/27/2012 12:30	869400	19.194	65.608	0.117	132.197		
2/27/2012 12:45	870300	19.197	65.605	0.12	132.2		
2/27/2012 13:00	871200	19.193	65.584	0.141	132.221		

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MW-5 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAW- DOWN (ft)	DTW (ft BTOC)	Measurement (ft btoc)	Comments
2/27/2012 13:15	872100	19.194	65.599	0.126	132.206		
2/27/2012 13:30	873000	19.196	65.594	0.131	132.211		
2/27/2012 13:45	873900	19.196	65.585	0.14	132.22		
2/27/2012 14:00	874800	19.194	65.607	0.118	132.198		

Table D-8

MW-6 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds	Temp (C)	Depth (ft)	DRAWDOWN (ft)	DTW (ft BTOC)	Manual Measurement (ft btoc)	Comments
2/13/2012 15:00	-334800	19.263	67.52	0.001	0.001	130.48	
2/13/2012 16:00	-331200	19.335	67.521	0	0		
2/13/2012 17:00	-327600	19.345	67.487	0.034	0.034		
2/13/2012 18:00	-324000	19.345	67.496	0.025	0.025		
2/13/2012 19:00	-320400	19.347	67.515	0.006	0.006		
2/13/2012 20:00	-316800	19.345	67.516	0.005	0.005		
2/13/2012 21:00	-313200	19.346	67.526	-0.005	-0.005		
2/13/2012 22:00	-309600	19.346	67.516	0.005	0.005		
2/13/2012 23:00	-306000	19.348	67.52	0.001	0.001		
2/14/2012 0:00	-302400	19.348	67.518	0.003	0.003		
2/14/2012 1:00	-298800	19.35	67.516	0.005	0.005		
2/14/2012 2:00	-295200	19.352	67.505	0.016	0.016		
2/14/2012 3:00	-291600	19.351	67.531	-0.01	-0.01		
2/14/2012 4:00	-288000	19.351	67.52	0.001	0.001		
2/14/2012 5:00	-284400	19.351	67.503	0.018	0.018		
2/14/2012 6:00	-280800	19.35	67.514	0.007	0.007		
2/14/2012 7:00	-277200	19.353	67.511	0.01	0.01		
2/14/2012 8:00	-273600	19.354	67.52	0.001	0.001		
2/14/2012 9:00	-270000	19.351	67.508	0.013	0.013		
2/14/2012 10:00	-266400	19.35	67.52	0.001	0.001		
2/14/2012 11:00	-262800	19.354	67.51	0.011	0.011		
2/14/2012 12:00	-259200	19.35	67.523	-0.002	-0.002		
2/14/2012 13:00	-255600	19.353	67.534	-0.013	-0.013		
2/14/2012 14:00	-252000	19.354	67.545	-0.024	-0.024		
2/14/2012 15:00	-248400	19.354	67.52	0.001	0.001		
2/14/2012 16:00	-244800	19.352	67.508	0.013	0.013		
2/14/2012 17:00	-241200	19.348	67.509	0.012	0.012		
2/14/2012 18:00	-237600	19.354	67.535	-0.014	-0.014		

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MW-6 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/14/2012 19:00	-234000	19.35	67.504	0.017	0.017		
2/14/2012 20:00	-230400	19.355	67.513	0.008	0.008		
2/14/2012 21:00	-226800	19.359	67.515	0.006	0.006		
2/14/2012 22:00	-223200	19.355	67.535	-0.014	-0.014		
2/14/2012 23:00	-219600	19.356	67.514	0.007	0.007		
2/15/2012 0:00	-216000	19.356	67.514	0.007	0.007		
2/15/2012 1:00	-212400	19.355	67.525	-0.004	-0.004		
2/15/2012 2:00	-208800	19.353	67.524	-0.003	-0.003		
2/15/2012 3:00	-205200	19.356	67.529	-0.008	-0.008		
2/15/2012 4:00	-201600	19.355	67.57	-0.049	-0.049		
2/15/2012 5:00	-198000	19.36	67.532	-0.011	-0.011		
2/15/2012 6:00	-194400	19.357	67.54	-0.019	-0.019		
2/15/2012 7:00	-190800	19.356	67.53	-0.009	-0.009		
2/15/2012 8:00	-187200	19.354	67.52	0.001	0.001		
2/15/2012 9:00	-183600	19.358	67.517	0.004	0.004		
2/15/2012 10:00	-180000	19.357	67.509	0.012	0.012		
2/15/2012 11:00	-176400	19.357	67.516	0.005	0.005		
2/15/2012 12:00	-172800	19.354	67.544	-0.023	-0.023		
2/15/2012 13:00	-169200	19.358	67.529	-0.008	-0.008		
2/15/2012 14:00	-165600	19.358	67.515	0.006	0.006		
2/15/2012 15:00	-162000	19.359	67.524	-0.003	-0.003		
2/15/2012 16:00	-158400	19.357	67.531	-0.01	-0.01	Level TROLL lowered- ~0.5 feet (well dock)	
2/15/2012 17:00	-154800	19.36	68.052	-0.531	-0.031		
2/15/2012 18:00	-151200	19.359	68.071	-0.55	-0.05		
2/15/2012 19:00	-147600	19.363	68.06	-0.539	-0.039		
2/15/2012 20:00	-144000	19.362	68.048	-0.527	-0.027		
2/15/2012 21:00	-140400	19.362	68.045	-0.524	-0.024		
2/15/2012 22:00	-136800	19.36	68.065	-0.544	-0.044		
2/15/2012 23:00	-133200	19.361	68.052	-0.531	-0.031		
2/16/2012 0:00	-129600	19.359	68.044	-0.523	-0.023		
2/16/2012 1:00	-126000	19.36	68.042	-0.521	-0.021		

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MW-6 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/16/2012 2:00	-122400	19.361	68.054	-0.533	-0.033	
2/16/2012 3:00	-118800	19.36	68.059	-0.538	-0.038	
2/16/2012 4:00	-115200	19.363	68.054	-0.533	-0.033	
2/16/2012 5:00	-111600	19.362	68.04	-0.519	-0.019	
2/16/2012 6:00	-108000	19.364	68.037	-0.516	-0.016	
2/16/2012 7:00	-104400	19.361	68.029	-0.508	-0.008	
2/16/2012 8:00	-100800	19.362	68.055	-0.534	-0.034	
2/16/2012 9:00	-97200	19.363	68.043	-0.522	-0.022	
2/16/2012 10:00	-93600	19.362	68.05	-0.529	-0.029	
2/16/2012 10:05	-90000				130.51	
2/16/2012 11:00	-86400	19.362	68.056	-0.535	-0.035	
2/16/2012 12:00	-82800	19.365	68.074	-0.553	-0.053	
2/16/2012 13:00	-79200	19.361	68.055	-0.534	-0.034	
2/16/2012 14:00	-75600	19.36	68.071	-0.55	-0.05	
2/16/2012 15:00	-72000	19.366	68.065	-0.544	-0.044	
2/16/2012 16:00	-68400	19.364	68.059	-0.538	-0.038	
2/16/2012 17:00	-64800	19.361	68.069	-0.548	-0.048	
2/16/2012 18:00	-61200	19.364	68.051	-0.53	-0.03	
2/16/2012 19:00	-57600	19.36	68.064	-0.543	-0.043	
2/16/2012 20:00	-54000	19.365	68.05	-0.529	-0.029	
2/16/2012 21:00	-50400	19.362	68.036	-0.515	-0.015	
2/16/2012 22:00	-46800	19.36	68.045	-0.524	-0.024	
2/16/2012 23:00	-43200	19.361	68.063	-0.542	-0.042	
2/17/2012 0:00	-39600	19.365	68.057	-0.536	-0.036	
2/17/2012 1:00	-36000	19.365	68.076	-0.555	-0.055	
2/17/2012 2:00	-32400	19.361	68.062	-0.541	-0.041	
2/17/2012 3:00	-28800	19.365	68.055	-0.534	-0.034	
2/17/2012 4:00	-25200	19.361	68.055	-0.534	-0.034	
2/17/2012 5:00	-21600	19.363	68.068	-0.547	-0.047	
2/17/2012 6:00	-18000	19.366	68.051	-0.53	-0.03	
2/17/2012 7:00	-14400	19.365	68.048	-0.527	-0.027	

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MW-6 Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

2/17/2012 8:00	-10800	19.361	68.044	-0.523	-0.023		
2/17/2012 9:00	-7200	19.363	68.047	-0.526	-0.026		
2/17/2012 10:00	-3600	19.364	68.057	-0.536	-0.036		
2/17/2012 10:40						131.50	Start of Aquifer Test ~1104
2/17/2012 17:00						131.52	
2/18/2012 14:00						130.52	
2/20/2012 13:49						130.54	
2/22/2012 13:15						130.58	
2/23/2012 13:15						130.56	
2/25/2012 11:30						130.53	
2/27/2012 14:20						130.5	

Table D-9

Manual Water Level and Totalizer Data
Pumping Wells
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Orchard Well				Well #3			
Date/Time	Depth To Water (ft BTOC)	Flow (GPM)	Totalizer (gallons)	Date/Time	Depth To Water (ft BTOC)	Flow (GPM)	Totalizer (gallons)
2/17/2012 11:00			154680	2/17/2012 11:00			40730
2/17/2012 16:52	169.06	45.29	170520	2/17/2012 16:56	142.28	45.37	56750
2/17/2012 18:05	173.60	44.80	117020	2/17/2012 20:07	142.45	40.44	23714
2/17/2012 19:09	174.80	43.58	120020	2/17/2012 22:00	140.57	32.45	28022
2/17/2012 21:02	178.22	43.94	124639	2/17/2012 23:57	142.90	43.44	33127
2/17/2012 23:03	174.70	43.09	129958	2/18/2012 2:01	142.62	41.28	38300
2/18/2012 1:00	174.85	42.97	134974	2/18/2012 4:00	143.15	42.46	43592
2/18/2012 3:00	175.90	43.70	140330	2/18/2012 6:00	143.50	42.48	48641
2/18/2012 5:00	177.30	42.97	145514	2/18/2012 8:05	144.00	44.41	54319
2/18/2012 7:00	177.10	42.97	150565	2/18/2012 10:04	144.00	43.81	59624
2/18/2012 9:03	176.60	43.21	155990	2/18/2012 12:01	144.70	42.84	64733
2/18/2012 11:00	176.40	43.09	161110	2/18/2012 14:02	144.10	44.41	70173
2/18/2012 13:00	176.60	44.19	166200	2/18/2012 16:02	143.90	42.12	75473
2/18/2012 15:01	180.70	44.80	171700	2/18/2012 18:03	143.95	43.68	80802
2/18/2012 17:00	180.70	44.55	177080	2/18/2012 20:00	143.95	43.93	85950
2/18/2012 19:30	179.60	44.68	183417	2/18/2012 22:00	143.70	43.93	91147
2/18/2012 21:02	180.70	44.80	187774	2/18/2012 23:55	143.70	44.05	96235
2/18/2012 23:00	181.10	44.92	193075	2/19/2012 2:01	143.80	44.23	101774
2/19/2012 0:58	181.10	44.68	198333	2/19/2012 4:00	143.75	43.93	107050
2/19/2012 3:00	181.55	44.80	203860	2/19/2012 6:00	143.80	44.17	112319
2/19/2012 5:00	181.90	44.92	209196	2/19/2012 8:00	143.90	44.05	117670
2/19/2012 7:00	181.60	44.68	214420	2/19/2012 10:00	145.40	45.25	123060
2/19/2012 9:00	181.60	44.55	220110	2/19/2012 12:00	144.60	45.86	128400
2/19/2012 11:00	181.60	44.55	225300	2/19/2012 14:00	144.60	45.86	134140
2/19/2012 13:00	184.60	44.68	230590	2/19/2012 16:00	144.70	45.74	139560
2/19/2012 15:00	185.40	44.43	236110	2/19/2012 18:00	144.70	45.74	145140
2/19/2012 17:00	185.00	44.31	241490	2/19/2012 20:04	144.75	46.10	150596
2/19/2012 19:00	182.00	44.80	246990	2/19/2012 22:03	144.75	46.10	156167
2/19/2012 21:28	185.15	44.43	253212	2/20/2012 0:02	144.80	46.46	161580
2/19/2012 23:00	186.10	44.80	257233	2/20/2012 2:00	145.00	46.58	167138
2/20/2012 1:00	185.90	44.80	262626	2/20/2012 4:25	145.05	45.46	174015
2/20/2012 3:00	186.25	44.55	268034	2/20/2012 6:00	144.95	46.10	178410
2/20/2012 5:02	186.20	44.43	273337	2/20/2012 8:00	144.95	45.25	183720
2/20/2012 7:00	186.10	44.55	278695	2/20/2012 10:00	144.95	45.37	189290
2/20/2012 9:00	186.10	44.55	284010	2/20/2012 12:00	144.80	45.37	194881
2/20/2012 11:00	183.50	44.19	289591	2/20/2012 14:00	144.80	45.01	200142
2/20/2012 13:00	185.40	44.07	294805	2/20/2012 16:00	144.80	45.13	205102
2/20/2012 15:00	182.25	43.07	300053	2/20/2012 18:00	144.90	45.13	211021
2/20/2012 17:00	183.75	43.82	305201	2/20/2012 20:05	144.85	45.01	216602
2/20/2012 19:00	181.50	43.82	310718	2/20/2012 22:00	144.90	45.25	221733
2/20/2012 20:58	181.10	44.19	315604	2/21/2012 0:03	144.95	45.01	227183
2/20/2012 23:00	181.60	44.43	320977	2/21/2012 2:01	144.95	45.13	232567
2/21/2012 0:58	182.00	44.19	326204	2/21/2012 4:01	145.00	45.25	237973
2/21/2012 3:04	182.35	44.19	331667	2/21/2012 6:00	145.00	45.13	243340
2/21/2012 5:00	183.05	44.31	336986	2/21/2012 8:00	145.10	45.01	249040
2/21/2012 7:00	183.20	44.07	342246	2/21/2012 10:00	144.85	43.80	254300
2/21/2012 9:05	186.75	43.94	347850	2/21/2012 12:00	144.70	43.56	259330
2/21/2012 11:10	182.45	43.82	353360	2/21/2012 14:00	145.60	43.68	264920
2/21/2012 13:00	182.00	43.82	358130	2/21/2012 16:00	144.60	43.56	269890
2/21/2012 15:00	182.20	44.07	363380	2/21/2012 18:00	144.70	43.44	275010
2/21/2012 17:00	180.90	43.58	368870				
2/21/2012 19:00	182.30	43.46	373990				

Table D-10

Manual Water Level Data
Well #2 Well #4
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Well 2		Well 4	
Date time	Depth to water (ft BTOC)	Date time	Depth to water (ft BTOC)
1/26/2012 11:00	130.81	1/26/2012 11:30	113.7
2/8/2012 8:00	130.78	2/8/2012 9:00	113.66
2/13/2012 12:00	130.85	2/13/2012 12:30	113.72
2/15/2012 11:15	130.82	2/15/2012 11:25	113.71
2/16/2012 10:30	130.89	2/16/2012 9:45	113.73
2/17/2012 11:00	130.8	2/17/2012 10:00	113.71
2/17/2012 17:00	130.82	2/17/2012 17:00	113.7
2/18/2012 14:30	130.88	2/18/2012 14:15	113.68
2/20/2012 13:47	130.79	2/20/2012 14:10	113.68
2/22/2012 13:30	130.78	2/22/2012 13:20	113.7
2/23/2012 13:30	130.82	2/23/2012 13:25	113.68
2/25/2012 11:15	130.85	2/25/2012 10:50	113.66
2/27/2012 14:05	130.82	2/27/2012 14:15	113.72

Table D-11

Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
1/18/2012 8:51	-2599740	18.806	-0.009	
1/18/2012 9:51	-2596140	18.748	0.039	
1/18/2012 10:51	-2592540	18.753	0.087	
1/18/2012 11:51	-2588940	18.75	0.103	
1/18/2012 12:51	-2585340	18.749	0.137	
1/18/2012 13:51	-2581740	18.749	0.142	
1/18/2012 14:51	-2578140	18.749	0.168	
1/18/2012 15:51	-2574540	18.75	0.178	
1/18/2012 16:51	-2570940	18.749	0.188	
1/18/2012 17:51	-2567340	18.745	0.184	
1/18/2012 18:51	-2563740	18.749	0.202	
1/18/2012 19:51	-2560140	18.75	0.196	
1/18/2012 20:51	-2556540	18.747	0.199	
1/18/2012 21:51	-2552940	18.745	0.199	
1/18/2012 22:51	-2549340	18.749	0.201	
1/18/2012 23:51	-2545740	18.749	0.214	
1/19/2012 0:51	-2542140	18.748	0.214	
1/19/2012 1:51	-2538540	18.747	0.202	
1/19/2012 2:51	-2534940	18.747	0.212	
1/19/2012 3:51	-2531340	18.747	0.199	
1/19/2012 4:51	-2527740	18.746	0.211	
1/19/2012 5:51	-2524140	18.746	0.197	
1/19/2012 6:51	-2520540	18.748	0.209	
1/19/2012 7:51	-2516940	18.746	0.196	
1/19/2012 8:51	-2513340	18.747	0.197	
1/19/2012 9:51	-2509740	18.746	0.206	
1/19/2012 10:51	-2506140	18.748	0.201	
1/19/2012 11:51	-2502540	18.747	0.197	
1/19/2012 12:51	-2498940	18.749	0.184	
1/19/2012 13:51	-2495340	18.748	0.191	
1/19/2012 14:51	-2491740	18.748	0.188	
1/19/2012 15:51	-2488140	18.749	0.174	
1/19/2012 16:51	-2484540	18.749	0.173	
1/19/2012 17:51	-2480940	18.75	0.185	
1/19/2012 18:51	-2477340	18.745	0.184	
1/19/2012 19:51	-2473740	18.748	0.174	
1/19/2012 20:51	-2470140	18.744	0.183	
1/19/2012 21:51	-2466540	18.75	0.184	
1/19/2012 22:51	-2462940	18.749	0.184	
1/19/2012 23:51	-2459340	18.745	0.171	
1/20/2012 0:51	-2455740	18.751	0.17	

Table D-11

Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
1/20/2012 1:51	-2452140	18.747	0.167	
1/20/2012 2:51	-2448540	18.746	0.177	
1/20/2012 3:51	-2444940	18.746	0.177	
1/20/2012 4:51	-2441340	18.748	0.176	
1/20/2012 5:51	-2437740	18.748	0.177	
1/20/2012 6:51	-2434140	18.747	0.181	
1/20/2012 7:51	-2430540	18.748	0.181	
1/20/2012 8:51	-2426940	18.747	0.183	
1/20/2012 9:51	-2423340	18.745	0.17	
1/20/2012 10:51	-2419740	18.748	0.182	
1/20/2012 11:51	-2416140	18.745	0.18	
1/20/2012 12:51	-2412540	18.75	0.168	
1/20/2012 13:51	-2408940	18.747	0.177	
1/20/2012 14:51	-2405340	18.748	0.164	
1/20/2012 15:51	-2401740	18.747	0.163	
1/20/2012 16:51	-2398140	18.748	0.162	
1/20/2012 17:51	-2394540	18.745	0.172	
1/20/2012 18:51	-2390940	18.75	0.173	
1/20/2012 19:51	-2387340	18.748	0.162	
1/20/2012 20:51	-2383740	18.749	0.17	
1/20/2012 21:51	-2380140	18.748	0.169	
1/20/2012 22:51	-2376540	18.749	0.157	
1/20/2012 23:51	-2372940	18.745	0.154	
1/21/2012 0:51	-2369340	18.746	0.161	
1/21/2012 1:51	-2365740	18.749	0.157	
1/21/2012 2:51	-2362140	18.75	0.14	
1/21/2012 3:51	-2358540	18.748	0.136	
1/21/2012 4:51	-2354940	18.748	0.146	
1/21/2012 5:51	-2351340	18.749	0.14	
1/21/2012 6:51	-2347740	18.748	0.129	
1/21/2012 7:51	-2344140	18.749	0.139	
1/21/2012 8:51	-2340540	18.747	0.132	
1/21/2012 9:51	-2336940	18.747	0.129	
1/21/2012 10:51	-2333340	18.747	0.117	
1/21/2012 11:51	-2329740	18.75	0.128	
1/21/2012 12:51	-2326140	18.748	0.125	
1/21/2012 13:51	-2322540	18.746	0.113	
1/21/2012 14:51	-2318940	18.747	0.128	
1/21/2012 15:51	-2315340	18.748	0.13	
1/21/2012 16:51	-2311740	18.746	0.132	
1/21/2012 17:51	-2308140	18.746	0.127	

Table D-11

Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
1/21/2012 18:51	-2304540	18.749	0.13	
1/21/2012 19:51	-2300940	18.749	0.145	
1/21/2012 20:51	-2297340	18.747	0.139	
1/21/2012 21:51	-2293740	18.748	0.155	
1/21/2012 22:51	-2290140	18.746	0.146	
1/21/2012 23:51	-2286540	18.75	0.159	
1/22/2012 0:51	-2282940	18.749	0.16	
1/22/2012 1:51	-2279340	18.748	0.161	
1/22/2012 2:51	-2275740	18.748	0.161	
1/22/2012 3:51	-2272140	18.747	0.16	
1/22/2012 4:51	-2268540	18.747	0.161	
1/22/2012 5:51	-2264940	18.75	0.151	
1/22/2012 6:51	-2261340	18.749	0.151	
1/22/2012 7:51	-2257740	18.746	0.152	
1/22/2012 8:51	-2254140	18.748	0.166	
1/22/2012 9:51	-2250540	18.75	0.167	
1/22/2012 10:51	-2246940	18.748	0.165	
1/22/2012 11:51	-2243340	18.75	0.152	
1/22/2012 12:51	-2239740	18.749	0.151	
1/22/2012 13:51	-2236140	18.75	0.159	
1/22/2012 14:51	-2232540	18.747	0.158	
1/22/2012 15:51	-2228940	18.748	0.146	
1/22/2012 16:51	-2225340	18.75	0.156	
1/22/2012 17:51	-2221740	18.749	0.155	
1/22/2012 18:51	-2218140	18.748	0.146	
1/22/2012 19:51	-2214540	18.749	0.145	
1/22/2012 20:51	-2210940	18.752	0.146	
1/22/2012 21:51	-2207340	18.747	0.146	
1/22/2012 22:51	-2203740	18.749	0.156	
1/22/2012 23:51	-2200140	18.748	0.155	
1/23/2012 0:51	-2196540	18.746	0.142	
1/23/2012 1:51	-2192940	18.747	0.139	
1/23/2012 2:51	-2189340	18.748	0.145	
1/23/2012 3:51	-2185740	18.749	0.142	
1/23/2012 4:51	-2182140	18.75	0.139	
1/23/2012 5:51	-2178540	18.749	0.125	
1/23/2012 6:51	-2174940	18.746	0.123	
1/23/2012 7:51	-2171340	18.749	0.122	
1/23/2012 8:51	-2167740	18.747	0.119	
1/23/2012 9:51	-2164140	18.746	0.128	
1/23/2012 10:51	-2160540	18.747	0.115	

Table D-11

Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
1/23/2012 11:51	-2156940	18.746	0.111	
1/23/2012 12:51	-2153340	18.751	0.107	
1/23/2012 13:51	-2149740	18.748	0.106	
1/23/2012 14:51	-2146140	18.746	0.116	
1/23/2012 15:51	-2142540	18.751	0.104	
1/23/2012 16:51	-2138940	18.749	0.116	
1/23/2012 17:51	-2135340	18.747	0.117	
1/23/2012 18:51	-2131740	18.748	0.107	
1/23/2012 19:51	-2128140	18.747	0.121	
1/23/2012 20:51	-2124540	18.748	0.113	
1/23/2012 21:51	-2120940	18.747	0.127	
1/23/2012 22:51	-2117340	18.747	0.13	
1/23/2012 23:51	-2113740	18.748	0.121	
1/24/2012 0:51	-2110140	18.748	0.133	
1/24/2012 1:51	-2106540	18.746	0.125	
1/24/2012 2:51	-2102940	18.748	0.136	
1/24/2012 3:51	-2099340	18.749	0.138	
1/24/2012 4:51	-2095740	18.749	0.127	
1/24/2012 5:51	-2092140	18.751	0.141	
1/24/2012 6:51	-2088540	18.748	0.131	
1/24/2012 7:51	-2084940	18.747	0.133	
1/24/2012 8:51	-2081340	18.746	0.136	
1/24/2012 9:51	-2077740	18.749	0.15	
1/24/2012 10:51	-2074140	18.747	0.15	
1/24/2012 11:51	-2070540	18.748	0.14	
1/24/2012 12:51	-2066940	18.746	0.151	
1/24/2012 13:51	-2063340	18.75	0.151	
1/24/2012 14:51	-2059740	18.748	0.151	
1/24/2012 15:51	-2056140	18.749	0.15	
1/24/2012 16:51	-2052540	18.747	0.151	
1/24/2012 17:51	-2048940	18.748	0.14	
1/24/2012 18:51	-2045340	18.75	0.143	
1/24/2012 19:51	-2041740	18.747	0.158	
1/24/2012 20:51	-2038140	18.748	0.159	
1/24/2012 21:51	-2034540	18.747	0.161	
1/24/2012 22:51	-2030940	18.748	0.149	
1/24/2012 23:51	-2027340	18.746	0.152	
1/25/2012 0:51	-2023740	18.749	0.152	
1/25/2012 1:51	-2020140	18.749	0.167	
1/25/2012 2:51	-2016540	18.748	0.165	
1/25/2012 3:51	-2012940	18.747	0.153	

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Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
1/25/2012 4:51	-2009340	18.747	0.153	
1/25/2012 5:51	-2005740	18.749	0.163	
1/25/2012 6:51	-2002140	18.749	0.152	
1/25/2012 7:51	-1998540	18.748	0.152	
1/25/2012 8:51	-1994940	18.749	0.154	
1/25/2012 9:51	-1991340	18.748	0.162	
1/25/2012 10:51	-1987740	18.749	0.152	
1/25/2012 11:51	-1984140	18.747	0.152	
1/25/2012 12:51	-1980540	18.749	0.157	
1/25/2012 13:51	-1976940	18.746	0.154	
1/25/2012 14:51	-1973340	18.746	0.151	
1/25/2012 15:51	-1969740	18.749	0.15	
1/25/2012 16:51	-1966140	18.747	0.148	
1/25/2012 17:51	-1962540	18.75	0.147	
1/25/2012 18:51	-1958940	18.749	0.146	
1/25/2012 19:51	-1955340	18.749	0.136	
1/25/2012 20:51	-1951740	18.748	0.147	
1/25/2012 21:51	-1948140	18.748	0.148	
1/25/2012 22:51	-1944540	18.748	0.136	
1/25/2012 23:51	-1940940	18.746	0.147	
1/26/2012 0:51	-1937340	18.749	0.148	
1/26/2012 1:51	-1933740	18.748	0.144	
1/26/2012 2:51	-1930140	18.744	0.144	
1/26/2012 3:51	-1926540	18.749	0.131	
1/26/2012 4:51	-1922940	18.749	0.129	
1/26/2012 5:51	-1919340	18.749	0.127	
1/26/2012 6:51	-1915740	18.748	0.137	
1/26/2012 7:51	-1912140	18.748	0.125	
1/26/2012 8:51	-1908540	18.749	0.137	
1/26/2012 9:51	-1904940	18.749	0.134	
1/26/2012 10:51	-1901340	18.75	0.119	
1/26/2012 11:51	-1897740	18.746	0.115	
1/26/2012 12:51	-1894140	18.746	0.114	
1/26/2012 13:51	-1890540	18.748	0.122	
1/26/2012 14:51	-1886940	18.747	0.106	
1/26/2012 15:51	-1883340	18.746	0.104	
1/26/2012 16:51	-1879740	18.748	0.101	
1/26/2012 17:51	-1876140	18.748	0.099	
1/26/2012 18:51	-1872540	18.747	0.109	
1/26/2012 19:51	-1868940	18.749	0.095	
1/26/2012 20:51	-1865340	18.749	0.108	

Table D-11

Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
1/26/2012 21:51	-1861740	18.748	0.097	
1/26/2012 22:51	-1858140	18.747	0.096	
1/26/2012 23:51	-1854540	18.749	0.11	
1/27/2012 0:51	-1850940	18.747	0.098	
1/27/2012 1:51	-1847340	18.746	0.098	
1/27/2012 2:51	-1843740	18.747	0.1	
1/27/2012 3:51	-1840140	18.749	0.098	
1/27/2012 4:51	-1836540	18.749	0.113	
1/27/2012 5:51	-1832940	18.748	0.112	
1/27/2012 6:51	-1829340	18.749	0.113	
1/27/2012 7:51	-1825740	18.75	0.116	
1/27/2012 8:51	-1822140	18.748	0.106	
1/27/2012 9:51	-1818540	18.748	0.108	
1/27/2012 10:51	-1814940	18.748	0.119	
1/27/2012 11:51	-1811340	18.749	0.115	
1/27/2012 12:51	-1807740	18.748	0.108	
1/27/2012 13:51	-1804140	18.75	0.12	
1/27/2012 14:51	-1800540	18.751	0.106	
1/27/2012 15:51	-1796940	18.75	0.12	
1/27/2012 16:51	-1793340	18.751	0.12	
1/27/2012 17:51	-1789740	18.749	0.107	
1/27/2012 18:51	-1786140	18.75	0.11	
1/27/2012 19:51	-1782540	18.748	0.11	
1/27/2012 20:51	-1778940	18.75	0.105	
1/27/2012 21:51	-1775340	18.749	0.107	
1/27/2012 22:51	-1771740	18.755	0.117	
1/27/2012 23:51	-1768140	18.756	0.106	
1/28/2012 0:51	-1764540	18.756	0.118	
1/28/2012 1:51	-1760940	18.757	0.12	
1/28/2012 2:51	-1757340	18.756	0.121	
1/28/2012 3:51	-1753740	18.758	0.12	
1/28/2012 4:51	-1750140	18.757	0.12	
1/28/2012 5:51	-1746540	18.756	0.113	
1/28/2012 6:51	-1742940	18.757	0.125	
1/28/2012 7:51	-1739340	18.76	0.127	
1/28/2012 8:51	-1735740	18.756	0.128	
1/28/2012 9:51	-1732140	18.757	0.128	
1/28/2012 10:51	-1728540	18.759	0.116	
1/28/2012 11:51	-1724940	18.76	0.116	
1/28/2012 12:51	-1721340	18.757	0.115	
1/28/2012 13:51	-1717740	18.754	0.121	

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Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
1/28/2012 14:51	-1714140	18.757	0.123	
1/28/2012 15:51	-1710540	18.756	0.111	
1/28/2012 16:51	-1706940	18.756	0.122	
1/28/2012 17:51	-1703340	18.754	0.11	
1/28/2012 18:51	-1699740	18.755	0.108	
1/28/2012 19:51	-1696140	18.752	0.109	
1/28/2012 20:51	-1692540	18.753	0.12	
1/28/2012 21:51	-1688940	18.753	0.117	
1/28/2012 22:51	-1685340	18.757	0.108	
1/28/2012 23:51	-1681740	18.754	0.118	
1/29/2012 0:51	-1678140	18.757	0.107	
1/29/2012 1:51	-1674540	18.757	0.114	
1/29/2012 2:51	-1670940	18.756	0.112	
1/29/2012 3:51	-1667340	18.755	0.098	
1/29/2012 4:51	-1663740	18.752	0.109	
1/29/2012 5:51	-1660140	18.754	0.108	
1/29/2012 6:51	-1656540	18.753	0.096	
1/29/2012 7:51	-1652940	18.756	0.106	
1/29/2012 8:51	-1649340	18.755	0.094	
1/29/2012 9:51	-1645740	18.756	0.105	
1/29/2012 10:51	-1642140	18.755	0.102	
1/29/2012 11:51	-1638540	18.755	0.099	
1/29/2012 12:51	-1634940	18.755	0.096	
1/29/2012 13:51	-1631340	18.754	0.08	
1/29/2012 14:51	-1627740	18.755	0.079	
1/29/2012 15:51	-1624140	18.754	0.076	
1/29/2012 16:51	-1620540	18.756	0.082	
1/29/2012 17:51	-1616940	18.754	0.071	
1/29/2012 18:51	-1613340	18.758	0.081	
1/29/2012 19:51	-1609740	18.755	0.079	
1/29/2012 20:51	-1606140	18.756	0.078	
1/29/2012 21:51	-1602540	18.756	0.063	
1/29/2012 22:51	-1598940	18.757	0.073	
1/29/2012 23:51	-1595340	18.756	0.059	
1/30/2012 0:51	-1591740	18.754	0.068	
1/30/2012 1:51	-1588140	18.756	0.067	
1/30/2012 2:51	-1584540	18.756	0.064	
1/30/2012 3:51	-1580940	18.755	0.062	
1/30/2012 4:51	-1577340	18.756	0.059	
1/30/2012 5:51	-1573740	18.753	0.047	
1/30/2012 6:51	-1570140	18.756	0.056	

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Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
1/30/2012 7:51	-1566540	18.757	0.044	
1/30/2012 8:51	-1562940	18.754	0.055	
1/30/2012 9:51	-1559340	18.754	0.051	
1/30/2012 10:51	-1555740	18.756	0.053	
1/30/2012 11:51	-1552140	18.756	0.047	
1/30/2012 12:51	-1548540	18.755	0.047	
1/30/2012 13:51	-1544940	18.757	0.035	
1/30/2012 14:51	-1541340	18.757	0.035	
1/30/2012 15:51	-1537740	18.755	0.043	
1/30/2012 16:51	-1534140	18.752	0.044	
1/30/2012 17:51	-1530540	18.754	0.033	
1/30/2012 18:51	-1526940	18.755	0.031	
1/30/2012 19:51	-1523340	18.76	0.031	
1/30/2012 20:51	-1519740	18.756	0.031	
1/30/2012 21:51	-1516140	18.756	0.042	
1/30/2012 22:51	-1512540	18.758	0.029	
1/30/2012 23:51	-1508940	18.759	0.027	
1/31/2012 0:51	-1505340	18.758	0.038	
1/31/2012 1:51	-1501740	18.755	0.037	
1/31/2012 2:51	-1498140	18.755	0.038	
1/31/2012 3:51	-1494540	18.756	0.026	
1/31/2012 4:51	-1490940	18.758	0.037	
1/31/2012 5:51	-1487340	18.76	0.038	
1/31/2012 6:51	-1483740	18.758	0.028	
1/31/2012 7:51	-1480140	18.759	0.028	
1/31/2012 8:51	-1476540	18.759	0.043	
1/31/2012 9:51	-1472940	18.759	0.031	
1/31/2012 10:51	-1469340	18.756	0.031	
1/31/2012 11:51	-1465740	18.755	0.043	
1/31/2012 12:51	-1462140	18.757	0.034	
1/31/2012 13:51	-1458540	18.758	0.032	
1/31/2012 14:51	-1454940	18.755	0.041	
1/31/2012 15:51	-1451340	18.757	0.041	
1/31/2012 16:51	-1447740	18.756	0.031	
1/31/2012 17:51	-1444140	18.757	0.031	
1/31/2012 18:51	-1440540	18.756	0.034	
1/31/2012 19:51	-1436940	18.757	0.036	
1/31/2012 20:51	-1433340	18.758	0.035	
1/31/2012 21:51	-1429740	18.757	0.048	
1/31/2012 22:51	-1426140	18.756	0.036	
1/31/2012 23:51	-1422540	18.757	0.035	

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Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/1/2012 0:51	-1418940	18.754	0.034	
2/1/2012 1:51	-1415340	18.757	0.033	
2/1/2012 2:51	-1411740	18.758	0.033	
2/1/2012 3:51	-1408140	18.759	0.042	
2/1/2012 4:51	-1404540	18.758	0.029	
2/1/2012 5:51	-1400940	18.758	0.039	
2/1/2012 6:51	-1397340	18.753	0.038	
2/1/2012 7:51	-1393740	18.757	0.037	
2/1/2012 8:51	-1390140	18.759	0.034	
2/1/2012 9:51	-1386540	18.757	0.021	
2/1/2012 10:51	-1382940	18.757	0.02	
2/1/2012 11:51	-1379340	18.755	0.028	
2/1/2012 12:51	-1375740	18.757	0.023	
2/1/2012 13:51	-1372140	18.755	0.021	
2/1/2012 14:51	-1368540	18.755	0.017	
2/1/2012 15:51	-1364940	18.755	0.004	
2/1/2012 16:51	-1361340	18.756	0.018	
2/1/2012 17:51	-1357740	18.755	0.004	
2/1/2012 18:51	-1354140	18.755	0.02	
2/1/2012 19:51	-1350540	18.758	0.006	
2/1/2012 20:51	-1346940	18.754	0.009	
2/1/2012 21:51	-1343340	18.757	0.009	
2/1/2012 22:51	-1339740	18.755	0.009	
2/1/2012 23:51	-1336140	18.756	0.008	
2/2/2012 0:51	-1332540	18.756	0.009	
2/2/2012 1:51	-1328940	18.755	0.019	
2/2/2012 2:51	-1325340	18.754	0.017	
2/2/2012 3:51	-1321740	18.755	0.015	
2/2/2012 4:51	-1318140	18.756	0.004	
2/2/2012 5:51	-1314540	18.757	0.016	
2/2/2012 6:51	-1310940	18.757	0.006	
2/2/2012 7:51	-1307340	18.759	0.007	
2/2/2012 8:51	-1303740	18.759	0.004	
2/2/2012 9:51	-1300140	18.757	0.004	
2/2/2012 10:51	-1296540	18.757	0.013	
2/2/2012 11:51	-1292940	18.757	0	
2/2/2012 12:51	-1289340	18.758	0.011	
2/2/2012 13:51	-1285740	18.756	-0.003	
2/2/2012 14:51	-1282140	18.757	0.01	
2/2/2012 15:51	-1278540	18.757	0.008	
2/2/2012 16:51	-1274940	18.756	-0.002	

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Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/2/2012 17:51	-1271340	18.755	-0.001	
2/2/2012 18:51	-1267740	18.754	0.011	
2/2/2012 19:51	-1264140	18.754	0.001	
2/2/2012 20:51	-1260540	18.756	0.001	
2/2/2012 21:51	-1256940	18.758	0.002	
2/2/2012 22:51	-1253340	18.757	0.002	
2/2/2012 23:51	-1249740	18.756	0.001	
2/3/2012 0:51	-1246140	18.756	0	
2/3/2012 1:51	-1242540	18.757	-0.002	
2/3/2012 2:51	-1238940	18.754	-0.003	
2/3/2012 3:51	-1235340	18.756	-0.003	
2/3/2012 4:51	-1231740	18.758	-0.002	
2/3/2012 5:51	-1228140	18.757	-0.001	
2/3/2012 6:51	-1224540	18.759	0	
2/3/2012 7:51	-1220940	18.756	0.011	
2/3/2012 8:51	-1217340	18.757	0.001	
2/3/2012 9:51	-1213740	18.759	0.001	
2/3/2012 10:51	-1210140	18.755	0	
2/3/2012 11:51	-1206540	18.757	0.01	
2/3/2012 12:51	-1202940	18.757	0.006	
2/3/2012 13:51	-1199340	18.757	-0.003	
2/3/2012 14:51	-1195740	18.757	-0.004	
2/3/2012 15:51	-1192140	18.756	-0.006	
2/3/2012 16:51	-1188540	18.757	0.007	
2/3/2012 17:51	-1184940	18.76	0.007	
2/3/2012 18:51	-1181340	18.756	-0.003	
2/3/2012 19:51	-1177740	18.755	0.011	
2/3/2012 20:51	-1174140	18.757	0.012	
2/3/2012 21:51	-1170540	18.755	0.011	
2/3/2012 22:51	-1166940	18.755	0.012	
2/3/2012 23:51	-1163340	18.757	0.001	
2/4/2012 0:51	-1159740	18.756	0.011	
2/4/2012 1:51	-1156140	18.757	0.009	
2/4/2012 2:51	-1152540	18.758	-0.004	
2/4/2012 3:51	-1148940	18.757	0.007	
2/4/2012 4:51	-1145340	18.758	-0.005	
2/4/2012 5:51	-1141740	18.758	-0.004	
2/4/2012 6:51	-1138140	18.759	0.008	
2/4/2012 7:51	-1134540	18.757	-0.001	
2/4/2012 8:51	-1130940	18.759	-0.002	
2/4/2012 9:51	-1127340	18.759	0.007	

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Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/4/2012 10:51	-1123740	18.76	0.006	
2/4/2012 11:51	-1120140	18.757	-0.008	
2/4/2012 12:51	-1116540	18.757	-0.009	
2/4/2012 13:51	-1112940	18.757	-0.012	
2/4/2012 14:51	-1109340	18.758	-0.012	
2/4/2012 15:51	-1105740	18.755	-0.002	
2/4/2012 16:51	-1102140	18.757	-0.013	
2/4/2012 17:51	-1098540	18.761	-0.003	
2/4/2012 18:51	-1094940	18.758	-0.012	
2/4/2012 19:51	-1091340	18.759	-0.01	
2/4/2012 20:51	-1087740	18.758	0.002	
2/4/2012 21:51	-1084140	18.757	0.002	
2/4/2012 22:51	-1080540	18.759	0.001	
2/4/2012 23:51	-1076940	18.757	0	
2/5/2012 0:51	-1073340	18.757	-0.013	
2/5/2012 1:51	-1069740	18.757	-0.003	
2/5/2012 2:51	-1066140	18.759	-0.004	
2/5/2012 3:51	-1062540	18.758	-0.006	
2/5/2012 4:51	-1058940	18.757	-0.007	
2/5/2012 5:51	-1055340	18.76	-0.007	
2/5/2012 6:51	-1051740	18.759	-0.017	
2/5/2012 7:51	-1048140	18.76	-0.016	
2/5/2012 8:51	-1044540	18.76	-0.015	
2/5/2012 9:51	-1040940	18.76	-0.005	
2/5/2012 10:51	-1037340	18.76	-0.007	
2/5/2012 11:51	-1033740	18.759	-0.009	
2/5/2012 12:51	-1030140	18.758	-0.023	
2/5/2012 13:51	-1026540	18.758	-0.015	
2/5/2012 14:51	-1022940	18.759	-0.028	
2/5/2012 15:51	-1019340	18.757	-0.017	
2/5/2012 16:51	-1015740	18.759	-0.029	
2/5/2012 17:51	-1012140	18.756	-0.03	
2/5/2012 18:51	-1008540	18.757	-0.019	
2/5/2012 19:51	-1004940	18.762	-0.018	
2/5/2012 20:51	-1001340	18.758	-0.029	
2/5/2012 21:51	-997740	18.758	-0.016	
2/5/2012 22:51	-994140	18.759	-0.015	
2/5/2012 23:51	-990540	18.758	-0.018	
2/6/2012 0:51	-986940	18.758	-0.018	
2/6/2012 1:51	-983340	18.757	-0.031	
2/6/2012 2:51	-979740	18.76	-0.02	

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Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/6/2012 3:51	-976140	18.76	-0.023	
2/6/2012 4:51	-972540	18.759	-0.025	
2/6/2012 5:51	-968940	18.759	-0.035	
2/6/2012 6:51	-965340	18.761	-0.035	
2/6/2012 7:51	-961740	18.76	-0.022	
2/6/2012 8:51	-958140	18.759	-0.034	
2/6/2012 9:51	-954540	18.762	-0.033	
2/6/2012 10:51	-950940	18.759	-0.022	
2/6/2012 11:51	-947340	18.758	-0.025	
2/6/2012 12:51	-943740	18.758	-0.039	
2/6/2012 13:51	-940140	18.757	-0.031	
2/6/2012 14:51	-936540	18.757	-0.032	
2/6/2012 15:51	-932940	18.76	-0.046	
2/6/2012 16:51	-929340	18.759	-0.047	
2/6/2012 17:51	-925740	18.757	-0.036	
2/6/2012 18:51	-922140	18.759	-0.047	
2/6/2012 19:51	-918540	18.756	-0.033	
2/6/2012 20:51	-914940	18.758	-0.032	
2/6/2012 21:51	-911340	18.759	-0.042	
2/6/2012 22:51	-907740	18.76	-0.031	
2/6/2012 23:51	-904140	18.759	-0.032	
2/7/2012 0:51	-900540	18.758	-0.035	
2/7/2012 1:51	-896940	18.761	-0.036	
2/7/2012 2:51	-893340	18.761	-0.05	
2/7/2012 3:51	-889740	18.758	-0.041	
2/7/2012 4:51	-886140	18.758	-0.054	
2/7/2012 5:51	-882540	18.76	-0.045	
2/7/2012 6:51	-878940	18.76	-0.058	
2/7/2012 7:51	-875340	18.761	-0.057	
2/7/2012 8:51	-871740	18.76	-0.055	
2/7/2012 9:51	-868140	18.759	-0.044	
2/7/2012 10:51	-864540	18.758	-0.046	
2/7/2012 11:51	-860940	18.761	-0.059	
2/7/2012 12:51	-857340	18.759	-0.049	
2/7/2012 13:51	-853740	18.761	-0.062	
2/7/2012 14:51	-850140	18.76	-0.064	
2/7/2012 15:51	-846540	18.758	-0.065	
2/7/2012 16:51	-842940	18.76	-0.054	
2/7/2012 17:51	-839340	18.761	-0.064	
2/7/2012 18:51	-835740	18.76	-0.051	
2/7/2012 19:51	-832140	18.759	-0.049	

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Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/7/2012 20:51	-828540	18.76	-0.058	
2/7/2012 21:51	-824940	18.76	-0.045	
2/7/2012 22:51	-821340	18.761	-0.045	
2/7/2012 23:51	-817740	18.76	-0.043	
2/8/2012 0:51	-814140	18.761	-0.044	
2/8/2012 1:51	-810540	18.76	-0.042	
2/8/2012 2:51	-806940	18.759	-0.044	
2/8/2012 3:51	-803340	18.759	-0.056	
2/8/2012 4:51	-799740	18.76	-0.058	
2/8/2012 5:51	-796140	18.762	-0.045	
2/8/2012 6:51	-792540	18.763	-0.044	
2/8/2012 7:51	-788940	18.762	-0.053	
2/8/2012 8:51	-785340	18.761	-0.05	
2/8/2012 9:51	-781740	18.76	-0.051	
2/8/2012 10:51	-778140	18.763	-0.038	
2/8/2012 11:51	-774540	18.763	-0.041	
2/8/2012 12:51	-770940	18.76	-0.04	
2/8/2012 13:51	-767340	18.762	-0.045	
2/8/2012 14:51	-763740	18.76	-0.042	
2/8/2012 15:51	-760140	18.761	-0.055	
2/8/2012 16:51	-756540	18.759	-0.045	
2/8/2012 17:51	-752940	18.763	-0.044	
2/8/2012 18:51	-749340	18.759	-0.042	
2/8/2012 19:51	-745740	18.76	-0.051	
2/8/2012 20:51	-742140	18.758	-0.049	
2/8/2012 21:51	-738540	18.756	-0.035	
2/8/2012 22:51	-734940	18.758	-0.034	
2/8/2012 23:51	-731340	18.758	-0.033	
2/9/2012 0:51	-727740	18.757	-0.032	
2/9/2012 1:51	-724140	18.76	-0.033	
2/9/2012 2:51	-720540	18.761	-0.046	
2/9/2012 3:51	-716940	18.758	-0.048	
2/9/2012 4:51	-713340	18.757	-0.048	
2/9/2012 5:51	-709740	18.76	-0.049	
2/9/2012 6:51	-706140	18.761	-0.037	
2/9/2012 7:51	-702540	18.757	-0.037	
2/9/2012 8:51	-698940	18.759	-0.035	
2/9/2012 9:51	-695340	18.759	-0.048	
2/9/2012 10:51	-691740	18.758	-0.037	
2/9/2012 11:51	-688140	18.759	-0.04	
2/9/2012 12:51	-684540	18.758	-0.052	

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Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/9/2012 13:51	-680940	18.757	-0.055	
2/9/2012 14:51	-677340	18.76	-0.057	
2/9/2012 15:51	-673740	18.762	-0.05	
2/9/2012 16:51	-670140	18.758	-0.05	
2/9/2012 17:51	-666540	18.76	-0.052	
2/9/2012 18:51	-662940	18.759	-0.063	
2/9/2012 19:51	-659340	18.757	-0.062	
2/9/2012 20:51	-655740	18.76	-0.064	
2/9/2012 21:51	-652140	18.76	-0.049	
2/9/2012 22:51	-648540	18.761	-0.051	
2/9/2012 23:51	-644940	18.757	-0.052	
2/10/2012 0:51	-641340	18.757	-0.052	
2/10/2012 1:51	-637740	18.759	-0.064	
2/10/2012 2:51	-634140	18.76	-0.066	
2/10/2012 3:51	-630540	18.759	-0.068	
2/10/2012 4:51	-626940	18.761	-0.069	
2/10/2012 5:51	-623340	18.76	-0.071	
2/10/2012 6:51	-619740	18.763	-0.07	
2/10/2012 7:51	-616140	18.763	-0.062	
2/10/2012 8:51	-612540	18.758	-0.073	
2/10/2012 9:51	-608940	18.759	-0.06	
2/10/2012 10:51	-605340	18.763	-0.073	
2/10/2012 11:51	-601740	18.761	-0.065	
2/10/2012 12:51	-598140	18.759	-0.068	
2/10/2012 13:51	-594540	18.761	-0.082	
2/10/2012 14:51	-590940	18.76	-0.074	
2/10/2012 15:51	-587340	18.759	-0.076	
2/10/2012 16:51	-583740	18.761	-0.09	
2/10/2012 17:51	-580140	18.76	-0.094	
2/10/2012 18:51	-576540	18.76	-0.096	
2/10/2012 19:51	-572940	18.762	-0.086	
2/10/2012 20:51	-569340	18.761	-0.099	
2/10/2012 21:51	-565740	18.759	-0.09	
2/10/2012 22:51	-562140	18.763	-0.101	
2/10/2012 23:51	-558540	18.763	-0.09	
2/11/2012 0:51	-554940	18.76	-0.093	
2/11/2012 1:51	-551340	18.761	-0.108	
2/11/2012 2:51	-547740	18.762	-0.098	
2/11/2012 3:51	-544140	18.761	-0.102	
2/11/2012 4:51	-540540	18.761	-0.103	
2/11/2012 5:51	-536940	18.76	-0.105	

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Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/11/2012 6:51	-533340	18.762	-0.117	
2/11/2012 7:51	-529740	18.762	-0.118	
2/11/2012 8:51	-526140	18.761	-0.118	
2/11/2012 9:51	-522540	18.763	-0.121	
2/11/2012 10:51	-518940	18.762	-0.111	
2/11/2012 11:51	-515340	18.762	-0.114	
2/11/2012 12:51	-511740	18.76	-0.114	
2/11/2012 13:51	-508140	18.762	-0.12	
2/11/2012 14:51	-504540	18.763	-0.131	
2/11/2012 15:51	-500940	18.762	-0.122	
2/11/2012 16:51	-497340	18.763	-0.135	
2/11/2012 17:51	-493740	18.76	-0.127	
2/11/2012 18:51	-490140	18.764	-0.136	
2/11/2012 19:51	-486540	18.76	-0.127	
2/11/2012 20:51	-482940	18.763	-0.145	
2/11/2012 21:51	-479340	18.763	-0.143	
2/11/2012 22:51	-475740	18.76	-0.143	
2/11/2012 23:51	-472140	18.76	-0.13	
2/12/2012 0:51	-468540	18.763	-0.13	
2/12/2012 1:51	-464940	18.76	-0.132	
2/12/2012 2:51	-461340	18.763	-0.143	
2/12/2012 3:51	-457740	18.76	-0.143	
2/12/2012 4:51	-454140	18.762	-0.143	
2/12/2012 5:51	-450540	18.762	-0.146	
2/12/2012 6:51	-446940	18.761	-0.142	
2/12/2012 7:51	-443340	18.765	-0.131	
2/12/2012 8:51	-439740	18.763	-0.142	
2/12/2012 9:51	-436140	18.762	-0.144	
2/12/2012 10:51	-432540	18.763	-0.13	
2/12/2012 11:51	-428940	18.763	-0.141	
2/12/2012 12:51	-425340	18.761	-0.131	
2/12/2012 13:51	-421740	18.761	-0.143	
2/12/2012 14:51	-418140	18.763	-0.144	
2/12/2012 15:51	-414540	18.764	-0.133	
2/12/2012 16:51	-410940	18.765	-0.144	
2/12/2012 17:51	-407340	18.763	-0.133	
2/12/2012 18:51	-403740	18.763	-0.146	
2/12/2012 19:51	-400140	18.763	-0.145	
2/12/2012 20:51	-396540	18.764	-0.135	
2/12/2012 21:51	-392940	18.762	-0.136	
2/12/2012 22:51	-389340	18.764	-0.149	

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Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/12/2012 23:51	-385740	18.763	-0.149	
2/13/2012 0:51	-382140	18.765	-0.138	
2/13/2012 1:51	-378540	18.763	-0.15	
2/13/2012 2:51	-374940	18.766	-0.14	
2/13/2012 3:51	-371340	18.766	-0.153	
2/13/2012 4:51	-367740	18.764	-0.155	
2/13/2012 5:51	-364140	18.766	-0.144	
2/13/2012 6:51	-360540	18.764	-0.146	
2/13/2012 7:51	-356940	18.76	-0.159	
2/13/2012 8:51	-353340	18.764	-0.148	
2/13/2012 9:51	-349740	18.763	-0.15	
2/13/2012 10:51	-346140	18.768	-0.165	
2/13/2012 11:51	-342540	18.766	-0.167	
2/13/2012 12:51	-338940	18.764	-0.168	
2/13/2012 13:51	-335340	18.763	-0.159	
2/13/2012 14:51	-331740	18.765	-0.17	
2/13/2012 15:51	-328140	18.766	-0.169	
2/13/2012 16:51	-324540	18.765	-0.158	
2/13/2012 17:51	-320940	18.764	-0.158	
2/13/2012 18:51	-317340	18.763	-0.171	
2/13/2012 19:51	-313740	18.765	-0.17	
2/13/2012 20:51	-310140	18.767	-0.16	
2/13/2012 21:51	-306540	18.765	-0.172	
2/13/2012 22:51	-302940	18.764	-0.172	
2/13/2012 23:51	-299340	18.763	-0.161	
2/14/2012 0:51	-295740	18.766	-0.163	
2/14/2012 1:51	-292140	18.767	-0.173	
2/14/2012 2:51	-288540	18.767	-0.172	
2/14/2012 3:51	-284940	18.763	-0.16	
2/14/2012 4:51	-281340	18.765	-0.171	
2/14/2012 5:51	-277740	18.767	-0.158	
2/14/2012 6:51	-274140	18.766	-0.169	
2/14/2012 7:51	-270540	18.766	-0.156	
2/14/2012 8:51	-266940	18.767	-0.154	
2/14/2012 9:51	-263340	18.768	-0.152	
2/14/2012 10:51	-259740	18.766	-0.153	
2/14/2012 11:51	-256140	18.765	-0.164	
2/14/2012 12:51	-252540	18.766	-0.152	
2/14/2012 13:51	-248940	18.769	-0.163	
2/14/2012 14:51	-245340	18.768	-0.152	
2/14/2012 15:51	-241740	18.768	-0.161	

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Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/14/2012 16:51	-238140	18.77	-0.148	
2/14/2012 17:51	-234540	18.767	-0.148	
2/14/2012 18:51	-230940	18.765	-0.146	
2/14/2012 19:51	-227340	18.764	-0.158	
2/14/2012 20:51	-223740	18.769	-0.146	
2/14/2012 21:51	-220140	18.767	-0.159	
2/14/2012 22:51	-216540	18.77	-0.159	
2/14/2012 23:51	-212940	18.765	-0.162	
2/15/2012 0:51	-209340	18.769	-0.152	
2/15/2012 1:51	-205740	18.768	-0.166	
2/15/2012 2:51	-202140	18.766	-0.156	
2/15/2012 3:51	-198540	18.77	-0.16	
2/15/2012 4:51	-194940	18.77	-0.173	
2/15/2012 5:51	-191340	18.768	-0.165	
2/15/2012 6:51	-187740	18.769	-0.164	
2/15/2012 7:51	-184140	18.768	-0.165	
2/15/2012 8:51	-180540	18.766	-0.177	
2/15/2012 9:51	-176940	18.769	-0.175	
2/15/2012 10:51	-173340	18.77	-0.165	
2/15/2012 11:51	-169740	18.766	-0.174	
2/15/2012 12:51	-166140	18.765	-0.174	
2/15/2012 13:51	-162540	18.768	-0.163	
2/15/2012 14:51	-158940	18.768	-0.162	
2/15/2012 15:51	-155340	18.765	-0.172	
2/15/2012 16:51	-151740	18.766	-0.16	
2/15/2012 17:51	-148140	18.77	-0.16	
2/15/2012 18:51	-144540	18.77	-0.156	
2/15/2012 19:51	-140940	18.768	-0.154	
2/15/2012 20:51	-137340	18.77	-0.156	
2/15/2012 21:51	-133740	18.771	-0.152	
2/15/2012 22:51	-130140	18.769	-0.151	
2/15/2012 23:51	-126540	18.769	-0.164	
2/16/2012 0:51	-122940	18.766	-0.152	
2/16/2012 1:51	-119340	18.768	-0.163	
2/16/2012 2:51	-115740	18.77	-0.161	
2/16/2012 3:51	-112140	18.771	-0.149	
2/16/2012 4:51	-108540	18.768	-0.146	
2/16/2012 5:51	-104940	18.768	-0.145	
2/16/2012 6:51	-101340	18.769	-0.142	
2/16/2012 7:51	-97740	18.769	-0.142	
2/16/2012 8:51	-94140	18.771	-0.153	

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Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/16/2012 9:51	-90540	18.77	-0.143	
2/16/2012 10:51	-86940	18.769	-0.142	
2/16/2012 11:51	-83340	18.769	-0.146	
2/16/2012 12:51	-79740	18.77	-0.144	
2/16/2012 13:51	-76140	18.771	-0.159	
2/16/2012 14:51	-72540	18.768	-0.145	
2/16/2012 15:51	-68940	18.77	-0.143	
2/16/2012 16:51	-65340	18.768	-0.141	
2/16/2012 17:51	-61740	18.772	-0.152	
2/16/2012 18:51	-58140	18.772	-0.152	
2/16/2012 19:51	-54540	18.77	-0.137	
2/16/2012 20:51	-50940	18.769	-0.149	
2/16/2012 21:51	-47340	18.767	-0.136	
2/16/2012 22:51	-43740	18.766	-0.146	
2/16/2012 23:51	-40140	18.771	-0.148	
2/17/2012 0:51	-36540	18.769	-0.15	
2/17/2012 1:51	-32940	18.769	-0.142	
2/17/2012 2:51	-29340	18.769	-0.142	
2/17/2012 3:51	-25740	18.772	-0.152	
2/17/2012 4:51	-22140	18.771	-0.142	
2/17/2012 5:51	-18540	18.772	-0.141	
2/17/2012 6:51	-14940	18.769	-0.139	
2/17/2012 7:51	-11340	18.769	-0.139	
2/17/2012 8:51	-7740	18.769	-0.14	
2/17/2012 9:51	-4140	18.769	-0.152	
2/17/2012 10:51	-540	18.771	-0.153	APT started at 11:00
2/17/2012 11:51	3060	18.769	-0.144	
2/17/2012 12:51	6660	18.771	-0.145	
2/17/2012 13:51	10260	18.771	-0.149	
2/17/2012 14:51	13860	18.772	-0.15	
2/17/2012 15:51	17460	18.772	-0.163	
2/17/2012 16:51	21060	18.771	-0.151	
2/17/2012 17:51	24660	18.774	-0.152	
2/17/2012 18:51	28260	18.769	-0.151	
2/17/2012 19:51	31860	18.774	-0.163	
2/17/2012 20:51	35460	18.769	-0.15	
2/17/2012 21:51	39060	18.774	-0.162	
2/17/2012 22:51	42660	18.771	-0.151	
2/17/2012 23:51	46260	18.77	-0.153	
2/18/2012 0:51	49860	18.772	-0.166	
2/18/2012 1:51	53460	18.769	-0.169	

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Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/18/2012 2:51	57060	18.77	-0.171	
2/18/2012 3:51	60660	18.772	-0.173	
2/18/2012 4:51	64260	18.773	-0.174	
2/18/2012 5:51	67860	18.77	-0.175	
2/18/2012 6:51	71460	18.768	-0.164	
2/18/2012 7:51	75060	18.772	-0.176	
2/18/2012 8:51	78660	18.771	-0.168	
2/18/2012 9:51	82260	18.771	-0.168	
2/18/2012 10:51	85860	18.771	-0.184	
2/18/2012 11:51	89460	18.77	-0.177	
2/18/2012 12:51	93060	18.772	-0.183	
2/18/2012 13:51	96660	18.773	-0.183	
2/18/2012 14:51	100260	18.771	-0.188	
2/18/2012 15:51	103860	18.769	-0.201	
2/18/2012 16:51	107460	18.769	-0.191	
2/18/2012 17:51	111060	18.773	-0.205	
2/18/2012 18:51	114660	18.772	-0.205	
2/18/2012 19:51	118260	18.77	-0.194	
2/18/2012 20:51	121860	18.768	-0.194	
2/18/2012 21:51	125460	18.77	-0.195	
2/18/2012 22:51	129060	18.77	-0.208	
2/18/2012 23:51	132660	18.771	-0.207	
2/19/2012 0:51	136260	18.77	-0.211	
2/19/2012 1:51	139860	18.772	-0.215	
2/19/2012 2:51	143460	18.773	-0.205	
2/19/2012 3:51	147060	18.772	-0.218	
2/19/2012 4:51	150660	18.773	-0.209	
2/19/2012 5:51	154260	18.768	-0.207	
2/19/2012 6:51	157860	18.77	-0.216	
2/19/2012 7:51	161460	18.771	-0.213	
2/19/2012 8:51	165060	18.771	-0.204	
2/19/2012 9:51	168660	18.773	-0.202	
2/19/2012 10:51	172260	18.774	-0.213	
2/19/2012 11:51	175860	18.773	-0.215	
2/19/2012 12:51	179460	18.772	-0.215	
2/19/2012 13:51	183060	18.773	-0.203	
2/19/2012 14:51	186660	18.773	-0.205	
2/19/2012 15:51	190260	18.772	-0.217	
2/19/2012 16:51	193860	18.77	-0.218	
2/19/2012 17:51	197460	18.771	-0.214	
2/19/2012 18:51	201060	18.769	-0.212	

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Stump Springs Water Level Data
Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/19/2012 19:51	204660	18.774	-0.197	
2/19/2012 20:51	208260	18.772	-0.206	
2/19/2012 21:51	211860	18.773	-0.205	
2/19/2012 22:51	215460	18.772	-0.192	
2/19/2012 23:51	219060	18.771	-0.191	
2/20/2012 0:51	222660	18.773	-0.203	
2/20/2012 1:51	226260	18.775	-0.195	
2/20/2012 2:51	229860	18.773	-0.205	
2/20/2012 3:51	233460	18.774	-0.195	
2/20/2012 4:51	237060	18.773	-0.195	
2/20/2012 5:51	240660	18.773	-0.207	
2/20/2012 6:51	244260	18.771	-0.193	
2/20/2012 7:51	247860	18.77	-0.194	
2/20/2012 8:51	251460	18.768	-0.191	
2/20/2012 9:51	255060	18.771	-0.192	
2/20/2012 10:51	258660	18.775	-0.203	
2/20/2012 11:51	262260	18.773	-0.204	
2/20/2012 12:51	265860	18.771	-0.205	
2/20/2012 13:51	269460	18.77	-0.207	
2/20/2012 14:51	273060	18.772	-0.208	
2/20/2012 15:51	276660	18.77	-0.198	
2/20/2012 16:51	280260	18.769	-0.196	
2/20/2012 17:51	283860	18.77	-0.208	
2/20/2012 18:51	287460	18.77	-0.195	
2/20/2012 19:51	291060	18.769	-0.192	
2/20/2012 20:51	294660	18.774	-0.19	
2/20/2012 21:51	298260	18.771	-0.187	
2/20/2012 22:51	301860	18.772	-0.187	
2/20/2012 23:51	305460	18.773	-0.197	
2/21/2012 0:51	309060	18.772	-0.197	
2/21/2012 1:51	312660	18.769	-0.199	
2/21/2012 2:51	316260	18.77	-0.187	
2/21/2012 3:51	319860	18.771	-0.188	
2/21/2012 4:51	323460	18.773	-0.186	
2/21/2012 5:51	327060	18.769	-0.188	
2/21/2012 6:51	330660	18.772	-0.197	
2/21/2012 7:51	334260	18.773	-0.196	
2/21/2012 8:51	337860	18.772	-0.194	
2/21/2012 9:51	341460	18.772	-0.182	
2/21/2012 10:51	345060	18.771	-0.194	
2/21/2012 11:51	348660	18.772	-0.184	

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BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/21/2012 12:51	352260	18.769	-0.186	
2/21/2012 13:51	355860	18.774	-0.188	
2/21/2012 14:51	359460	18.772	-0.2	
2/21/2012 15:51	363060	18.773	-0.203	
2/21/2012 16:51	366660	18.774	-0.203	
2/21/2012 17:51	370260	18.773	-0.204	
2/21/2012 18:51	373860	18.771	-0.192	
2/21/2012 19:51	377460	18.773	-0.202	
2/21/2012 20:51	381060	18.769	-0.201	
2/21/2012 21:51	384660	18.768	-0.198	
2/21/2012 22:51	388260	18.776	-0.198	
2/21/2012 23:51	391860	18.774	-0.198	
2/22/2012 0:51	395460	18.772	-0.189	
2/22/2012 1:51	399060	18.775	-0.201	
2/22/2012 2:51	402660	18.769	-0.192	
2/22/2012 3:51	406260	18.772	-0.205	
2/22/2012 4:51	409860	18.773	-0.205	
2/22/2012 5:51	413460	18.773	-0.194	
2/22/2012 6:51	417060	18.77	-0.193	
2/22/2012 7:51	420660	18.771	-0.205	
2/22/2012 8:51	424260	18.772	-0.194	
2/22/2012 9:51	427860	18.771	-0.206	
2/22/2012 10:51	431460	18.773	-0.196	
2/22/2012 11:51	435060	18.771	-0.213	
2/22/2012 12:51	438660	18.77	-0.216	
2/22/2012 13:51	442260	18.773	-0.209	
2/22/2012 14:51	445860	18.771	-0.226	
2/22/2012 15:51	449460	18.771	-0.216	
2/22/2012 16:51	453060	18.772	-0.222	
2/22/2012 17:51	456660	18.772	-0.233	
2/22/2012 18:51	460260	18.773	-0.235	
2/22/2012 19:51	463860	18.775	-0.238	
2/22/2012 20:51	467460	18.771	-0.226	
2/22/2012 21:51	471060	18.772	-0.226	
2/22/2012 22:51	474660	18.772	-0.24	
2/22/2012 23:51	478260	18.77	-0.229	
2/23/2012 0:51	481860	18.773	-0.241	
2/23/2012 1:51	485460	18.77	-0.235	
2/23/2012 2:51	489060	18.773	-0.236	
2/23/2012 3:51	492660	18.771	-0.248	
2/23/2012 4:51	496260	18.775	-0.251	

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Long Term Aquifer Performance Test
BrightSource Energy
Hidden Hills Ranch Site, California

Date and Time	Seconds after APT Start	Temperature (C)	Level Depth To Water (ft)	Comments
2/23/2012 5:51	499860	18.775	-0.241	
2/23/2012 6:51	503460	18.775	-0.253	
2/23/2012 7:51	507060	18.773	-0.239	
2/23/2012 8:51	510660	18.774	-0.238	
2/23/2012 9:51	514260	18.776	-0.249	
2/23/2012 10:51	517860	18.773	-0.238	
2/23/2012 11:51	521460	18.773	-0.239	
2/23/2012 12:51	525060	18.774	-0.241	
2/23/2012 13:51	528660	18.775	-0.254	
2/23/2012 14:51	532260	18.772	-0.257	
2/23/2012 15:51	535860	18.773	-0.258	
2/23/2012 16:51	539460	18.775	-0.246	
2/23/2012 17:51	543060	18.774	-0.258	
2/23/2012 18:51	546660	18.773	-0.257	
2/23/2012 19:51	550260	18.773	-0.254	
2/23/2012 20:51	553860	18.774	-0.252	
2/23/2012 21:51	557460	18.773	-0.249	
2/23/2012 22:51	561060	18.776	-0.237	
2/23/2012 23:51	564660	18.776	-0.236	
2/24/2012 0:51	568260	18.771	-0.244	
2/24/2012 1:51	571860	18.775	-0.232	
2/24/2012 2:51	575460	18.775	-0.242	
2/24/2012 3:51	579060	18.773	-0.243	
2/24/2012 4:51	582660	18.774	-0.23	
2/24/2012 5:51	586260	18.774	-0.24	
2/24/2012 6:51	589860	18.774	-0.227	
2/24/2012 7:51	593460	18.773	-0.239	
2/24/2012 8:51	597060	18.775	-0.234	

BLM Provided Stump Springs Data

Well	USGSSiteID	Latitude	Longitude	L.S Altitude (ft asl)	Date	Time	WL Depth below MP (ft)	MP height (ft)	WL Depth below LSD (ft)
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	10/31/2003	13:35	29.84	1.34	28.50
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	11/25/2003	12:15	29.94	1.34	28.60
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	2/11/2004	9:50	29.46	1.34	28.12
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	4/16/2004	11:10	28.9	1.34	27.56
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	6/17/2004	12:30	28.85	1.34	27.51
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	9/30/2004	12:30	30.58	1.34	29.24
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	12/17/2004	11:00	30.74	1.34	29.40
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	3/4/2005	13:10	29.82	1.34	28.48
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	4/26/2005	12:35	29.07	1.34	27.73
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	6/21/2005	12:25	26.27	1.34	24.93
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	7/27/2005	14:00	24.51	1.34	23.17
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	8/29/2005	11:10	23.29	1.34	21.95
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	12/13/2005	11:55	23.97	1.34	22.63
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	4/28/2006	11:55	23.74	1.34	22.40
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	10/26/2006	-----	26.36	1.34	25.02
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	1/16/2007	13:05	26.52	1.34	25.18
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	3/20/2007	12:15	25.92	1.34	24.58
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	5/16/2007	11:58	25.39	1.34	24.05
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	7/10/2007	12:15	25.75	1.34	24.41
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	9/6/2007	12:45	26.79	1.34	25.45
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	11/20/2007	14:30	27.42	1.34	26.08
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	1/24/2008	15:30	26.96	1.34	25.62
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	3/24/2008	13:35	26.38	1.34	25.04
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	5/21/2008	12:15	25.8	1.34	24.46
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	7/11/2008	12:30	26.18	1.34	24.84
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	9/23/2008	14:15	27.75	1.34	26.41
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	12/12/2008	14:20	28.34	1.34	27.00
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	2/26/2009	13:40	27.69	1.34	26.35
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	4/15/2009	16:45	27.24	1.34	25.90
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	6/12/2009	13:00	27.12	1.34	25.78
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	8/13/2009	14:26	27.93	1.34	26.59
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	10/5/2009	12:10	28.77	1.34	27.43

Well	USGSSiteID	Latitude	Longitude	L.S Altitude (ft asl)	Date	Time	WL Depth below MP (ft)	MP height (ft)	WL Depth below LSD (ft)
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	12/30/2009	12:45	28.76	1.34	27.42
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825				1.34	
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	4/19/2010	14:15	27.57	1.34	26.23
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	6/24/2010	13:17	27.21	1.34	25.87
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	8/27/2010	11:16	28.23	1.34	26.89
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	10/27/2010	13:54	29.16	1.34	27.82
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	12/13/2010	9:50	29.12	1.34	27.78
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	2/14/2011	13:58	28.33	1.34	26.99
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	4/18/2011	12:10	27.74	1.34	26.40
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	6/21/2011	11:10	27.29	1.34	25.95
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	8/29/2011	12:44	28.07	1.34	26.73
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	10/14/2011	15:56	28.89	1.34	27.55
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	12/20/2011	11:24	29.07	1.34	27.73
Stump Spring	355941115490901	36 59 40.7	115 49 11.6	2825	2/28/2012	14:15	28.32	1.34	26.98

Laboratory Analytical Reports



CALSCIENCE

WORK ORDER NUMBER: 12-02-1638

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Analytical Report For

Client: Cardno ENTRIX

Client Project Name: Hidden Hills

Attention: Adam O'Connor
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Amanda Porter

Approved for release on 03/26/2012 by:
Amanda Porter
Project Manager

ResultLink ▶

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NELAP ID: 03220CA | DoD-ELAP ID: L10-41 | CSDLAC ID: 10109 | SCAQMD ID: 93LA0830

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Client Project Name: Hidden Hills
 Work Order Number: 12-02-1638

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Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/28/12
Work Order No: 12-02-1638
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: Hidden Hills

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	12-02-1638-1-L	02/27/12 13:00	Aqueous	GC 51	02/29/12	03/02/12 16:02	120229L08

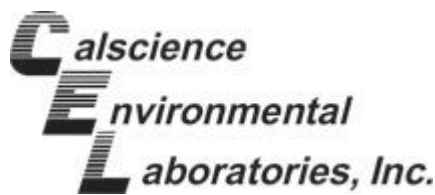
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.10	1		Endrin	ND	0.10	1	
Gamma-BHC	ND	0.10	1		Endrin Aldehyde	ND	0.10	1	
Beta-BHC	ND	0.10	1		4,4'-DDD	ND	0.10	1	
Heptachlor	ND	0.10	1		Endosulfan II	ND	0.10	1	
Delta-BHC	ND	0.10	1		4,4'-DDT	ND	0.10	1	
Aldrin	ND	0.10	1		Endosulfan Sulfate	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1		Methoxychlor	ND	0.10	1	
Endosulfan I	ND	0.10	1		Chlordane	ND	1.0	1	
Dieldrin	ND	0.10	1		Toxaphene	ND	2.0	1	
4,4'-DDE	ND	0.10	1		Endrin Ketone	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	71	50-135		2,4,5,6-Tetrachloro-m-Xylene	66	50-135	

Method Blank	099-12-529-514	N/A	Aqueous	GC 51	02/29/12	03/01/12 12:51	120229L08
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.10	1		Endrin	ND	0.10	1	
Gamma-BHC	ND	0.10	1		Endrin Aldehyde	ND	0.10	1	
Beta-BHC	ND	0.10	1		4,4'-DDD	ND	0.10	1	
Heptachlor	ND	0.10	1		Endosulfan II	ND	0.10	1	
Delta-BHC	ND	0.10	1		4,4'-DDT	ND	0.10	1	
Aldrin	ND	0.10	1		Endosulfan Sulfate	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1		Methoxychlor	ND	0.10	1	
Endosulfan I	ND	0.10	1		Chlordane	ND	1.0	1	
Dieldrin	ND	0.10	1		Toxaphene	ND	2.0	1	
4,4'-DDE	ND	0.10	1		Endrin Ketone	ND	0.10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	78	50-135		2,4,5,6-Tetrachloro-m-Xylene	58	50-135	



Analytical Report



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/28/12
Work Order No: 12-02-1638
Preparation: EPA 3510C
Method: EPA 8141B
Units: mg/L

Project: Hidden Hills

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	12-02-1638-1-K	02/27/12 13:00	Aqueous	GC 35	03/01/12	03/02/12 21:06	120301L10

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0050	1		Merphos	ND	0.0050	1	
Bolstar	ND	0.0050	1		Methyl Parathion	ND	0.0050	1	
Chlorpyrifos	ND	0.0050	1		Mevinphos	ND	0.0050	1	
Coumaphos	ND	0.0050	1		Naled	ND	0.040	1	
Diazinon	ND	0.0050	1		Phorate	ND	0.0050	1	
Dichlorvos	ND	0.0050	1		Ronnel	ND	0.0050	1	
Disulfoton	ND	0.010	1		Stirophos	ND	0.020	1	
Ethoprop	ND	0.0050	1		Tokuthion	ND	0.0050	1	
Fensulfothion	ND	0.0050	1		Trichloronate	ND	0.0050	1	
Fenthion	ND	0.0050	1		Demeton-o/s	ND	0.0050	1	

Surrogates: REC (%) Control Limits Qual

Tributylphosphate 103 30-130

Method Blank	099-12-957-117	N/A	Aqueous	GC 35	03/01/12	03/02/12 20:20	120301L10
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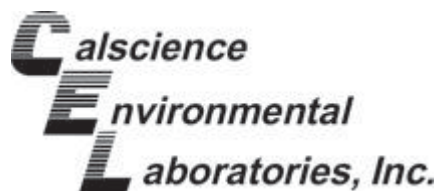
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0050	1		Merphos	ND	0.0050	1	
Bolstar	ND	0.0050	1		Methyl Parathion	ND	0.0050	1	
Chlorpyrifos	ND	0.0050	1		Mevinphos	ND	0.0050	1	
Coumaphos	ND	0.0050	1		Naled	ND	0.040	1	
Diazinon	ND	0.0050	1		Phorate	ND	0.0050	1	
Dichlorvos	ND	0.0050	1		Ronnel	ND	0.0050	1	
Disulfoton	ND	0.010	1		Stirophos	ND	0.020	1	
Ethoprop	ND	0.0050	1		Tokuthion	ND	0.0050	1	
Fensulfothion	ND	0.0050	1		Trichloronate	ND	0.0050	1	
Fenthion	ND	0.0050	1		Demeton-o/s	ND	0.0050	1	

Surrogates: REC (%) Control Limits Qual

Tributylphosphate 98 30-130

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/28/12
Work Order No: 12-02-1638
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/L

Project: Hidden Hills

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	12-02-1638-1-J	02/27/12 13:00	Aqueous	GC 40	02/29/12	03/05/12 22:06	120229L10

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	13	1		2,4-D	ND	5.0	1	
Dicamba	ND	0.50	1		2,4,5-TP (Silvex)	ND	0.50	1	
MCP	ND	500	1		2,4,5-T	ND	0.50	1	
MCPA	ND	500	1		2,4-DB	ND	5.0	1	
Dichlorprop	ND	5.0	1		Dinoseb	ND	2.5	1	
Surrogates:	REC (%)	Control Limits	Qual						
2,4-Dichlorophenylacetic acid	56	0-123							

Method Blank	095-01-034-532	N/A	Aqueous	GC 40	02/29/12	03/02/12 13:08	120229L10
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	13	1		2,4-D	ND	5.0	1	
Dicamba	ND	0.50	1		2,4,5-TP (Silvex)	ND	0.50	1	
MCP	ND	500	1		2,4,5-T	ND	0.50	1	
MCPA	ND	500	1		2,4-DB	ND	5.0	1	
Dichlorprop	ND	5.0	1		Dinoseb	ND	2.5	1	
Surrogates:	REC (%)	Control Limits	Qual						
2,4-Dichlorophenylacetic acid	44	0-123							

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/28/12
Work Order No: 12-02-1638
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Hidden Hills

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	12-02-1638-1-A	02/27/12 13:00	Aqueous	GC/MS JJ	02/28/12	02/28/12 22:40	120228L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	93	80-120			Dibromofluoromethane	104	80-126		
1,2-Dichloroethane-d4	114	80-134			Toluene-d8	98	80-120		

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/28/12
Work Order No: 12-02-1638
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Hidden Hills

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-7,133	N/A	Aqueous	GC/MS JJ	02/28/12	02/28/12 14:11	120228L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits	DF	Qual	Surrogates:	REC (%)	Control Limits	DF	Qual
1,4-Bromofluorobenzene	94	80-120			Dibromofluoromethane	106	80-126		
1,2-Dichloroethane-d4	114	80-134			Toluene-d8	98	80-120		

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/28/12
Work Order No: 12-02-1638
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A
Units: mg/L

Project: Hidden Hills

Page 1 of 1

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Well #3	12-02-1638-1-D	02/27/12 13:00	Aqueous	ICP 5300	02/28/12	02/29/12 14:22	120228LA3A

Comment(s): -Mercury analysis was performed on 02/29/12 12:53 with batch 120228L01.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Silver	ND	0.00500	1	
Arsenic	ND	0.0100	1		Thallium	ND	0.0150	1	
Barium	0.0472	0.0100	1		Vanadium	ND	0.0100	1	
Beryllium	ND	0.0100	1		Mercury	ND	0.000500	1	
Cadmium	ND	0.0100	1		Calcium	40.2	0.100	1	
Chromium	ND	0.0100	1		Iron	1.99	0.100	1	
Cobalt	ND	0.0100	1		Magnesium	19.0	0.100	1	
Copper	ND	0.0100	1		Manganese	0.0369	0.00500	1	
Lead	ND	0.0100	1		Potassium	1.43	0.500	1	
Molybdenum	ND	0.0100	1		Sodium	22.1	0.500	1	
Nickel	ND	0.0100	1		Zinc	0.0383	0.0100	1	
Selenium	ND	0.0150	1						

Method Blank	099-04-008-5,860	N/A	Aqueous	Mercury	02/28/12	02/28/12 16:53	120228L01
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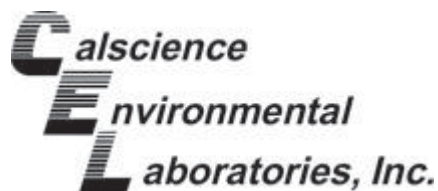
Comment(s): -Preparation/analysis for Mercury was performed by EPA 7470A.

Parameter	Result	RL	DF	Qual
Mercury	ND	0.000500	1	

Method Blank	097-01-003-12,416	N/A	Aqueous	ICP 5300	02/28/12	03/03/12 11:56	120228LA3A
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Selenium	ND	0.0150	1	
Arsenic	ND	0.0100	1		Silver	ND	0.00500	1	
Barium	ND	0.0100	1		Thallium	ND	0.0150	1	
Beryllium	ND	0.0100	1		Vanadium	ND	0.0100	1	
Cadmium	ND	0.0100	1		Calcium	ND	0.100	1	
Chromium	ND	0.0100	1		Iron	ND	0.100	1	
Cobalt	ND	0.0100	1		Magnesium	ND	0.100	1	
Copper	ND	0.0100	1		Manganese	ND	0.00500	1	
Lead	ND	0.0100	1		Potassium	ND	0.500	1	
Molybdenum	ND	0.0100	1		Sodium	ND	0.500	1	
Nickel	ND	0.0100	1		Zinc	ND	0.0100	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/28/12
Work Order No: 12-02-1638

Project: Hidden Hills

Page 1 of 1

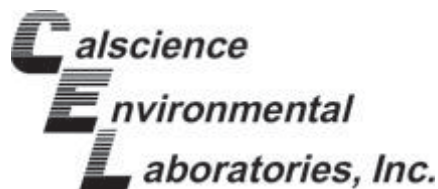
Client Sample Number	Lab Sample Number	Date Collected	Matrix
Well #3	12-02-1638-1	02/27/12	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	2.2	1.0	1		mg/L	N/A	02/28/12	EPA 300.0
Nitrate (as N)	0.55	0.10	1		mg/L	N/A	02/28/12	EPA 300.0
Sulfate	54	1.0	1		mg/L	N/A	02/28/12	EPA 300.0
Bicarbonate (as CaCO ₃)	164	5.00	1		mg/L	N/A	03/01/12	SM 2320B
Carbonate (as CaCO ₃)	ND	1.0	1		mg/L	N/A	03/01/12	SM 2320B
Alkalinity, Total (as CaCO ₃)	164	5.00	1		mg/L	N/A	03/01/12	SM 2320B
Hardness, Total (as CaCO ₃)	180	2.0	1		mg/L	N/A	02/29/12	SM 2340 C
Solids, Total Dissolved	250	1.00	1		mg/L	02/29/12	02/29/12	SM 2540 C
pH	7.73	0.01	1		pH units	N/A	02/28/12	SM 4500 H+ B
Method Blank					N/A	Aqueous		

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	ND	1.0	1		mg/L	N/A	02/28/12	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	02/28/12	EPA 300.0
Sulfate	ND	1.0	1		mg/L	N/A	02/28/12	EPA 300.0
Bicarbonate (as CaCO ₃)	ND	1.0	1		mg/L	N/A	03/01/12	SM 2320B
Carbonate (as CaCO ₃)	ND	1.0	1		mg/L	N/A	03/01/12	SM 2320B
Alkalinity, Total (as CaCO ₃)	ND	1.0	1		mg/L	N/A	03/01/12	SM 2320B
Hardness, Total (as CaCO ₃)	ND	2.0	1		mg/L	N/A	02/29/12	SM 2340 C
Solids, Total Dissolved	ND	1.0	1		mg/L	02/29/12	02/29/12	SM 2540 C

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/28/12
Work Order No: 12-02-1638
Preparation: EPA 3010A Total
Method: EPA 6010B

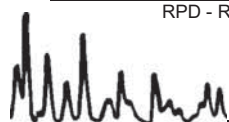
Project Hidden Hills

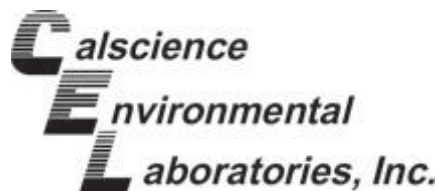
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Well #3	Aqueous	ICP 5300	02/28/12	02/29/12	120228SA3

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	0.5000	82	78	72-132	6	0-10	
Arsenic	0.5000	104	100	80-140	4	0-11	
Barium	0.5000	112	107	87-123	4	0-6	
Beryllium	0.5000	109	106	89-119	3	0-8	
Cadmium	0.5000	107	103	82-124	4	0-7	
Chromium	0.5000	107	104	86-122	3	0-8	
Cobalt	0.5000	110	106	83-125	4	0-7	
Copper	0.5000	105	100	78-126	4	0-7	
Lead	0.5000	109	104	84-120	5	0-7	
Molybdenum	0.5000	108	103	78-126	5	0-7	
Nickel	0.5000	105	102	84-120	3	0-7	
Selenium	0.5000	106	101	79-127	5	0-9	
Silver	0.2500	99	85	86-128	15	0-7	4,3
Thallium	0.5000	108	103	79-121	5	0-8	
Vanadium	0.5000	108	105	88-118	3	0-7	
Calcium	0.5000	4X	4X	77-113	4X	0-11	Q
Iron	0.5000	136	70	65-149	13	0-21	
Magnesium	0.5000	4X	4X	56-140	4X	0-11	Q
Manganese	0.5000	109	104	86-116	4	0-7	
Potassium	5.000	111	106	83-131	4	0-7	
Sodium	5.000	4X	4X	73-127	4X	0-9	Q
Zinc	0.5000	108	106	89-131	2	0-8	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - PDS / PDSD



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received 02/28/12
Work Order No: 12-02-1638
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: Hidden Hills

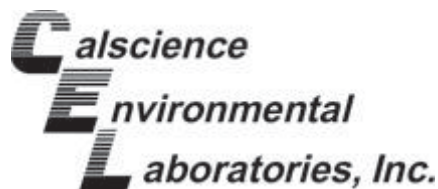
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
Well #3	Aqueous	ICP 5300	02/28/12	02/29/12	120228SA3

Parameter	SPIKE ADDED	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	0.5000	74	73	75-125	1	0-10	5
Arsenic	0.5000	92	90	75-125	2	0-11	
Barium	0.5000	104	105	75-125	1	0-6	
Beryllium	0.5000	95	95	75-125	0	0-8	
Cadmium	0.5000	93	93	75-125	0	0-7	
Chromium	0.5000	93	94	75-125	1	0-8	
Cobalt	0.5000	95	96	75-125	0	0-7	
Copper	0.5000	90	90	75-125	0	0-7	
Lead	0.5000	96	95	75-125	1	0-7	
Molybdenum	0.5000	96	95	75-125	1	0-7	
Nickel	0.5000	91	91	75-125	0	0-7	
Selenium	0.5000	93	93	75-125	1	0-9	
Silver	0.2500	91	93	75-125	1	0-7	
Thallium	0.5000	96	94	75-125	1	0-8	
Vanadium	0.5000	94	95	75-125	0	0-7	
Calcium	0.5000	4X	4X	75-125	4X	0-11	Q
Iron	0.5000	92	93	75-125	0	0-21	
Magnesium	0.5000	4X	4X	75-125	4X	0-11	Q
Manganese	0.5000	94	94	75-125	0	0-7	
Potassium	5.000	103	104	75-125	1	0-7	
Sodium	5.000	4X	4X	75-125	4X	0-9	Q
Zinc	0.5000	94	94	75-125	0	0-8	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

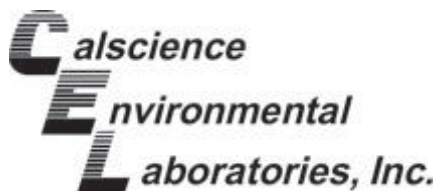
Date Received: 02/28/12
Work Order No: 12-02-1638
Preparation: EPA 7470A Total
Method: EPA 7470A

Project Hidden Hills

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-02-1591-3	Aqueous	Mercury	02/28/12	02/28/12	120228S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	0.01000	36	63	57-141	55	0-10	3,4

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - PDS / PDSD



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received 02/28/12
Work Order No: 12-02-1638
Preparation: EPA 7470A Total
Method: EPA 7470A

Project: Hidden Hills

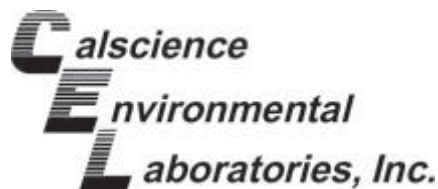
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
12-02-1591-3	Aqueous	Mercury	02/28/12	02/28/12	120228S01

Parameter	SPIKE ADDED	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	0.01000	44	44	75-125	0	0-10	5

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/28/12
Work Order No: 12-02-1638
Preparation: EPA 5030C
Method: EPA 8260B

Project Hidden Hills

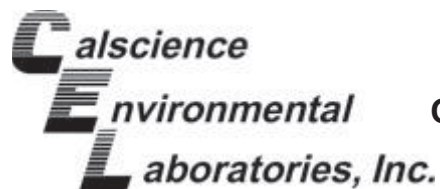
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-02-1618-2	Aqueous	GC/MS JJ	02/28/12	02/28/12	120228S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	102	98	78-120	4	0-20	
Carbon Tetrachloride	50.00	109	105	67-139	4	0-20	
Chlorobenzene	50.00	101	98	80-120	3	0-20	
1,2-Dibromoethane	50.00	108	103	80-123	5	0-20	
1,2-Dichlorobenzene	50.00	101	98	76-120	3	0-20	
1,2-Dichloroethane	50.00	107	102	76-130	5	0-20	
1,1-Dichloroethene	50.00	102	101	70-130	1	0-27	
Ethylbenzene	50.00	106	102	73-127	4	0-20	
Toluene	50.00	102	98	72-126	3	0-20	
Trichloroethene	50.00	101	98	74-122	3	0-20	
Vinyl Chloride	50.00	112	113	65-131	0	0-24	
Methyl-t-Butyl Ether (MTBE)	50.00	102	98	69-123	3	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1638

Project: Hidden Hills

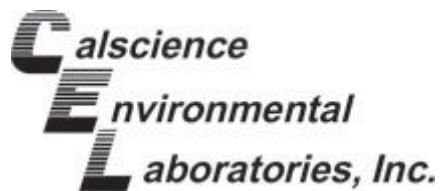
Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chloride	EPA 300.0	12-02-1608-4	02/28/12	N/A	95	95	80-120	0	0-20	
Nitrate (as N)	EPA 300.0	12-02-1608-4	02/28/12	N/A	96	97	80-120	1	0-20	
Sulfate	EPA 300.0	12-02-1608-4	02/28/12	N/A	97	98	80-120	0	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1638

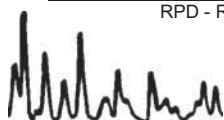
Project: Hidden Hills

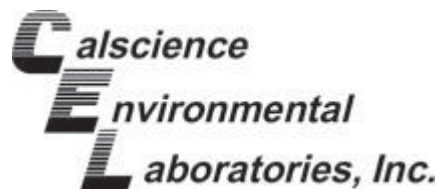
Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO ₃)	SM 2320B	Well #3	03/01/12	164	165	1	0-25	
Bicarbonate (as CaCO ₃)	SM 2320B	Well #3	03/01/12	164	165	1	0-25	
Carbonate (as CaCO ₃)	SM 2320B	Well #3	03/01/12	ND	ND	NA	0-25	
Hydroxide (as CaCO ₃)	SM 2320B	Well #3	03/01/12	ND	ND	NA	0-25	
pH	SM 4500 H+ B	12-02-1611-1	02/28/12	7.06	7.08	0	0-25	
Hardness, Total (as CaCO ₃)	SM 2340 C	12-02-1719-1	02/29/12	270	270	0	0-25	
Solids, Total Dissolved	SM 2540 C	12-02-1608-3	02/29/12	1280	1240	3	0-10	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1638
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: Hidden Hills

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
097-01-003-12,416	Aqueous	ICP 5300	02/28/12	02/29/12	120228LA3A			
Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Antimony	0.5000	97	97	80-120	73-127	0	0-20	
Arsenic	0.5000	96	96	80-120	73-127	0	0-20	
Barium	0.5000	106	106	80-120	73-127	1	0-20	
Beryllium	0.5000	99	99	80-120	73-127	0	0-20	
Cadmium	0.5000	101	101	80-120	73-127	0	0-20	
Chromium	0.5000	98	98	80-120	73-127	1	0-20	
Cobalt	0.5000	108	108	80-120	73-127	0	0-20	
Copper	0.5000	102	102	80-120	73-127	0	0-20	
Lead	0.5000	103	103	80-120	73-127	0	0-20	
Molybdenum	0.5000	97	98	80-120	73-127	0	0-20	
Nickel	0.5000	104	104	80-120	73-127	0	0-20	
Selenium	0.5000	95	95	80-120	73-127	0	0-20	
Silver	0.2500	96	97	80-120	73-127	0	0-20	
Thallium	0.5000	101	101	80-120	73-127	1	0-20	
Vanadium	0.5000	97	96	80-120	73-127	0	0-20	
Calcium	0.5000	102	100	80-120	73-127	1	0-20	
Iron	0.5000	102	102	80-120	73-127	0	0-20	
Magnesium	0.5000	100	99	80-120	73-127	0	0-20	
Manganese	0.5000	103	103	80-120	73-127	0	0-20	
Potassium	5.000	100	99	80-120	73-127	1	0-20	
Sodium	5.000	115	113	80-120	73-127	2	0-20	
Zinc	0.5000	102	102	80-120	73-127	0	0-20	

Total number of LCS compounds : 22

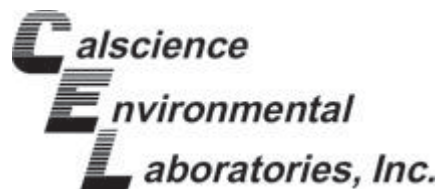
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

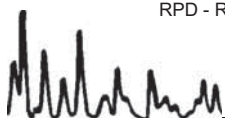
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Work Order No: 12-02-1638
Preparation: EPA 7470A Total
Method: EPA 7470A

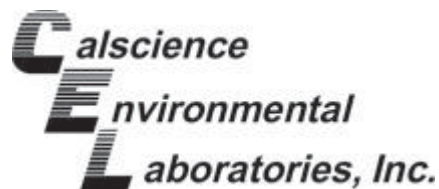
Project: Hidden Hills

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-5,860	Aqueous	Mercury	02/28/12	02/28/12	120228L01

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	0.01000	99	100	85-121	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1638
Preparation: EPA 8151A
Method: EPA 8151A

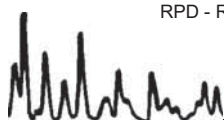
Project: Hidden Hills

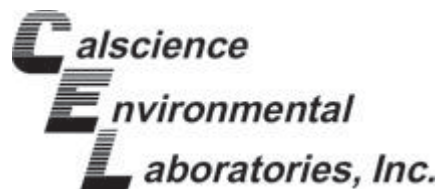
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-034-532	Aqueous	GC 40	02/29/12	03/02/12	120229L10

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	20.00	84	76	30-130	9	0-30	
2,4,5-T	2.000	75	70	30-130	7	0-30	
2,4-DB	20.00	82	77	30-130	7	0-30	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1638
Preparation: EPA 3510C
Method: EPA 8081A

Project: Hidden Hills

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-529-514	Aqueous	GC 51	02/29/12	03/01/12	120229L08			
Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	80	77	50-135	36-149	3	0-25	
Gamma-BHC	0.5000	85	86	50-135	36-149	1	0-25	
Beta-BHC	0.5000	83	82	50-135	36-149	1	0-25	
Heptachlor	0.5000	78	79	50-135	36-149	1	0-25	
Delta-BHC	0.5000	81	81	50-135	36-149	1	0-25	
Aldrin	0.5000	72	73	50-135	36-149	1	0-25	
Heptachlor Epoxide	0.5000	80	79	50-135	36-149	1	0-25	
Endosulfan I	0.5000	81	81	50-135	36-149	0	0-25	
Dieldrin	0.5000	82	83	50-135	36-149	2	0-25	
4,4'-DDE	0.5000	83	84	50-135	36-149	1	0-25	
Endrin	0.5000	84	82	50-135	36-149	3	0-25	
Endrin Aldehyde	0.5000	78	79	50-135	36-149	1	0-25	
4,4'-DDD	0.5000	82	85	50-135	36-149	3	0-25	
Endosulfan II	0.5000	79	81	50-135	36-149	1	0-25	
4,4'-DDT	0.5000	78	79	50-135	36-149	1	0-25	
Endosulfan Sulfate	0.5000	77	79	50-135	36-149	3	0-25	
Methoxychlor	0.5000	77	79	50-135	36-149	2	0-25	

Total number of LCS compounds : 17

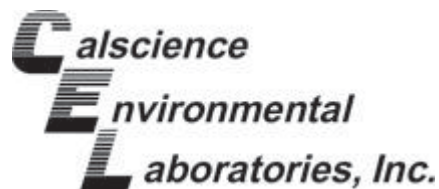
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1638
Preparation: EPA 3510C
Method: EPA 8141B

Project: Hidden Hills

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-957-117	Aqueous	GC 35	03/01/12	03/02/12	120301L10			
Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	0.04000	74	76	30-130	13-147	3	0-30	
Bolstar	0.04000	80	82	30-130	13-147	2	0-30	
Chlorpyrifos	0.04000	71	72	30-130	13-147	2	0-30	
Coumaphos	0.04000	78	79	30-130	13-147	1	0-30	
Diazinon	0.04000	78	77	30-130	13-147	1	0-30	
Disulfoton	0.04000	80	79	30-130	13-147	1	0-30	
Ethoprop	0.04000	85	84	30-130	13-147	2	0-30	
Fensulfothion	0.04000	81	82	30-130	13-147	1	0-30	
Fenthion	0.04000	75	76	30-130	13-147	2	0-30	
Merphos	0.04000	69	71	30-130	13-147	3	0-30	
Methyl Parathion	0.04000	74	74	30-130	13-147	1	0-30	
Phorate	0.04000	85	84	30-130	13-147	1	0-30	
Ronnel	0.04000	70	72	30-130	13-147	2	0-30	
Stirophos	0.04000	64	66	30-130	13-147	3	0-30	
Tokuthion	0.04000	72	75	30-130	13-147	3	0-30	
Trichloronate	0.04000	72	74	30-130	13-147	3	0-30	

Total number of LCS compounds : 16

Total number of ME compounds : 0

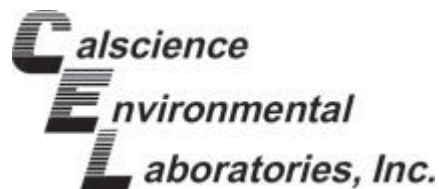
Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1638
Preparation: EPA 5030C
Method: EPA 8260B

Project: Hidden Hills

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-14-001-7,133	Aqueous	GC/MS JJ	02/28/12	02/28/12	120228L01			
Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	101	102	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	108	108	66-138	54-150	1	0-20	
Chlorobenzene	50.00	99	99	80-120	73-127	0	0-20	
1,2-Dibromoethane	50.00	104	107	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	50.00	102	103	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	105	106	80-129	72-137	1	0-20	
1,1-Dichloroethene	50.00	103	104	71-131	61-141	1	0-20	
Ethylbenzene	50.00	103	105	80-123	73-130	1	0-20	
Toluene	50.00	101	101	79-121	72-128	1	0-20	
Trichloroethene	50.00	102	102	80-120	73-127	0	0-20	
Vinyl Chloride	50.00	111	113	70-136	59-147	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	106	111	72-126	63-135	5	0-22	

Total number of LCS compounds : 12

Total number of ME compounds : 0

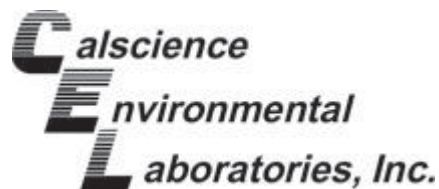
Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1638

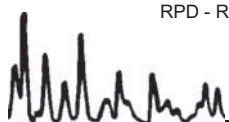
Project: Hidden Hills

Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> Sample ID	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>LCS %</u> <u>REC</u>	<u>LCSD %</u> <u>REC</u>	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qual</u>
Chloride	EPA 300.0	099-12-906-2,504	N/A	02/28/12	99	99	90-110	0	0-15	
Nitrate (as N)	EPA 300.0	099-12-906-2,504	N/A	02/28/12	99	99	90-110	0	0-15	
Sulfate	EPA 300.0	099-12-906-2,504	N/A	02/28/12	99	99	90-110	0	0-15	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit



Glossary of Terms and Qualifiers



Work Order Number: 12-02-1638

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.
 MPN - Most Probable Number



[illegible]

1638

ups
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SHIPMENT FROM

UPS ACCOUNT NO.

0416 VBV

REFERENCE NUMBER

J228 046 179 6



J228 046 179 6

TELEPHONE

Adam Olman 510 407 550

CARDNO ENTRIX

7340 CLAYTON RD #200

Concord Ca 94520

UPS Next Day Air®

1

DELIVERY TO

TELEPHONE

Amanda Porter 714 895-51

CAL SCIENCE LABS

4140 LINCOLN WAY

GARDEN GROVE CA 92741

J228 046 179 6



J228 046 179 6

TRACKING NUMBER

010190 1/10 S

United Parcel Service, Louisville, KY

WORK ORDER #: 12-02-1638

SAMPLE RECEIPT FORMCooler 1 of 1CLIENT: Cardno EntrixDATE: 02/28/12**TEMPERATURE:** Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen)Temperature 2.5 °C - 0.3 °C (CF) = 2.2 °C ☐ Blank ☒ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.☐ Received at ambient temperature, placed on ice for transport by Courier.Ambient Temperature: ☐ Air ☐ FilterInitial: NE**CUSTODY SEALS INTACT:**☐ Cooler ☐ _____ ☐ No (Not Intact) ☒ Not Present ☐ N/AInitial: NE☐ Sample ☐ _____ ☐ No (Not Intact) ☒ Not PresentInitial: AC**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☒	☐	☐
COC document(s) received complete.....	☒	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC.....	☐	☒	☐
Sample container label(s) consistent with COC.....	☐	☒	☐
Sample container(s) intact and good condition.....	☒	☐	☐
Proper containers and sufficient volume for analyses requested.....	☒	☐	☐
Analyses received within holding time.....	☒	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours...	☒	☐	☐
Proper preservation noted on COC or sample container.....	☒	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	☐	☐	☐
Tedlar bag(s) free of condensation.....	☐	☐	☐

CONTAINER TYPE:Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (____) ☐ EnCores® ☐ TerraCores® ☐ _____Water: ☐ VOA ☒ VOAn ☐ VOAna₂ ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☒ 1AGB ☐ 1AGBna₂ ☐ 1AGBs☐ 500AGB ☐ 500AGJ ☐ 500AGJs ☐ 250AGB ☐ 250CGB ☐ 250CGBs ☒ 1PB ☐ 1PBna ☒ 2500PB☒ 250PB ☒ 250PBn ☒ 125PB ☐ 125PBz₂na ☐ 100PJ ☐ 100PJna₂ ☒ 1PBn ☐ _____ ☐ _____Air: ☐ Tedlar® ☐ Summa® Other: ☐ _____ Trip Blank Lot#: _____ Labeled/Checked by: ACContainer: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: PSPreservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure z₂na: ZnAc₂+NaOH f: Filtered Scanned by: PS

WORK ORDER #: 12-02-1638

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired – list sample ID(s) and test
- ☐ Insufficient quantities for analysis – list test
- ☐ Improper container(s) used – list test
- ☐ Improper preservative used – list test
- ☐ No preservative noted on COC or label – list test & notify lab
- ☐ Sample labels illegible – note test/container type
- ☒ Sample label(s) do not match COC – Note in comments
 - ☐ Sample ID
 - ☐ Date and/or Time Collected
 - ☐ Project Information
 - ☒ # of Container(s)
 - ☐ Analysis
- ☐ Sample container(s) compromised – Note in comments
 - ☐ Water present in sample container
 - ☐ Broken
- ☐ Sample container(s) not labeled
- ☐ Air sample container(s) compromised – Note in comments
 - ☐ Flat
 - ☐ Very low in volume
 - ☐ Leaking (Not transferred - duplicate bag submitted)
 - ☐ Leaking (transferred into Calscience Tedlar® Bag*)
 - ☐ Leaking (transferred into Client's Tedlar® Bag*)
- ☐ Other: _____

Comments:

RECEIVED 19 CONTAINERS INSTEAD
OF 20.
(SEE TYPE CONTAINER)

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: RS 02/28/12

Work Order # 12-02-1638

One or more samples in this Work Order have tests that were subcontracted. The subcontract report(s) follows.

For subcontracted tests, please reference the laboratory information noted below.

1 DPRA/Zymax Forensics - Escondido,CA

Deuterium

Oxygen-18

2 Fruit Growers Laboratory, Inc. - Santa Paula,CA NELAP 01110CA

Radiochemistry

Dr. Yi Wang
Director of ZymaX Forensics Isotope
600 S. Andreasen Dr., Suite B
Escondido, CA 92029
Tel: 760.781.3338 ext 43
Fax: 760.781.3339
Cell: 609.721.2843
Email: yi.wang@zymaxusa.com

REPORT OF ISOTOPE ANALYSES

Report Date: March 16th, 2012

Samples from Calscience Environ Labs (Amanda Porter) for δD and $\delta^{18}O$ (‰ VSMOW) isotope analysis

ZymaX ID	Sample ID	$\delta^{18}O$	δD	ZymaX ID	$\delta^{18}O$	δD
42564-1	Well #3	-13.3	-98.0	QC-01	-4.7	-35.9
				QC-02	-4.8	-35.3
				Mean	-4.8	-35.6
	Analytical precision (1 σ)	0.1	0.4	STDEV	0.1	0.4

ZYMAX FORENSICS ISOTOPE LABORATORY ANALYSES

Gas
 ^{13}C and D of C1 to C4; ^{13}C of CO_2 ; C-14 of Methane and CO_2 ; ^{34}S of H_2S ; ^{15}N and ^{18}O of N_2O gas

Oil, Extract, Fraction and Kerogen
Compound-Specific ^{13}C and D of MTBE, Chlorinated Solvents, PAH, Gasoline, Oil; Bulk ^{13}C , D/H, ^{34}S , and ^{15}N

Water
D and ^{18}O ; ^{34}S and ^{18}O of dissolved sulfate; ^{34}S of dissolved H_2S ; ^{37}Cl , ^{13}C and D of chlorinated solvents
 ^{15}N and ^{18}O of dissolved Nitrate; ^{15}N of Ammonia; ^{13}C of dissolved CO_2 and Carbonate/Bicarbonate

Soil and Minerals:
 ^{13}C , ^{15}N , ^{34}S , D/H, ^{18}O ; C-14 of carbonate or organics

TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

TO: Zymax/ DPRA
600 S Andreasen Dr, Suite B
Escondido, CA

DATE: 02/28/12

PAGE: 1 OF 1

[illegible]

March 23, 2012

Calscience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841-1432

Lab ID : SP 1202071
Customer : 2-17756

Laboratory Report

Introduction: This report package contains total of 4 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
Sample Results (1 page) : Results for each sample submitted.
Quality Control (1 page) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Well #3	02/27/2012	02/29/2012	SP 1202071-001	GW

Sampling and Receipt Information: The sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC

900.0	03/08/2012:203616 All analysis quality controls are within established criteria
	03/05/2012:202451 All preparation quality controls are within established criteria
903.0	03/19/2012:204019 All analysis quality controls are within established criteria
	03/16/2012:202908 All preparation quality controls are within established criteria
908.0	03/23/2012:204273 All analysis quality controls are within established criteria
	03/19/2012:203017 All preparation quality controls are within established criteria
Ra - 05	03/11/2012:203562 All analysis quality controls are within established criteria
	03/08/2012:202465 All preparation quality controls are within established criteria

March 23, 2012

Calscience Environmental Laboratories

Lab ID : SP 1202071

Customer : 2-17756

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Michel M. Franco, B.A.**



Digitally signed by Michel M. Franco, B.A.
Title: Radiochemistry Lab Manager
Date: 2012-03-23

March 23, 2012

Lab ID : SP 1202071-001

Customer ID : 2-17756

Calscience Environmental Laboratories

7440 Lincoln Way

Garden Grove, CA 92841-1432

Sampled On : February 27, 2012-13:00

Sampled By : Not Available

Received On : February 29, 2012-14:30

Matrix : Ground Water

Description : Well #3

Project : 12-02-1638

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry^{P,1}								
Gross Alpha	2.67 ± 1.06	0.745	pCi/L	15/5	900.0	03/05/12-19:00 2P1202451	900.0	03/08/12-04:10 2A1203616
Gross Beta	1.34 ± 0.860	0.919	pCi/L	50	900.0	03/05/12-19:00 2P1202451	900.0	03/08/12-04:10 2A1203616
Total Alpha Radium (226)	0.034 ± 0.148	0.439	pCi/L	3	903.0	03/16/12-03:00 2P1202908	903.0	03/19/12-03:15 2A1204019
Uranium	2.01 ± 0.869	0.473	pCi/L	20	908.0	03/19/12-18:00 2P1203017	908.0	03/23/12-14:35 2A1204273
Ra 228	0.000 ± 0.422	0.261	pCi/L	2	Ra - 05	03/08/12-18:30 2P1202465	Ra - 05	03/11/12-14:10 2A1203562

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: N/A * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.

MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).

AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following

If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:

Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L

Uranium is less than or equal to 20 pCi/L

Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

March 23, 2012
Calscience Environmental Laboratories

Lab ID : SP 1202071
 Customer : 2-17756

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	03/08/12:203616FHH	CCV CCB	cpm cpm	9879	42.6 % 0.100	41 - 50 0.16	
Beta	900.0	03/08/12:203616FHH	CCV CCB	cpm cpm	9879	96.3 % 0.3200	89 - 109 0.59	
Gross Alpha	900.0	03/05/12:202451JMB (SP 1201970-001)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 155.2 155.2 155.2 155.2	 0.29 104 % 137 % 126 % 8.0%	 3 75-125 60-140 60-140 ≤30	
Gross Beta	900.0	03/05/12:202451JMB (SP 1201970-001)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 90.87 90.87 90.87 155.2	 0.45 108 % 114 % 120 % 5.2%	 4 75-125 80-130 80-130 ≤30	
Alpha	903.0	03/19/12:204019fhh	CCV CCB	cpm cpm	9870	41.2 % 0.0800	39 - 48 0.15	
Total Alpha Radium (226)	903.0	03/16/12:202908fhh	RgBlk LCS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 17.84 17.84 17.84 17.84	 0.02 78.4 % 56.1 % 64.8 % 14.5%	 2 52-107 43-111 43-111 ≤35.5	
Alpha	908.0	03/23/12:204273mmf	CCV CCB	cpm cpm	9865	40.6 % 0.0800	39 - 48 0.15	
Uranium	908.0	03/19/12:203017FHH	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 20.86 20.86 20.86 20.86	 0.03 96.5 % 90.0 % 94.5 % 4.9%	 1 54-105 75-125 75-125 ≤20	
Beta	Ra - 05	03/11/12:203562emv	CCV CCB	cpm cpm	10320	91.1 % 0.1800	85 - 104 0.56	
Ra 228	Ra - 05	03/08/12:202465emv	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 63.82 63.82 63.82 63.82	 0.06 53.9 % 97.7 % 103 % 5.1%	 3 27-59 75-125 75-125 ≤25	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.



[illegible]

Santa Paula - Condition Upon Receipt (Attach to COC)**Sample Receipt:**

1. Number of ice chests/packages received:
Note as OTC if received over the counter unpackaged. ROI
2. Were samples received in a chilled condition? Temps / / / /
Acceptable is 2° to 6° C. Also acceptable is received on ice (ROI) for the same day of sampling or received at room temperature (RRT) if sampled within one hour of receipt. Client contact for temperature failures must be documented below. If many packages are received at one time check for tests/H.T.'s/rushes/Bacti's to prioritize further review. Please notify Microbiology personnel immediately of bacti samples received.
3. Do the number of bottles received agree with the COC? Yes No N/A
4. Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No
5. Were sample custody seals intact? N/A Yes No

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

1. Were all requested analyses understood and acceptable? Yes No
2. Did bottle labels correspond with the client's ID's? Yes No
3. Were all bottles requiring sample preservation properly preserved? Yes No N/A FGL
4. VOAs checked for Headspace? Yes No N/A
5. Were all analyses within holding times at time of receipt? Yes No
6. Have rush or project due dates been checked and accepted? N/A Yes No

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): **Discrepancy Documentation:**

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

1. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____

Resolution: _____

2. Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____

Resolution: _____

(2-17756)
Calscience Environmental Laboratories

SP 1202071

SRP-02/29/2012-15:33:31



CALSCIENCE

WORK ORDER NUMBER: 12-02-1446

The difference is service



AIR :: SOIL :: WATER :: MARINE CHEMISTRY

Analytical Report For

Client: Cardno ENTRIX

Client Project Name: Hidden Hills

Attention: Adam O'Connor
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Amanda Porter

Approved for release on 03/26/2012 by:
Amanda Porter
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.



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 Work Order Number: 12-02-1446

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Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/24/12
Work Order No: 12-02-1446
Preparation: EPA 3510C
Method: EPA 8081A
Units: ug/L

Project: Hidden Hills

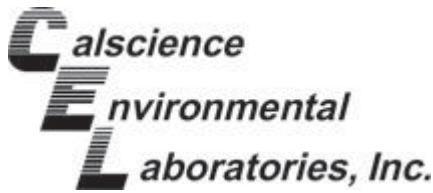
Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Orchard Well	12-02-1446-1-L	02/23/12 12:45	Aqueous	GC 51	02/29/12	03/02/12 15:47	120229L08

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.10	1		Endrin	ND	0.10	1	
Gamma-BHC	ND	0.10	1		Endrin Aldehyde	ND	0.10	1	
Beta-BHC	ND	0.10	1		4,4'-DDD	ND	0.10	1	
Heptachlor	ND	0.10	1		Endosulfan II	ND	0.10	1	
Delta-BHC	ND	0.10	1		4,4'-DDT	ND	0.10	1	
Aldrin	ND	0.10	1		Endosulfan Sulfate	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1		Methoxychlor	ND	0.10	1	
Endosulfan I	ND	0.10	1		Chlordane	ND	1.0	1	
Dieldrin	ND	0.10	1		Toxaphene	ND	2.0	1	
4,4'-DDE	ND	0.10	1		Endrin Ketone	ND	0.10	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Decachlorobiphenyl	77	50-135			2,4,5,6-Tetrachloro-m-Xylene	63	50-135		

Method Blank	099-12-529-514	N/A	Aqueous	GC 51	02/29/12	03/01/12 12:51	120229L08
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Alpha-BHC	ND	0.10	1		Endrin	ND	0.10	1	
Gamma-BHC	ND	0.10	1		Endrin Aldehyde	ND	0.10	1	
Beta-BHC	ND	0.10	1		4,4'-DDD	ND	0.10	1	
Heptachlor	ND	0.10	1		Endosulfan II	ND	0.10	1	
Delta-BHC	ND	0.10	1		4,4'-DDT	ND	0.10	1	
Aldrin	ND	0.10	1		Endosulfan Sulfate	ND	0.10	1	
Heptachlor Epoxide	ND	0.10	1		Methoxychlor	ND	0.10	1	
Endosulfan I	ND	0.10	1		Chlordane	ND	1.0	1	
Dieldrin	ND	0.10	1		Toxaphene	ND	2.0	1	
4,4'-DDE	ND	0.10	1		Endrin Ketone	ND	0.10	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Decachlorobiphenyl	78	50-135			2,4,5,6-Tetrachloro-m-Xylene	58	50-135		



Analytical Report



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/24/12
Work Order No: 12-02-1446
Preparation: EPA 3510C
Method: EPA 8141B
Units: mg/L

Project: Hidden Hills

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Orchard Well	12-02-1446-1-E	02/23/12 12:45	Aqueous	GC 35	02/24/12	02/29/12 13:41	120224L12

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0050	1		Merphos	ND	0.0050	1	
Bolstar	ND	0.0050	1		Methyl Parathion	ND	0.0050	1	
Chlorpyrifos	ND	0.0050	1		Mevinphos	ND	0.0050	1	
Coumaphos	ND	0.0050	1		Naled	ND	0.040	1	
Diazinon	ND	0.0050	1		Phorate	ND	0.0050	1	
Dichlorvos	ND	0.0050	1		Ronnel	ND	0.0050	1	
Disulfoton	ND	0.010	1		Stirophos	ND	0.020	1	
Ethoprop	ND	0.0050	1		Tokuthion	ND	0.0050	1	
Fensulfothion	ND	0.0050	1		Trichloronate	ND	0.0050	1	
Fenthion	ND	0.0050	1		Demeton-o/s	ND	0.0050	1	

Surrogates: REC (%) Control Limits Qual

Tributylphosphate 100 30-130

Method Blank	099-12-957-116	N/A	Aqueous	GC 35	02/24/12	02/29/12 12:55	120224L12
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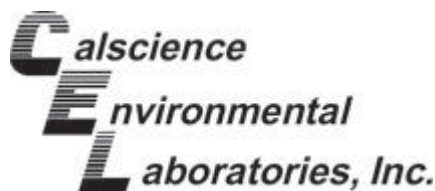
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Azinphos Methyl	ND	0.0050	1		Merphos	ND	0.0050	1	
Bolstar	ND	0.0050	1		Methyl Parathion	ND	0.0050	1	
Chlorpyrifos	ND	0.0050	1		Mevinphos	ND	0.0050	1	
Coumaphos	ND	0.0050	1		Naled	ND	0.040	1	
Diazinon	ND	0.0050	1		Phorate	ND	0.0050	1	
Dichlorvos	ND	0.0050	1		Ronnel	ND	0.0050	1	
Disulfoton	ND	0.010	1		Stirophos	ND	0.020	1	
Ethoprop	ND	0.0050	1		Tokuthion	ND	0.0050	1	
Fensulfothion	ND	0.0050	1		Trichloronate	ND	0.0050	1	
Fenthion	ND	0.0050	1		Demeton-o/s	ND	0.0050	1	

Surrogates: REC (%) Control Limits Qual

Tributylphosphate 103 30-130

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Analytical Report



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/24/12
Work Order No: 12-02-1446
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/L

Project: Hidden Hills

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Orchard Well	12-02-1446-1-J	02/23/12 12:45	Aqueous	GC 40	02/29/12	03/02/12 14:12	120229L10

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	13	1		2,4-D	ND	5.0	1	
Dicamba	ND	0.50	1		2,4,5-TP (Silvex)	ND	0.50	1	
MCP	ND	500	1		2,4,5-T	ND	0.50	1	
MCPA	ND	500	1		2,4-DB	ND	5.0	1	
Dichloroprop	ND	5.0	1		Dinoseb	ND	2.5	1	
Surrogates:	REC (%)	Control Limits	Qual						
2,4-Dichlorophenylacetic acid	80	0-123							

Method Blank	095-01-034-532	N/A	Aqueous	GC 40	02/29/12	03/02/12 13:08	120229L10
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dalapon	ND	13	1		2,4-D	ND	5.0	1	
Dicamba	ND	0.50	1		2,4,5-TP (Silvex)	ND	0.50	1	
MCP	ND	500	1		2,4,5-T	ND	0.50	1	
MCPA	ND	500	1		2,4-DB	ND	5.0	1	
Dichloroprop	ND	5.0	1		Dinoseb	ND	2.5	1	
Surrogates:	REC (%)	Control Limits	Qual						
2,4-Dichlorophenylacetic acid	44	0-123							

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/24/12
Work Order No: 12-02-1446
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Hidden Hills

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Orchard Well	12-02-1446-1-C	02/23/12 12:45	Aqueous	GC/MS JJ	02/28/12	02/28/12 17:58	120228L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	96	80-120			Dibromofluoromethane	103	80-126		
1,2-Dichloroethane-d4	109	80-134			Toluene-d8	97	80-120		

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/24/12
Work Order No: 12-02-1446
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Hidden Hills

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-7,133	N/A	Aqueous	GC/MS JJ	02/28/12	02/28/12 14:11	120228L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	20	1		1,3-Dichloropropane	ND	1.0	1	
Benzene	ND	0.50	1		2,2-Dichloropropane	ND	1.0	1	
Bromobenzene	ND	1.0	1		1,1-Dichloropropene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		c-1,3-Dichloropropene	ND	0.50	1	
Bromodichloromethane	ND	1.0	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromoform	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromomethane	ND	10	1		2-Hexanone	ND	10	1	
2-Butanone	ND	10	1		Isopropylbenzene	ND	1.0	1	
n-Butylbenzene	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
sec-Butylbenzene	ND	1.0	1		Methylene Chloride	ND	10	1	
tert-Butylbenzene	ND	1.0	1		4-Methyl-2-Pentanone	ND	10	1	
Carbon Disulfide	ND	10	1		Naphthalene	ND	10	1	
Carbon Tetrachloride	ND	0.50	1		n-Propylbenzene	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Styrene	ND	1.0	1	
Chloroethane	ND	5.0	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Chloroform	ND	1.0	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chloromethane	ND	10	1		Tetrachloroethene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		Toluene	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Dibromochloromethane	ND	1.0	1		1,2,4-Trichlorobenzene	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		1,1,1-Trichloroethane	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dichlorobenzene	ND	1.0	1		Trichloroethene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
1,4-Dichlorobenzene	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
Dichlorodifluoromethane	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,1-Dichloroethane	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Vinyl Acetate	ND	10	1	
1,1-Dichloroethene	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	1.0	1		p/m-Xylene	ND	1.0	1	
t-1,2-Dichloroethene	ND	1.0	1		o-Xylene	ND	1.0	1	
1,2-Dichloropropane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Surrogates:	REC (%)	Control Limits	DF	Qual	Surrogates:	REC (%)	Control Limits	DF	Qual
1,4-Bromofluorobenzene	94	80-120			Dibromofluoromethane	106	80-126		
1,2-Dichloroethane-d4	114	80-134			Toluene-d8	98	80-120		

Return to Contents



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/24/12
Work Order No: 12-02-1446
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A
Units: mg/L

Project: Hidden Hills

Page 1 of 1

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Orchard Well	12-02-1446-1-I	02/23/12 12:45	Aqueous	ICP 5300	02/24/12	02/25/12 14:15	120224LA4

Comment(s): -Mercury analysis was performed on 02/24/12 17:54 with batch 120224L01.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Silver	ND	0.00500	1	
Arsenic	ND	0.0100	1		Thallium	ND	0.0150	1	
Barium	0.0301	0.0100	1		Vanadium	ND	0.0100	1	
Beryllium	ND	0.0100	1		Mercury	ND	0.000500	1	
Cadmium	ND	0.0100	1		Calcium	55.5	0.100	1	
Chromium	ND	0.0100	1		Iron	ND	0.100	1	
Cobalt	ND	0.0100	1		Magnesium	31.4	0.100	1	
Copper	ND	0.0100	1		Manganese	0.0238	0.00500	1	
Lead	ND	0.0100	1		Potassium	1.53	0.500	1	
Molybdenum	ND	0.0100	1		Sodium	21.9	0.500	1	
Nickel	ND	0.0100	1		Zinc	0.173	0.0100	1	
Selenium	ND	0.0150	1						

Method Blank	099-04-008-5,856	N/A	Aqueous	Mercury	02/24/12	02/24/12 12:12	120224L01
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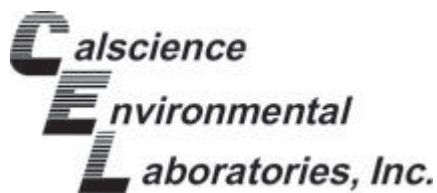
Comment(s): -Preparation/analysis for Mercury was performed by EPA 7470A.

Parameter	Result	RL	DF	Qual
Mercury	ND	0.000500	1	

Method Blank	097-01-003-12,397	N/A	Aqueous	ICP 5300	02/24/12	02/25/12 13:00	120224LA4
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Selenium	ND	0.0150	1	
Arsenic	ND	0.0100	1		Silver	ND	0.00500	1	
Barium	ND	0.0100	1		Thallium	ND	0.0150	1	
Beryllium	ND	0.0100	1		Vanadium	ND	0.0100	1	
Cadmium	ND	0.0100	1		Calcium	ND	0.100	1	
Chromium	ND	0.0100	1		Iron	ND	0.100	1	
Cobalt	ND	0.0100	1		Magnesium	ND	0.100	1	
Copper	ND	0.0100	1		Manganese	ND	0.00500	1	
Lead	ND	0.0100	1		Potassium	ND	0.500	1	
Molybdenum	ND	0.0100	1		Sodium	ND	0.500	1	
Nickel	ND	0.0100	1		Zinc	ND	0.0100	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/24/12
Work Order No: 12-02-1446

Project: Hidden Hills

Page 1 of 1

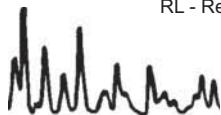
Client Sample Number	Lab Sample Number	Date Collected	Matrix
Orchard Well	12-02-1446-1	02/23/12	Aqueous

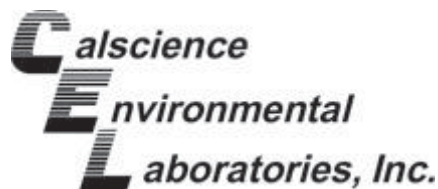
Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	6.1	1.0	1		mg/L	N/A	02/24/12	EPA 300.0
Nitrate (as N)	7.6	0.10	1		mg/L	N/A	02/24/12	EPA 300.0
Sulfate	110	2.0	2		mg/L	N/A	02/24/12	EPA 300.0
Bicarbonate (as CaCO ₃)	154	5.00	1		mg/L	N/A	02/28/12	SM 2320B
Carbonate (as CaCO ₃)	ND	1.0	1		mg/L	N/A	02/28/12	SM 2320B
Alkalinity, Total (as CaCO ₃)	154	5.00	1		mg/L	N/A	02/28/12	SM 2320B
Hardness, Total (as CaCO ₃)	260	2.0	1		mg/L	N/A	02/27/12	SM 2340 C
Solids, Total Dissolved	320	1.00	1		mg/L	02/24/12	02/24/12	SM 2540 C
pH	7.54	0.01	1		pH units	N/A	02/24/12	SM 4500 H+ B
Method Blank					N/A	Aqueous		

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Chloride	ND	1.0	1		mg/L	N/A	02/24/12	EPA 300.0
Nitrate (as N)	ND	0.10	1		mg/L	N/A	02/24/12	EPA 300.0
Sulfate	ND	1.0	1		mg/L	N/A	02/24/12	EPA 300.0
Bicarbonate (as CaCO ₃)	ND	1.0	1		mg/L	N/A	02/28/12	SM 2320B
Carbonate (as CaCO ₃)	ND	1.0	1		mg/L	N/A	02/28/12	SM 2320B
Alkalinity, Total (as CaCO ₃)	ND	1.0	1		mg/L	N/A	02/28/12	SM 2320B
Hardness, Total (as CaCO ₃)	ND	2.0	1		mg/L	N/A	02/27/12	SM 2340 C
Solids, Total Dissolved	ND	1.0	1		mg/L	02/24/12	02/24/12	SM 2540 C

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/24/12
Work Order No: 12-02-1446
Preparation: EPA 3010A Total
Method: EPA 6010B

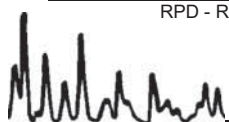
Project Hidden Hills

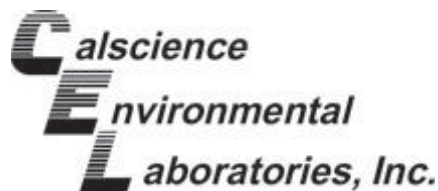
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-02-1337-3	Aqueous	ICP 5300	02/24/12	02/25/12	120224SA4

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	0.5000	129	128	72-132	1	0-10	
Arsenic	0.5000	129	126	80-140	2	0-11	
Barium	0.5000	116	115	87-123	1	0-6	
Beryllium	0.5000	116	115	89-119	1	0-8	
Cadmium	0.5000	110	108	82-124	1	0-7	
Chromium	0.5000	115	114	86-122	1	0-8	
Cobalt	0.5000	111	109	83-125	1	0-7	
Copper	0.5000	123	122	78-126	1	0-7	
Lead	0.5000	109	107	84-120	1	0-7	
Molybdenum	0.5000	113	112	78-126	1	0-7	
Nickel	0.5000	112	112	84-120	1	0-7	
Selenium	0.5000	125	123	79-127	1	0-9	
Silver	0.2500	122	121	86-128	1	0-7	
Thallium	0.5000	98	98	79-121	1	0-8	
Vanadium	0.5000	118	117	88-118	1	0-7	
Calcium	0.5000	4X	4X	77-113	4X	0-11	Q
Iron	0.5000	109	97	65-149	3	0-21	
Magnesium	0.5000	4X	4X	56-140	4X	0-11	Q
Manganese	0.5000	107	104	86-116	2	0-7	
Potassium	5.000	4X	4X	83-131	4X	0-7	Q
Sodium	5.000	4X	4X	73-127	4X	0-9	Q
Zinc	0.5000	118	117	89-131	1	0-8	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - PDS / PDSD



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received 02/24/12
Work Order No: 12-02-1446
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: Hidden Hills

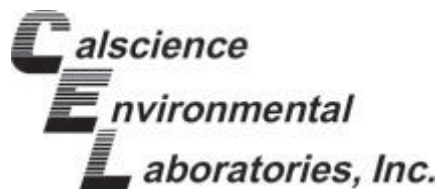
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
12-02-1337-3	Aqueous	ICP 5300	02/24/12	02/25/12	120224SA4

Parameter	SPIKE ADDED	PDS %REC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	0.5000	122	122	75-125	0	0-10	
Arsenic	0.5000	120	121	75-125	1	0-11	
Barium	0.5000	112	110	75-125	1	0-6	
Beryllium	0.5000	110	109	75-125	1	0-8	
Cadmium	0.5000	104	103	75-125	1	0-7	
Chromium	0.5000	109	108	75-125	1	0-8	
Cobalt	0.5000	104	105	75-125	0	0-7	
Copper	0.5000	116	115	75-125	1	0-7	
Lead	0.5000	102	103	75-125	0	0-7	
Molybdenum	0.5000	106	107	75-125	1	0-7	
Nickel	0.5000	107	106	75-125	1	0-7	
Selenium	0.5000	117	119	75-125	1	0-9	
Silver	0.2500	110	108	75-125	1	0-7	
Thallium	0.5000	93	94	75-125	1	0-8	
Vanadium	0.5000	112	111	75-125	1	0-7	
Calcium	0.5000	4X	4X	75-125	4X	0-11	Q
Iron	0.5000	90	89	75-125	0	0-21	
Magnesium	0.5000	4X	4X	75-125	4X	0-11	Q
Manganese	0.5000	99	99	75-125	1	0-7	
Potassium	5.000	4X	4X	75-125	4X	0-7	Q
Sodium	5.000	4X	4X	75-125	4X	0-9	Q
Zinc	0.5000	112	111	75-125	1	0-8	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/24/12
Work Order No: 12-02-1446
Preparation: EPA 7470A Total
Method: EPA 7470A

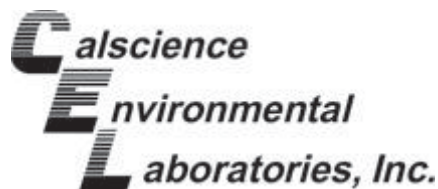
Project Hidden Hills

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-02-1339-4	Aqueous	Mercury	02/24/12	02/24/12	120224S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	0.01000	103	101	57-141	3	0-10	

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: 02/24/12
Work Order No: 12-02-1446
Preparation: EPA 5030C
Method: EPA 8260B

Project Hidden Hills

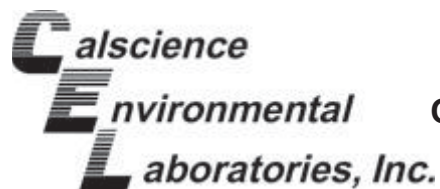
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-02-1618-2	Aqueous	GC/MS JJ	02/28/12	02/28/12	120228S01

Parameter	SPIKE ADDED	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	50.00	102	98	78-120	4	0-20	
Carbon Tetrachloride	50.00	109	105	67-139	4	0-20	
Chlorobenzene	50.00	101	98	80-120	3	0-20	
1,2-Dibromoethane	50.00	108	103	80-123	5	0-20	
1,2-Dichlorobenzene	50.00	101	98	76-120	3	0-20	
1,2-Dichloroethane	50.00	107	102	76-130	5	0-20	
1,1-Dichloroethene	50.00	102	101	70-130	1	0-27	
Ethylbenzene	50.00	106	102	73-127	4	0-20	
Toluene	50.00	102	98	72-126	3	0-20	
Trichloroethene	50.00	101	98	74-122	3	0-20	
Vinyl Chloride	50.00	112	113	65-131	0	0-24	
Methyl-t-Butyl Ether (MTBE)	50.00	102	98	69-123	3	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1446

Project: Hidden Hills

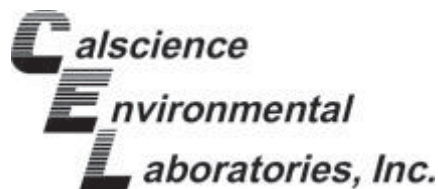
Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Chloride	EPA 300.0	Orchard Well	02/24/12	N/A	98	98	80-120	0	0-20	
Nitrate (as N)	EPA 300.0	Orchard Well	02/24/12	N/A	99	99	80-120	0	0-20	
Sulfate	EPA 300.0	Orchard Well	02/24/12	N/A	98	98	80-120	0	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1446

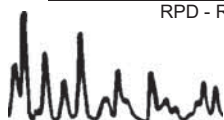
Project: Hidden Hills

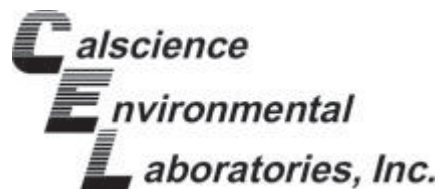
Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Alkalinity, Total (as CaCO ₃)	SM 2320B	12-02-1135-1	02/28/12	1060	1060	0	0-25	
Bicarbonate (as CaCO ₃)	SM 2320B	12-02-1135-1	02/28/12	1060	1060	0	0-25	
Carbonate (as CaCO ₃)	SM 2320B	12-02-1135-1	02/28/12	ND	ND	NA	0-25	
Hydroxide (as CaCO ₃)	SM 2320B	12-02-1135-1	02/28/12	ND	ND	NA	0-25	
pH	SM 4500 H+ B	Orchard Well	02/24/12	7.54	7.50	1	0-25	
Hardness, Total (as CaCO ₃)	SM 2340 C	12-02-1347-6	02/27/12	1100	1100	0	0-25	
Solids, Total Dissolved	SM 2540 C	12-02-1406-1	02/24/12	1110	1100	1	0-10	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1446
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: Hidden Hills

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
097-01-003-12,397	Aqueous	ICP 5300	02/24/12	02/25/12	120224LA4			
Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Antimony	0.5000	112	113	80-120	73-127	1	0-20	
Arsenic	0.5000	108	109	80-120	73-127	1	0-20	
Barium	0.5000	114	114	80-120	73-127	1	0-20	
Beryllium	0.5000	107	108	80-120	73-127	1	0-20	
Cadmium	0.5000	109	109	80-120	73-127	1	0-20	
Chromium	0.5000	107	108	80-120	73-127	1	0-20	
Cobalt	0.5000	115	116	80-120	73-127	1	0-20	
Copper	0.5000	106	106	80-120	73-127	0	0-20	
Lead	0.5000	112	112	80-120	73-127	1	0-20	
Molybdenum	0.5000	107	108	80-120	73-127	1	0-20	
Nickel	0.5000	114	114	80-120	73-127	0	0-20	
Selenium	0.5000	107	109	80-120	73-127	2	0-20	
Silver	0.2500	103	104	80-120	73-127	1	0-20	
Thallium	0.5000	112	113	80-120	73-127	1	0-20	
Vanadium	0.5000	104	105	80-120	73-127	1	0-20	
Calcium	0.5000	107	111	80-120	73-127	3	0-20	
Iron	0.5000	109	110	80-120	73-127	1	0-20	
Magnesium	0.5000	103	103	80-120	73-127	0	0-20	
Manganese	0.5000	107	107	80-120	73-127	0	0-20	
Potassium	5.000	103	103	80-120	73-127	0	0-20	
Sodium	5.000	104	105	80-120	73-127	1	0-20	
Zinc	0.5000	110	111	80-120	73-127	1	0-20	

Total number of LCS compounds : 22

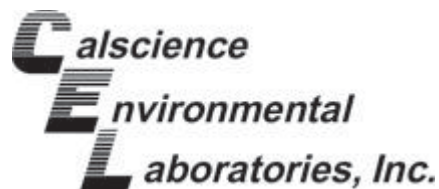
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1446
Preparation: EPA 7470A Total
Method: EPA 7470A

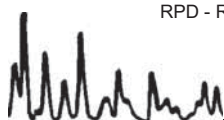
Project: Hidden Hills

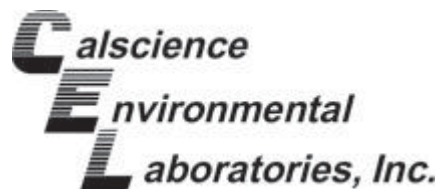
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-5,856	Aqueous	Mercury	02/24/12	02/24/12	120224L01

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	0.01000	98	98	85-121	0	0-10	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1446
Preparation: EPA 8151A
Method: EPA 8151A

Project: Hidden Hills

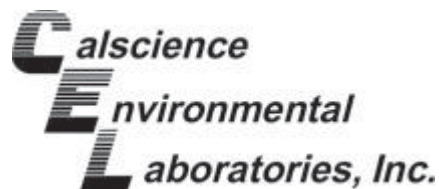
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-034-532	Aqueous	GC 40	02/29/12	03/02/12	120229L10

Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4-D	20.00	84	76	30-130	9	0-30	
2,4,5-T	2.000	75	70	30-130	7	0-30	
2,4-DB	20.00	82	77	30-130	7	0-30	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1446
Preparation: EPA 3510C
Method: EPA 8081A

Project: Hidden Hills

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-529-514	Aqueous	GC 51	02/29/12	03/01/12	120229L08			
Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Alpha-BHC	0.5000	80	77	50-135	36-149	3	0-25	
Gamma-BHC	0.5000	85	86	50-135	36-149	1	0-25	
Beta-BHC	0.5000	83	82	50-135	36-149	1	0-25	
Heptachlor	0.5000	78	79	50-135	36-149	1	0-25	
Delta-BHC	0.5000	81	81	50-135	36-149	1	0-25	
Aldrin	0.5000	72	73	50-135	36-149	1	0-25	
Heptachlor Epoxide	0.5000	80	79	50-135	36-149	1	0-25	
Endosulfan I	0.5000	81	81	50-135	36-149	0	0-25	
Dieldrin	0.5000	82	83	50-135	36-149	2	0-25	
4,4'-DDE	0.5000	83	84	50-135	36-149	1	0-25	
Endrin	0.5000	84	82	50-135	36-149	3	0-25	
Endrin Aldehyde	0.5000	78	79	50-135	36-149	1	0-25	
4,4'-DDD	0.5000	82	85	50-135	36-149	3	0-25	
Endosulfan II	0.5000	79	81	50-135	36-149	1	0-25	
4,4'-DDT	0.5000	78	79	50-135	36-149	1	0-25	
Endosulfan Sulfate	0.5000	77	79	50-135	36-149	3	0-25	
Methoxychlor	0.5000	77	79	50-135	36-149	2	0-25	

Total number of LCS compounds : 17

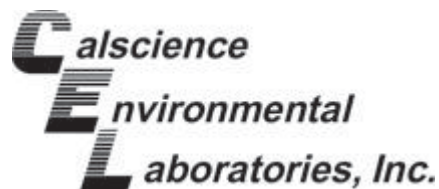
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1446
Preparation: EPA 3510C
Method: EPA 8141B

Project: Hidden Hills

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-957-116	Aqueous	GC 35	02/24/12	02/29/12	120224L12			
Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	0.04000	72	67	30-130	13-147	7	0-30	
Bolstar	0.04000	76	72	30-130	13-147	5	0-30	
Chlorpyrifos	0.04000	69	67	30-130	13-147	2	0-30	
Coumaphos	0.04000	75	71	30-130	13-147	5	0-30	
Diazinon	0.04000	73	73	30-130	13-147	1	0-30	
Disulfoton	0.04000	70	72	30-130	13-147	3	0-30	
Ethoprop	0.04000	77	80	30-130	13-147	3	0-30	
Fensulfothion	0.04000	78	73	30-130	13-147	7	0-30	
Fenthion	0.04000	70	69	30-130	13-147	1	0-30	
Merphos	0.04000	76	72	30-130	13-147	5	0-30	
Methyl Parathion	0.04000	69	69	30-130	13-147	0	0-30	
Phorate	0.04000	76	78	30-130	13-147	2	0-30	
Ronnel	0.04000	68	67	30-130	13-147	1	0-30	
Stirophos	0.04000	65	60	30-130	13-147	7	0-30	
Tokuthion	0.04000	72	68	30-130	13-147	5	0-30	
Trichloronate	0.04000	70	68	30-130	13-147	2	0-30	

Total number of LCS compounds : 16

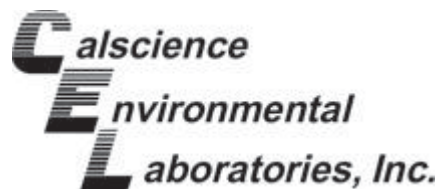
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1446
Preparation: EPA 5030C
Method: EPA 8260B

Project: Hidden Hills

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-14-001-7,133	Aqueous	GC/MS JJ	02/28/12	02/28/12	120228L01			
Parameter	SPIKE ADDED	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	101	102	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	108	108	66-138	54-150	1	0-20	
Chlorobenzene	50.00	99	99	80-120	73-127	0	0-20	
1,2-Dibromoethane	50.00	104	107	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	50.00	102	103	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	105	106	80-129	72-137	1	0-20	
1,1-Dichloroethene	50.00	103	104	71-131	61-141	1	0-20	
Ethylbenzene	50.00	103	105	80-123	73-130	1	0-20	
Toluene	50.00	101	101	79-121	72-128	1	0-20	
Trichloroethene	50.00	102	102	80-120	73-127	0	0-20	
Vinyl Chloride	50.00	111	113	70-136	59-147	1	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	106	111	72-126	63-135	5	0-22	

Total number of LCS compounds : 12

Total number of ME compounds : 0

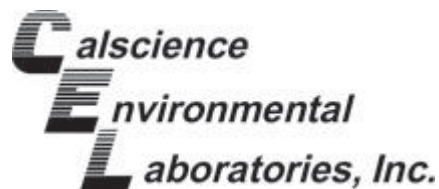
Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Cardno ENTRIX
201 North Calle Cesar Chavez, Suite 203
Santa Barbara, CA 93103-3256

Date Received: N/A
Work Order No: 12-02-1446

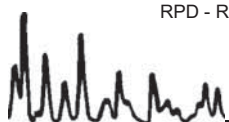
Project: Hidden Hills

Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> Sample ID	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>LCS %</u> <u>REC</u>	<u>LCSD %</u> <u>REC</u>	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qual</u>
Chloride	EPA 300.0	099-12-906-2,496	N/A	02/24/12	99	99	90-110	0	0-15	
Nitrate (as N)	EPA 300.0	099-12-906-2,496	N/A	02/24/12	100	100	90-110	0	0-15	
Sulfate	EPA 300.0	099-12-906-2,496	N/A	02/24/12	99	98	90-110	0	0-15	

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RPD - Relative Percent Difference , CL - Control Limit



Glossary of Terms and Qualifiers



Work Order Number: 12-02-1446

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

MPN - Most Probable Number



CLIENT PROJECT NAME / NUMBER:

Cardno ENTRIX

Tim Thompson

P.O. NO.:

Tim Thompson

201 N Calle Cesar Chavez Suite 203

LAB CONTACT OR QUOTE NO.:

CITY: STATE: ZIP:

Amanda Porter, Hidden Hills

City: Santa Barbara
State: CA
Zip: 93103

Hidden Hills

TEL:	FAX:	E-MAIL: adam.nonnor@car
------	------	-------------------------



CO

TURNAROUND TIME:

TURNAROUND TIME:

☐ SAME DAY
 ☐ 24 HR
 ☐ 48 HR
 ☐ 72 HR
 ☒ 5 DAYS
 ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)

☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSIS

~~n.oconnor@car
dno.com~~

LAB USE ONLY

12-02-1446

[illegible]

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1446

UPS Next Day Air®
UPS Worldwide Express®

Shipping Document

WEIGHT

LTR

PAK

WEIGHT

DIMENSIONAL
WEIGHT
If ApplicableLARGE
PACKAGESHIPPER
RELEASE
☐ EXPRESS
(INT'L)

☐ DOCUMENTS
ONLY

The shipper authorizes UPS to act as
forwarding agent for export control and
customs purposes.
The shipper certifies that these
commodities, technology or software
were exported from the United States in
accordance with the Export
Administration Regulations. Diversion
contrary to U.S. law is prohibited.

SATURDAY DELIVERY

SHIPMENT FROM

UPS
ACCOUNT
NO.

REFERENCE NUMBER

ADAM DONNOR 510 407 5583
CARDNO ENTRIX
7300 CLAYTON RD, #200
CONCORD, CA 94520

TELEPHONE

DELIVERY TO

TELEPHONE

AMANDA PORTER 714-895-5994
CAL SCIENCE LABS
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427

UPS Next Day Air®

J230 697 940 0

J230 697 940 0

TRACKING NUMBER

DATE OF SHIPMENT

010191120 1/10 S

United Parcel Service, Louisville, KY

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WORK ORDER #: 12-02-1446

SAMPLE RECEIPT FORMCooler 1 of 1CLIENT: Cardno EmbaseDATE: 02/24/12

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.4 °C - 0.3 °C (CF) = 3.1 °C ☒ Blank ☐ Sample☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.☐ Received at ambient temperature, placed on ice for transport by Courier.Ambient Temperature: ☐ Air ☐ FilterInitial: JS**CUSTODY SEALS INTACT:**☐ Cooler ☐ _____ ☐ No (Not Intact) ☒ Not Present ☐ N/AInitial: JS☐ Sample ☐ _____ ☐ No (Not Intact) ☒ Not PresentInitial: NS**SAMPLE CONDITION:**

Yes No N/A

Chain-Of-Custody (COC) document(s) received with samples..... ☒ ☐ ☐COC document(s) received complete..... ☒ ☐ ☐☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.Sampler's name indicated on COC..... ☒ ☐ ☐Sample container label(s) consistent with COC..... ☐ ☒ ☐Sample container(s) intact and good condition..... ☒ ☐ ☐Proper containers and sufficient volume for analyses requested..... ☒ ☐ ☐Analyses received within holding time..... ☒ ☐ ☐pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours... ☒ ☐ ☐Proper preservation noted on COC or sample container..... ☒ ☐ ☐☐ Unpreserved vials received for Volatiles analysisVolatile analysis container(s) free of headspace..... ☒ ☐ ☐Tedlar bag(s) free of condensation..... ☐ ☐ ☒**CONTAINER TYPE:**Solid: ☐ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (____) ☐ EnCores® ☐ TerraCores® ☐ _____Water: ☐ VOA ☒ VOA³h ☐ VOAna₂ ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☒ 1AGB³ ☐ 1AGBna₂ ☐ 1AGBs☐ 500AGB ☐ 500AGJ ☐ 500AGJs ☐ 250AGB ☐ 250CGB ☐ 250CGBs ☒ 1PB³ ☐ 1PBna ☐ 500PB☒ 250PB ☒ 250PBn² ☒ 125PB³ ☐ 125PBz₂na ☐ 100PJ ☐ 100PJna₂ ☒ 1PB⁴n ☐ _____ ☐ _____Air: ☐ Tedlar® ☐ Summa® Other: ☐ _____ Trip Blank Lot#: _____ Labeled/Checked by: NSContainer: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: NSCPreservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure z₂na: ZnAc₂+NaOH f: Filtered Scanned by: WSC

WORK ORDER #: 12-02-1446

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired – list sample ID(s) and test
- ☐ Insufficient quantities for analysis – list test
- ☐ Improper container(s) used – list test
- ☐ Improper preservative used – list test
- ☐ No preservative noted on COC or label – list test & notify lab
- ☐ Sample labels illegible – note test/container type
- ☒ Sample label(s) do not match COC – Note in comments
 - ☐ Sample ID
 - ☐ Date and/or Time Collected
 - ☐ Project Information
 - ☒ # of Container(s)
 - ☐ Analysis
- ☐ Sample container(s) compromised – Note in comments
 - ☐ Water present in sample container
 - ☐ Broken
- ☐ Sample container(s) not labeled
- ☐ Air sample container(s) compromised – Note in comments
 - ☐ Flat
 - ☐ Very low in volume
 - ☐ Leaking (Not transferred - duplicate bag submitted)
 - ☐ Leaking (transferred into Calscience Tedlar® Bag*)
 - ☐ Leaking (transferred into Client's Tedlar® Bag*)
- ☐ Other:

Comments:

(-1) received 19 containers instead of 20.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

[illegible]

Comments: _____

*Transferred at Client's request.

Initial / Date: *MS* 02/24/12

Work Order # 12-02-1446

One or more samples in this Work Order have tests that were subcontracted. The subcontract report(s) follows.

For subcontracted tests, please reference the laboratory information noted below.

1 DPRA/Zymax Forensics - Escondido,CA

Deuterium

Oxygen-18

2 Fruit Growers Laboratory, Inc. - Santa Paula,CA NELAP 01110CA

Radiochemistry

Dr. Yi Wang
 Director of ZymaX Forensics Isotope
 600 S. Andreasen Dr., Suite B
 Escondido, CA 92029
 Tel: 760.781.3338 ext 43
 Fax: 760.781.3339
 Cell: 609.721.2843
 Email: yi.wang@zymaxusa.com

REPORT OF ISOTOPE ANALYSES

Report Date: March 16th, 2012

Samples from Calscience Environ Labs (Amanda Porter) for δD and $\delta^{18}O$ (‰ VSMOW) isotope analysis

ZymaX ID	Sample ID	$\delta^{18}O$	δD	ZymaX ID	$\delta^{18}O$	δD
42559-1	Orchard Well	-13.3	-94.5	QC-01	-4.7	-35.9
				QC-02	-4.8	-35.3
				Mean	-4.8	-35.6
	Analytical precision (1 σ)	0.1	0.6	STDEV	0.1	0.4

ZYMAX FORENSICS ISOTOPE LABORATORY ANALYSES

Gas

^{13}C and D of C1 to C4; ^{13}C of CO_2 ; C-14 of Methane and CO_2 ; ^{34}S of H_2S ; ^{15}N and ^{18}O of N_2O gas

Oil, Extract, Fraction and Kerogen

Compound-Specific ^{13}C and D of MTBE, Chlorinated Solvents, PAH, Gasoline, Oil; Bulk ^{13}C , D/H, ^{34}S , and ^{15}N

Water

D and ^{18}O ; ^{34}S and ^{18}O of dissolved sulfate; ^{34}S of dissolved H_2S ; ^{37}Cl , ^{13}C and D of chlorinated solvents

^{15}N and ^{18}O of dissolved Nitrate; ^{15}N of Ammonia; ^{13}C of dissolved CO_2 and Carbonate/Bicarbonate

Soil and Minerals:

^{13}C , ^{15}N , ^{34}S , D/H, ^{18}O ; C-14 of carbonate or organics

CHAIN OF CUSTODY RECORD

DATE: 02/27/12

PAGE: 1 OF 1

TO: Zymax/ DPRA

600 S Andreasen Dr, Suite B
Escondido, CA

7440 LINCOLN WAY

GARDEN GROVE, CA 92841-1427

TEL: (714) 895-5494 . FAX: (714) 894-7501

Calscience
Environmental
Laboratories, Inc.

LABORATORY CLIENT:

Calscience Environmental Laboratories, Inc.

ADDRESS:

7440 Lincoln Way

CITY:

Garden Grove, CA 92841-1427

TEL:

(714) 895-5494

E-MAIL:

aporter@calscience.com

TURNAROUND TIME

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ NORMAL

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)

☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL / /

SPECIAL INSTRUCTIONS

CLIENT PROJECT NAME/NUMBER:

12-02-1446

PROJECT CONTACT:

Amanda Porter

SAMPLER(S): (PRINT)

P.O. NO.:

QUOTE NO.:

LAB USE ONLY

REQUESTED ANALYSIS

Deuterium
O18

X X

Zymax # 2559-1

SAMPLE ID

Matrix

#Cont

1

GW

12:45

02/23/12

Orchard Well

Relinquished by: (Signature)

Relinquished by: (Signature)

Relinquished by: (Signature)

Received by / Affiliation: (Signature)

Received by / Affiliation: (Signature)

Received by / Affiliation: (Signature)

Date: 2/27/12

Date: 2/27/12

Date: 2/27/12

Time: 5 pm

Time: 5 pm

Time: 5 pm

March 23, 2012

CalScience Environmental Laboratories
7440 Lincoln Way
Garden Grove, CA 92841-1432

Lab ID : SP 1201970
Customer : 2-17756

Laboratory Report

Introduction: This report package contains total of 4 pages divided into 3 sections:

Case Narrative (2 pages) : An overview of the work performed at FGL.
Sample Results (1 page) : Results for each sample submitted.
Quality Control (1 page) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
Orchard Well	02/23/2012	02/27/2012	SP 1201970-001	GW

Sampling and Receipt Information: The sample was received, prepared and analyzed within the method specified holding times. All samples arrived on ice. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC

900.0	03/06/2012:203616 All analysis quality controls are within established criteria
	03/05/2012:202451 All preparation quality controls are within established criteria
903.0	02/29/2012:203061 All analysis quality controls are within established criteria
	02/28/2012:202262 All preparation quality controls are within established criteria
908.0	03/23/2012:204273 All analysis quality controls are within established criteria
	03/19/2012:203017 All preparation quality controls are within established criteria
Ra - 05	03/06/2012:203354 All analysis quality controls are within established criteria
	03/01/2012:202307 All preparation quality controls are within established criteria

March 23, 2012

Calscience Environmental Laboratories

Lab ID : SP 1201970

Customer : 2-17756

Certification:: I certify that this data package is in compliance with NELAC standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Michel M. Franco, B.A.**

Digitally signed by Michel M. Franco, B.A.
Title: Radiochemistry Lab Manager
Date: 2012-03-23

March 23, 2012

Lab ID : SP 1201970-001

Customer ID : 2-17756

Calscience Environmental Laboratories

7440 Lincoln Way

Garden Grove, CA 92841-1432

Sampled On : February 23, 2012-12:45

Sampled By : Not Available

Received On : February 27, 2012-13:26

Matrix : Ground Water

Description : Orchard Well

Project : 12-02-1446

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry^{P-1}								
Gross Alpha	3.45 ± 1.27	0.849	pCi/L	15/5	900.0	03/05/12-19:00 2P1202451	900.0	03/06/12-17:50 2A1203616
Gross Beta	0.000 ± 0.714	0.913	pCi/L	50	900.0	03/05/12-19:00 2P1202451	900.0	03/06/12-17:50 2A1203616
Total Alpha Radium (226)	0.000 ± 0.335	0.439	pCi/L	3	903.0	02/28/12-21:00 2P1202262	903.0	02/29/12-09:00 2A1203061
Uranium	3.60 ± 1.13	0.473	pCi/L	20	908.0	03/19/12-18:00 2P1203017	908.0	03/23/12-14:15 2A1204273
Ra 228	0.000 ± 0.387	0.205	pCi/L	2	Ra - 05	03/01/12-16:30 2P1202307	Ra - 05	03/06/12-20:30 2A1203354

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: N/A * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.

MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).

AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following

If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:

Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L

Uranium is less than or equal to 20 pCi/L

Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

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March 23, 2012
Calscience Environmental Laboratories

Lab ID : SP 1201970
Customer : 2-17756

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	03/06/12:203616FHH	CCV CCB	cpm cpm	9879	42.6 % 0.100	41 - 50 0.16	
Beta	900.0	03/06/12:203616FHH	CCV CCB	cpm cpm	9879	96.3 % 0.3200	89 - 109 0.59	
Gross Alpha	900.0	03/05/12:202451JMB (SP 1201970-001)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	155.2 155.2 155.2 155.2	0.29 104 % 137 % 126 % 8.0%	3 75-125 60-140 60-140 ≤30	
Gross Beta	900.0	03/05/12:202451JMB (SP 1201970-001)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	90.87 90.87 90.87 90.87 155.2	0.45 108 % 114 % 120 % 5.2%	4 75-125 80-130 80-130 ≤30	
Alpha	903.0	02/29/12:203061fhh	CCV CCB	cpm cpm	9885	41.2 % 0.0600	39 - 48 0.15	
Total Alpha Radium (226)	903.0	02/28/12:202262FHH	RgBlk LCS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	35.69 35.69 35.69 35.69 35.69	0.15 80.9 % 94.3 % 99.5 % 5.4%	2 52-107 43-111 43-111 ≤35.5	
Alpha	908.0	03/23/12:204273mmf	CCV CCB	cpm cpm	9865	40.6 % 0.0800	39 - 48 0.15	
Uranium	908.0	03/19/12:203017FHH	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	20.86 20.86 20.86 20.86 20.86	0.03 96.5 % 90.0 % 94.5 % 4.9%	1 54-105 75-125 75-125 ≤20	
Beta	Ra - 05	03/06/12:203354emv	CCV CCB	cpm cpm	10320	89.2 % 0.2000	85 - 104 0.59	
Ra 228	Ra - 05	03/01/12:202307emv	RgBlk LRS BS BSD BSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	63.93 63.93 63.93 63.93 63.93	0.06 56.9 % 94.6 % 96.2 % 1.6%	3 27-59 75-125 75-125 ≤25	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.



Chương IV

Santa Paula - Condition Upon Receipt (Attach to COC)**Sample Receipt:**

- Number of ice chests/packages received:
Note as OTC if received over the counter unpackaged.
- Were samples received in a chilled condition? Temps: 40 / 40 / 40 / 40 / 40
Acceptable is 2° to 6° C. Also acceptable is received on ice (ROI) for the same day of sampling or received at room temperature (RRT) if sampled within one hour of receipt. Client contact for temperature failures must be documented below. If many packages are received at one time check for tests/H.T.'s/rushes/Bacti's to prioritize further review. Please notify Microbiology personnel immediately of bacti samples received.
- Do the number of bottles received agree with the COC? Yes No N/A
- Were samples received intact? (i.e. no broken bottles, leaks etc.) Yes No
- Were sample custody seals intact? N/A Yes No

Sign and date the COC, obtain LIMS sample numbers, select methods/tests and print labels.

Sample Verification, Labeling and Distribution:

- Were all requested analyses understood and acceptable? Yes No
- Did bottle labels correspond with the client's ID's? Yes No
- Were all bottles requiring sample preservation properly preserved? Yes No N/A FGL
- VOAs checked for Headspace? Yes No N/A
- Were all analyses within holding times at time of receipt? Yes No
- Have rush or project due dates been checked and accepted? N/A Yes No

Attach labels to the containers and include a copy of the COC for lab delivery.

Sample Receipt, Login and Verification completed by (initials): [Signature]

Discrepancy Documentation:

Any items above which are "No" or do not meet specifications (i.e. temps) must be resolved.

- Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____

Resolution: _____

- Person Contacted: _____ Phone Number: _____
Initiated By: _____ Date: _____
Problem: _____

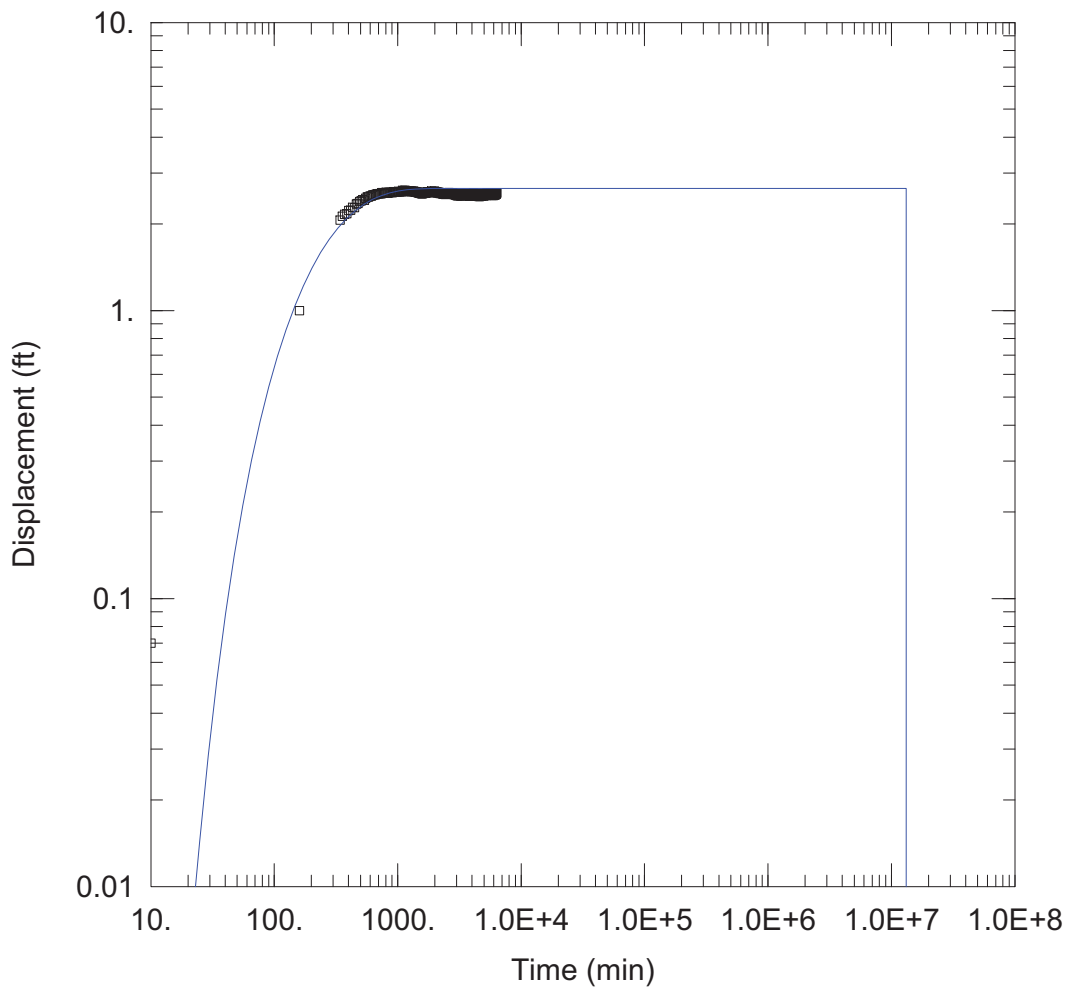
Resolution: _____

(2-17756)
Calscience Environmental Laboratories

SP 1201970

SRP-02/27/2012-15:40:10

Aquifer Analysis Graphs for HHSEGS Wells



WELL TEST ANALYSIS

Data Set: C:\Program Files\HydroSOLVE\AQTESOLV for Windows Pro 3.5\BSE MW1-25yr.aqt
 Date: 03/08/12 Time: 18:11:07

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
Orchard Well	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
□ MW1	200	0

SOLUTION

Aquifer Model: Leaky

Solution Method: Hantush-Jacob

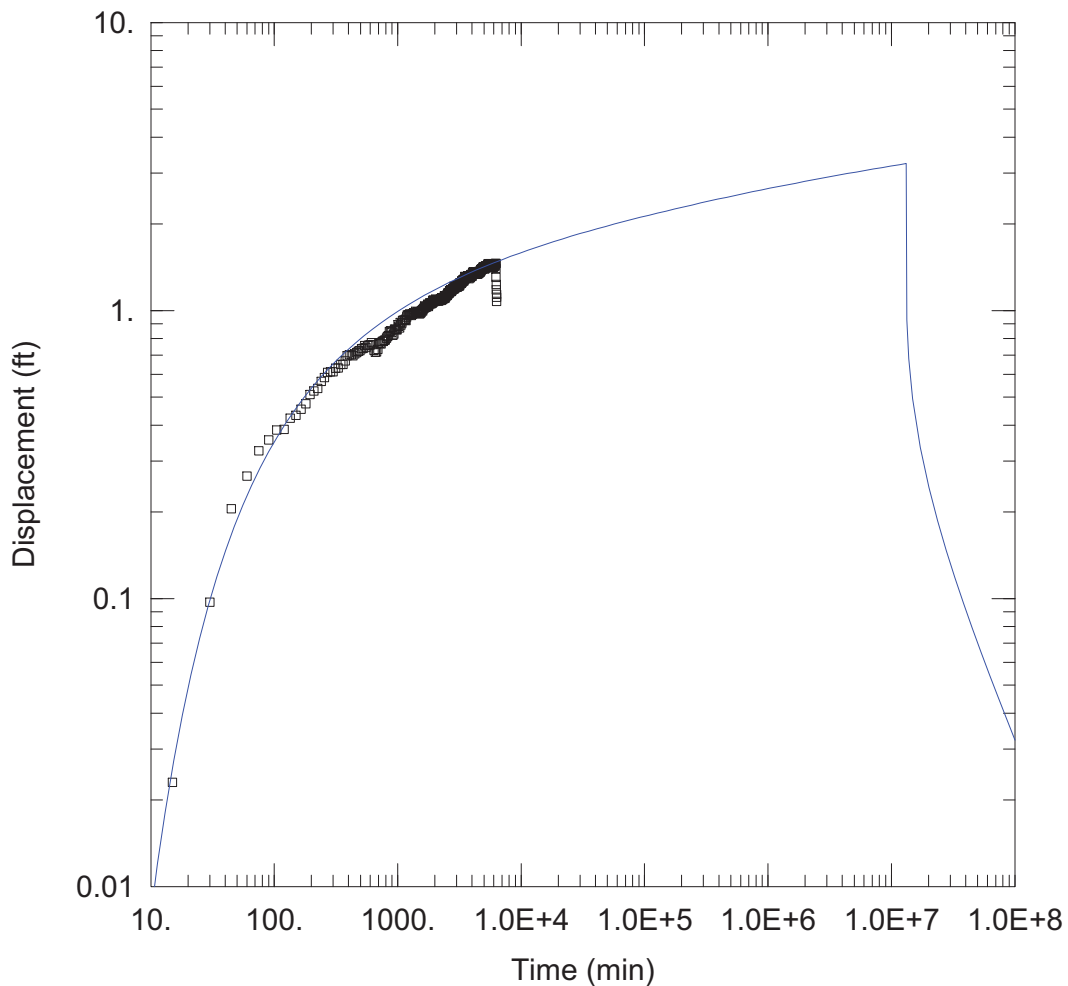
T = 1634.7 gal/day/ft

S = 0.001431

r/B = 1.

Kz/Kr = 0.1

b = 1000. ft



WELL TEST ANALYSIS

Data Set: C:\Program Files\HydroSOLVE\AQTESOLV for Windows Pro 3.5\BSE MW3 25yr.aqt
 Date: 03/08/12 Time: 18:12:45

AQUIFER DATA

Saturated Thickness: 1000. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
Well 3	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
□ MW3	200	0

SOLUTION

Aquifer Model: Leaky

Solution Method: Neuman-Witherspoon

T = 1.175E+4 gal/day/ft

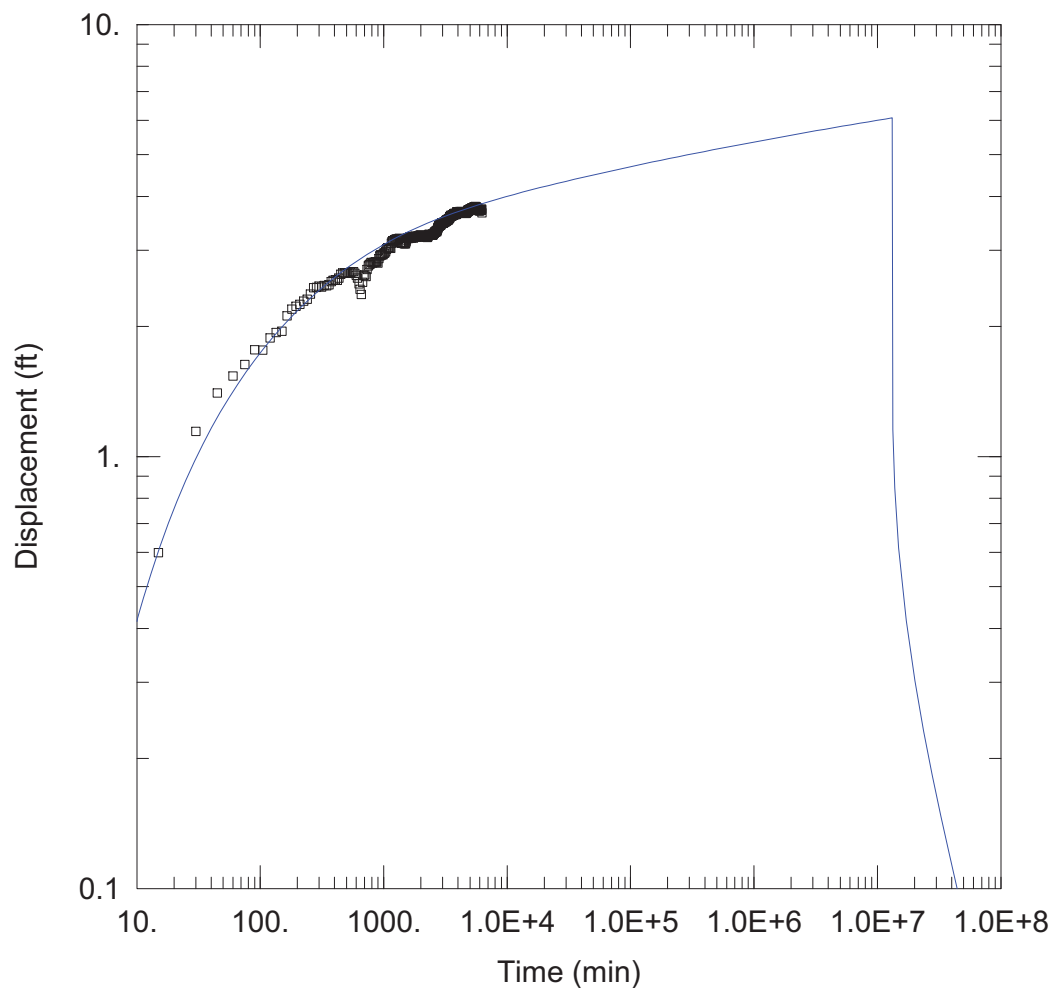
S = 0.002805

r/B = 0.1

β = 0.1

T' = 1.077E+4 gal/day/ft

S' = 0.001



WELL TEST ANALYSIS

Data Set: C:\Program Files\HydroSOLVE\AQTESOLV for Windows Pro 3.5\BSE MW4 25 yr.aqt
 Date: 03/08/12 Time: 18:13:58

AQUIFER DATA

Saturated Thickness: 1000. ft

Anisotropy Ratio (K_z/K_r): 0.1

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
Well 3	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
□ MW4	50	0

SOLUTION

Aquifer Model: Leaky

Solution Method: Neuman-Witherspoon

$T = 7342.1$ gal/day/ft

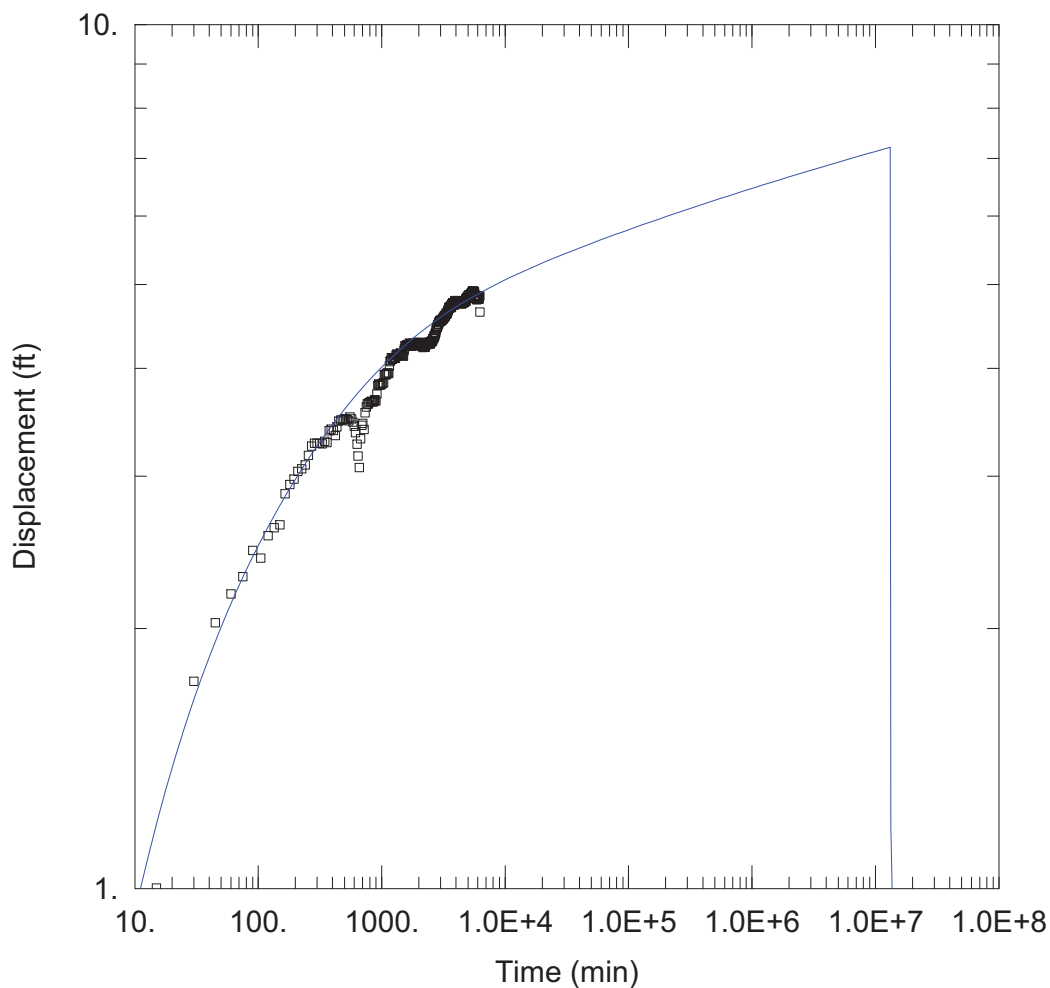
$S = 0.005166$

$r/B = 0.1$

$\beta = 0.001$

$T' = 1.077E+4$ gal/day/ft

$S' = 0.001$



WELL TEST ANALYSIS

Data Set: C:\Program Files\HydroSOLVE\AQTESOLV for Windows Pro 3.5\BSE MW5 25yr.aqt

Date: 03/08/12

Time: 18:15:07

AQUIFER DATA

Saturated Thickness: 1000. ft

Anisotropy Ratio (K_z/K_r): 0.1

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
Well 3	0	0

Observation Wells

Well Name	X (ft)	Y (ft)
□ MW5	25	0

SOLUTION

Aquifer Model: Leaky

Solution Method: Neuman-Witherspoon

$T = 6983.7$ gal/day/ft

$S = 0.007826$

$r/B = 0.05$

$\beta = 0.001$

$T' = 1.077E+4$ gal/day/ft

$S' = 0.001$



Down to Earth.
Down to Business.™





**BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
COMMISSION OF THE STATE OF CALIFORNIA
1516 NINTH STREET, SACRAMENTO, CA 95814
1-800-822-6228 – WWW.ENERGY.CA.GOV**

**APPLICATION FOR CERTIFICATION
FOR THE *HIDDEN HILLS SOLAR ELECTRIC
GENERATING SYSTEM***

DOCKET NO. 11-AFC-2

**PROOF OF SERVICE
(Revised 3/22/2012)**

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DECLARATION OF SERVICE

I, Mary Finn, declare that on March 30, 2012, I served and filed copies of the attached Hidden Hills SEGS Data Response, Set 2A-3, dated March 30, 2012. This document is accompanied by the most recent Proof of Service list, located on the web page for this project at: www.energy.ca.gov/sitingcases/hiddenhills/index.html.

The document has been sent to the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit or Chief Counsel, as appropriate, in the following manner:

(Check all that Apply)

For service to all other parties:

- ☒ Served electronically to all e-mail addresses on the Proof of Service list;
- ☐ Served by delivering on this date, either personally, or for mailing with the U.S. Postal Service with first-class postage thereon fully prepaid, to the name and address of the person served, for mailing that same day in the ordinary course of business; that the envelope was sealed and placed for collection and mailing on that date to those addresses **NOT** marked "e-mail preferred."

AND

For filing with the Docket Unit at the Energy Commission:

- ☒ by sending an electronic copy to the e-mail address below (preferred method); **OR**
- ☐ by depositing an original and 12 paper copies in the mail with the U.S. Postal Service with first class postage thereon fully prepaid, as follows:

CALIFORNIA ENERGY COMMISSION – DOCKET UNIT

Attn: Docket No. 11-AFC-2
1516 Ninth Street, MS-4
Sacramento, CA 95814-5512
docket@energy.state.ca.us

OR, if filing a Petition for Reconsideration of Decision or Order pursuant to Title 20, § 1720:

- ☐ Served by delivering on this date one electronic copy by e-mail, and an original paper copy to the Chief Counsel at the following address, either personally, or for mailing with the U.S. Postal Service with first class postage thereon fully prepaid:

California Energy Commission
Michael J. Levy, Chief Counsel
1516 Ninth Street MS-14
Sacramento, CA 95814
mlevy@energy.state.ca.us

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, that I am employed in the county where this mailing occurred, and that I am over the age of 18 years and not a party to the proceeding.



Mary Finn
CH2M Hill