APPENDIX L

Radius of Influence Test Report

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ACRONYMS AND ABBREVIATIONS

°F	degrees Fahrenheit
-inWC	negative inches of water column (vacuum pressure)
3D	three-dimensional
AFB	Air Force Base
BFF	Bulk Fuels Facility
bgs	below ground surface
CO	carbon monoxide
CO_2	carbon dioxide
ft	foot (feet)
H_2S	hydrogen sulfide
ID	identification
inWC	inches of water column
KAFB	Kirtland Air Force Base
LEL	lower explosive limit
O_2	oxygen
ppm	parts per million
ROI	radius of influence
RSI	Remediation Service International
scfm	standard cubic feet per minute
SVE	soil vapor extraction

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1. INTRODUCTION

Radius of Influence (ROI) testing commenced on November 2 and was completed on December 16, 2011. Five single-well tests and three 5-day tests were performed to provide detailed, site-specific information to aid in the quantitative assessment and modeling of soil vapor extraction (SVE) vadose zone remediation and subsequent optimization of the existing system. SVE monitoring, which began on April 30, 2012, provides data that supplement understanding of the ROI at the Kirtland Air Force Base (AFB) Bulk Fuels Facility (BFF) Spill site.

Data were collected to be incorporated into the three-dimensional (3D) analysis of remediation prospects for the vadose zone contamination using existing SVE wells and Remediation Service International (RSI) SVE units. This analysis involves vapor concentration distribution, lithology, and 3D numerical modeling of vapor flow. The ongoing quarterly field and analytical vapor concentration monitoring data for existing soil vapor monitoring and extraction wells will be used as input chemical data for the analysis. The collected data will also be used to design a more effective SVE system.

2. PROCEDURE

All operating SVE units were shut down for one month prior to the start of testing to allow the system to equilibrate. Single-well tests were performed on five potential SVE wells, and three 5-day tests were conducted using the selected SVE wells (Figure L-1). A summary of the tests performed, including dates and the list of monitoring wells, is presented in Table L-1.

Test nomenclature is as follows:

- Test types were designated with "SWT" for single-well tests and "5DT" for five-day tests.
- Well identification (ID) follows the test type.
- Extraction well depth is designated where the well ID is assigned to multiple wells of different depths in a cluster.

For instance, the single-well test at the 450-foot (ft) depth well of cluster KAFB-106121 is designated "SWTKAFB106121-450," and the five-day test using SVEW-05 as the extraction well is designated "5DTSVEW-05."

RSI SVE Unit 335 was configured for use as a mobile unit for tests using KAFB-106121-450, KAFB-106117-450, and KAFB-106149-484 as extraction wells. This configuration consisted of having propane available at the various test locations and using hoses to connect the RSI unit to specific extraction wells. The unit was used to complete both the single-well and five-day tests at KAFB-106121-450 and then moved, along with the propane tank, to a location adjacent to both wells KAFB-106117-450 and KAFB-106149-484, where it was used to complete all tests at those wells. RSI SVE Unit 249 was used for all tests at wells SVEW-01 and SVEW-05 as it is already in place to monitor these locations. All data for these tests are field measurements; no samples were collected.

A test wellhead was constructed for use with RSI SVE Unit 249 (Figure L-2). The wellhead is a 4-inch-diameter, 11.7-ft-long, polyvinyl chloride pipe attached by a 90-degree bend to a well seal and equipped with a port into which the hot-wire anemometer and the Horiba Mexa-584L probe (when vapor does not require dilution) can be inserted; a port from which vacuum pressure can be read and vapor collected for dilution when required; and a pressure gauge reading inches of mercury.

Extraction wells SVEW-01 and SVEW-05, together with the remainder of wells SVEW-01 through SVEW-09, are connected to a wellhead manifold setup that was in place prior to ROI testing (Figure L-3), each equipped with a valve sampling port from which vacuum pressure can be read and vapor collected for dilution when required, as well as a port into which the hot-wire anemometer and Horiba Mexa-584L probe can be inserted (when vapor does not require dilution). Vapor dilution is required when total hydrocarbons reach or exceed 8,000 parts per million (ppm).

2.1 Single-Well Tests

Each of the five potential SVE wells proposed for ROI testing was tested to determine well flow characteristics. At the beginning of each test, the RSI SVE unit was started and connected to the wellhead to begin extraction.

Flow and vacuum were measured every 30 minutes from the start of the test until 1100, and then hourly until 1600. Flow, velocity, and temperature were measured using a Dwyer® hot-wire anemometer with the probe positioned at the center of the pipe perpendicular to air flow direction. Vacuum was measured using a Magnehelic® pressure gauge of the most appropriate available range reading inches water column (inWC). The gauge ranges available are 0 to 1, 0 to 2, 0 to 4, 0 to 20 and 0 to 60 inWC. When vacuum pressure exceeded 60 negative inWC (–inWC), the reading was obtained from the RSI SVE units. Magnehelic® pressure gauges are equipped with positive and negative ports to read both positive and vacuum pressures.

Vapor measurements were taken hourly from the start of the test until 1600. A Horiba Mexa-584L was used to measure carbon monoxide (CO), carbon dioxide (CO_2), oxygen (O_2) and total hydrocarbons. Vacuum pressures for all other well depths in the cluster containing the extraction well were measured every 30 minutes from the start of the test until 1100, and then hourly until 1600. Magnehelic® pressure gauges with readings in the most appropriate available range for inWC were used to measure vacuum

pressure. Vacuum pressure was recorded as a positive value, and positive pressure was recorded as a negative value (i.e., a negative vacuum pressure).

After the readings scheduled for 1600 were obtained, the RSI SVE unit was shut off, and engine data for the duration of the test was downloaded from the RSI SVE unit. After the field and engine data were collected, plots of the test data over time were prepared. Results for the single-well tests were used to select extraction wells for the five-day tests.

2.2 Five-Day Tests

Three 5-day tests were performed to determine the vertical and horizontal ROI. Extraction wells were selected for these tests based on the results for the single-well tests. The wells selected were KAFB-106121-450, SVEW-05 and KAFB-106149-484. Table L-1 shows the monitoring wells selected for each test. At the beginning of each test, the RSI SVE unit was started and connected to the wellhead to begin extraction.

On the first day of the test, all monitoring and extraction well readings were obtained hourly. For test 5DTKAFB106149-484, readings were taken approximately every 90 minutes, as there were more wells than could be monitored in an hour. On the second and third days, all readings were obtained twice daily, and on the fourth and fifth days, readings were obtained once daily.

Flow and vacuum measurements for the extraction well were obtained using the same procedures as described in Section 2.1. Vacuum pressure for monitoring wells were obtained using Magnehelic® pressure gauges with readings in the appropriate ranges for test 5DTKAFB106121-450 and a Dwyer® digital manometer for tests 5DTSVEW-05 and 5DTKAFB106149-484. Vacuum pressure was recorded as a positive value, and positive pressure was recorded as a negative value (i.e., a negative vacuum pressure).

Vapor measurements were obtained using the same procedures as described in Section 2.1. For test 5DTKAFB106149-484, an Orion® 4-gas meter was used to measure hydrogen sulfide (H_2S) and percent lower explosive limit (LEL) of vapors from the extraction well. The RSI SVE unit was shut down following the measurements taken on the fifth morning to end the test.

The data for all three tests were evaluated to aid in determining the horizontal and vertical ROI using 3D methods for analysis of the data. These data will be used to determine how to optimize SVE at the BFF Spill site.

2.3 SVE Monitoring

SVE monitoring began on April 30, 2012, and is ongoing. Figure L-4 shows the location of monitoring and extraction wells. Prior to starting the four RSI SVE engines, vacuum pressure was measured at all depths for all nine PneuLog® wells. After the RSI SVE units were turned on, vacuum pressure was recorded at all depths for all PneuLog® wells, with the exception of KAFB-106149-484, which is in use as an extraction well. Vacuum pressure was recorded daily for the first four days, three times per week for the next two weeks, two times per week for the following three weeks, and once per week thereafter.

Vacuum pressures were measured using a Dwyer® digital manometer. Vacuum pressure was recorded as a positive value, and positive pressure was recorded as a negative value (i.e., a negative vacuum pressure).

Engine recovery data are also collected as part of the SVE monitoring and include flow rate and vacuum pressure for the extraction wells, readings of total hydrocarbon concentrations, well flow rate, and total engine hours obtained from the RSI SVE unit control panel. These data will be used to aid in determining how to optimize SVE at the BFF Spill site.

RSI SVE Units have been extracting from wells KAFB-106160, KAFB-106161, KAFB-106149-484, SVEW-01, and SVEW-05 since they resumed operation on April 30, 2012. For the majority of this time period, each unit has had only one of two engines running.

3. DATA

All data for each test were compiled into a Microsoft® Excel spreadsheet, and plots prepared for all monitoring data over the duration of the test. Figures L-5 through L-14 present plots of vacuum pressure over time for the monitoring wells for each test; Figures L-15 through L-23 present plots of extraction well flow data over time for each test; and Figures L-24 through L-31 present plots of extraction well vapor data over time for each test.

Barometric pressure exerted a strong influence on the vacuum pressure of the monitoring wells. A high barometric pressure resulted in a high vacuum pressure, while a low barometric pressure resulted in a high positive pressure. Barometric pressure is plotted on Figures L-5 through L-14 along with the monitoring data. Table L-1 provides the distance in feet from the extraction well to each monitoring well for each test, and Table L-2 provides the distance in feet between each monitoring and extraction well used in SVE monitoring. For wells where the bottom of screen is at or beneath 150 ft below ground surface (bgs), the barometric effect was extremely pronounced. For wells where the bottom of screen is above 150 ft bgs, although the barometric effect was noticeable, fluctuations in pressure were much less.

3.1 Single-Well Tests

Single-well tests were performed according to the procedures described in Section 2.1.

3.1.1 SWTKAFB106121-450

RSI SVE Unit 335 was used to extract soil vapor from KAFB-106121-450 for 8 hours during ROI test SWTKAFB106121-450. All manual data collected for ROI test SWTKAFB106121-450 are presented in Table L-3.

During extraction, vacuum pressure was monitored for all other well depths at well cluster KAFB-106121. These depths were 25, 50, 145, 250, and 350 ft bgs. Monitoring and barometric pressures for the duration of the test are plotted on Figure L-5.

Extraction well flow data for the duration of ROI test SWTKAFB106121-450 are plotted on Figure L-15. After the first 90 minutes of testing, the vacuum pressure exerted by the RSI SVE unit on the well stabilized at 20 –inWC. Volumetric flow rose from 50 to 90 standard cubic feet per minute (scfm) over the duration of the test, while temperature varied from approximately 50 degrees Fahrenheit (°F) early in the day to 65°F by the end of the test.

Extraction well vapor data for the duration of ROI test SWTKAFB106121-450 are plotted on Figure L-24. The concentration of CO remained at 0% for the duration of the test. Concentrations of CO_2 varied between 0.34 and 0.56%. Concentrations of O_2 varied between 17.31 and 18.55%. Total hydrocarbon concentrations, as measured by the Horiba Mexa-584L, ranged from 3,030 to 4,590 ppm.

3.1.2 SWTSVEW-01

RSI SVE Unit 249 was used to extract soil vapor from SVEW-01 for 8 hours during ROI test SWTSVEW-01. All manual data collected for this test are presented in Table L-4.

During extraction, vacuum pressure was monitored for wells SVEW-02 through SVEW-09. Depths of these wells range from 60 to 460 ft bgs (Table L-4). Monitoring and barometric pressures for the duration of the test are plotted on Figure L-6.

Extraction well flow data for the duration of ROI test SWTSVEW-01 are plotted on Figure L-16. Vacuum pressure exerted by the RSI SVE unit on the well ranged from 32 to 35 –inWC for the duration of the test, with the exception of a value of 14 –inWC shortly after one of the RSI SVE Unit 249 engines was found turned off. Air flow velocity of the vapor was out of range of the hot-wire anemometer. Consequently, volumetric flow was obtained directly from the engine readouts. Volumetric flow from the extraction well ranged from 70 to 80 scfm for the duration of the test. The temperature rose from approximately 52 to 78°F by the end of the test.

Extraction well vapor data for the duration of ROI test SWTSVEW-01 are plotted on Figure L-25. Total hydrocarbon concentrations necessitated vapors being diluted 10 times (10X) prior to taking measurements. The concentration of CO remained at 0% for the duration of the test. Concentrations of CO_2 varied between 0.26 and 0.66%, and concentrations of O_2 varied between 20.09 and 20.38%. Total hydrocarbon concentrations ranged from 6,060 to 14,240 ppm.

3.1.3 SWTSVEW-05

RSI SVE Unit 249 was used to extract soil vapor from SVEW-05 for 8 hours during ROI test SWTSVEW-05. All manual data collected for this test are presented in Table L-5.

During extraction, vacuum pressure was monitored for wells SVEW-01 through SVEW-04 and SVEW-06 through SVEW-09. Depths of these wells range from 60 to 460 ft bgs (Table L-5). Monitoring and barometric pressures for the duration of the test are plotted on Figure L-7.

Extraction well flow data for the duration of ROI test SWTSVEW-05 are plotted on Figure L-17. Vacuum pressure exerted by the RSI SVE unit on the well exceeded 60 –inWC, which is the highest reading possible of the available Magnehelic® pressure gauges. Consequently, vacuum pressure was obtained directly from the engine readouts and ranged from 90 to 110 –inWC. Air flow velocity of the vapor was out of range of the hot-wire anemometer. Consequently, volumetric flow was obtained directly from the engine readouts. Volumetric flow ranged from 45 to 55 scfm for the duration of the test. The temperature rose from approximately 44 to 64°F by the end of the test.

Extraction well vapor data for the duration of the ROI test SWTSVEW-05 are plotted on Figure L-26. Because of the high air flow velocity, vapor was collected in a sample bag before measurements were obtained. The concentration of CO remained at 0% for the duration of the test. Concentrations of CO_2 varied between 1.42 and 3.3%, and concentrations of O_2 varied between 16.05 and 18.52%. Total hydrocarbon concentrations ranged from 1,370 to 2,360 ppm.

3.1.4 SWTKAFB106117-450

RSI SVE Unit 335 was used to extract soil vapor from KAFB-106117-450 for 8 hours during ROI test SWTKAFB106117-450. All manual data collected for this test are presented in Table L-6.

During extraction, vacuum pressure was monitored at all other well depths in well cluster KAFB-106117. These depths were 25, 50, 145, 250, and 350 ft bgs. Monitoring and barometric pressures for the duration of the test are plotted on Figure L-8.

Extraction well flow data for the duration of ROI test SWTKAFB106117-450 are plotted on Figure L-19. Vacuum pressure exerted by the RSI SVE unit on the well increased from 11.5 to 19.5 -inWC over the duration of the test. Volumetric flow increased from 39 to 85 scfm over the first 4 hours of the test, and

then fluctuated between 74 and 86 scfm for the remainder of the test. The temperature ranged from 59 to 68°F.

Extraction well vapor data for the duration of the ROI test SWTKAFB106117-450 are plotted on Figure L-27. Total hydrocarbon concentrations necessitated vapors to be diluted 10X prior to taking measurements. The concentration of CO remained at 0% for the duration of the test. Concentrations of CO_2 varied between 0.14 to 0.19%, and concentrations of O_2 varied between 20.33 and 21.2%. Total hydrocarbon concentrations ranged from 20,900 to 33,600 ppm.

3.1.5 SWTKAFB106149-484

RSI SVE Unit 335 was used to extract soil vapor from KAFB-106149-484 for 8 hours during ROI test SWTKAFB106149-484. All manual data collected for this test are presented in Table L-7.

During extraction, vacuum pressure was monitored at all other well depths in well cluster KAFB-106149. These depths were 349 and 194 ft bgs. Monitoring and barometric pressures for the duration of the test are plotted on Figure L-9.

Extraction well flow data for the duration of ROI test SWTKAFB106149-484 are plotted on Figure L-19. Vacuum pressure exerted by the RSI SVE unit on the well increased from 3.3 to 6.5 –inWC over the first 1.5 hours of the test, at which point one of the hoses connected to the RSI SVE unit was secured more tightly. For the remainder of the test, vacuum ranged from 14 to 24 –inWC. Volumetric flow ranged from 45 to 54 scfm for the first 1.5 hours of the test, and then from 104 to 130 scfm after the hose was secured. The temperature varied between 56.1 and 67.2°F over the duration of the test.

Extraction well vapor data for the duration of ROI test SWTKAFB106149-484 are plotted on Figure L-28. Total hydrocarbon concentrations necessitated vapors to be diluted 10X prior to taking

measurements. The concentration of CO remained at 0% for the duration of the test. Concentrations of CO_2 concentration varied between 0.18 and 0.3%, and concentrations of O_2 varied between 20.25 and 20.61%. Total hydrocarbon concentrations ranged from 9,200 to 16,120 ppm.

3.2 Five-Day Tests

Five-day tests were conducted in accordance with the procedures described in Section 2.2.

3.2.1 5DTKAFB106121-450

RSI SVE Unit 335 was used to extract soil vapor from KAFB-106121-450 for approximately 96 hours during ROI test 5DTKAFB106121-450. All manual data collected for this test are presented in Table L-8.

A list of wells monitored for ROI test 5DTKAFB106121-450 is provided in Table L-1. All depths were monitored in each well cluster, and ranged from 20 to 450 ft bgs (Table L-8). Vacuum and barometric pressures for the duration of the test are plotted on Figure L-10.

Extraction well flow data for the duration of ROI test 5DTKAFB106121-450 are plotted on Figure L-20. After the first hour, vacuum pressure exerted by the RSI SVE unit on the well varied between 13.5 and 24 –inWC for the duration of the test. With the exception of one flow reading of 20 scfm, volumetric flow ranged from 55 to 83 scfm. The temperature varied between 57 and 65.2°F over the duration of the test.

Extraction well vapor data for the duration of ROI test 5DTKAFB106121-450 are plotted on Figure L-29. The concentration of CO remained at 0% for the duration of the test. Concentrations of CO_2 varied between 0.52 and 0.6%, and concentrations of O_2 varied between 17.24 and 17.41%. Total hydrocarbon concentrations ranged from 4,050 to 4,660 ppm.

3.2.2 5DTSVEW-05

RSI SVE Unit 249 was used to extract soil vapor from SVEW-05 for approximately 96 hours during ROI test 5DTSVEW-05. All manual data collected for this test are presented in Table L-9.

A list of wells monitored for ROI test 5DTSVEW-05 is provided in Table L-1. All depths were monitored within each well cluster and ranged from 25 to 450 ft bgs (Table L-9). Vacuum and barometric pressures for the duration of the test are plotted on Figure L-11.

Extraction well flow data for the duration of ROI test 5DTSVEW-05 are plotted on Figure L-21. Vacuum pressure recorded was the average of the vacuum pressures obtained from the two engines on RSI SVE Unit 249, as the pressure was frequently out of range of the Magnehelic® pressure gauges available. Vacuum pressure exerted by the RSI SVE unit on the well ranged from 46 to 106 –inWC over the duration of the test, with the exception of one vacuum pressure reading of 19 –inWC shortly after the valves to the RSI SVE Unit 249 were closed to drain condensate. Volumetric flow ranged from 63 to 312 scfm and temperature varied between 40.4 and 55.5°F over the test period.

Extraction well vapor data for the duration of ROI test 5DTSVEW-05 are plotted on Figure L-30. After the first two readings during which vapors were collected in a sample bag, vapor data were measured directly from the sampling port on the wellhead. The concentration of CO remained at 0% for the duration of the test. Concentrations of CO_2 varied from 1.76 to 3.86%, and concentrations of O_2 ranged from 12.87 to 18.08%. Total hydrocarbon concentrations ranged from 2,270 to 6,270 ppm after the first two readings.

3.2.3 5DTKAFB106149-484

RSI SVE Unit 335 was used to extract soil vapor from KAFB-106149-484 for approximately 96 hours during ROI test 5DTKAFB106149-484. All manual data collected for this test are presented in Table L-10.

A list of wells monitored for ROI test 5DTKAFB106149-484 is provided in Table L-1. All depths were monitored within each well cluster and ranged from 20 to 450 ft bgs (Table L-10). Vacuum and barometric pressures for the duration of the test are plotted on Figure L-12.

Extraction well flow data for the duration of ROI test 5DTKAFB106149-484 are plotted on Figure L-22. Vacuum pressure exerted by the RSI SVE unit on the well varied from 12.5 to 16.5 –inWC over the duration of the test. Volumetric flow ranged from 38.9 to 69.8 scfm, and temperature varied between 40 and 56.2°F.

Extraction well vapor data for the duration of ROI test 5DTKAFB106149-484 are plotted on Figure L-31. Total hydrocarbon concentrations necessitated vapors to be diluted 10X prior to taking measurements. The concentration of CO remained at 0% for the duration of the test. Concentrations of CO_2 varied from 0.28 to 0.48%, and concentrations of O_2 ranged from 19.88 to 20.52%. Total hydrocarbon concentrations ranged from 14,650 to 23,800 ppm. In addition, concentrations of H_2S and percent LEL were measured during this test. H_2S concentrations remained at 0% for the duration of the tests, and percent LEL was greater than 100% when the vapor collected was unable to mix with fresh air prior to measurements.

3.3 Ambient Monitoring

Following ROI test 5DTKAFB106121-450, vacuum pressures for all monitoring wells used for this test were monitored for one week. Data collected for this period are presented in Table L-11. Vacuum and barometric pressures are plotted on Figure L-13.

3.4 SVE Monitoring

SVE monitoring commenced on April 30, 2012, and is ongoing. RSI SVE Unit 249 is used to extract soil vapor from SVEW-01 and SVEW-05; RSI SVE Unit 335 is used to extract soil vapor from KAFB-106149-484; RSI SVE Unit 344 is used to extract soil vapor from KAFB-106161; and RSI SVE Unit 345 is used to extract soil vapor from KAFB-106160. All manual data collected for this monitoring are presented in Table L-12.

A list of extraction and monitoring wells, as well as the distances from each other, is presented in Table L-2. Vacuum and barometric pressures obtained since the beginning of SVE monitoring are plotted on Figure L-14. Extraction well flow data since the beginning of SVE monitoring are plotted on Figure L-23.

4. RESULTS

4.1 Data Analysis

Data collected during the ROI tests and SVE monitoring are overprinted by the vadose zone's response to changes in barometric pressure at the BFF Spill site. As the barometric pressure increases, vacuum pressure in the wells screened in the vadose zone increases. This effect is particularly pronounced for wells in the deeper parts of the vadose zone, which cannot equilibrate with the atmosphere as readily as the wells in the shallower parts. Consequently, the barometric pressure had a much stronger effect on vacuum pressure in the observation wells than it did for the SVE by the RSI SVE units (Figures L-9 through L-12).

To determine the ROI for each extraction well, the effect of the barometric pressure was removed from the data. Hourly barometric pressure is available for download from a weather station located at the Albuquerque International Sunport, which is adjacent to Kirtland AFB.

First, the barometric efficiency of the monitoring wells was determined. Barometric efficiency is a measurement of how vacuum pressure in a well responds to a change in barometric pressure and is calculated by dividing the change in vacuum pressure by the change in barometric pressure for a given period of time. Vacuum pressure was observed at seven individual 450-ft-depth wells during times when RSE SVE units were turned off. For KAFB-106121-450, data were also used for times during which RSI SVE units were running for tests 5DTSVEW-05 and 5DTKAFB106149-450. KAFB-106121-450 is located more than 600 ft from the extraction wells SVEW-05 and KAFB-106149-450 used for those two tests, and therefore it is well outside the anticipated ROI. The vacuum pressure in KAFB-106121-450 can be assumed to be responding only to changes in barometric pressure during those two tests.

For each of the seven observation wells, the vacuum pressure was plotted against barometric pressure and a best-fit line was matched to each. Correlation coefficients of the data to the best-fit lines range from r = 0.0871 to 0.996, indicating a very good match to the data. The slope of the best-fit line is the calculated barometric efficiency. Slopes range from -0.7 to -0.8, indicating that the barometric efficiency is quite consistent across the BFF at 450 ft bgs (Figure L-32). Observation well KAFB-106121-450 had 17 data points, while the other wells had only 4 or 5 each. The greater number of data points means that the results for KAFB-106121-450 are more meaningful than the results for the other wells. Calculated barometric efficiency at KAFB-106121-450 is -0.7 with a correlation coefficient of r = 0.952. Because this well had significantly more data points than the other wells, is a good fit to the data, and has a result similar to the remaining six wells, the barometric efficiency calculated here was chosen to apply across the BFF for the 450-ft depth.

Next, a vacuum pressure at a chosen mid-point for each round was estimated using the observed vacuum pressures and the calculated barometric efficiency. During each monitoring round, the vacuum pressure for each monitoring well was measured once. Depending on the locations and number of wells selected as monitoring wells for each test, this could take anywhere from 30 to 90 minutes. Because the

barometric pressure was changing rapidly during some periods of testing, it was necessary to estimate a vacuum pressure at a mid-point time for each round to accurately compare the responses of the monitoring wells. The vacuum pressure for each well was interpolated or extrapolated for the chosen mid-point time for each round using the methods described in the following sections.

4.1.1 Interpolation

Where a well was monitored within two hours before and after the selected mid-round time, the vacuum pressure at that time was interpolated. This was the case for measurements taken on Day One of each ROI test, with the exception of wells monitored during the first round after the mid-round time and wells monitored during the last round prior to the mid-round time. Interpolation was performed using the following equation:

$$P_{t_m} = \frac{P_{t_1} - P_{t_0}}{t_1 - t_0} \times (t_m - t_0)$$

Where:

P_{t_m} = Interpolated pressure at the selected mid-round time
P_{t_1} = Measured pressure at the first time the well was monitored after the mid-round time
P_{t_0} = Measured pressure at the last time the well was monitored before the mid-round time
t_1 = The first time the well was monitored after the mid-round time
t_0 = The last time the well was monitored before the mid-round time
t_m = The selected mid-round time

4.1.2 Extrapolation

In cases where a well was not monitored within two hours before and after the selected mid-round time, it was necessary to extrapolate the vacuum pressure at the mid-round time. This was the case for the wells monitored during the first round on the first day after the mid-round time and wells monitored during the last round on the first day prior to the mid-round time, as well as for all wells during all monitoring rounds conducted on subsequent days of each test. The barometric efficiency of -0.7 was used for this calculation.

First, the barometric pressure at the selected mid-point time was interpolated using the same method described in the previous section. Hourly barometric pressure is available for download from a weather station located at the Albuquerque International Sunport, which is adjacent to Kirtland AFB. The following equations were used to extrapolate the vacuum pressure at each well:

1. $P_{t_m} = P_{t_0} + \left(-0.7 \times \left[B_{t_m} - B_{t_0}\right]\right)$
2. $P_{t_m} = P_{t_1} - \left(-0.7 \times \left[B_{t_1} - B_{t_m}\right]\right)$

Where:

B_{t_m} = Barometric pressure at the selected mid-round time
B_{t_1} = Measured pressure at the first time barometric pressure was recorded after the mid-round time
B_{t_0} = Measured pressure at the last time barometric pressure was recorded after the mid-round time
-0.7 = Barometric efficiency

Equation 1 was used where the vacuum pressure in the given monitoring round was recorded prior to the selected mid-round time, while Equation 2 was used where the vacuum pressure in the given monitoring round was recorded after the selected mid-round time.

For tests 5DTSVEW-05 and 5DTKAFB106149-450, well KAFB-106121-450 was chosen as the background monitoring well due to its distance of greater than 600 ft from the extraction wells for these two tests. The vacuum pressure for KAFB-106121-450 over the duration of these tests can be assumed to be responding only to changes in barometric pressure. For test 5DTKAFB106121-450, well KAFB-106131-450 was chosen as the background monitoring well, as it is the well most distant from the extraction well for this test. KAFB-106131-450 is 380 ft from KAFB-106121-450. The difference in vacuum pressure between each 450-ft well and the selected background monitoring well was calculated at each mid-point time for each of these two tests. Basic statistical analyses were performed on the differences in vacuum pressure for each monitoring round.

For each round of monitoring, the range of differences in vacuum pressures between the monitoring wells and the background monitoring well was calculated. The range was divided into five equal sections, and a bar graph was created to define the distribution. If all the wells were responding only to barometric pressure or to barometric pressure and the effects of SVE, a normal distribution is expected. If some wells were responding only to barometric pressure while others were also responding to the effects of the induced SVE, a bimodal distribution is expected. In order to determine which wells were responding to the effects of the induced SVE when a bimodal distribution was found, a count of the number of rounds and the number of days each well had a greater than average difference in vacuum pressures was made. Vacuum pressure for a well was considered to be greater than average for a monitoring day if it was greater than average on more than half of the monitoring rounds that day.

The results of the data analysis are presented in Section 4.6.

4.2 SVE Radius of Influence Test Results

The data collected during the ROI testing was analyzed using the procedure described in Section 4.1. Results for the three 5-day tests are presented in Sections 4.2.1 through 4.2.3. Section 4.2.4 summarizes the SVE monitoring results.

4.2.1 Test 5DTKAFB106149-484 results

The background monitoring well chosen for test 5DTKAFB106149-484 was KAFB-106121-450, located 643 ft from the extraction well. Only data for wells screened within the same interval as the extraction well were used in this analysis (Table L-13). As the screened interval for well KAFB-106149-484 is from 354 to 484 ft bgs, this included only the 450-ft-depth monitoring wells.

The distributions for each round of monitoring for test 5DTKAFB106149-484 data were found to be right-skewed (Figure L-33). One monitoring well, KAFB-106117-450, located 29 ft from

KAFB-106149-484, had greater than two standard deviations above the mean of the differences in vacuum pressures for every monitoring round. The data for this well were consistently skewing the distribution. This indicates that the induced SVE was having a strong effect on KAFB-106117-450.

To determine the effect of SVE on the remaining wells, the data for KAFB-106117-450 were removed from the data set and new bar graphs were created (Figure L-34). A bimodal distribution was apparent for 7 of the 11 monitoring rounds, 5 of which occurred after the first day of testing, indicating that some of the wells were responding only to barometric pressure while others were also responding to the SVE. To determine which wells were responding to SVE, a count of the number of rounds and the number of days each well had a greater than average difference in vacuum pressures was performed (Table L-14). Vacuum pressure for a well was considered to be greater than average for a monitoring day if it was greater than average for more than half of the monitoring rounds that day. The average used for this count excluded the data for KAFB-106117-450.

The results for individual monitoring wells are as follows:

- Well KAFB-106116-450, located 161 ft from the extraction well, had vacuum pressure greater than average for 100% of the monitoring rounds and 100% of the monitoring days.
- KAFB-106119-450, located 201 ft from the extraction well, had vacuum pressure greater than average for 82% of the monitoring rounds and 100% of the monitoring days.
- KAFB-106128-450, located 205 ft from the extraction well, had vacuum pressure greater than average for 73% of the monitoring rounds and 90% of the monitoring days.
- KAFB-106112-450, located 221 ft from the extraction well, had vacuum pressure greater than average for 55% of the monitoring rounds and 50% of the monitoring days.
- SVMW-15, located 227 ft from the extraction well, had vacuum pressure greater than average for 91% of the monitoring rounds and 70% of the monitoring days. After the first day, vacuum pressure was above average for five out the six remaining rounds, or three of the remaining four days, and was below average on the final day of monitoring.

- KAFB-106114-450, located 317 ft from the extraction well, had vacuum pressure greater than average for 45% of the monitoring rounds and 20% of the monitoring days. After the first day, vacuum pressure was above average only for the last two monitoring rounds and monitoring days.
- KAFB-106129-450, located 393 ft from the extraction well, had vacuum pressure greater than average for only 18% of the monitoring rounds and 10% of the monitoring days.
- KAFB-106113-450, located 402 ft from the extraction well, and KAFB-106111-450, located 429 ft from the extraction well, had no vacuum pressures greater than average for any of the monitoring rounds or days.

Wells that exhibited greater than average differences in vacuum pressure for the majority of the monitoring rounds were most likely situated within the ROI of the extraction well. This includes wells KAFB-106117-450, KAFB-106116-450, KAFB-106119-450, KAFB-106128-450, and SVMW-15. Of these, the most distant is SVMW-15, which is located 227 ft from the extraction well. Vacuum pressure for KAFB-106112-450, located 221 ft from the extraction well, was greater than average for approximately half of the monitoring rounds. It was, however, greater than average for four of the six monitoring rounds that occurred after the first day, indicating that the well may have been experiencing the effects of SVE. Wells SVMW-15 and KAFB-106112-450 are located at very similar distances from the extraction well, though on different radii extending from the extraction well, with SVMW-15 being only 6 ft farther away. SVMW-15 shows a definite response to SVE, while KAFB-106112-450 possibly shows a weak response, indicating that these two wells are on the edge of the ROI for KAFB-106149-484. This places the horizontal ROI at approximately 220 to 230 ft. Vacuum pressure for KAFB-106114-450 was greater than average on the last two days of testing, which could be a result of the ROI extending over 300 ft after four days of extraction. However, additional data would be necessary to make a conclusive statement.

4.2.2 5DTKAFB106121-450

ROI test 5DTKAFB106121-450 used well KAFB-106131-450, located 381 ft from the extraction well, as the background monitoring well, as it was the most distant well monitored during the test. Only the data

for 450-ft depth wells were used for analysis because this is the depth from which soil vapor is being extracted (Table L-15).

A bimodal distribution was observed for 11 of the 13 rounds of monitoring for ROI test 5DTKAFB106121-450, indicating that some of the wells were responding only to changes in barometric pressure, while others were also responding to SVE (Figure L-35).

To determine which wells were responding to SVE, a count of the number of rounds and the number of days during which each well had a greater than average difference in vacuum pressures was performed (Table L-15). Vacuum pressure for a well was considered to be greater than average for a monitoring day if it was greater than average for more than half of the monitoring rounds that day.

The results for individual monitoring wells are as follows:

- Wells KAFB-106123-450, located 61 ft from the extraction well, and KAFB-106122-450, located 75 ft from the extraction well, both had greater than average differences in vacuum pressure for 100% of the monitoring rounds and monitoring days.
- Well KAFB-106120-450, located 95 ft from the extraction well, only had a greater than average difference in vacuum pressure for 8% of the monitoring rounds and 20% of the monitoring days.
- Well KAFB-106113-450, located 261 ft from the extraction well, also had a greater than average difference in vacuum pressure for 8% of the monitoring rounds, but for 0% of the monitoring days.
- Well KAFB-106114-450, located 362 ft from the extraction well, had a greater than average difference in vacuum pressure for 38% of the monitoring rounds, but only for 30% of the monitoring days.

Only wells KAFB-106123-450 and KAFB-106122-450 show an observable response to SVE. This indicates that the ROI for this five-day test is at least 75 ft but, most likely, is less than 95 ft, as well KAFB-106120-450 shows no observable response to the SVE.

4.2.3 5DTSVEW-05

ROI test 5DTSVEW-05 used well KAFB-106121-450, located 964 ft from the extraction well, as the background monitoring well. KAFB-106121-450 was monitored only once per day during this test. Consequently, only the first monitoring round per day was used in this analysis.

Only data for wells screened in the same portion of the vadose zone as the extraction well was used in this analysis (Table L-11). Extraction well SVEW-05 is screened from 445 to 460 ft bgs. Three of the wells monitored were screened in this portion of the vadose zone. KAFB-106148-484 is screened from 354 to 484 ft bgs; SVEW-09 is screened from 445 to 460 ft bgs; and KAFB-106119-450 is screened from 440 to 450 ft bgs.

Due to the limited number of observation wells available for analysis of this test, a distribution graph would not render meaningful data and therefore was not generated. Only counts of the number of monitoring rounds during which each well had a greater than average difference in vacuum pressure were performed (Table L-16).

Results for individual monitoring wells are as follows:

- Well KAFB-106148-484, located 96 ft from the extraction well, had a greater than average difference in vacuum pressure for 20% of the monitoring rounds and days.
- SVEW-09, located 183 ft from the extraction well, had a greater than average difference in vacuum pressure for 40% of the monitoring rounds and days.
- KAFB-106119-450, located 203 ft from the extraction well, had a greater than average difference in vacuum pressure for 60% of the monitoring rounds and days.

No meaningful conclusions about the ROI of extraction well SVEW-05 can be made based on this analysis of the data.

4.2.4 SVE Monitoring Results

SVE monitoring uses well KAFB-106121 as the background monitoring well. Each PneuLog® cluster has wells at three depths: 484, 350, and 200 ft bgs. Data for all depths were used in this analysis to help determine the 3D ROI of the system. Well KAFB-106121-450 is used as the background monitoring well for the 484-ft bgs PneuLog® wells; KAFB-106121-350 is used as the background monitoring well for the 350-ft bgs PneuLog® wells; and KAFB-106121-145 is used as the background monitoring well for the 200-ft bgs PneuLog® wells. Table L-2 lists the wells monitored and the distance of each from each extraction well.

4.2.4.1 484-ft bgs wells

A bimodal distribution was observed for 18 of the 21 monitoring rounds conducted during Second Quarter 2012 (Figure L-36). Table L-17 provides the count of the number of rounds during which each well had a greater than average difference in vacuum pressures.

The results for individual monitoring wells are as follows:

- Well KAFB-106154-484, located 176 ft from the nearest extraction well, had a greater than average difference in vacuum pressure for 100% of the monitoring rounds.
- Well KAFB-106150-484, located 68 ft from the nearest extraction well, had a greater than average difference in vacuum pressures for 95% of the monitoring rounds. It had a lower than average difference in vacuum pressures only during the monitoring round conducted prior to starting the RSI SVE units.
- Well KAFB-106148-484, located 96 ft from the nearest extraction well extracting from a depth across which the monitoring well is screened, had a greater than average difference in vacuum pressure for 71% of the monitoring rounds.
- The remaining wells, located at distances ranging from 205 ft to 339 ft from the nearest extraction well, had greater than average differences in vacuum pressure for only 5 to 10% of the monitoring rounds.

Wells KAFB-106154-484, KAFB-106150-484, and KAFB-106148-484 all show an observable response to SVE. This indicates that the horizontal ROI for the RSI SVE units running one engine at the Kirtland AFB BFF Spill site is at least 176 ft but less than 205 ft.

4.2.4.2 350-ft bgs wells

A bimodal distribution was observed for 10 of the 21 monitoring rounds conducted during Second Quarter 2012 (Figure L-37). Table L-17 provides the count of the number of rounds during which each well had a greater than average difference in vacuum pressures.

The results for individual monitoring wells are as follows:

- Well KAFB-106150-350, located 79 ft from the nearest extraction well, had a greater than average difference in vacuum pressures for 95% of the monitoring rounds. A less than average difference in vacuum pressures was recorded only during the monitoring round conducted prior to starting the RSI SVE units.
- Well KAFB-106149-349, located within the same well cluster as extraction well KAFB-106149-484 with the bottom of screen only 5 ft above the extraction interval, had a greater than average difference in vacuum pressures for 76% of the monitoring rounds.
- Well KAFB-106148-349, located 84 ft from the nearest extraction well, had a greater than average difference in vacuum pressure for 67% of the monitoring rounds.
- Well KAFB-106154-350, located 176 ft from the nearest extraction well, had a greater than average difference in vacuum pressures for 67% of the monitoring rounds.
- The remaining wells, located at distances ranging from 205 to 339 ft from the nearest extraction well, each had a greater than average difference in vacuum pressure for less than half of the monitoring rounds, ranging from 14 to 43% of the rounds.

Wells KAFB-106150-350, KAFB-106149-349, KAFB- 106148-349, and KAFB-106154-350 all show an observable response to SVE, though the response of wells KAFB-106148-349 and KAFB-106154-350 is not as strong as that for the 484-ft bgs wells in the same clusters. This indicates that the ROI for RSI SVE units running one engine is between 176 and 205 ft, which is consistent with the results for the 484-ft bgs wells.

4.2.4.3 200-ft bgs wells

The distributions for 14 of the 21 monitoring rounds conducted during Second Quarter 2012 were found to be right-skewed (Figure L-38). For 12 of the 14 right-skewed monitoring rounds, the difference in vacuum pressures for well KAFB-106148-194 was greater than two standard deviations above the average difference in vacuum pressures. To determine the effect of SVE on the remaining wells, data for KAFB-106148-194 were removed for these 12 rounds.

Where all data used are within two standard deviations of the average, a bimodal distribution was observed for 7 of the 21 monitoring rounds conducted during Second Quarter 2012 (Figure L-39). Table L-17 provides the count of the number of rounds during which each well had a greater than average difference in vacuum pressures.

The results for individual monitoring wells are as follows:

- Well KAFB-106148-194, located 98 ft from the nearest extraction well, had a greater than average difference in vacuum pressures for 81% of the monitoring rounds and a difference greater than two standard deviations above the average for 57% of the monitoring rounds.
- Well KAFB-106149-194, located 205 ft above extraction well KAFB-106149-484, had a greater than average difference in vacuum pressures for 52% of the monitoring rounds. When data greater than two standard deviations above the average were excluded, this increased to 71% of the monitoring rounds.
- Well KAFB-106151-200, located 280 ft from the nearest extraction well, had a greater than average difference in vacuum pressure for 67% of the monitoring rounds. When data greater than two standard deviations above the average were excluded, this increased to 71% of the monitoring rounds.
- Well KAFB-106155-200, located 331 ft from the nearest extraction well, had a greater than average difference in vacuum pressures for 57% of the monitoring rounds. When data greater than two standard deviations above the average were excluded, this increased to 67% of the monitoring rounds.
- Well KAFB-106153-200, located 362 ft from the nearest extraction well, had a greater than average difference in vacuum pressures for 33% of the monitoring rounds. When data greater than two standard deviations above the average were excluded, this increased to 57% of the monitoring rounds.

- Well KAFB-106154-197, located 236 ft from the nearest extraction well, had a greater than average difference in vacuum pressures for 33% of the monitoring rounds. When data greater than two standard deviations above the average were excluded, this increased to 48% of the monitoring rounds.
- Well KAFB-106156-178, located 267 ft from the nearest extraction well, had a greater than average difference in vacuum pressures for 38% of the monitoring rounds, even when data greater than two standard deviations above the average were excluded.
- Well KAFB-106150-200, located 202 ft from the nearest extraction well, had a greater than average difference in vacuum pressures for 24% of the monitoring rounds. When data greater than two standard deviations above the average were excluded, this increased to 33% of the monitoring rounds.
- Well KAFB-106152-194, located 390 ft from the nearest extraction well, had a greater than average difference in vacuum pressures for 10% of the monitoring rounds. When data greater than two standard deviations above the average were excluded, this increased to 24% of the monitoring rounds.

The number of times when the vacuum pressure for each 200-ft bgs monitoring well was greater than average is fairly well distributed. When the range is divided into five intervals, two wells fall into each interval, with the exception of the highest interval, into which four wells fall. Wells KAFB-106148-194, KAFB-106149-194, KAFB-106151-200, and KAFB-106155-200 each have a greater than average difference in vacuum pressure within the range of 14 to 17 of the 21 monitoring rounds.

Well KAFB-106148-194 shows an observable response to SVE from well SVEW-01, which is located 98 ft away. KAFB-106149-194 may be responding to extraction from well KAFB-106149-484, which is 205 ft below the monitoring well. It is unlikely that wells KAFB-106151-200 and KAFB-106155-200 are showing a response to SVE, as the 350- and 484-ft bgs wells in the same clusters show no response.

Because the number of times when each monitoring well had a greater than average difference in vacuum pressures is fairly well distributed, it is unlikely that any of the remaining wells show an observable response to SVE. Each of the remaining wells is farther than 200 ft from the nearest extraction well.

These results indicate that the vertical ROI for RSI SVE units running one engine at the BFF is approximately 200 ft, which is consistent with the horizontal ROI shown in the response of the 484-ft bgs monitoring wells.

Based on the data gathered thus far, it appears that the ROI for RSI SVE units running one engine at the Kirtland AFB BFF Spill site is isotropic and between 176 and 205 ft in all directions. Data obtained during the ROI testing indicate that the ROI may extend up to an additional 100 ft when RSI SVE units are running both engines.

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Figures

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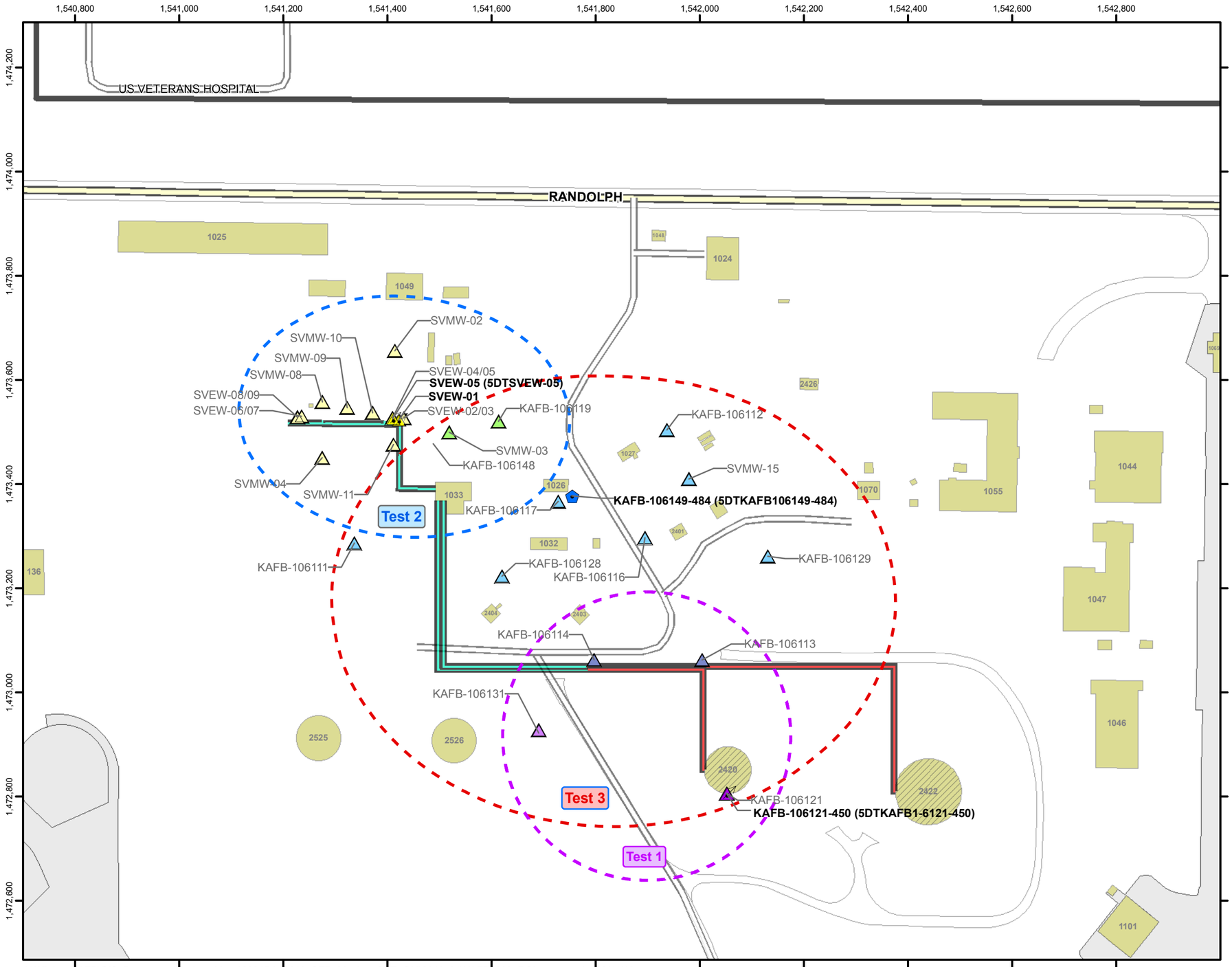
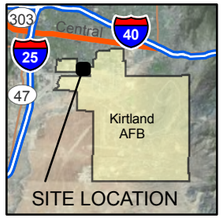


Legend

- Observation Well Cluster for ROI Test 1
- Extraction Well for ROI Test 1
- Observation Well Cluster for ROI Tests 1 and 3
- Observation Well Cluster for ROI Tests 2 and 3
- Extraction Well and Alternative for ROI Test 2
- Observation Pneulog Well for ROI Test 2
- Observation Well for ROI Test 2
- Extraction Well for ROI Test 3
- Observation Well Cluster for ROI Test 3
- Aboveground Fuel Transfer Lines
- Underground Fuel Transfer Lines
- Interstate
- Major Road
- Road
- Existing Structure
- Previously Existing Structure
- Runway
- Installation Boundary

Note:
Extraction wells for tests are labeled in **bold** font.
Observation wells for tests are labeled in regular font.



Revision Date: 03/16/11

N

0 100 200 400

Feet
1 inch = 200 feet

Projection : NAD83 State Plane New Mexico Central FIPS3002 Feet

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FIGURE L-1

RADIUS OF INFLUENCE TEST WELLS

H:\Kirtland_AFB\GIS_Documents\Project_Maps\2001BA_2011_QTR_Monitor_SVE_OM\2011_04\KAFB_060_ROI_tests.mxd 02/11/12

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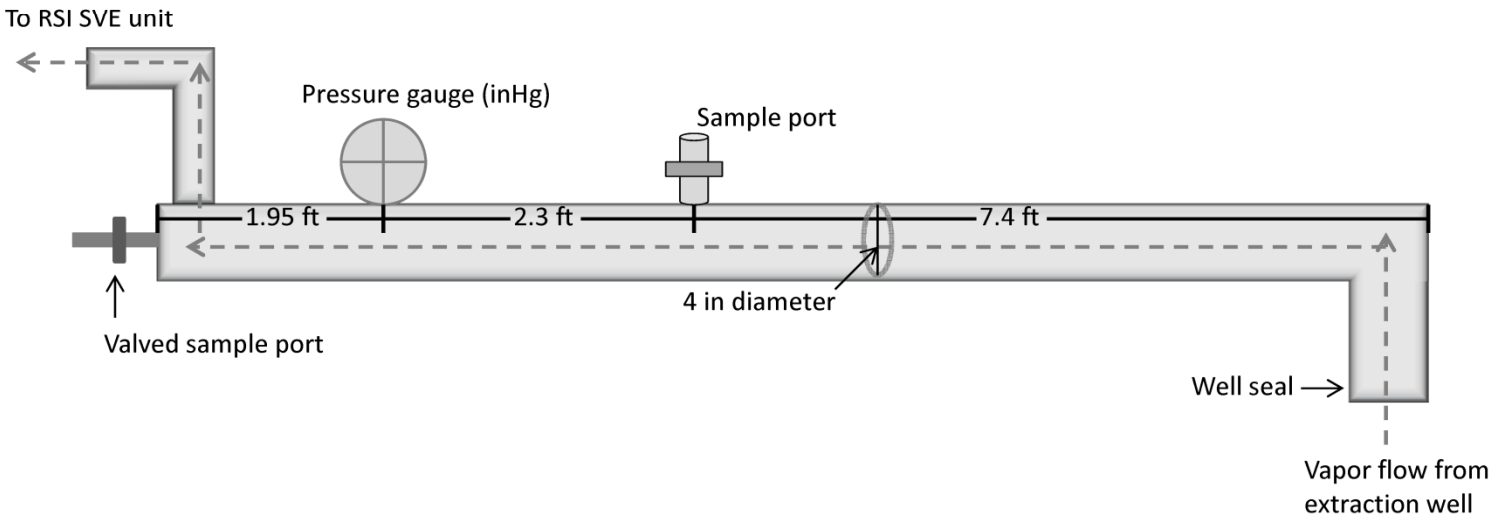

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FIGURE L-2

TEST WELLHEAD SETUP
FOR USE WITH
RSI SVE UNIT 249

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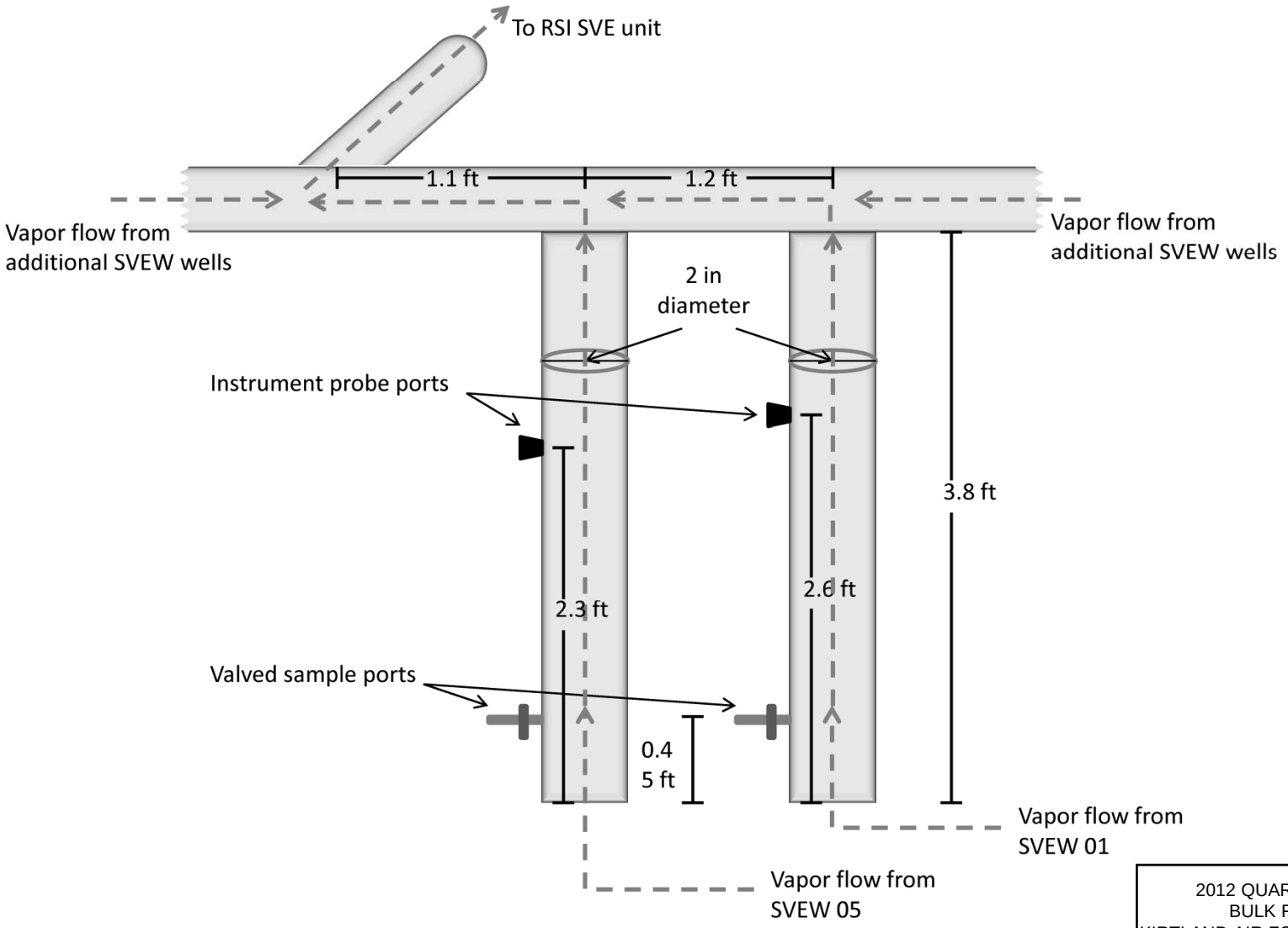

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FIGURE L-3

WELLHEAD SETUP CONNECTED TO
WELLS SVEW-01
THROUGH SVEW-09

KAFB_052_well_const.ppt

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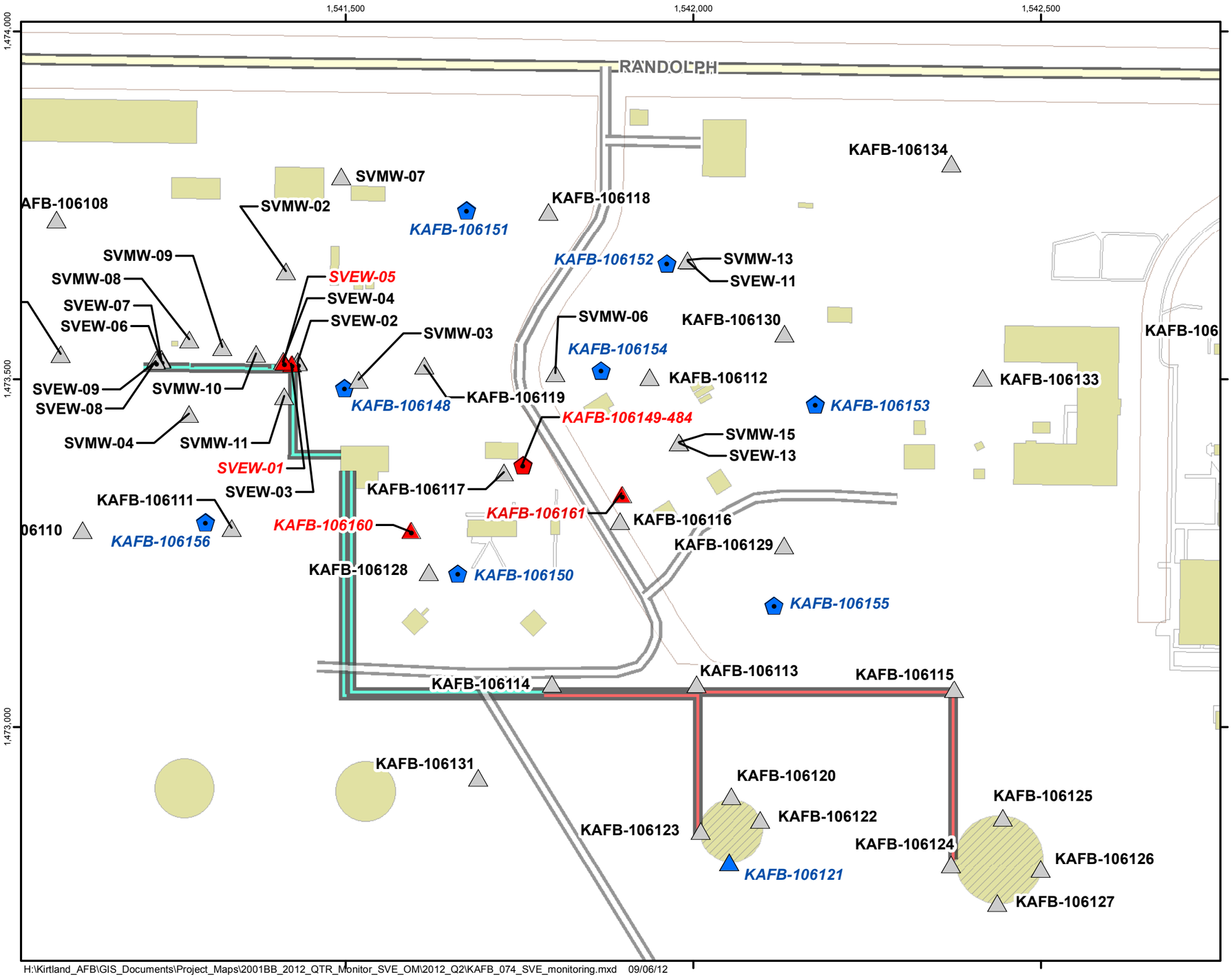
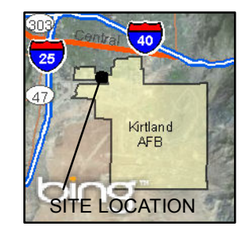


H:\Kirtland_AFB\GIS_Documents\Project_Maps\2001BB_2012_QTR_Monitor_SVE_OM\2012_Q2\KAFB_074_SVE_monitoring.mxd 09/06/12

Legend

- Pneu Log Well Used as Extraction Well
- Active SVE Extraction Well
- Primary SVM Cluster
- Pneu Log
- SVE Extraction Well
- SVM Cluster

Note: Pneulog well KAFB-106149-484 is being used as an extraction well.



Service Layer Credits: © Harris Corp, Earthstar Geographics LLC © 2012 Microsoft Corporation

Revision Date: 09/06/12

N

0 75 150 300

Feet

1 inch = 150 feet

Projection : NAD83 State Plane New Mexico Central FIPS3002 Feet

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FIGURE L-4

SVE REMEDIATION
MONITORING SYSTEM

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Figure L-5: Vacuum Pressure in Monitoring Wells for Test SWTKAFB106121-450

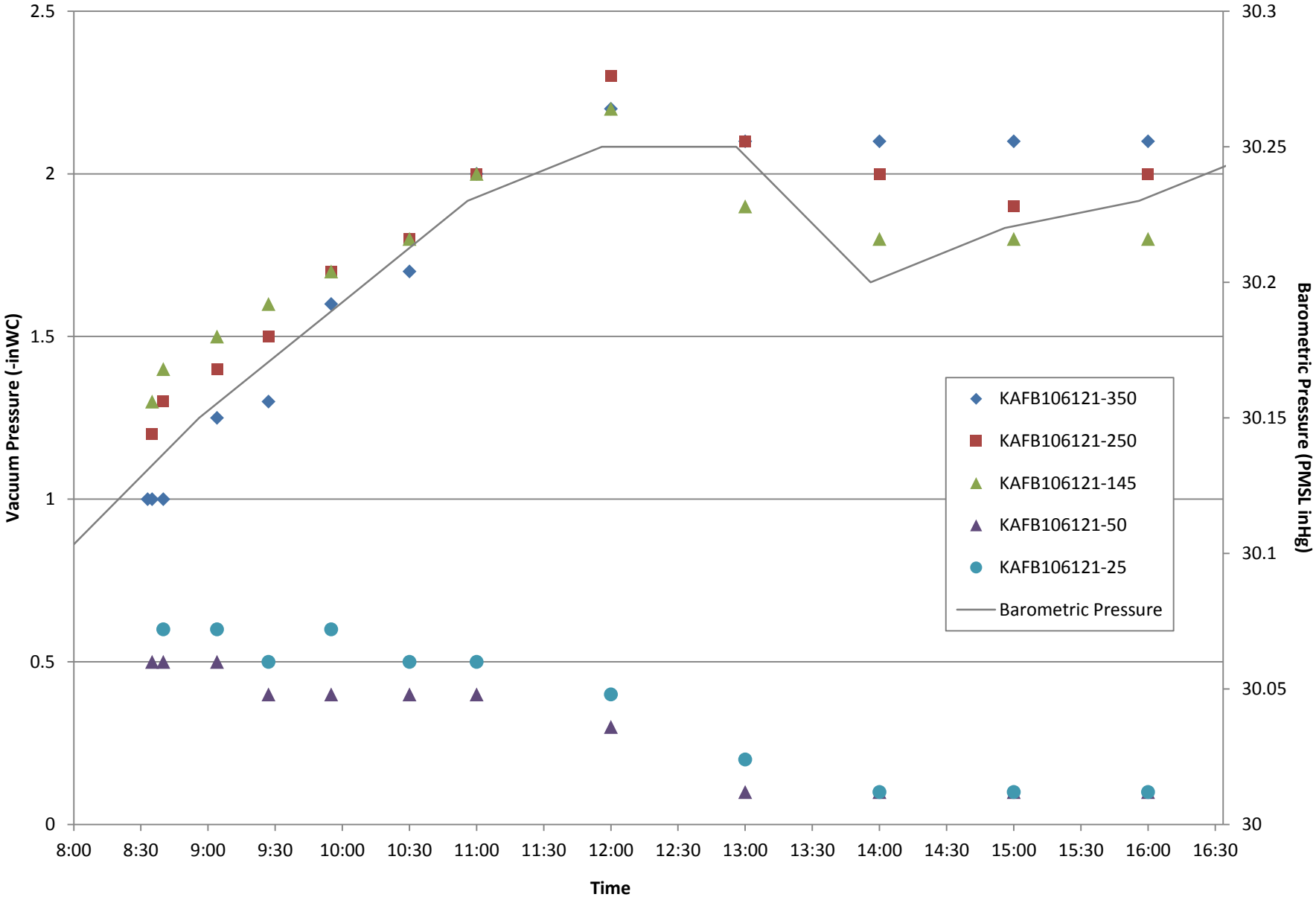

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Figure L-6: Vacuum Pressure in Monitoring Wells for Test SWTSVEW-01

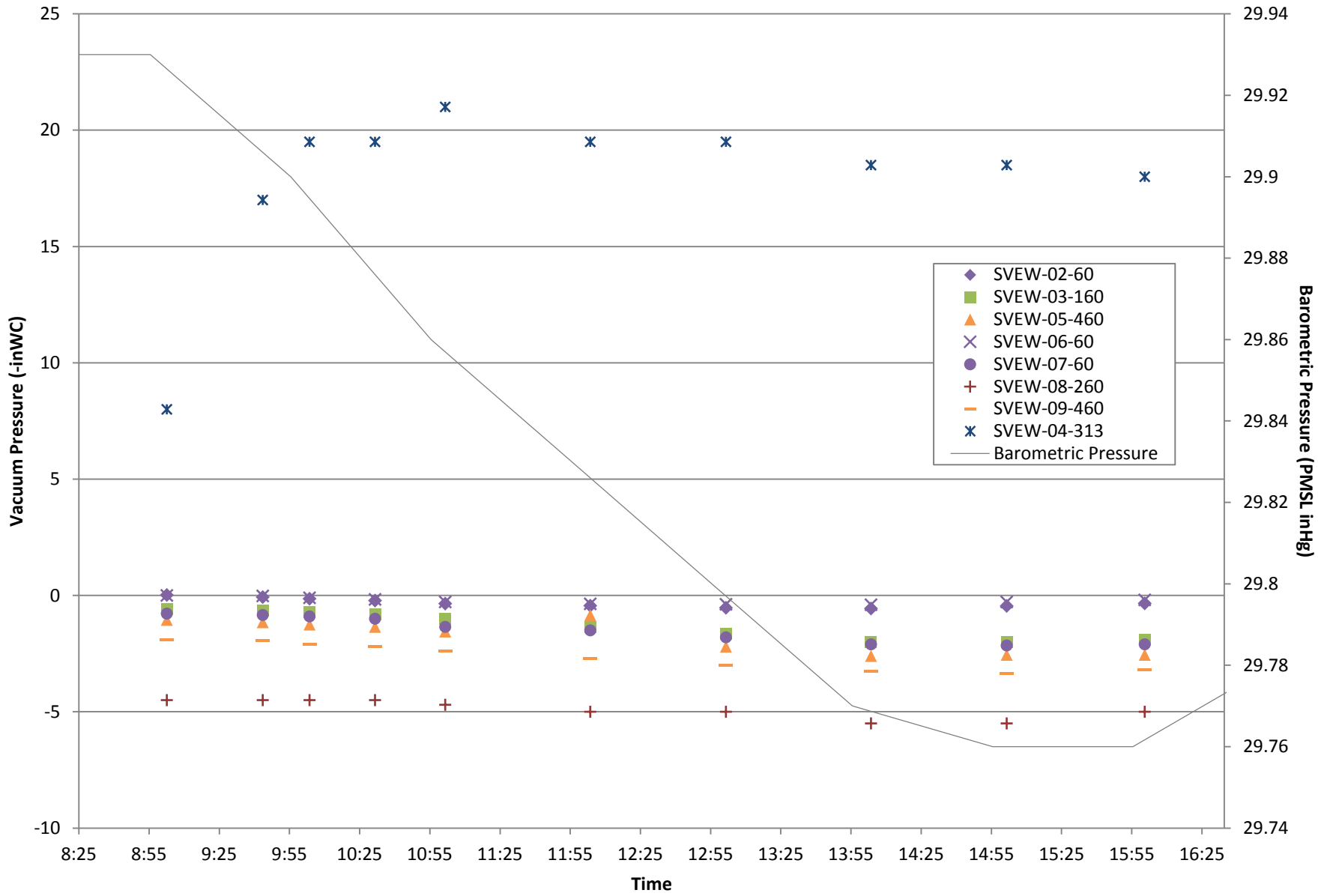

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Figure L-7: Vacuum Pressure in Monitoring Wells for Test SWTSVEW-05

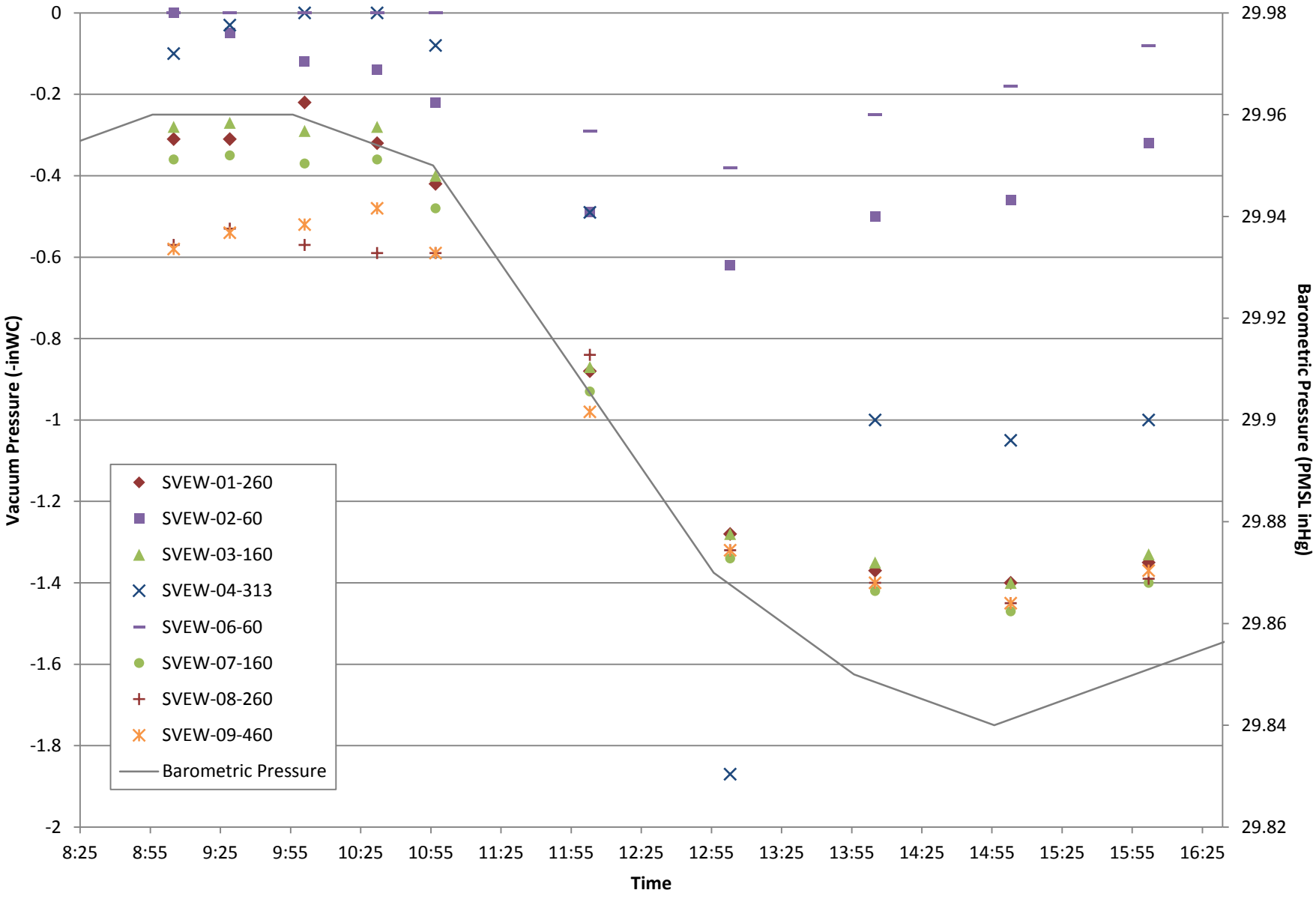

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Figure L-8: Vacuum Pressure in Monitoring Wells for Test SWTKAFB106117-450

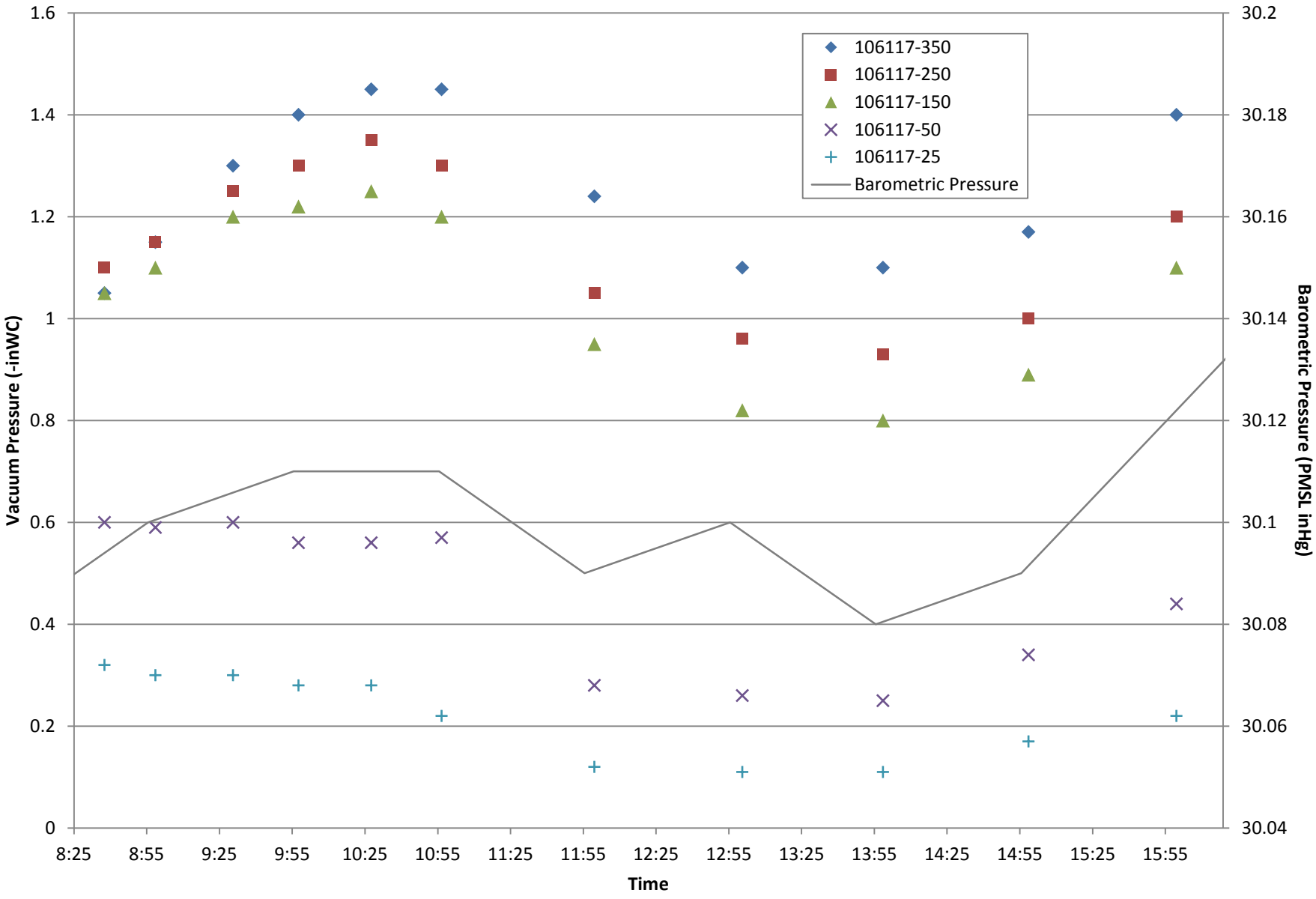

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Figure L-9: Vacuum Pressure in Monitoring Wells for Test SWTKAFB106149-484

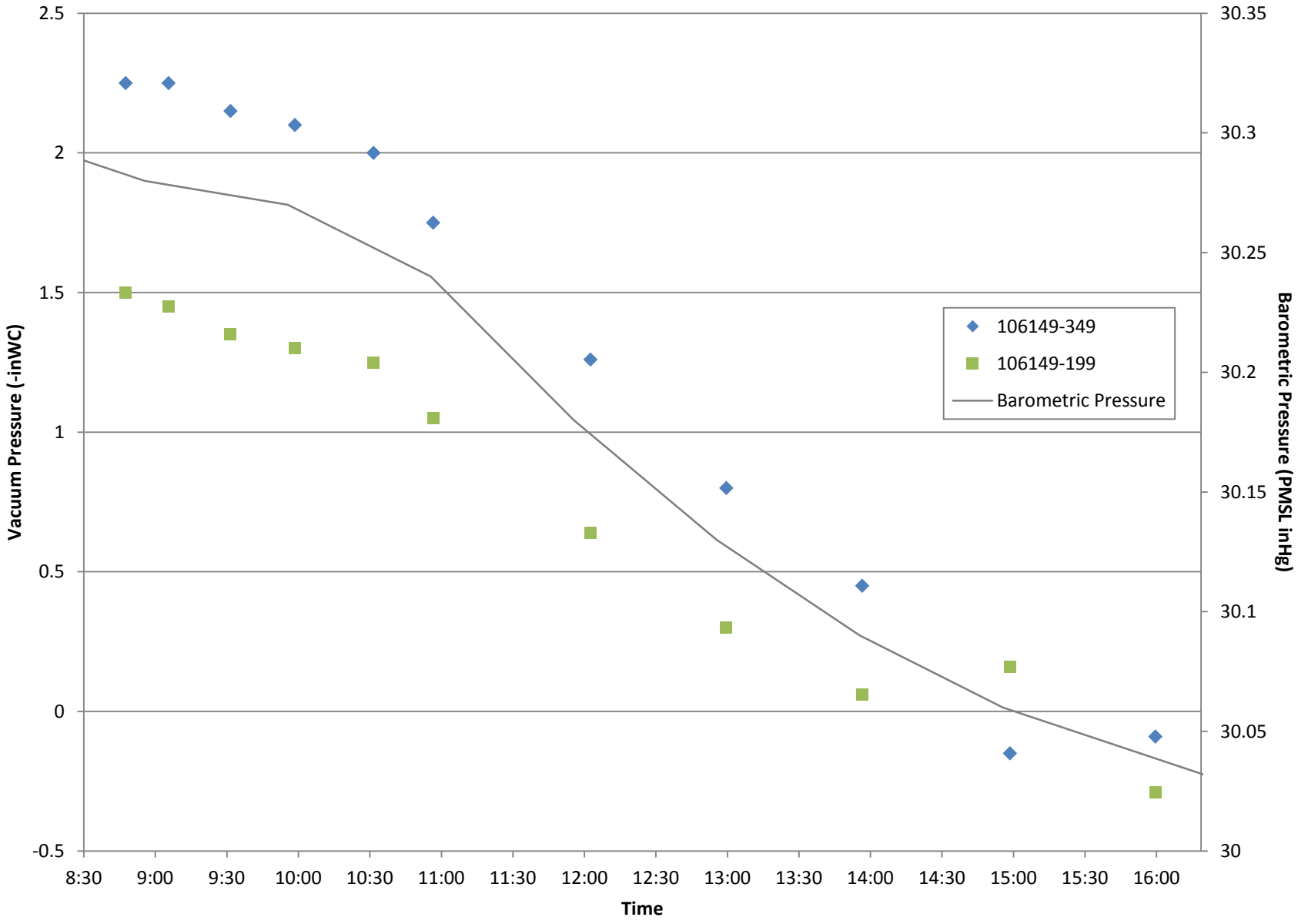

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Figure L-10Vacuum Pressure in Monitoring Wells for Test5DTKAFB106121-450

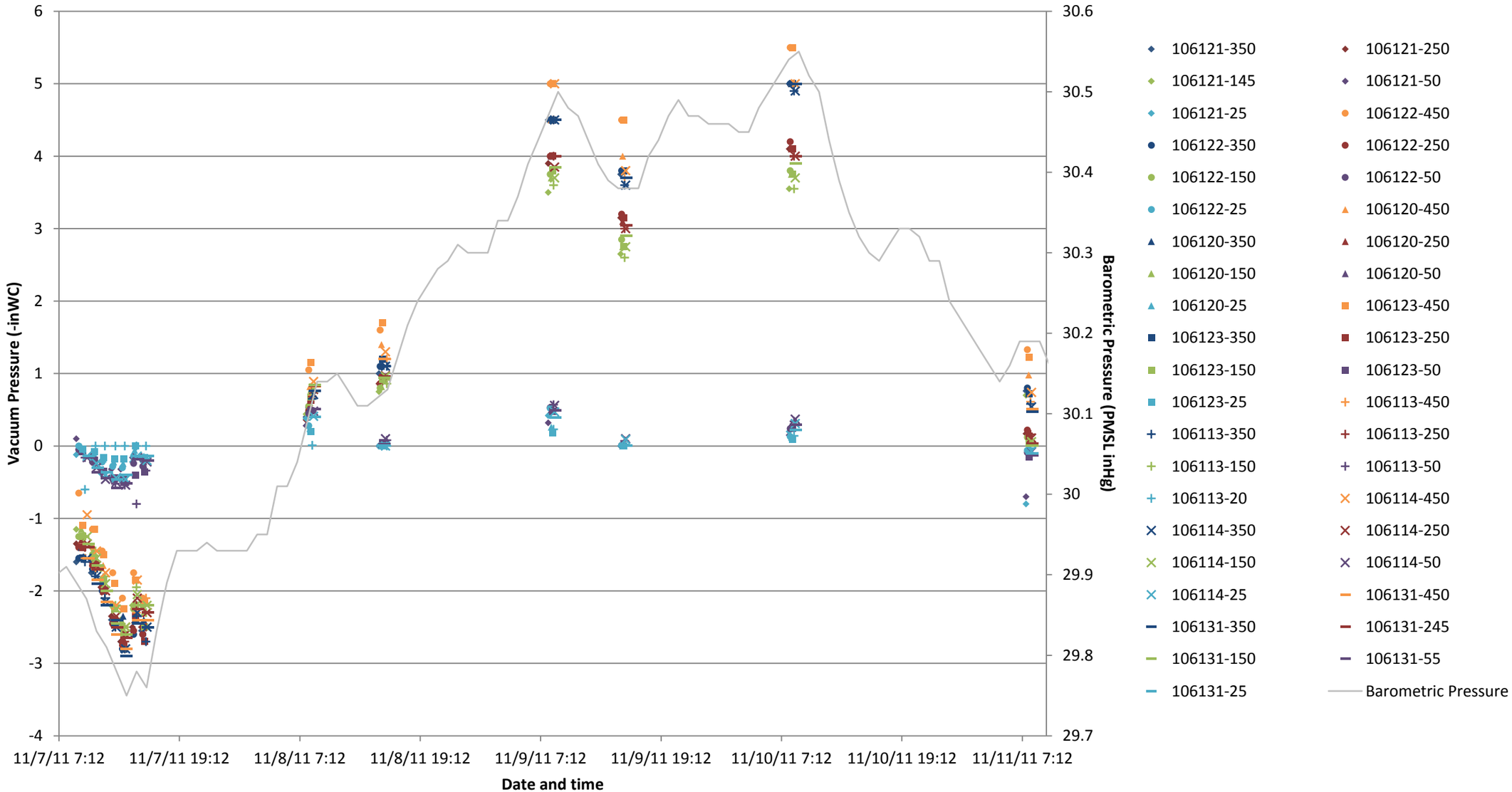

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Figure L-11: Vacuum Pressure in Monitoring Wells for Test 5DTSVEW-05

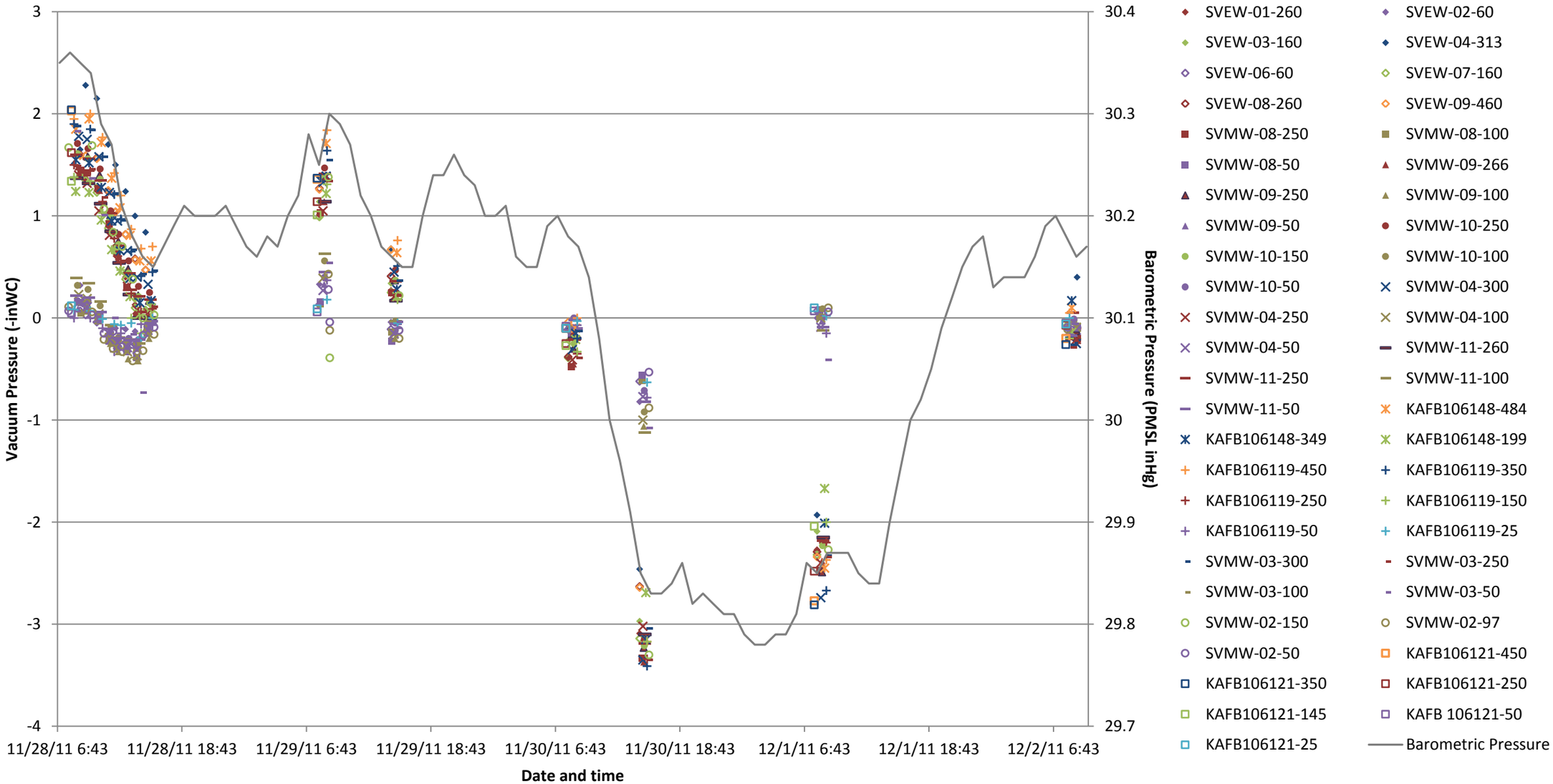

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Figure L-12: Vacuum Pressure in Monitoring Wells for Test 5DTKAFB106149-484

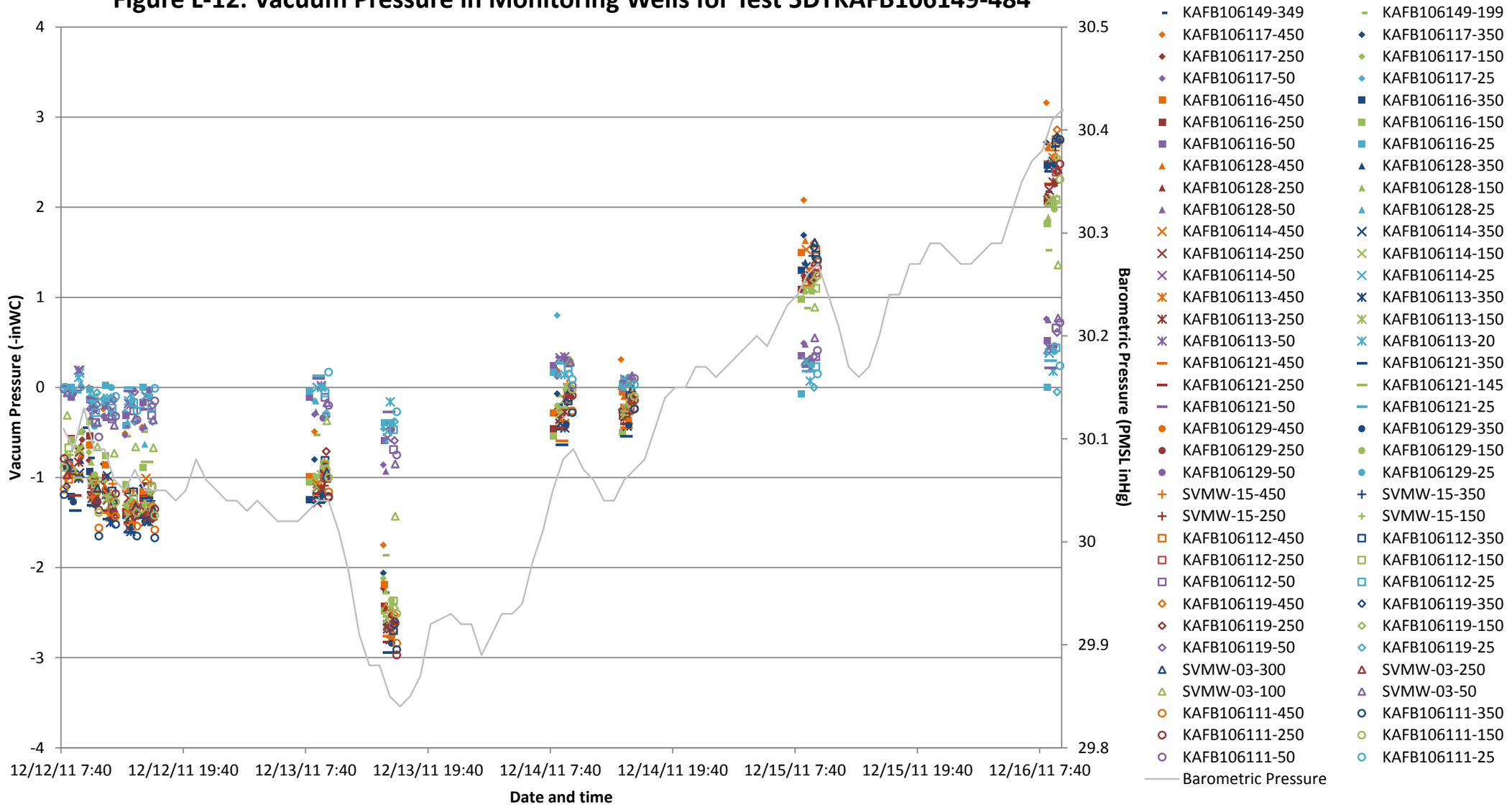

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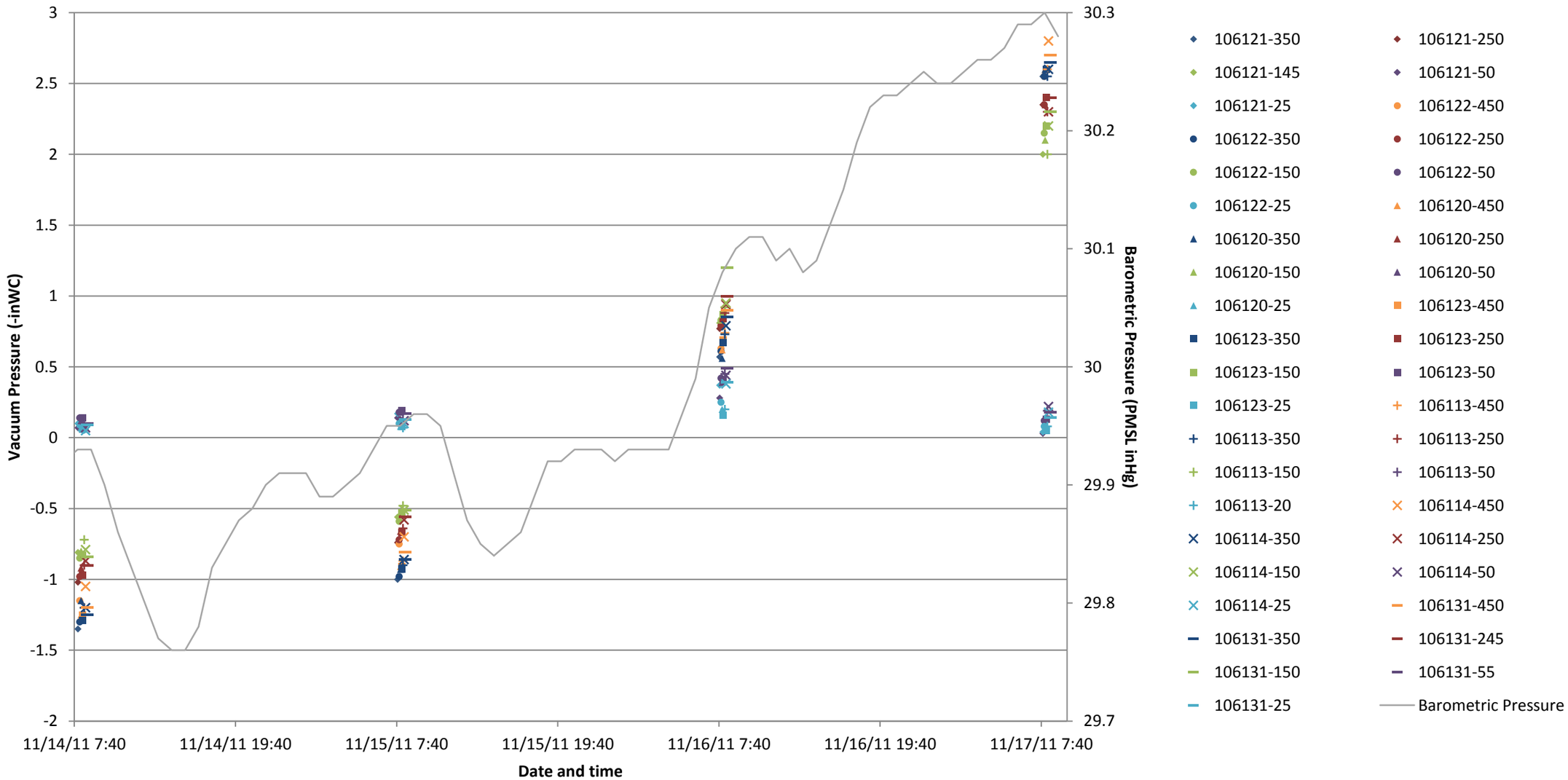
Figure L-13 Vacuum Pressure in Monitoring Wells Following Test 5DTKAFB106121-450



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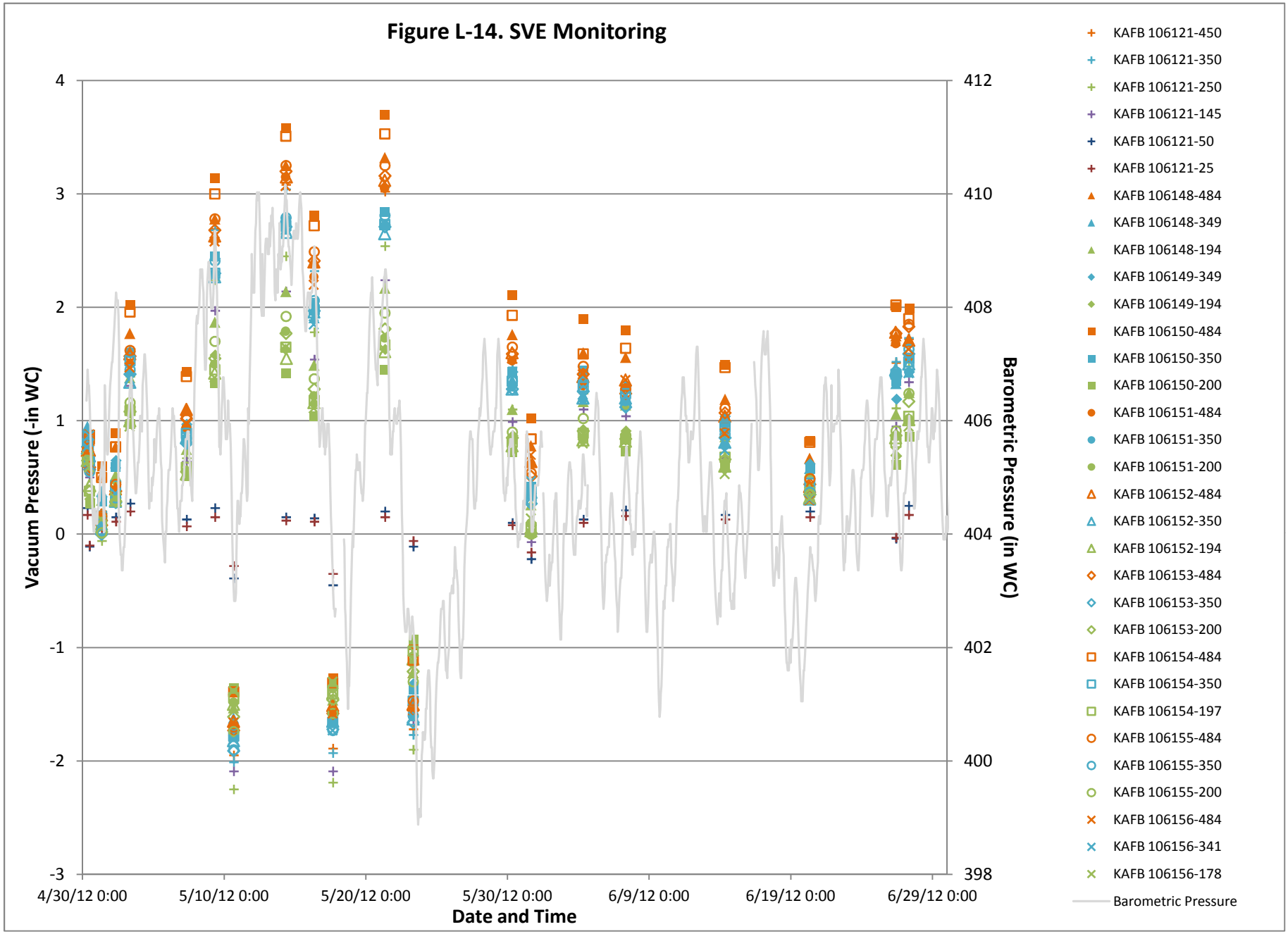
Figure L-14. SVE Monitoring
Vacuum Pressure (-in WC)
Barometric Pressure (in WC)
Date and Time
4
3
2
1
0
-1
-2
-3
412
410
408
406
404
402
400
398
4/30/12 0:00
5/10/12 0:00
5/20/12 0:00
5/30/12 0:00
6/9/12 0:00
6/19/12 0:00
6/29/12 0:00
KAFB 106121-450
KAFB 106121-350
KAFB 106121-250
KAFB 106121-145
KAFB 106121-50
KAFB 106121-25
KAFB 106148-484
KAFB 106148-349
KAFB 106148-194
KAFB 106149-349
KAFB 106149-194
KAFB 106150-484
KAFB 106150-350
KAFB 106150-200
KAFB 106151-484
KAFB 106151-350
KAFB 106151-200
KAFB 106152-484
KAFB 106152-350
KAFB 106152-194
KAFB 106153-484
KAFB 106153-350
KAFB 106153-200
KAFB 106154-484
KAFB 106154-350
KAFB 106154-197
KAFB 106155-484
KAFB 106155-350
KAFB 106155-200
KAFB 106156-484
KAFB 106156-341
KAFB 106156-178
Barometric Pressure

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Figure L-15: Extraction Well Flow Data for Test SWTKAFB106121-450

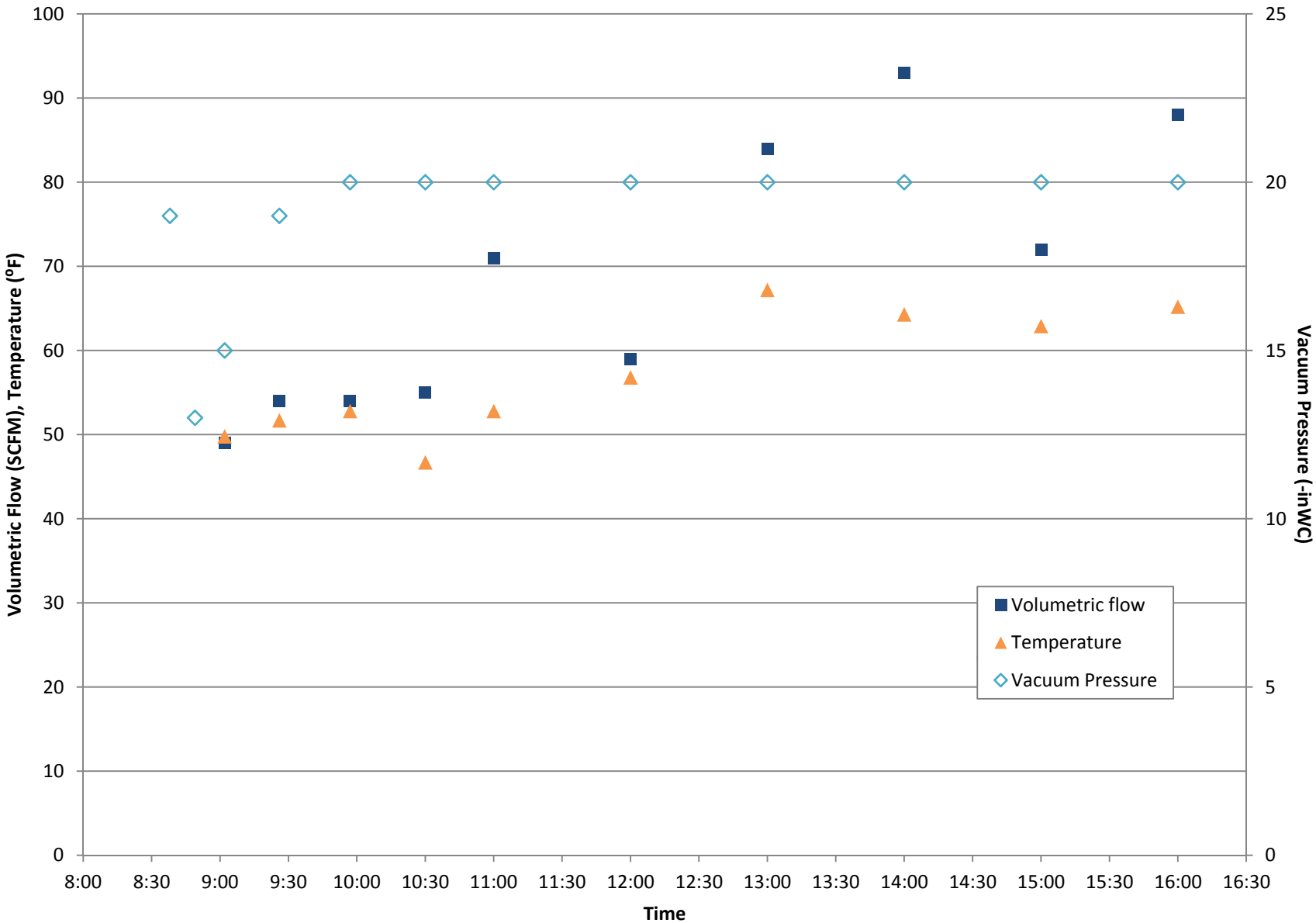

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Figure L-16: Extraction Well Flow Data for Test SWTSVEW-01

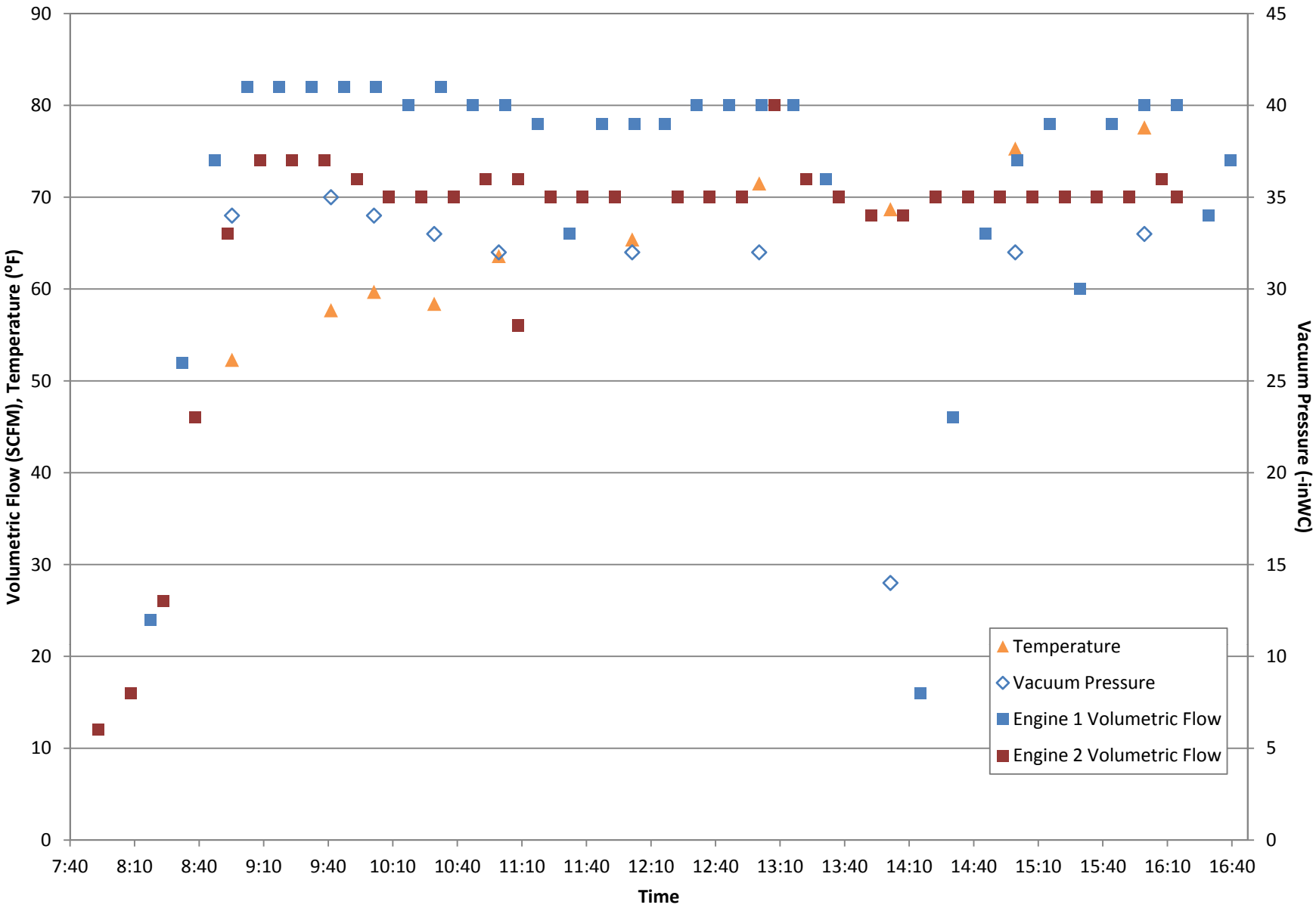

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Figure L-17: Extraction Well Flow Data for Test SWTSVEW-05

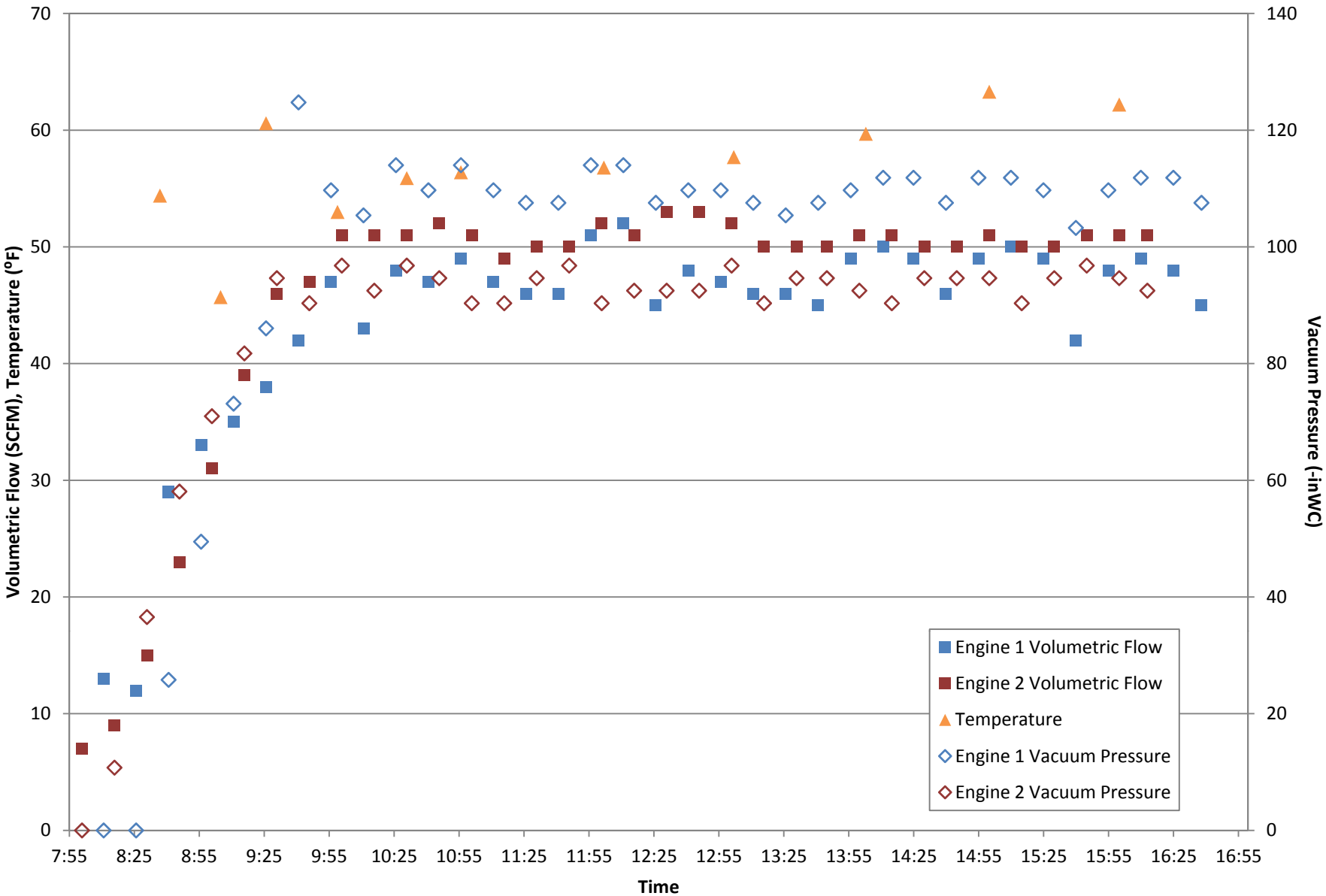

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Figure L-18: Extraction Well Flow Data for Test SWTKAFB106117-450

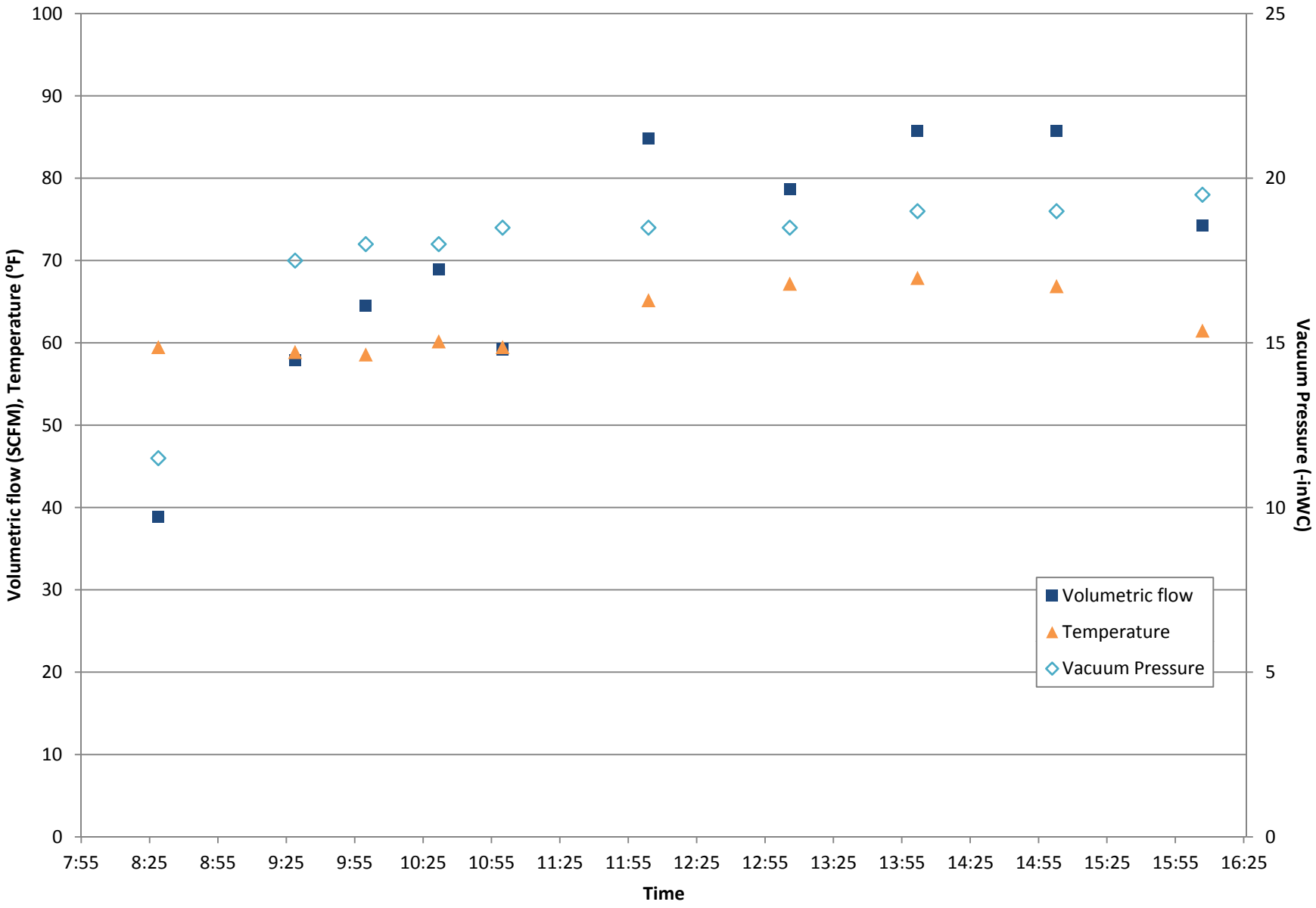

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Figure L-19: Extraction Well Flow Data for Test SWTKAFB106149-484

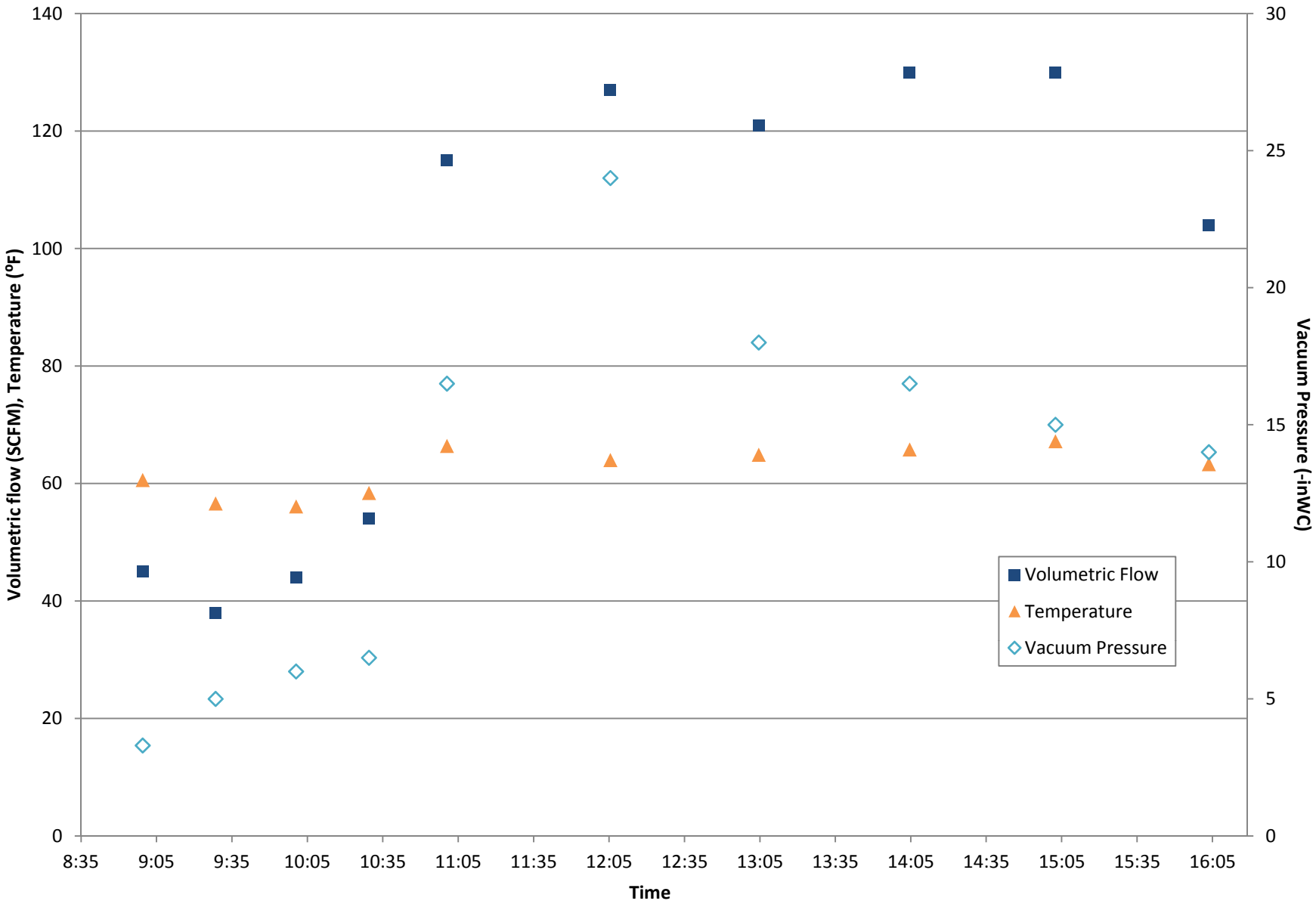

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Figure L-20: Extraction Well Flow Data for Test 5DTKAFB106121-450

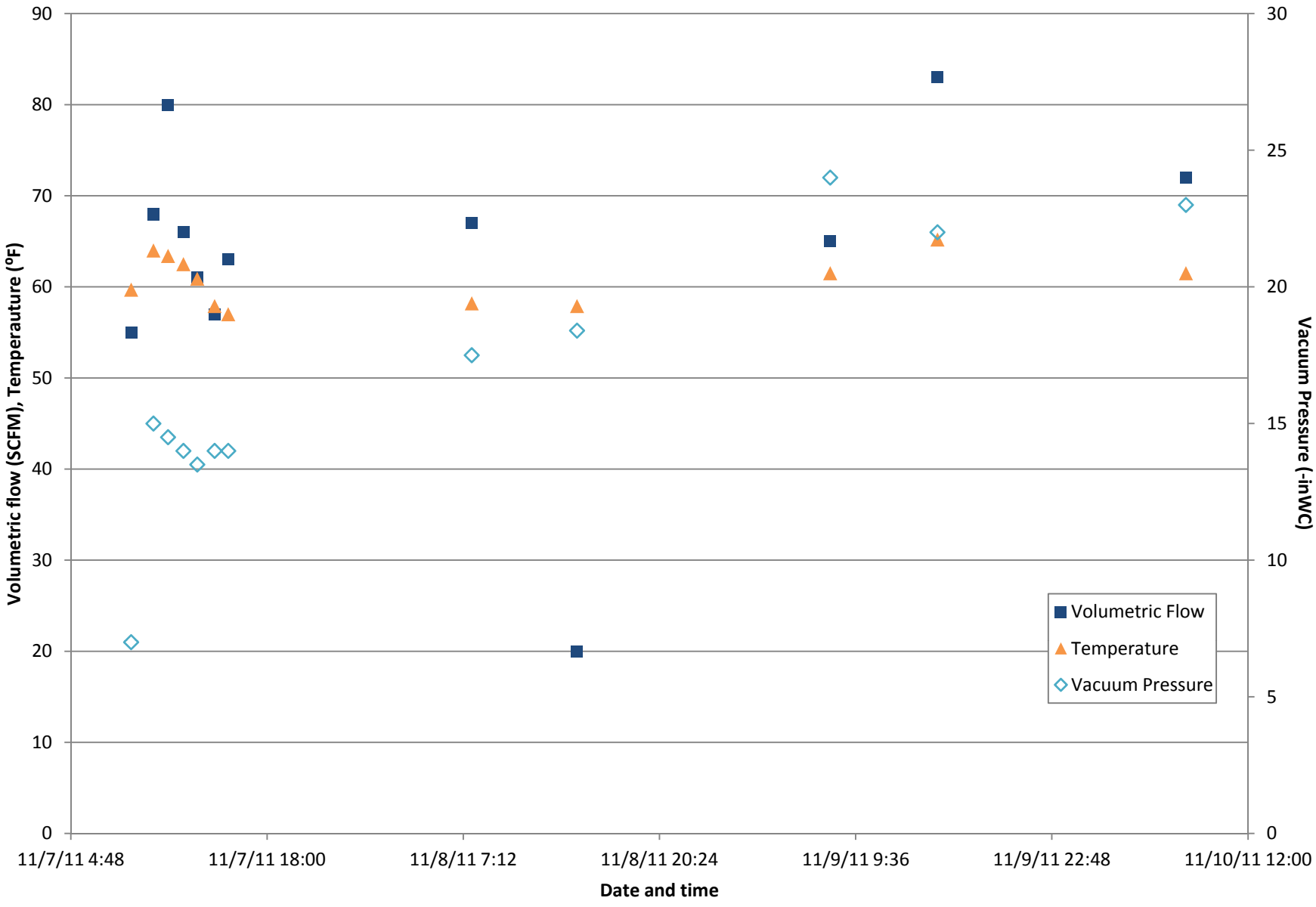

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Figure L-21: Extraction Well Flow Data for Test 5DTSVEW-05

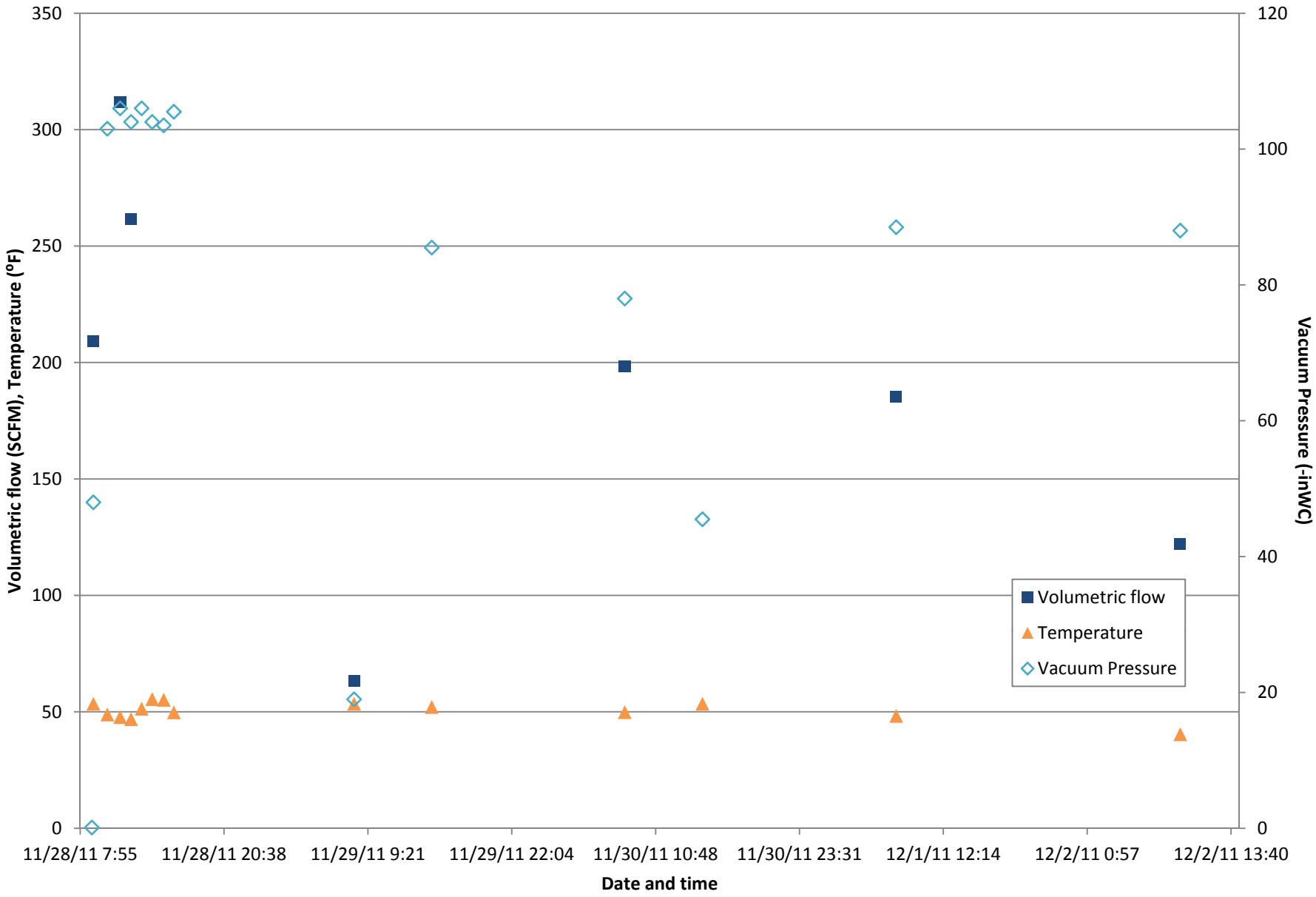

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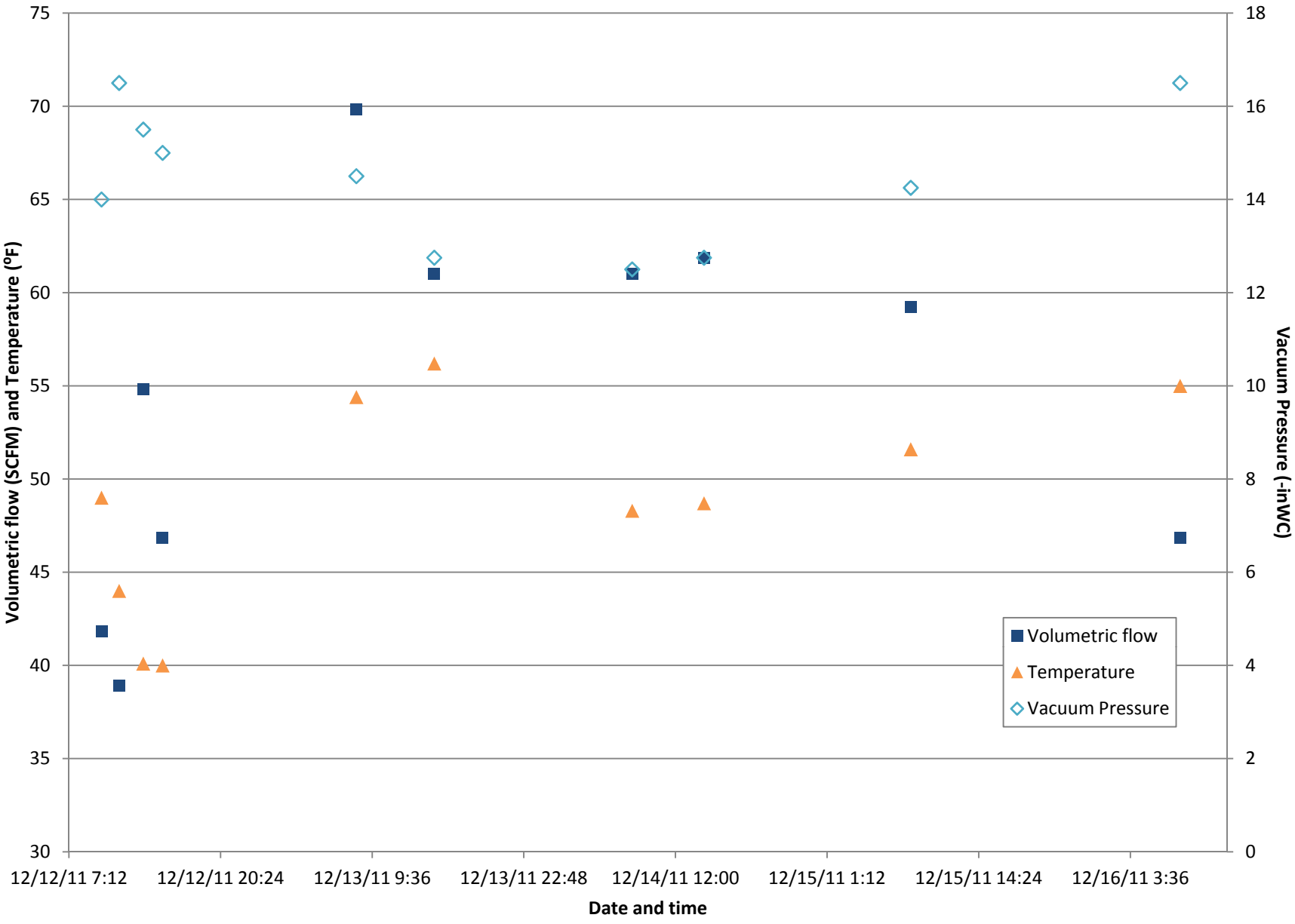
Figure L-22: Extraction Well Flow Data for Test 5DTKAFB106149-484



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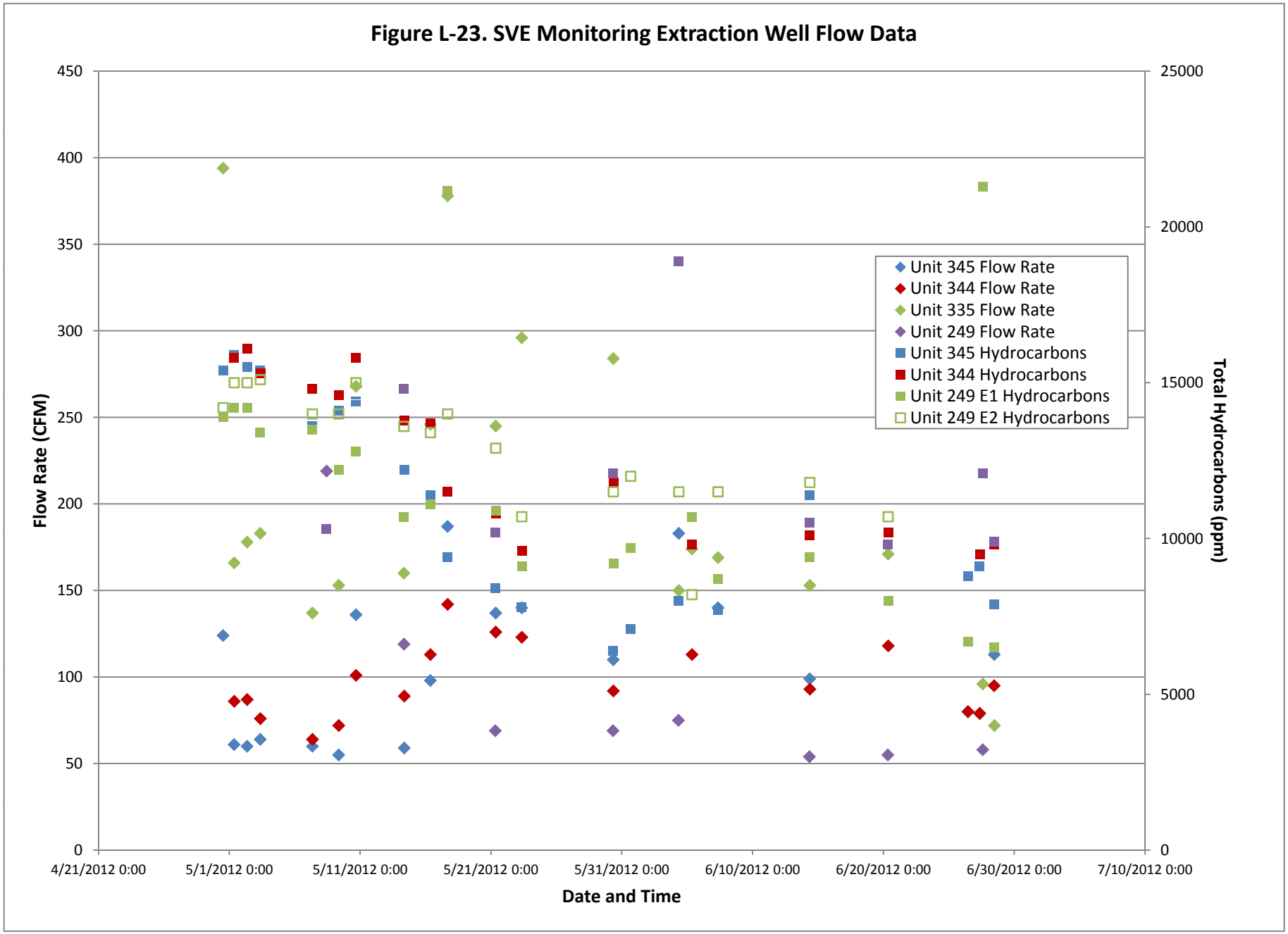
Figure L-23. SVE Monitoring Extraction Well Flow Data
Flow Rate (CFM)
Total Hydrocarbons (ppm)
Date and Time
450
400
350
300
250
200
150
100
50
0
25000
20000
15000
10000
5000
0
4/21/2012 0:00
5/1/2012 0:00
5/11/2012 0:00
5/21/2012 0:00
5/31/2012 0:00
6/10/2012 0:00
6/20/2012 0:00
6/30/2012 0:00
7/10/2012 0:00
Unit 345 Flow Rate
Unit 344 Flow Rate
Unit 335 Flow Rate
Unit 249 Flow Rate
Unit 345 Hydrocarbons
Unit 344 Hydrocarbons
Unit 249 E1 Hydrocarbons
Unit 249 E2 Hydrocarbons

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Figure L-24: Extraction Well Vapor Measurements for Test SWTKAFB106121-450

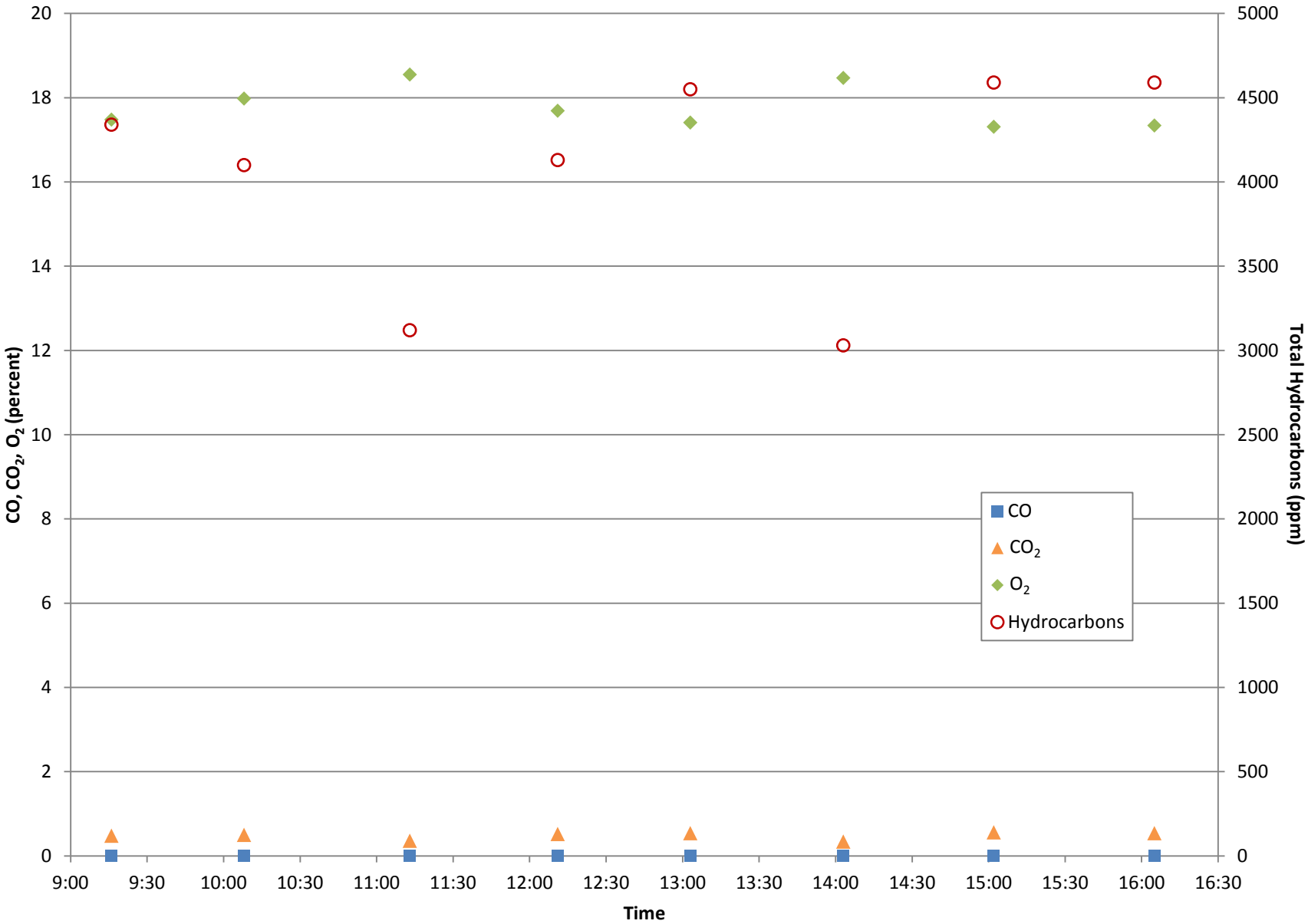

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Figure L-25: Extraction Well Vapor Measurements for Test SWTSVEW-01

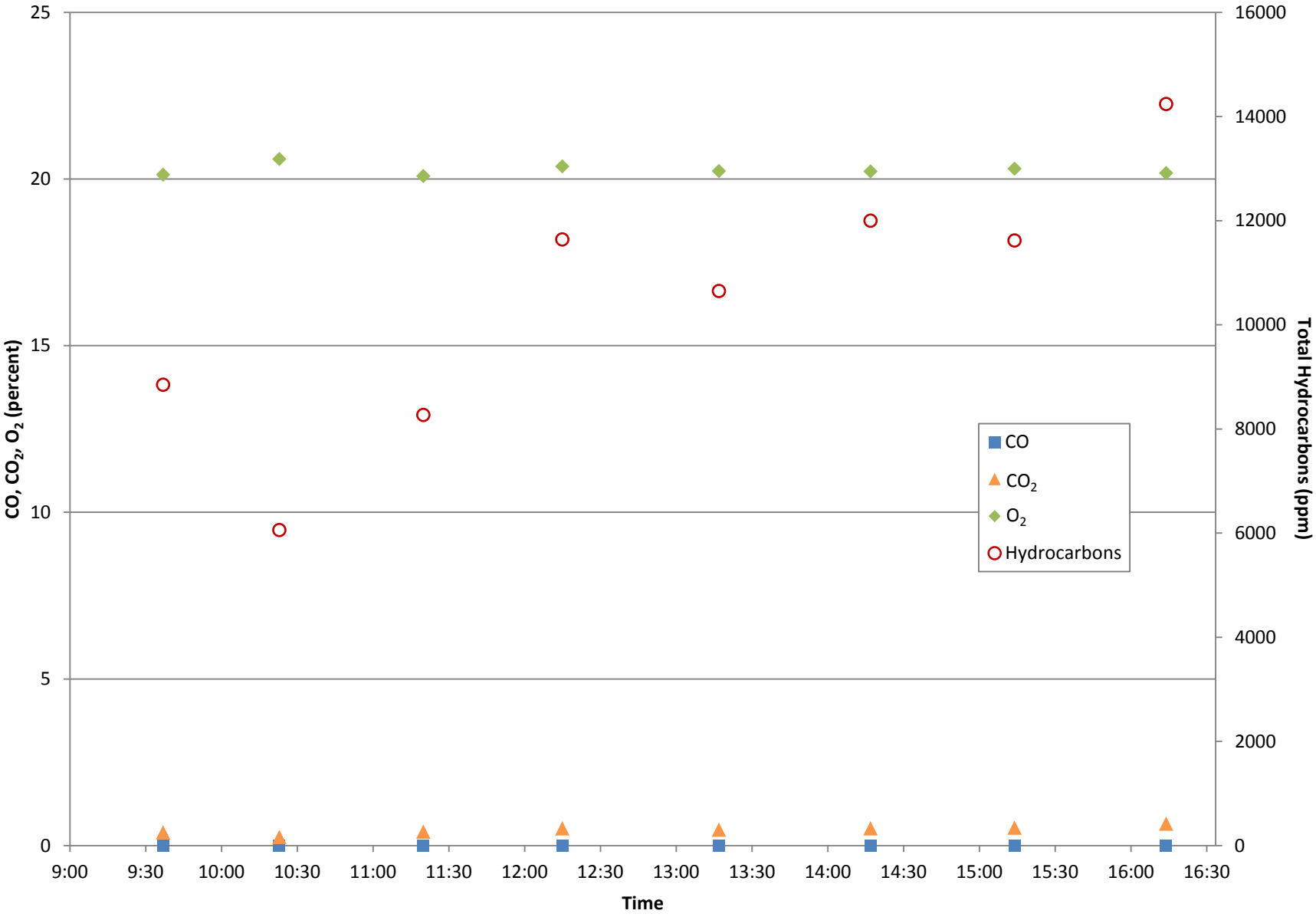

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Figure L-26: Extraction Well Vapor Measurments for Test SWTSVEW-05

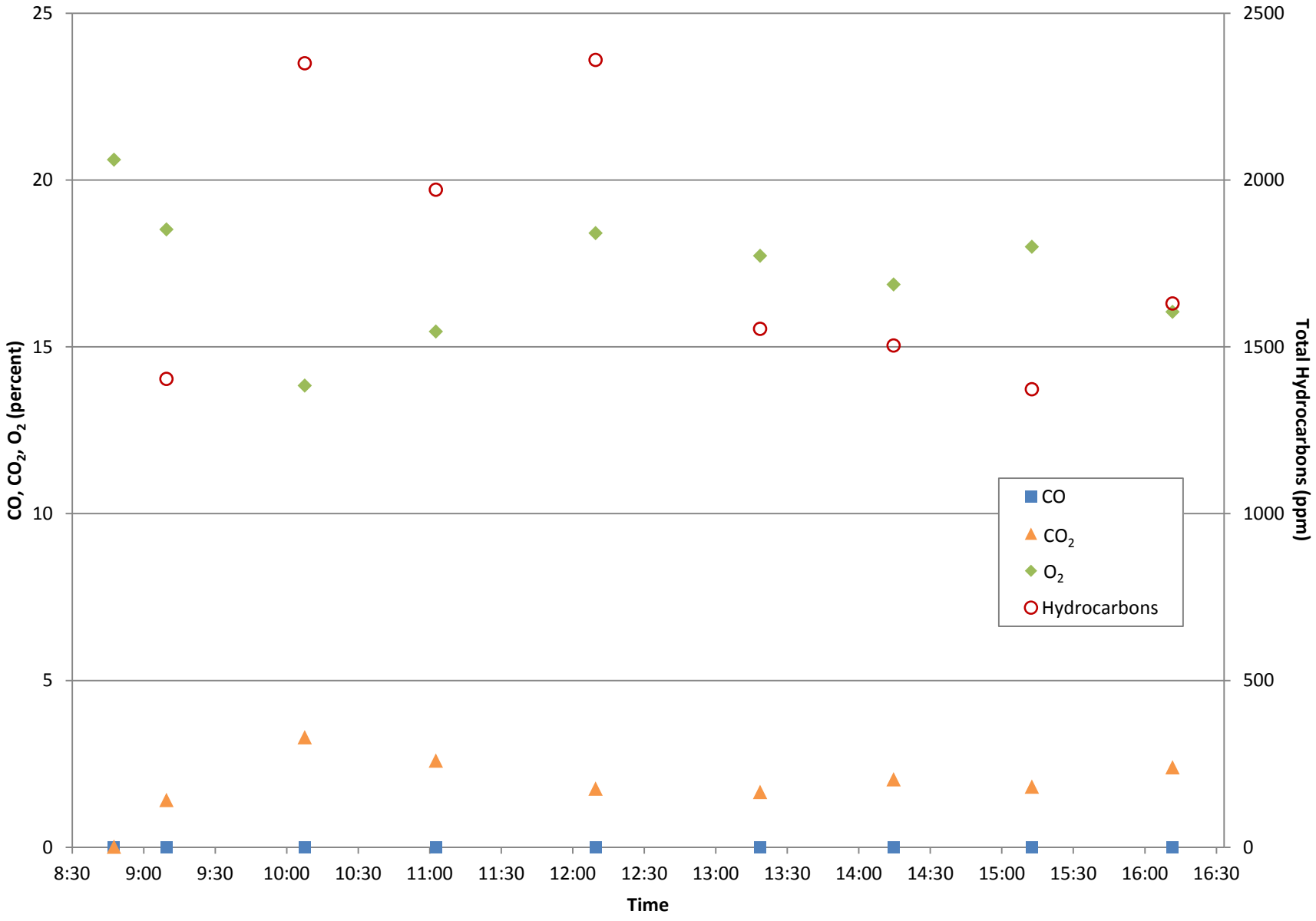

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Figure L-27: Extraction Well Vapor Measurements for Test SWTKAFB106117-450

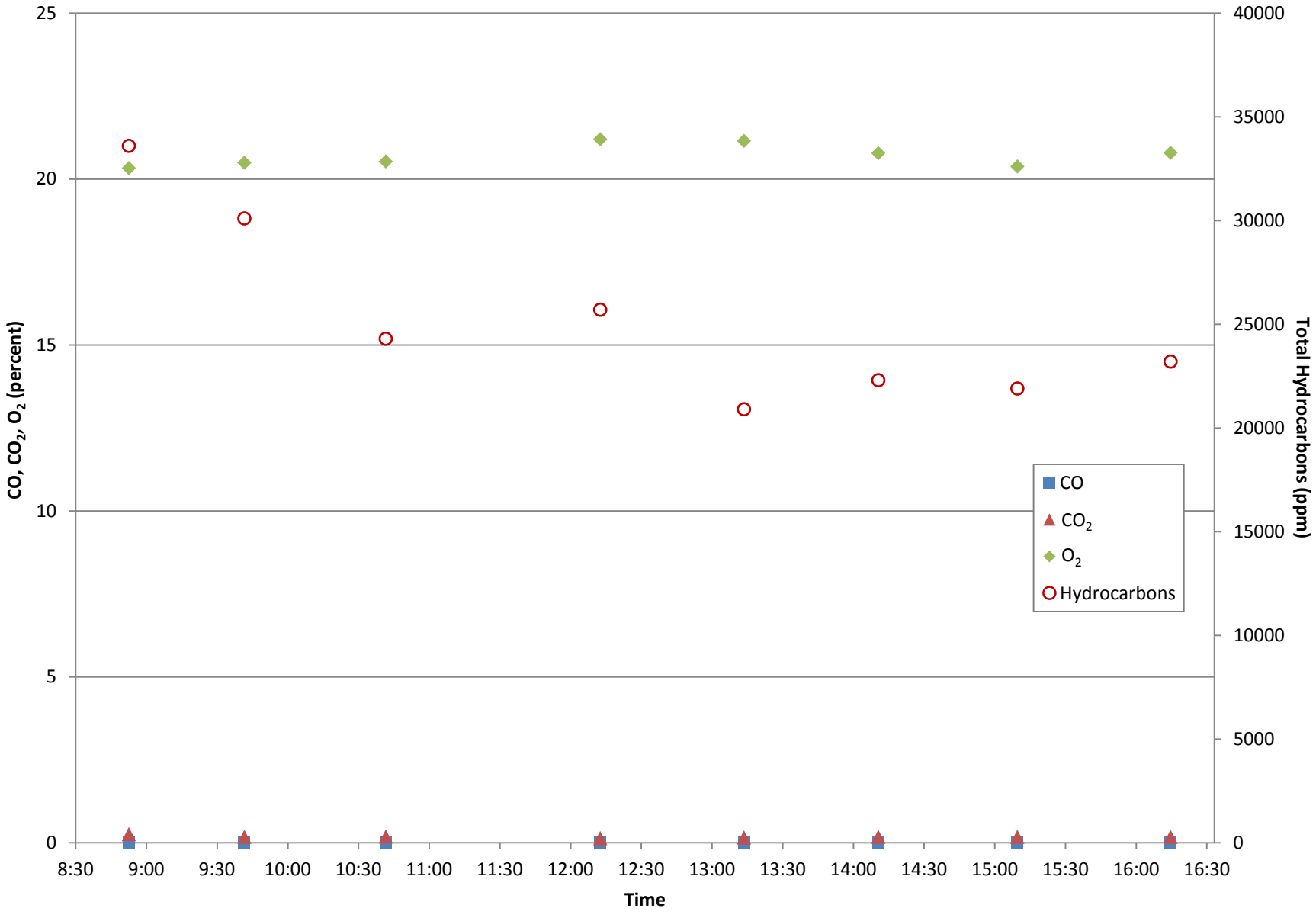

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Figure L-28: Extraction Well Vapor Measurements for Test SWTKAFB106149-484

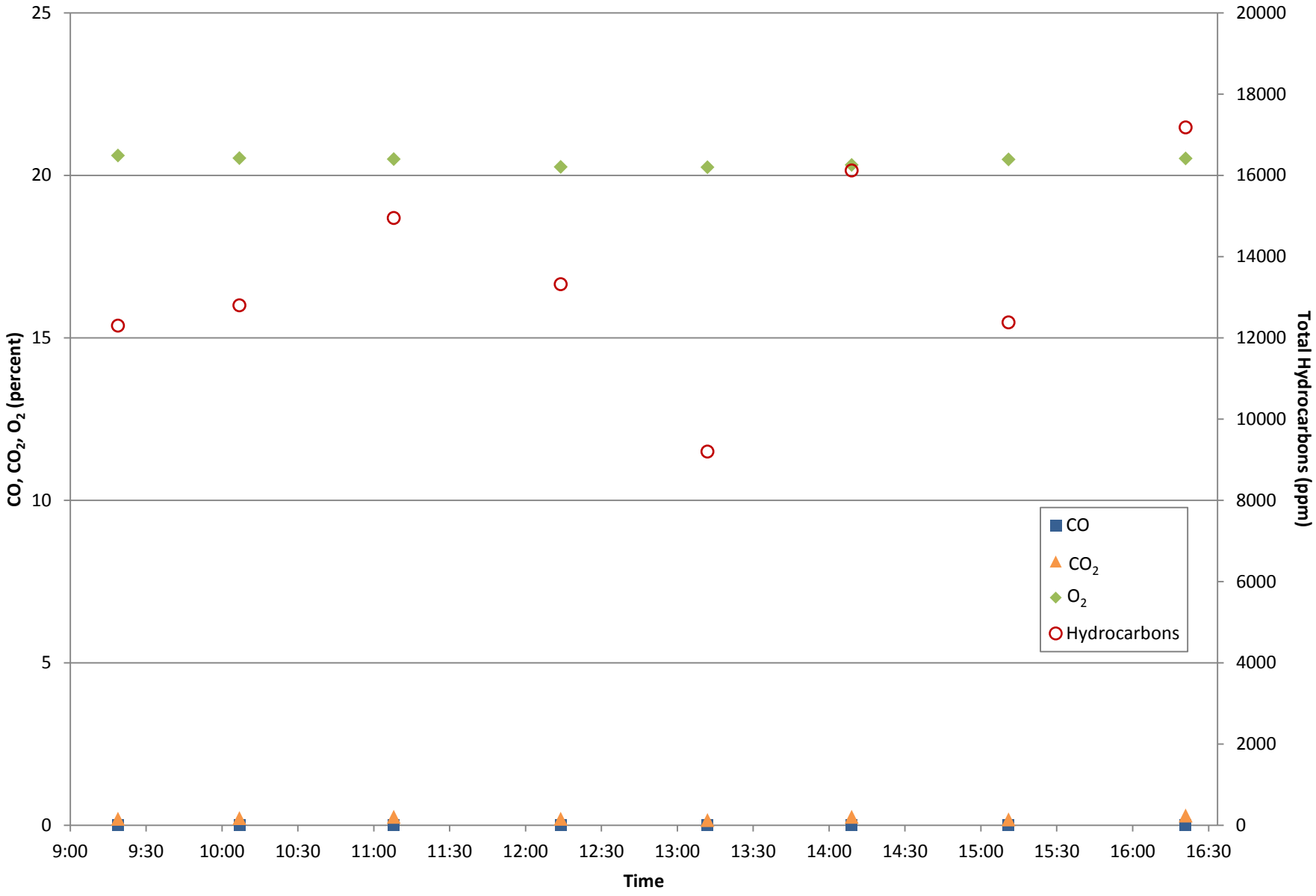

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Figure L-29: Extraction Well Vapor Measurements for Test 5DTKAFB106121-450

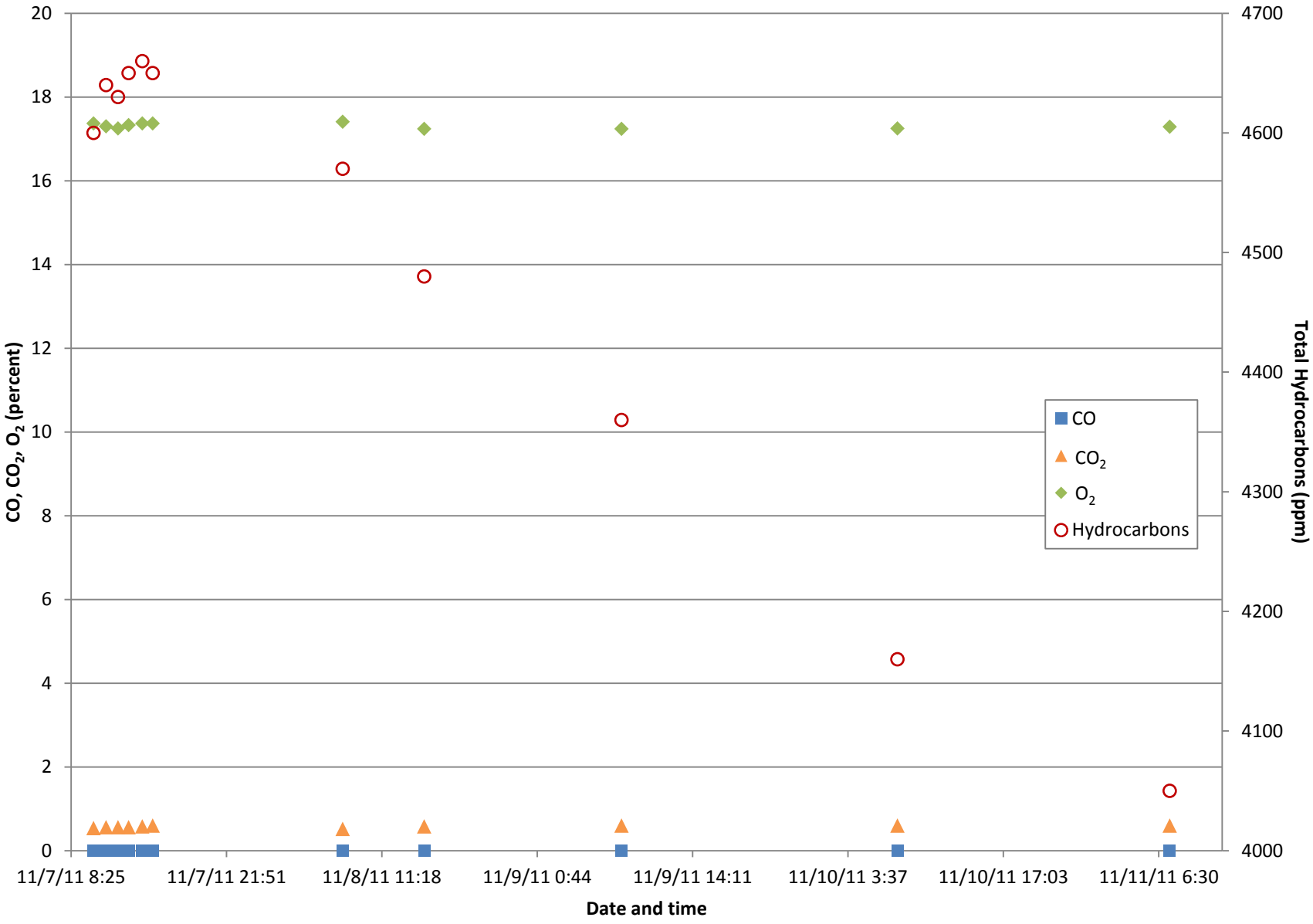

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Figure L-30 Extraction Well Vapor Measurements for Test 5DTSVEW-05

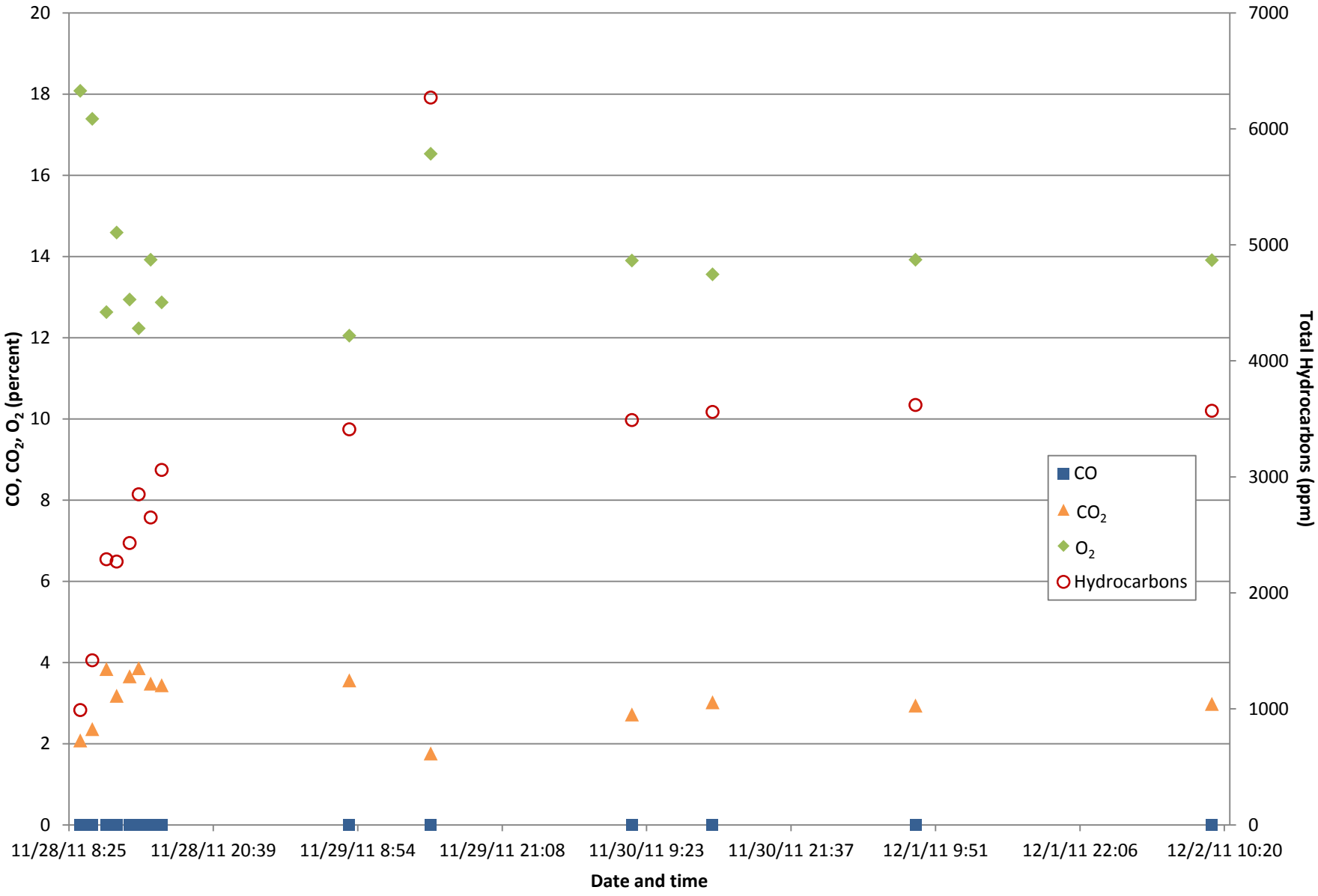

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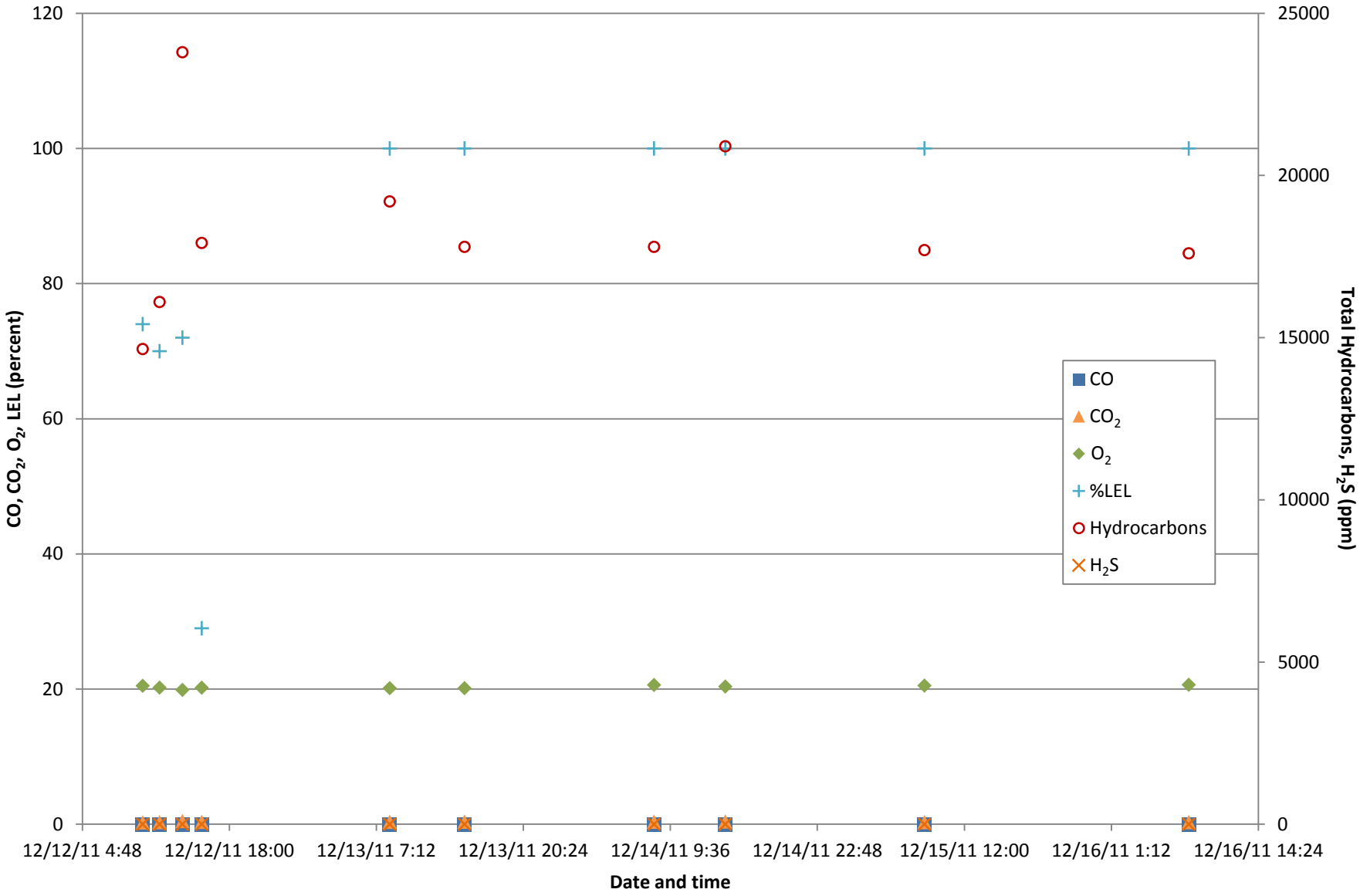
Figure L-31 Extraction Well Vapor Measurements for Test 5DTKAFB106149-484



O_2 Oxygen

ppm parts per million

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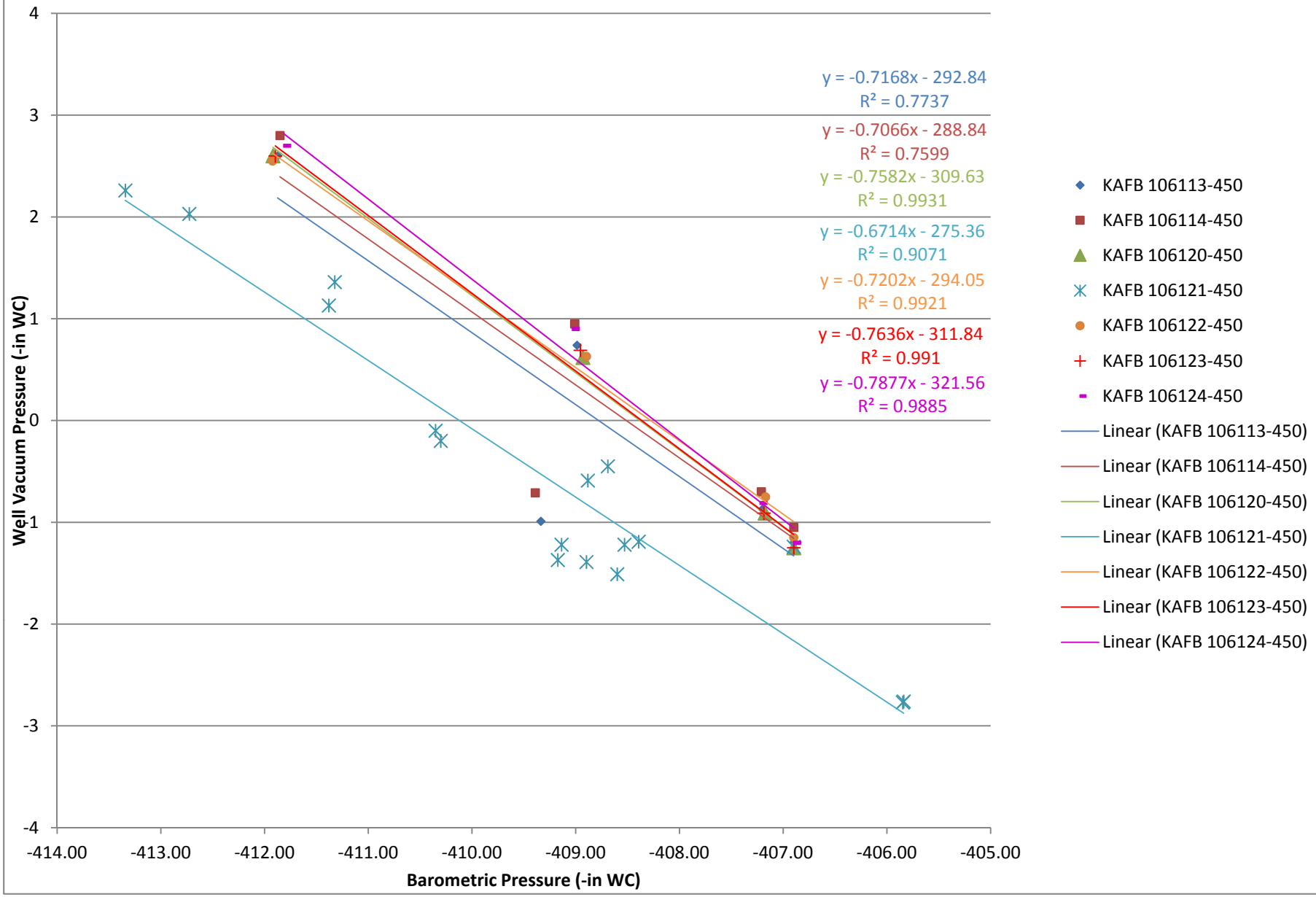
Figure L-32: Barometric Efficiency of 450 ft Wells



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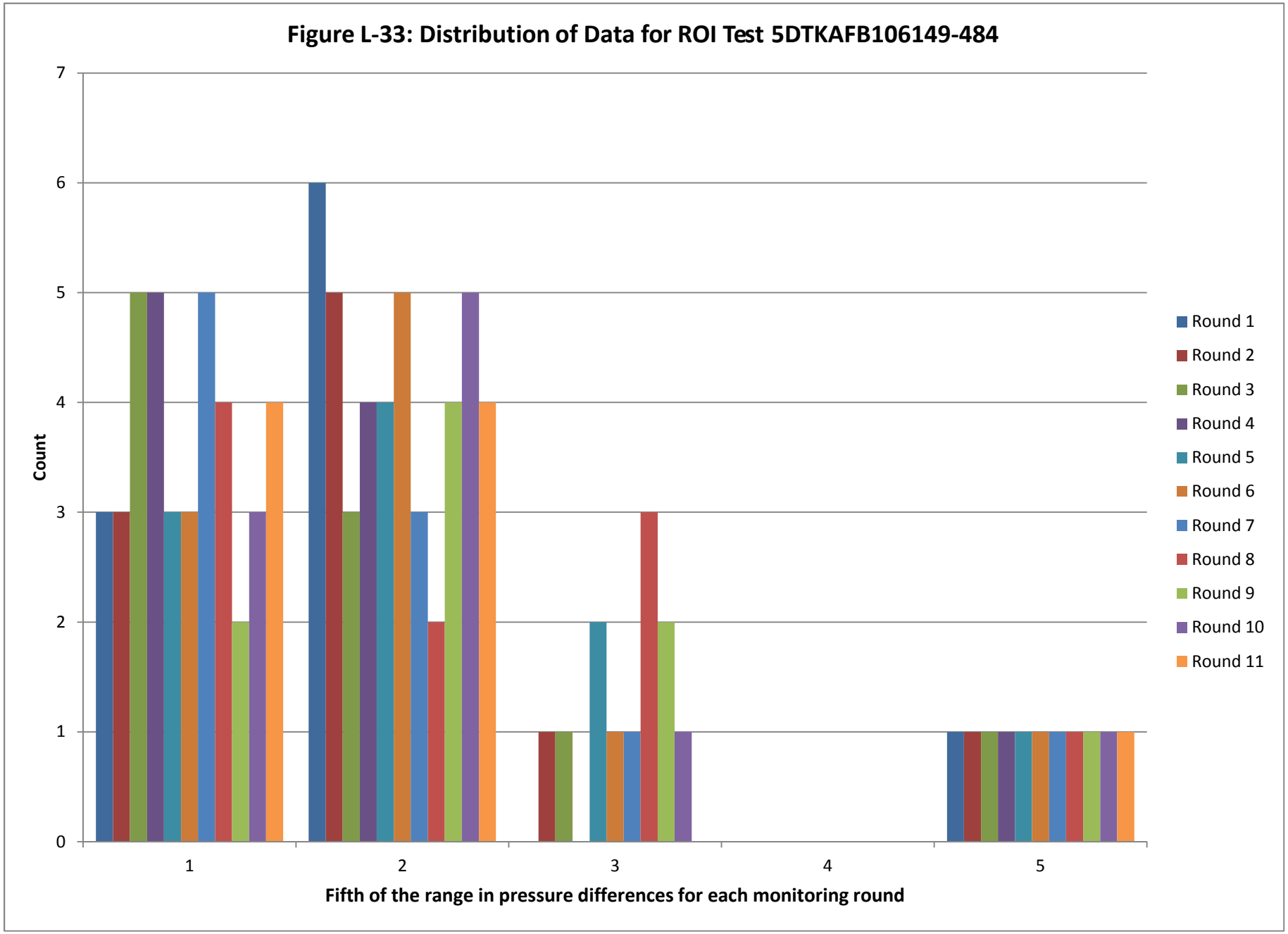
Figure L-33: Distribution of Data for ROI Test 5DTKAFB106149-484
Count
0
1
2
3
4
5
6
7
1
2
3
4
5
Fifth of the range in pressure differences for each monitoring round
Round 1
Round 2
Round 3
Round 4
Round 5
Round 6
Round 7
Round 8
Round 9
Round 10
Round 11

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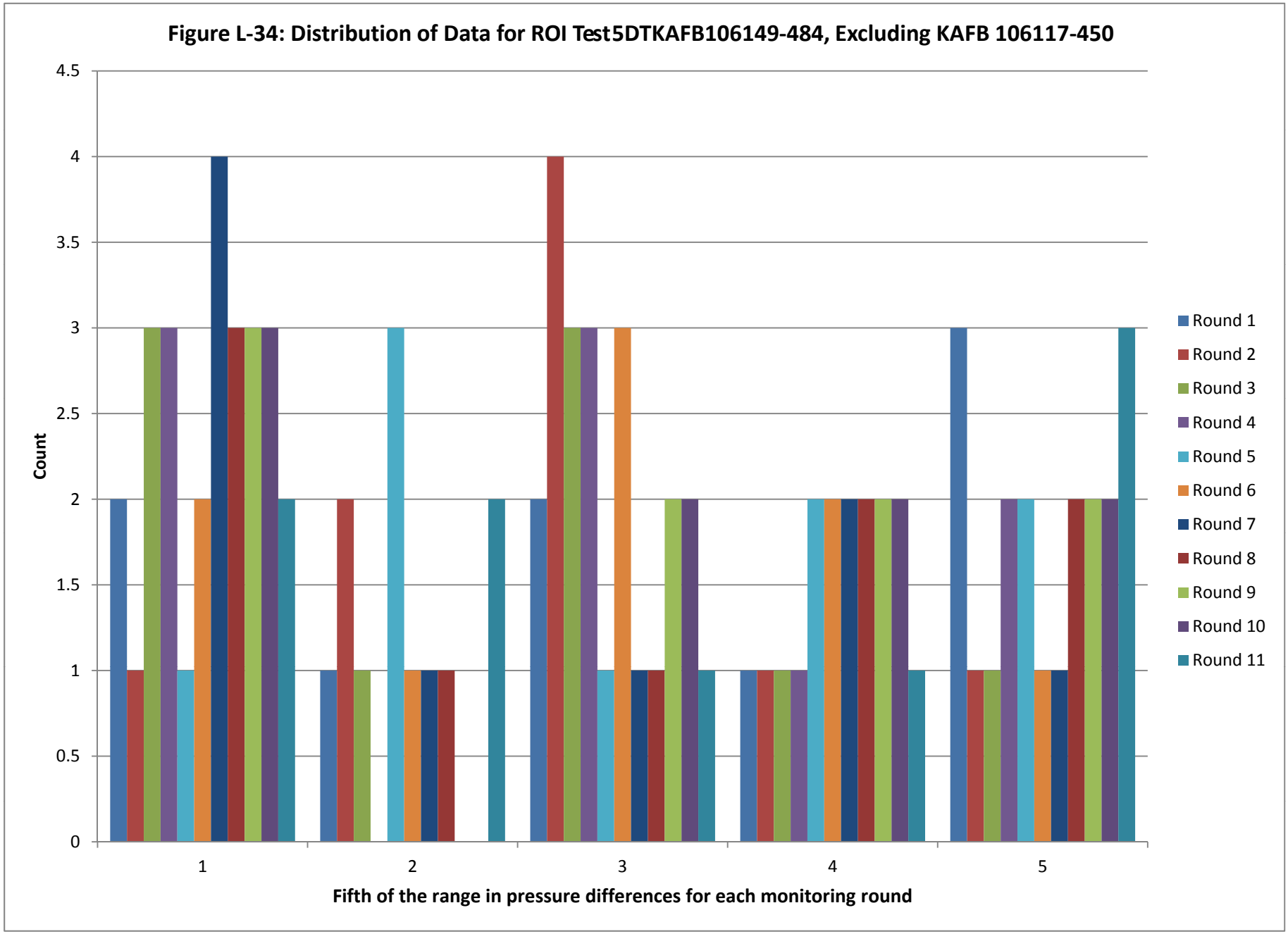
Figure L-34: Distribution of Data for ROI Test5DTKAFB106149-484, Excluding KAFB 106117-450
Count
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1
2
3
4
5
Fifth of the range in pressure differences for each monitoring round
Round 1
Round 2
Round 3
Round 4
Round 5
Round 6
Round 7
Round 8
Round 9
Round 10
Round 11

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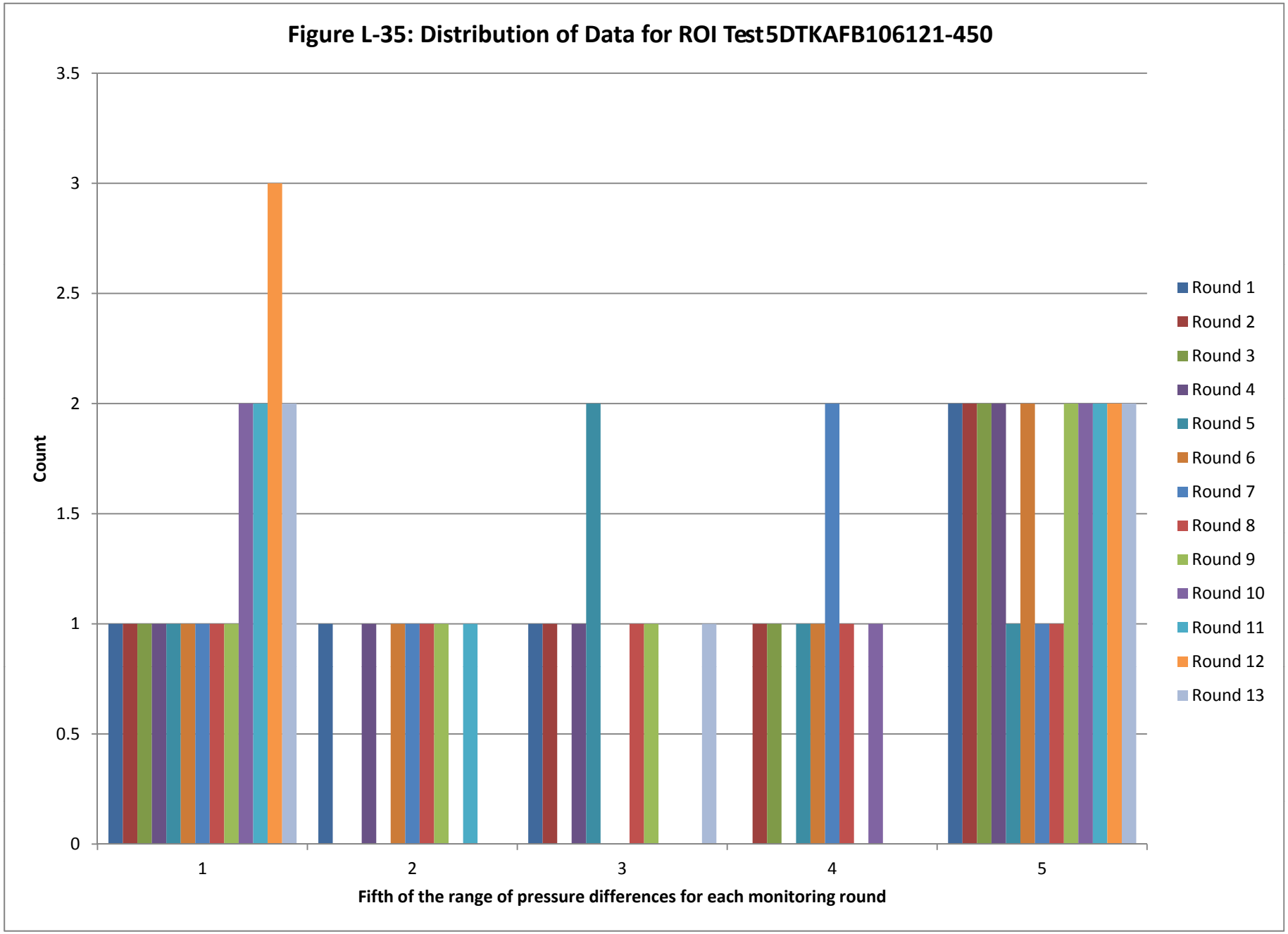
Figure L-35: Distribution of Data for ROI Test5DTKAFB106121-450
3.5
3
2.5
2
1.5
1
0.5
0
Count
1
2
3
4
5
Fifth of the range of pressure differences for each monitoring round
Round 1
Round 2
Round 3
Round 4
Round 5
Round 6
Round 7
Round 8
Round 9
Round 10
Round 11
Round 12
Round 13

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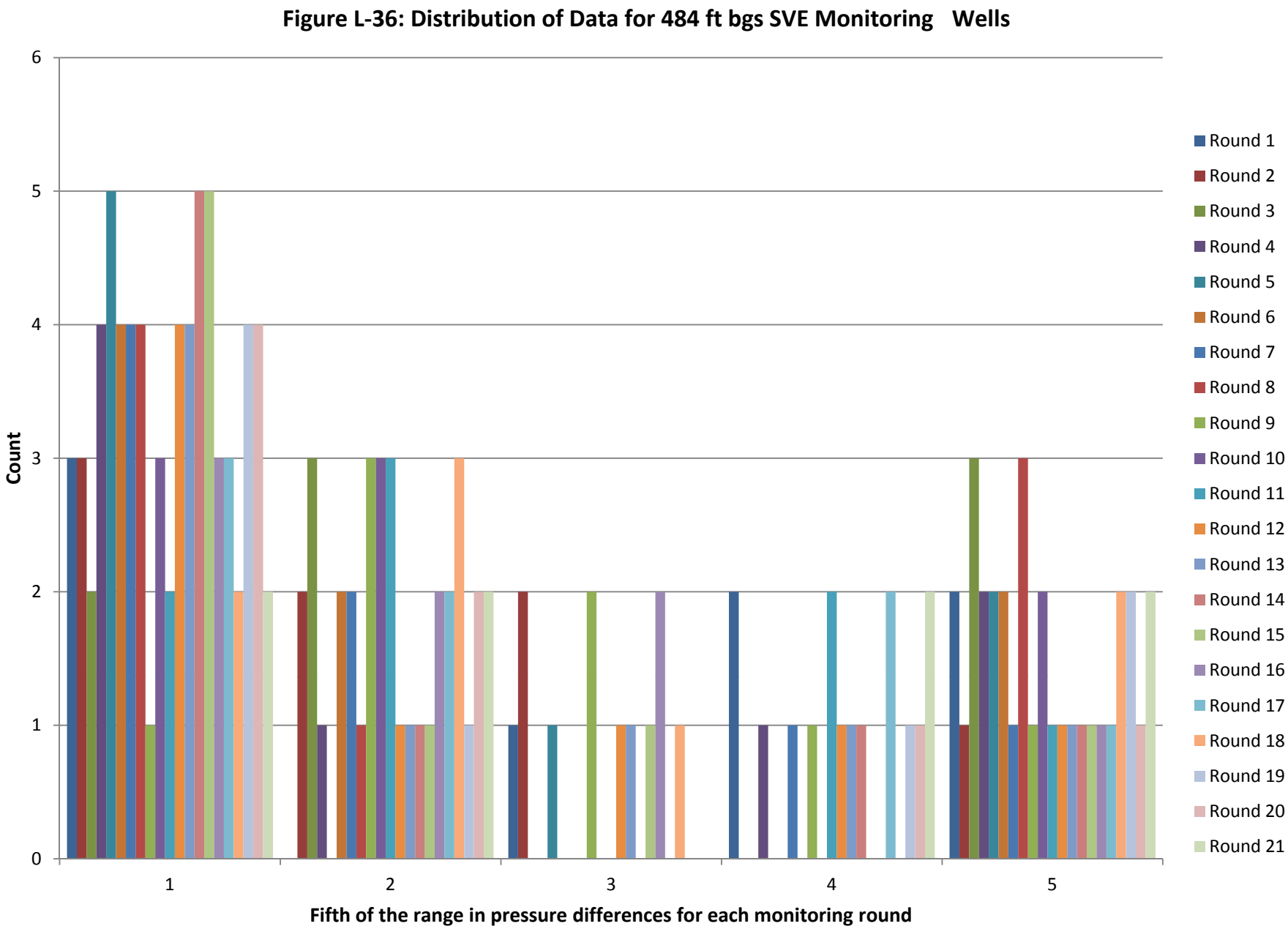
Figure L-36: Distribution of Data for 484 ft bgs SVE Monitoring Wells
Count
0
1
2
3
4
5
6
1
2
3
4
5
Fifth of the range in pressure differences for each monitoring round
Round 1
Round 2
Round 3
Round 4
Round 5
Round 6
Round 7
Round 8
Round 9
Round 10
Round 11
Round 12
Round 13
Round 14
Round 15
Round 16
Round 17
Round 18
Round 19
Round 20
Round 21

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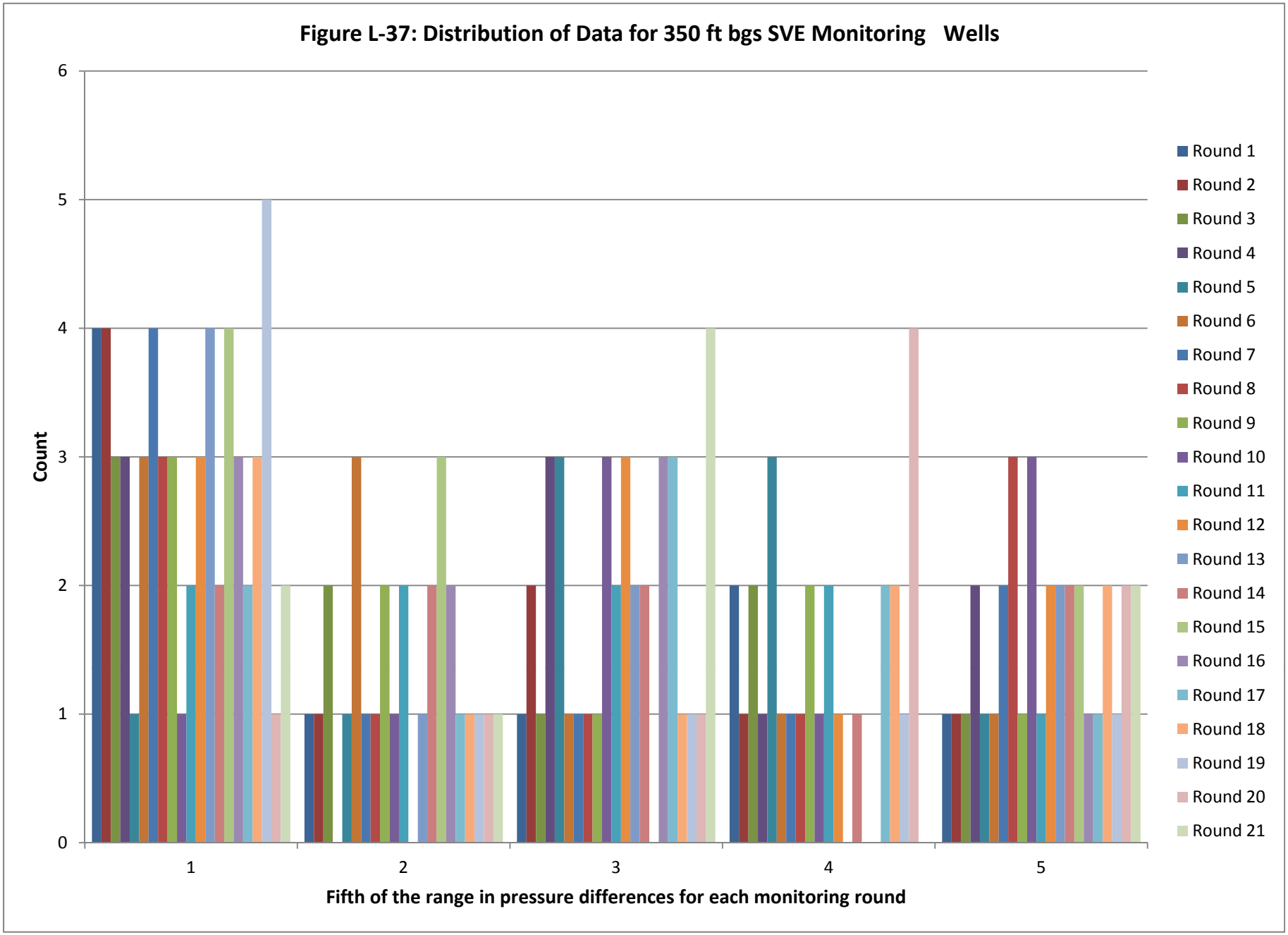
Figure L-37: Distribution of Data for 350 ft bgs SVE Monitoring Wells
Count
0
1
2
3
4
5
6
1
2
3
4
5
Fifth of the range in pressure differences for each monitoring round
Round 1
Round 2
Round 3
Round 4
Round 5
Round 6
Round 7
Round 8
Round 9
Round 10
Round 11
Round 12
Round 13
Round 14
Round 15
Round 16
Round 17
Round 18
Round 19
Round 20
Round 21

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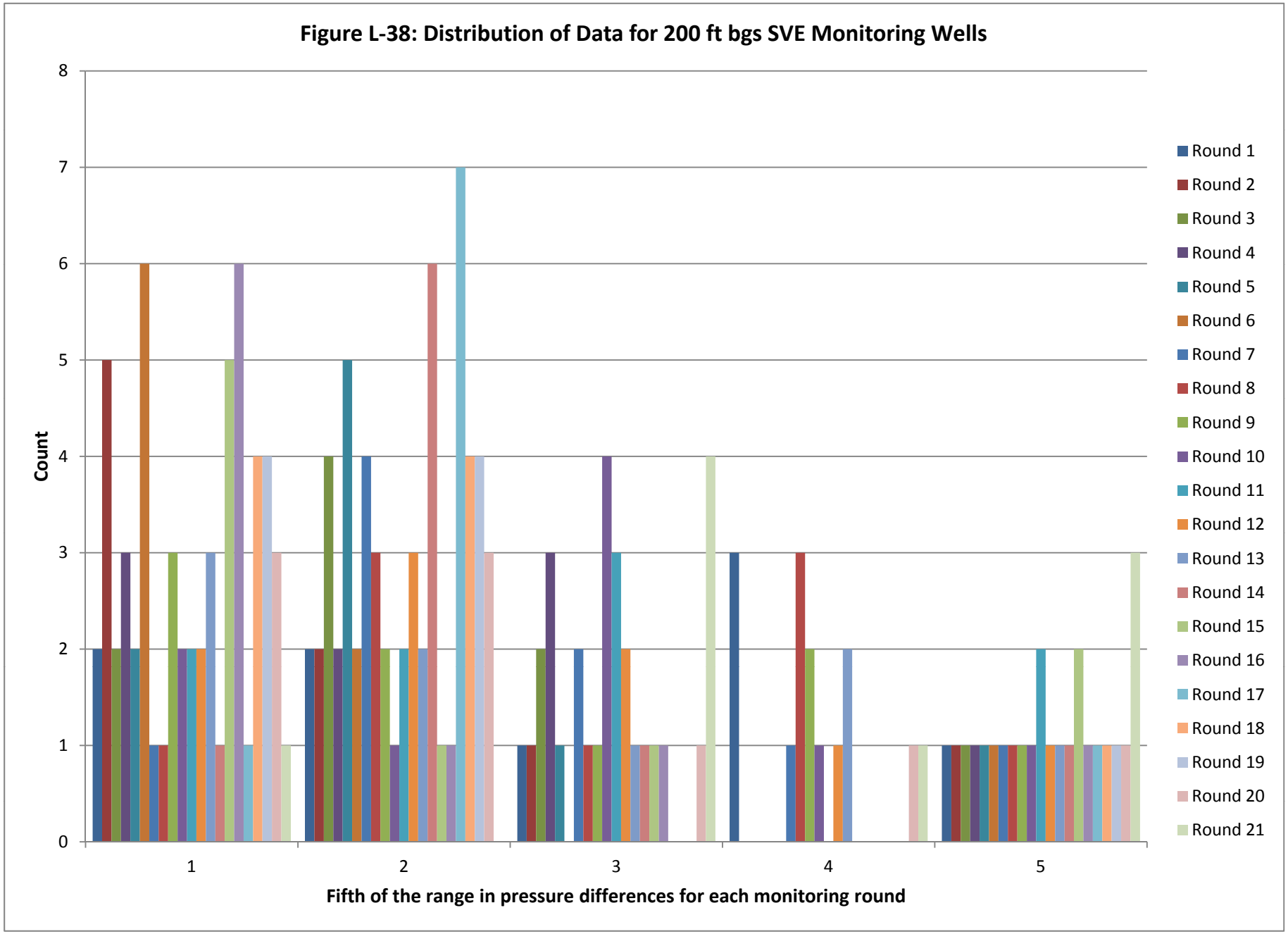
Figure L-38: Distribution of Data for 200 ft bgs SVE Monitoring Wells
Count
0
1
2
3
4
5
6
7
8
1
2
3
4
5
Fifth of the range in pressure differences for each monitoring round
Round 1
Round 2
Round 3
Round 4
Round 5
Round 6
Round 7
Round 8
Round 9
Round 10
Round 11
Round 12
Round 13
Round 14
Round 15
Round 16
Round 17
Round 18
Round 19
Round 20
Round 21

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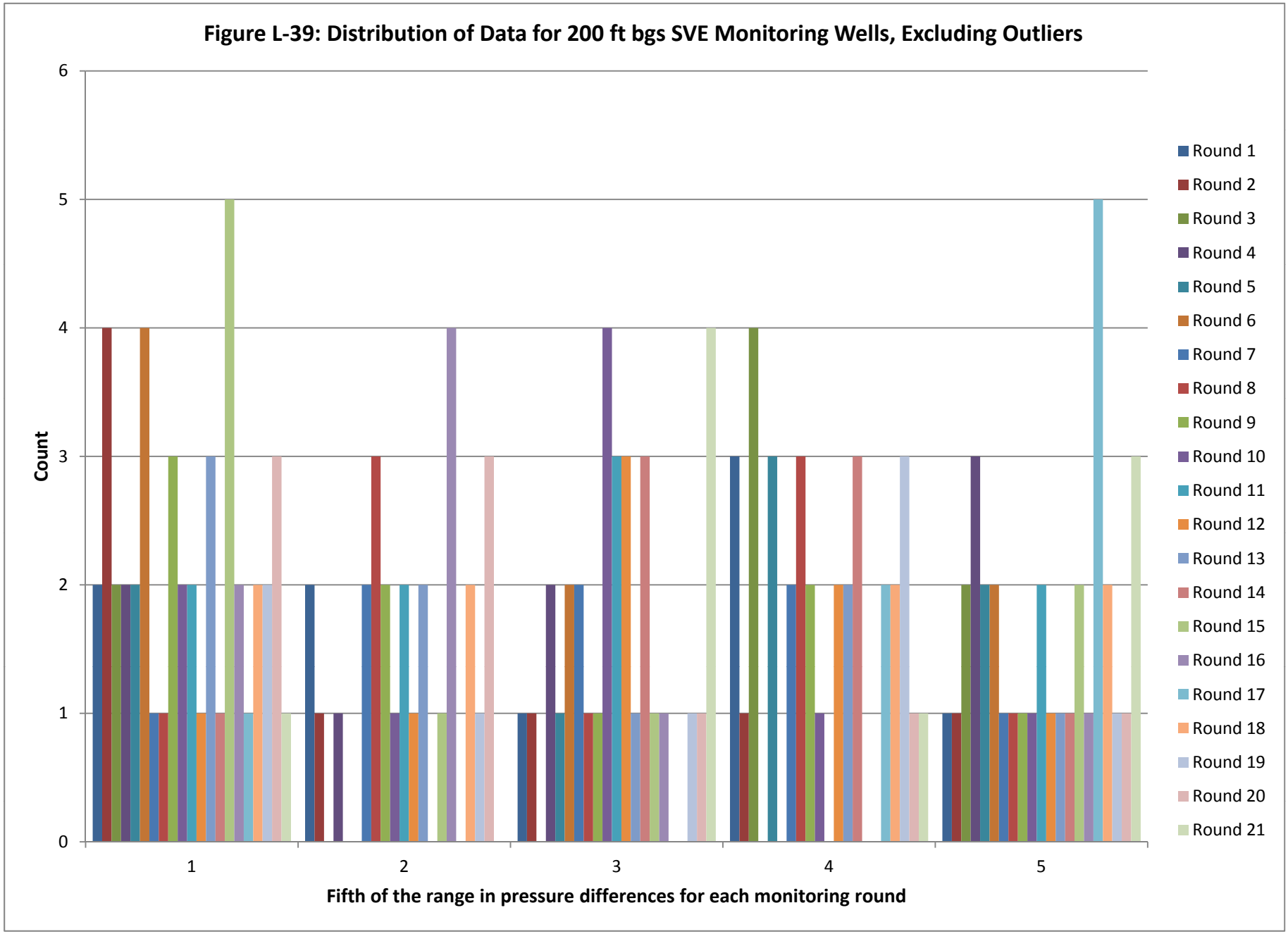
Figure L-39: Distribution of Data for 200 ft bgs SVE Monitoring Wells, Excluding Outliers
Count
0
1
2
3
4
5
6
1
2
3
4
5
Fifth of the range in pressure differences for each monitoring round
Round 1
Round 2
Round 3
Round 4
Round 5
Round 6
Round 7
Round 8
Round 9
Round 10
Round 11
Round 12
Round 13
Round 14
Round 15
Round 16
Round 17
Round 18
Round 19
Round 20
Round 21

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Tables

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Table L-1
Summary of ROI Tests Completed

Test Name	Test Type	Extraction Well	Monitoring Wells (all depths)	Horizontal Distance From Test Well (ft)	Test Dates
SWTKAFB106121-450	Single Well Test	KAFB-106121-450	KAFB-106121	0	11/2/2011
SWTSVEW-01	Single Well Test	SVEW-01	SVEW-02/03	10	11/14/2011
			SVEW-04/05	12	
			SVEW-06/07	187	
			SVEW-08/09	195	
SWTSVEW-05	Single Well Test	SVEW-05	SVEW-01	12	11/15/2011
			SVEW-02/03	21	
			SVEW-04	0	
			SVEW-06/07	176	
			SVEW-08/09	183	
SWTKAFB106117-450	Single Well Test	KAFB-106117-450	KAFB-106117	0	11/16/2011
SWTKAFB106149-484	Single Well Test	KAFB-106149-484	KAFB-106149	0	11/17/2011
5DTKAFB106121-450	Five Day Test	KAFB-106121-450	KAFB-106121	0	11/7/11 - 11/11/11
			KAFB-106120	95	
			KAFB-106122	75	
			KAFB-106123	61	
			KAFB-106113	261	
			KAFB-106114	362	
			KAFB-106131	381	
5DTSVEW-05	Five Day Test	SVEW-05	SVEW-02/03	21	11/28/11 - 12/2/11
			SVEW-04/05	0	
			SVMW-02	131	
			SVMW-03	112	
			SVMW-04	156	
			SVMW-08	139	
			SVMW-09	90	
			SVMW-10	40	
			SVMW-11	51	
			KAFB-106148	96	
			KAFB-106119	203	
			SVEW-06/07	176	
			SVEW-08/09	183	
			KAFB-106121	964	
5DTKAFB106149-484	Five Day Test	KAFB 106149-484	KAFB-106111	429	12/12/11 - 12/16/11
			KAFB-106112	221	
			KAFB-106113	401	
			KAFB-106114	317	
			KAFB-106116	161	
			KAFB-106117	29	
			KAFB-106119	201	
			KAFB-106121	643	
			KAFB-106128	205	
			KAFB-106129	393	
			KAFB-106149	0	
			SVMW-03	266	
			SVMW-15	227	

ROI - Radius of Influence

ft - feet

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Table L-2
SVE Monitoring Well Network

Monitoring Well ID	Distance (ft) from Extraction Well					Minimum Distance to an Extraction Well (ft)
	KAFB 106149	KAFB 106160	KAFB 106161	SVEW 01	SVEW 05	
KAFB 106148-484	280	132	426	126	96	96
KAFB 106148-349	280	138	428	84	136	84
KAFB 106148-194	322	236	469	98	269	98
KAFB 106149-349	5	251	153	364	387	5
KAFB 106149-194	205	316	245	368	451	205
KAFB 106150-484	182	68	261	397	394	68
KAFB 106150-350	182	79	264	385	405	79
KAFB 106150-200	238	202	323	388	464	202
KAFB 106151-484	375	205	466	349	343	205
KAFB 106151-350	375	209	468	336	356	209
KAFB 106151-200	405	280	503	339	422	280
KAFB 106152-484	356	406	339	568	570	339
KAFB 106152-350	356	408	341	560	578	341
KAFB 106152-194	390	451	392	562	623	390
KAFB 106153-484	429	631	308	763	768	308
KAFB 106153-350	429	632	311	757	774	311
KAFB 106153-200	456	659	362	758	806	362
KAFB 106154-484	176	275	181	456	458	176
KAFB 106154-350	176	278	185	446	468	176
KAFB 106154-197	236	336	265	449	521	236
KAFB 106155-484	413	570	271	783	788	271
KAFB 106155-350	413	571	274	777	794	274
KAFB 106155-200	441	601	331	778	825	331
KAFB 106156-484	464	404	599	272	255	255
KAFB 106156-341	464	406	601	258	275	258
KAFB 106156-178	496	456	635	267	369	267

ft - foot/feet

ID - identification

KAFB - Kirtland Air Force Base

SVE - Soil Vapor Extraction

SVEW - Soil Vapor Extraction Well

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Table L-3
Data Collected for ROI Test SWTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106121-350	Monitor	350	10	Vacuum	-in-WC	11/2/2011 8:33	1	0-20" magnehelic gauge	
						11/2/2011 8:35	1	0-4" magnehelic gauge	
						11/2/2011 8:40	1	0-4" magnehelic gauge	
						11/2/2011 9:04	1.25	0-4" magnehelic gauge	
						11/2/2011 9:27	1.3	0-4" magnehelic gauge	
						11/2/2011 9:55	1.6	0-4" magnehelic gauge	
						11/2/2011 10:30	1.7	0-4" magnehelic gauge	
						11/2/2011 11:00	2	0-4" magnehelic gauge	
						11/2/2011 12:00	2.2	0-4" magnehelic gauge	
						11/2/2011 13:00	2.1	0-4" magnehelic gauge	
						11/2/2011 14:00	2.1	0-4" magnehelic gauge	
						11/2/2011 15:00	2.1	0-4" magnehelic gauge	
						11/2/2011 16:00	2.1	0-4" magnehelic gauge	
KAFB 106121-250	Monitor	250	10	Vacuum	-in-WC	11/2/2011 8:35	1.2	0-4" magnehelic gauge	
						11/2/2011 8:40	1.3		
						11/2/2011 9:04	1.4		
						11/2/2011 9:27	1.5		
						11/2/2011 9:55	1.7		
						11/2/2011 10:30	1.8		
						11/2/2011 11:00	2		
						11/2/2011 12:00	2.3		
						11/2/2011 13:00	2.1		
						11/2/2011 14:00	2		
						11/2/2011 15:00	1.9		
						11/2/2011 16:00	2		

Table L-3
Data Collected for ROI Test SWTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106121-145	Monitor	145	10	Vacuum	-in-WC	11/2/2011 8:35	1.3	0-4" magnehelic gauge	
						11/2/2011 8:40	1.4		
						11/2/2011 9:04	1.5		
						11/2/2011 9:27	1.6		
						11/2/2011 9:55	1.7		
						11/2/2011 10:30	1.8		
						11/2/2011 11:00	2		
						11/2/2011 12:00	2.2		
						11/2/2011 13:00	1.9		
						11/2/2011 14:00	1.8		
						11/2/2011 15:00	1.8		
						11/2/2011 16:00	1.8		
KAFB 106121-50	Monitor	50	10	Vacuum	-in-WC	11/2/2011 8:35	0.5	0-4" magnehelic gauge	
						11/2/2011 8:40	0.5		
						11/2/2011 9:04	0.5		
						11/2/2011 9:27	0.4		
						11/2/2011 9:55	0.4		
						11/2/2011 10:30	0.4		
						11/2/2011 11:00	0.4		
						11/2/2011 12:00	0.3		
						11/2/2011 13:00	0.1		
						11/2/2011 14:00	0.1		
						11/2/2011 15:00	0.1		
						11/2/2011 16:00	0.1		

Table L-3
Data Collected for ROI Test SWTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106121-25	Monitor	25	10	Vacuum	-in-WC	11/2/2011 8:40	0.6	0-4" magnehelic gauge	
						11/2/2011 9:04	0.6		
						11/2/2011 9:27	0.5		
						11/2/2011 9:55	0.6		
						11/2/2011 10:30	0.5		
						11/2/2011 11:00	0.5		
						11/2/2011 12:00	0.4		
						11/2/2011 13:00	0.2		
						11/2/2011 14:00	0.1		
						11/2/2011 15:00	0.1		
						11/2/2011 16:00	0.1		
KAFB 106121-450	Extraction	450	10	Vacuum	-in-WC	11/2/2011 8:38	19		Engine readout
						11/2/2011 8:49	13	0-20" magnehelic gauge	
						11/2/2011 9:02	15	0-20" magnehelic gauge	
						11/2/2011 9:26	19	Hg pressure gauge	
						11/2/2011 9:57	20	0-60" magnehelic gauge	
						11/2/2011 10:30	20	0-60" magnehelic gauge	
						11/2/2011 11:00	20	0-60" magnehelic gauge	
						11/2/2011 12:00	20	0-60" magnehelic gauge	
						11/2/2011 13:00	20	0-60" magnehelic gauge	
						11/2/2011 14:00	20	0-60" magnehelic gauge	
						11/2/2011 15:00	20	0-60" magnehelic gauge	
						11/2/2011 16:00	20	0-60" magnehelic gauge	

Table L-3
Data Collected for ROI Test SWTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106121-450	Extraction	450	10	Flow Rate	ft^3/min	11/2/2011 8:31	33.6	Hot-wire anemometer	
						11/2/2011 8:38	36		
						11/2/2011 9:02	49		
						11/2/2011 9:26	54		
						11/2/2011 9:57	54		
						11/2/2011 10:30	55		
						11/2/2011 11:00	71		
						11/2/2011 12:00	59		
						11/2/2011 13:00	84		
						11/2/2011 14:00	93		
						11/2/2011 15:00	72		
						11/2/2011 16:00	88		
KAFB 106121-450	Extraction	450	10	Temperature	^{0}F	11/2/2011 8:31	46.9	Hot-wire anemometer	
						11/2/2011 8:38	50.5		
						11/2/2011 9:02	49.8		
						11/2/2011 9:26	51.7		
						11/2/2011 9:57	52.8		
						11/2/2011 10:30	46.7		
						11/2/2011 11:00	52.8		
						11/2/2011 12:00	56.8		
						11/2/2011 13:00	67.2		
						11/2/2011 14:00	64.3		
						11/2/2011 15:00	62.9		
						11/2/2011 16:00	65.2		

Table L-3
Data Collected for ROI Test SWTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106121-450	Extraction	450	10	CO_2	Percent	11/2/2011 9:16	0.48	Horiba	
						11/2/2011 10:08	0.5		
						11/2/2011 11:13	0.36		
						11/2/2011 12:11	0.52		
						11/2/2011 13:03	0.54		
						11/2/2011 14:03	0.34		
						11/2/2011 15:02	0.56		Stopper added to Horiba to seal port
						11/2/2011 16:05	0.54		
KAFB 106121-450	Extraction	450	10	O_2	Percent	11/2/2011 9:16	17.48	Horiba	
						11/2/2011 10:08	17.98		
						11/2/2011 11:13	18.55		
						11/2/2011 12:11	17.69		
						11/2/2011 13:03	17.41		
						11/2/2011 14:03	18.47		
						11/2/2011 15:02	17.31		Stopper added to Horiba to seal port
						11/2/2011 16:05	17.34		

Table L-3
Data Collected for ROI Test SWTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106121-450	Extraction	450	10	Hydrocarbon	PPM	11/2/2011 8:42	6000	Horiba	Engine readout
						11/2/2011 9:04	6200		Engine readout
						11/2/2011 9:16	4340		
						11/2/2011 10:08	4100		
						11/2/2011 11:13	3120		
						11/2/2011 12:11	4130		
						11/2/2011 13:03	4550		
						11/2/2011 14:03	3030		
						11/2/2011 15:02	4590		Stopper added to Horiba to seal port
						11/2/2011 16:05	4590		

"	inches
^{0}F	degrees Fahrenheit
BGS	below ground surface
CO_2	Carbon dioxide
ft	foot (feet)
ft^3/min	cubic feet per minute
Horiba	Horiba Mexa-584L
ID	Identification
-in-WC	Vacuum pressure, negative inches of Water Column
KAFB	Kirtland Air Force Base
O_2	Oxygen
PPM	parts per million

Table L-4
Data Collected for ROI Test SWTSVEW-01

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 02	Monitor	60	15	Vacuum	-in-WC	11/14/2011 9:03	0.02	0-1" magnehelic gauge	
						11/14/2011 9:44	-0.07	0-1" magnehelic gauge	
						11/14/2011 10:04	-0.14	0-1" magnehelic gauge	
						11/14/2011 10:32	-0.22	0-1" magnehelic gauge	
						11/14/2011 11:02	-0.35	0-1" magnehelic gauge	
						11/14/2011 12:04	-0.44	0-1" magnehelic gauge	
						11/14/2011 13:02	-0.53	0-1" magnehelic gauge	
						11/14/2011 14:04	-0.56	0-1" magnehelic gauge	
						11/14/2011 15:02	-0.45	0-1" magnehelic gauge	
						11/14/2011 16:01	-0.34	0-1" magnehelic gauge	
SVEW 03	Monitor	160	15	Vacuum	-in-WC	11/14/2011 9:03	-0.58	0-1" magnehelic gauge	
						11/14/2011 9:44	-0.65	0-1" magnehelic gauge	
						11/14/2011 10:04	-0.7	0-1" magnehelic gauge	
						11/14/2011 10:32	-0.82	0-1" magnehelic gauge	
						11/14/2011 11:02	-1.02	0-2" magnehelic gauge	
						11/14/2011 12:04	-1.35	0-2" magnehelic gauge	
						11/14/2011 13:02	-1.65	0-2" magnehelic gauge	
						11/14/2011 14:04	-2	0-4" magnehelic gauge	
						11/14/2011 15:02	-2	0-4" magnehelic gauge	
						11/14/2011 16:01	-1.9	0-2" magnehelic gauge	

Table L-4
Data Collected for ROI Test SWTSVEW-01

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 04	Monitor	313	15	Vacuum	-in-WC	11/14/2011 9:03	8	0-20" magnehelic gauge	
						11/14/2011 9:44	17	0-20" magnehelic gauge	
						11/14/2011 10:04	19.5	0-20" magnehelic gauge	
						11/14/2011 10:32	19.5	0-20" magnehelic gauge	
						11/14/2011 11:02	21	0-60" magnehelic gauge	
						11/14/2011 12:04	19.5	0-20" magnehelic gauge	
						11/14/2011 13:02	19.5	0-20" magnehelic gauge	
						11/14/2011 14:04	18.5	0-20" magnehelic gauge	
						11/14/2011 15:02	18.5	0-20" magnehelic gauge	
						11/14/2011 16:01	18	0-20" magnehelic gauge	
SVEW 05	Monitor	460	15	Vacuum	-in-WC	11/14/2011 9:03	-1.05	0-2" magnehelic gauge	
						11/14/2011 9:44	-1.15	0-2" magnehelic gauge	
						11/14/2011 10:04	-1.25	0-2" magnehelic gauge	
						11/14/2011 10:32	-1.35	0-2" magnehelic gauge	
						11/14/2011 11:02	-1.55	0-2" magnehelic gauge	
						11/14/2011 12:04	-0.85	0-1" magnehelic gauge	
						11/14/2011 13:02	-2.2	0-4" magnehelic gauge	
						11/14/2011 14:04	-2.6	0-4" magnehelic gauge	
						11/14/2011 15:02	-2.55	0-4" magnehelic gauge	
						11/14/2011 16:01	-2.55	0-4" magnehelic gauge	

Table L-4
Data Collected for ROI Test SWTSVEW-01

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 06	Monitor	60	15	Vacuum	-in-WC	11/14/2011 9:03	0		gauge not recorded
						11/14/2011 9:44	-0.02	0-1" magnehelic gauge	
						11/14/2011 10:04	-0.1	0-1" magnehelic gauge	
						11/14/2011 10:32	-0.17	0-1" magnehelic gauge	
						11/14/2011 11:02	-0.28	0-1" magnehelic gauge	
						11/14/2011 12:04	-0.36	0-1" magnehelic gauge	
						11/14/2011 13:02	-0.38	0-1" magnehelic gauge	
						11/14/2011 14:04	-0.4	0-1" magnehelic gauge	
						11/14/2011 15:02	-0.28	0-1" magnehelic gauge	
						11/14/2011 16:01	-0.19	0-1" magnehelic gauge	
SVEW 07	Monitor	160	15	Vacuum	-in-WC	11/14/2011 9:03	-0.78	0-1" magnehelic gauge	
						11/14/2011 9:44	-0.84	0-1" magnehelic gauge	
						11/14/2011 10:04	-0.9	0-1" magnehelic gauge	
						11/14/2011 10:32	-1	0-1" magnehelic gauge	
						11/14/2011 11:02	-1.35	0-2" magnehelic gauge	
						11/14/2011 12:04	-1.5	0-2" magnehelic gauge	
						11/14/2011 13:02	-1.8	0-2" magnehelic gauge	
						11/14/2011 14:04	-2.1	0-4" magnehelic gauge	
						11/14/2011 15:02	-2.15	0-4" magnehelic gauge	
						11/14/2011 16:01	-2.1	0-4" magnehelic gauge	

Table L-4
Data Collected for ROI Test SWTSVEW-01

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 08	Monitor	260	15	Vacuum	-in-WC	11/14/2011 9:03	-4.5	0-20" magnehelic gauge	
						11/14/2011 9:44	-4.5	0-20" magnehelic gauge	
						11/14/2011 10:04	-4.5	0-20" magnehelic gauge	
						11/14/2011 10:32	-4.5	0-20" magnehelic gauge	
						11/14/2011 11:02	-4.7	0-20" magnehelic gauge	
						11/14/2011 12:04	-5	0-20" magnehelic gauge	
						11/14/2011 13:02	-5	0-20" magnehelic gauge	
						11/14/2011 14:04	-5.5	0-20" magnehelic gauge	
						11/14/2011 15:02	-5.5	0-20" magnehelic gauge	
						11/14/2011 16:01	-5	0-20" magnehelic gauge	
SVEW 09	Monitor	460	14	Vacuum	-in-WC	11/14/2011 9:03	-1.9	0-2" magnehelic gauge	
						11/14/2011 9:44	-1.95	0-2" magnehelic gauge	
						11/14/2011 10:04	-2.1	0-4" magnehelic gauge	
						11/14/2011 10:32	-2.2	0-4" magnehelic gauge	
						11/14/2011 11:02	-2.4	0-4" magnehelic gauge	
						11/14/2011 12:04	-2.7	0-4" magnehelic gauge	
						11/14/2011 13:02	-3	0-4" magnehelic gauge	
						11/14/2011 14:04	-3.25	0-4" magnehelic gauge	
						11/14/2011 15:02	-3.35	0-4" magnehelic gauge	
						11/14/2011 16:01	-3.2	0-4" magnehelic gauge	

Table L-4
Data Collected for ROI Test SWTSVEW-01

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 01	Extraction	260	15	Vacuum	-in-WC	11/14/2011 8:56	34	0-60" magnehelic gauge	
						11/14/2011 9:42	35		
						11/14/2011 10:02	34		
						11/14/2011 10:30	33		
						11/14/2011 11:00	32		
						11/14/2011 12:02	32		
						11/14/2011 13:01	32		
						11/14/2011 14:02	14		Engine 1 found off around 13:45
						11/14/2011 15:00	32		
						11/14/2011 16:00	33		
SVEW 01	Extraction	260	15	Flow Rate	ft^3/min	11/14/2011 8:56	>33	Hot-wire anemometer	
						11/14/2011 9:42	>33		
						11/14/2011 10:02	>33		
						11/14/2011 10:30	>33		
						11/14/2011 11:00	>33		
						11/14/2011 12:02	>33		
						11/14/2011 13:01	>33		
						11/14/2011 14:02	>33		Engine 1 found off around 13:45
						11/14/2011 15:00	>33		
						11/14/2011 16:00	>33		

Table L-4
Data Collected for ROI Test SWTSVEW-01

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 01	Extraction	260	15	Temperature	^{0}F	11/14/2011 8:56	52.3	Hot-wire anemometer	
						11/14/2011 9:42	57.7		
						11/14/2011 10:02	59.7		
						11/14/2011 10:30	58.4		
						11/14/2011 11:00	63.6		
						11/14/2011 12:02	65.4		
						11/14/2011 13:01	71.5		
						11/14/2011 14:02	68.7		Engine 1 found off around 13:45
						11/14/2011 15:00	75.3		
						11/14/2011 16:00	77.6		
SVEW 01	Extraction	260	15	CO_2	percent	11/14/2011 9:37	0.4	Horiba	Vapors diluted 10X before measuring
						11/14/2011 10:23	0.26		
						11/14/2011 11:20	0.42		
						11/14/2011 12:15	0.52		
						11/14/2011 13:17	0.48		
						11/14/2011 14:17	0.52		
						11/14/2011 15:14	0.54		
						11/14/2011 16:14	0.66		
SVEW 01	Extraction	260	15	O_2	percent	11/14/2011 9:37	20.13	Horiba	Vapors diluted 10X before measuring
						11/14/2011 10:23	20.6		
						11/14/2011 11:20	20.09		
						11/14/2011 12:15	20.38		
						11/14/2011 13:17	20.24		
						11/14/2011 14:17	20.23		
						11/14/2011 15:14	20.31		
						11/14/2011 16:14	20.18		

Table L-4
Data Collected for ROI Test SWTSVEW-01

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 01	Extraction	260	15	Hydrocarbon	PPM	11/14/2011 9:37	8850	Horiba	Vapors diluted 10X before measuring
						11/14/2011 10:23	6060		
						11/14/2011 11:20	8270		
						11/14/2011 12:15	11640		
						11/14/2011 13:17	10650		
						11/14/2011 14:17	12000		
						11/14/2011 15:14	11620		
						11/14/2011 16:14	14240		

"	inches
^{0}F	degrees Fahrenheit
10X	ten times
BGS	below ground surface
CO_2	Carbon dioxide
ft	foot (feet)
ft^3/min	cubic feet per minute
Horiba	Horiba Mexa-584L
ID	Identification
-in-WC	Vacuum pressure, negative inches of Water Column
O_2	Oxygen
PPM	parts per million
SVEW	Soil Vapor Extraction Well

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Table L-5
Data Collected for ROI Test SWTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 01	Monitor	260	15	Vacuum	-in-WC	11/15/2011 8:39	-0.36	0-1" magnehelic gauge	
						11/15/2011 9:05	-0.31	0-1" magnehelic gauge	
						11/15/2011 9:29	-0.31	0-1" magnehelic gauge	
						11/15/2011 10:01	-0.22	0-1" magnehelic gauge	
						11/15/2011 10:32	-0.32	0-1" magnehelic gauge	
						11/15/2011 10:57	-0.42	0-1" magnehelic gauge	
						11/15/2011 12:03	-0.88	0-1" magnehelic gauge	
						11/15/2011 13:03	-1.28	0-2" magnehelic gauge	
						11/15/2011 14:05	-1.37	0-2" magnehelic gauge	
						11/15/2011 15:03	-1.4	0-2" magnehelic gauge	
						11/15/2011 16:02	-1.35	0-2" magnehelic gauge	
SVEW 02	Monitor	60	15	Vacuum	-in-WC	11/15/2011 8:39	14.55	0-20" magnehelic gauge	
						11/15/2011 9:05	0	0-1" magnehelic gauge	
						11/15/2011 9:29	-0.05	0-1" magnehelic gauge	
						11/15/2011 10:01	-0.12	0-1" magnehelic gauge	
						11/15/2011 10:32	-0.14	0-1" magnehelic gauge	
						11/15/2011 10:57	-0.22	0-1" magnehelic gauge	
						11/15/2011 12:03	-0.49	0-1" magnehelic gauge	
						11/15/2011 13:03	-0.62	0-1" magnehelic gauge	
						11/15/2011 14:05	-0.5	0-1" magnehelic gauge	
						11/15/2011 15:03	-0.46	0-1" magnehelic gauge	
						11/15/2011 16:02	-0.32	0-1" magnehelic gauge	

Table L-5
Data Collected for ROI Test SWTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 03	Monitor	160	15	Vacuum	-in-WC	11/15/2011 8:39	-0.33	0-1" magnehelic gauge	
						11/15/2011 9:05	-0.28	0-1" magnehelic gauge	
						11/15/2011 9:29	-0.27	0-1" magnehelic gauge	
						11/15/2011 10:01	-0.29	0-1" magnehelic gauge	
						11/15/2011 10:32	-0.28	0-1" magnehelic gauge	
						11/15/2011 10:57	-0.4	0-1" magnehelic gauge	
						11/15/2011 12:03	-0.87	0-1" magnehelic gauge	
						11/15/2011 13:03	-1.28	0-2" magnehelic gauge	
						11/15/2011 14:05	-1.35	0-2" magnehelic gauge	
						11/15/2011 15:03	-1.4	0-2" magnehelic gauge	
						11/15/2011 16:02	-1.33	0-2" magnehelic gauge	
SVEW 04	Monitor	313	15	Vacuum	-in-WC	11/15/2011 9:05	-0.1	0-1" magnehelic gauge	
						11/15/2011 9:29	-0.03	0-1" magnehelic gauge	
						11/15/2011 10:01	0	0-1" magnehelic gauge	
						11/15/2011 10:32	0	0-1" magnehelic gauge	
						11/15/2011 10:57	-0.08	0-1" magnehelic gauge	
						11/15/2011 12:03	-0.49	0-1" magnehelic gauge	
						11/15/2011 13:03	-1.87	0-2" magnehelic gauge	
						11/15/2011 14:05	-1	0-2" magnehelic gauge	
						11/15/2011 15:03	-1.05	0-2" magnehelic gauge	
						11/15/2011 16:02	-1	0-2" magnehelic gauge	

Table L-5
Data Collected for ROI Test SWTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 06	Monitor	60	15	Vacuum	-in-WC	11/15/2011 9:05	0	0-1" magnehelic gauge	
						11/15/2011 9:29	0	0-1" magnehelic gauge	
						11/15/2011 10:01	0	0-1" magnehelic gauge	
						11/15/2011 10:32	0	0-1" magnehelic gauge	
						11/15/2011 10:57	0	0-1" magnehelic gauge	
						11/15/2011 12:03	-0.29	0-1" magnehelic gauge	
						11/15/2011 13:03	-0.38	0-1" magnehelic gauge	
						11/15/2011 14:05	-0.25	0-1" magnehelic gauge	
						11/15/2011 15:03	-0.18	0-1" magnehelic gauge	
						11/15/2011 16:02	-0.08	0-1" magnehelic gauge	
SVEW 07	Monitor	160	15	Vacuum	-in-WC	11/15/2011 9:05	-0.36	0-1" magnehelic gauge	
						11/15/2011 9:29	-0.35	0-1" magnehelic gauge	
						11/15/2011 10:01	-0.37	0-1" magnehelic gauge	
						11/15/2011 10:32	-0.36	0-1" magnehelic gauge	
						11/15/2011 10:57	-0.48	0-1" magnehelic gauge	
						11/15/2011 12:03	-0.93	0-1" magnehelic gauge	
						11/15/2011 13:03	-1.34	0-2" magnehelic gauge	
						11/15/2011 14:05	-1.42	0-2" magnehelic gauge	
						11/15/2011 15:03	-1.47	0-2" magnehelic gauge	
						11/15/2011 16:02	-1.4	0-2" magnehelic gauge	
SVEW 08	Monitor	260	15	Vacuum	-in-WC	11/15/2011 9:05	-0.57	0-1" magnehelic gauge	
						11/15/2011 9:29	-0.53	0-1" magnehelic gauge	
						11/15/2011 10:01	-0.57	0-1" magnehelic gauge	
						11/15/2011 10:32	-0.59	0-1" magnehelic gauge	
						11/15/2011 10:57	-0.59	0-1" magnehelic gauge	
						11/15/2011 12:03	-0.84	0-1" magnehelic gauge	
						11/15/2011 13:03	-1.32	0-2" magnehelic gauge	
						11/15/2011 14:05	-1.4	0-2" magnehelic gauge	
						11/15/2011 15:03	-1.45	0-2" magnehelic gauge	
						11/15/2011 16:02	-1.39	0-2" magnehelic gauge	

Table L-5
Data Collected for ROI Test SWTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 09	Monitor	460	14	Vacuum	-in-WC	11/15/2011 9:05	-0.58	0-1" magnehelic gauge	
						11/15/2011 9:29	-0.54	0-1" magnehelic gauge	
						11/15/2011 10:01	-0.52	0-1" magnehelic gauge	
						11/15/2011 10:32	-0.48	0-1" magnehelic gauge	
						11/15/2011 10:57	-0.59	0-1" magnehelic gauge	
						11/15/2011 12:03	-0.98	0-1" magnehelic gauge	
						11/15/2011 13:03	-1.32	0-2" magnehelic gauge	
						11/15/2011 14:05	-1.4	0-2" magnehelic gauge	
						11/15/2011 15:03	-1.45	0-2" magnehelic gauge	
						11/15/2011 16:02	-1.37	0-2" magnehelic gauge	
SVEW 05	Extraction	460	15	Vacuum	-in-WC	11/15/2011 8:37	46	0-60" magnehelic gauge	
						11/15/2011 9:05	>60	0-60" magnehelic gauge	
						11/15/2011 9:26	>60	0-60" magnehelic gauge	
						11/15/2011 9:59	>60	0-60" magnehelic gauge	
						11/15/2011 10:31	>60	0-60" magnehelic gauge	
						11/15/2011 10:56	>60	0-60" magnehelic gauge	
						11/15/2011 12:02	>60	0-60" magnehelic gauge	
						11/15/2011 13:02	>60	0-60" magnehelic gauge	
						11/15/2011 14:03	102		average of engine readouts
						11/15/2011 15:00	103		average of engine readouts
						11/15/2011 16:00	104		average of engine readouts

Table L-5
Data Collected for ROI Test SWTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 05	Extraction	460	15	Flow rate	ft^3/min	11/15/2011 8:37	>33	Hot-wire anemometer	
						11/15/2011 9:05	>33		
						11/15/2011 9:26	>33		
						11/15/2011 9:59	>33		
						11/15/2011 10:31	>33		
						11/15/2011 10:56	>33		
						11/15/2011 12:02	315		
						11/15/2011 13:02	>327		
						11/15/2011 14:03	>327		
						11/15/2011 15:00	>327		
						11/15/2011 16:00	>327		
SVEW 05	Extraction	460	15	Temperature	^0F	11/15/2011 8:37	54.4	Hot-wire anemometer	
						11/15/2011 9:05	45.7		
						11/15/2011 9:26	60.6		
						11/15/2011 9:59	53		
						11/15/2011 10:31	55.9		
						11/15/2011 10:56	56.4		
						11/15/2011 12:02	56.8		
						11/15/2011 13:02	57.7		
						11/15/2011 14:03	59.7		
						11/15/2011 15:00	63.3		
						11/15/2011 16:00	62.2		

Table L-5
Data Collected for ROI Test SWTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 05	Extraction	460	15	CO_2	percent	11/15/2011 8:48	0.02	Horiba	Very high velocity in port, likely interfereing with readings.
						11/15/2011 9:10	1.42		Collect vapor in sample bags to read
						11/15/2011 10:08	3.3		
						11/15/2011 11:03	2.6		
						11/15/2011 12:10	1.76		
						11/15/2011 13:19	1.66		
						11/15/2011 14:15	2.04		
						11/15/2011 15:13	1.82		
						11/15/2011 16:12	2.4		
SVEW 05	Extraction	460	15	O_2	percent	11/15/2011 8:48	20.61	Horiba	Very high velocity in port, likely interfereing with readings.
						11/15/2011 9:10	18.52		Collect vapor in sample bags to read
						11/15/2011 10:08	13.84		
						11/15/2011 11:03	15.46		
						11/15/2011 12:10	18.41		
						11/15/2011 13:19	17.73		
						11/15/2011 14:15	16.87		
						11/15/2011 15:13	18		
						11/15/2011 16:12	16.05		

Table L-5
Data Collected for ROI Test SWTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW 05	Extraction	460	15	Hydrocarbon	PPM	11/15/2011 8:48	60	Horiba	Very high velocity in port, likely interfereing with readings.
						11/15/2011 9:10	1404		Collect vapor in sample bags to read
						11/15/2011 10:08	2350		
						11/15/2011 11:03	1971		
						11/15/2011 12:10	2360		
						11/15/2011 13:19	1554		
						11/15/2011 14:15	1504		
						11/15/2011 15:13	1373		
						11/15/2011 16:12	1630		

"	inches
^{0}F	degrees Fahrenheit
BGS	below ground surface
CO_2	Carbon dioxide
ft	foot (feet)
ft^3/min	cubic feet per minute
Horiba	Horbia Mexa-584L
ID	identification
-in-WC	Vacuum pressure, negative inches Water Column
O_2	Oxygen
PPM	parts per million
SVEW	Soil Vapor Extraction Well

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Table L-6
Data Collected for ROI Test SWTKAFB106117-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106117-350	Monitor	350	10	Vacuum	-in-WC	11/16/2011 8:38	1.05	0-2" magnehelic gauge	
						11/16/2011 8:59	1.15	0-2" magnehelic gauge	
						11/16/2011 9:31	1.3	0-2" magnehelic gauge	
						11/16/2011 9:58	1.4	0-2" magnehelic gauge	
						11/16/2011 10:28	1.45	0-2" magnehelic gauge	
						11/16/2011 10:57	1.45	0-2" magnehelic gauge	
						11/16/2011 12:00	1.24	0-2" magnehelic gauge	
						11/16/2011 13:01	1.1	0-2" magnehelic gauge	
						11/16/2011 13:59	1.1	0-2" magnehelic gauge	
						11/16/2011 14:59	1.17	0-2" magnehelic gauge	
						11/16/2011 16:00	1.4	0-2" magnehelic gauge	
KAFB 106117-250	Monitor	250	10	Vacuum	-in-WC	11/16/2011 8:38	1.1	0-2" magnehelic gauge	
						11/16/2011 8:59	1.15	0-2" magnehelic gauge	
						11/16/2011 9:31	1.25	0-2" magnehelic gauge	
						11/16/2011 9:58	1.3	0-2" magnehelic gauge	
						11/16/2011 10:28	1.35	0-2" magnehelic gauge	
						11/16/2011 10:57	1.3	0-2" magnehelic gauge	
						11/16/2011 12:00	1.05	0-2" magnehelic gauge	
						11/16/2011 13:01	0.96	0-1" magnehelic gauge	
						11/16/2011 13:59	0.93	0-1" magnehelic gauge	
						11/16/2011 14:59	1	0-2" magnehelic gauge	
						11/16/2011 16:00	1.2	0-2" magnehelic gauge	

Table L-6
Data Collected for ROI Test SWTKAFB106117-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106117-150	Monitor	150	10	Vacuum	-in-WC	11/16/2011 8:38	1.05	0-2" magnehelic gauge	
						11/16/2011 8:59	1.1	0-2" magnehelic gauge	
						11/16/2011 9:31	1.2	0-2" magnehelic gauge	
						11/16/2011 9:58	1.22	0-2" magnehelic gauge	
						11/16/2011 10:28	1.25	0-2" magnehelic gauge	
						11/16/2011 10:57	1.2	0-2" magnehelic gauge	
						11/16/2011 12:00	0.95	0-1" magnehelic gauge	
						11/16/2011 13:01	0.82	0-1" magnehelic gauge	
						11/16/2011 13:59	0.8	0-1" magnehelic gauge	
						11/16/2011 14:59	0.89	0-1" magnehelic gauge	
						11/16/2011 16:00	1.1	0-2" magnehelic gauge	
KAFB 106117-50	Monitor	50	10	Vacuum	-in-WC	11/16/2011 8:38	0.6	0-2" magnehelic gauge	
						11/16/2011 8:59	0.59	0-1" magnehelic gauge	
						11/16/2011 9:31	0.6	0-1" magnehelic gauge	
						11/16/2011 9:58	0.56	0-1" magnehelic gauge	
						11/16/2011 10:28	0.56	0-1" magnehelic gauge	
						11/16/2011 10:57	0.57	0-1" magnehelic gauge	
						11/16/2011 12:00	0.28	0-1" magnehelic gauge	
						11/16/2011 13:01	0.26	0-1" magnehelic gauge	
						11/16/2011 13:59	0.25	0-1" magnehelic gauge	
						11/16/2011 14:59	0.34	0-1" magnehelic gauge	
						11/16/2011 16:00	0.44	0-1" magnehelic gauge	

Table L-6
Data Collected for ROI Test SWTKAFB106117-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106117-25	Monitor	25	10	Vacuum	-in-WC	11/16/2011 8:38	0.32	0-2" magnehelic gauge	
						11/16/2011 8:59	0.3	0-1" magnehelic gauge	
						11/16/2011 9:31	0.3	0-1" magnehelic gauge	
						11/16/2011 9:58	0.28	0-1" magnehelic gauge	
						11/16/2011 10:28	0.28	0-1" magnehelic gauge	
						11/16/2011 10:57	0.22	0-1" magnehelic gauge	
						11/16/2011 12:00	0.12	0-1" magnehelic gauge	
						11/16/2011 13:01	0.11	0-1" magnehelic gauge	
						11/16/2011 13:59	0.11	0-1" magnehelic gauge	
						11/16/2011 14:59	0.17	0-1" magnehelic gauge	
						11/16/2011 16:00	0.22	0-1" magnehelic gauge	
KAFB 106117-450	Extraction	450	10	Vacuum	-in-WC	11/16/2011 8:29	11.5	0-20" magnehelic gauge	
						11/16/2011 9:29	17.5		
						11/16/2011 10:00	18		
						11/16/2011 10:32	18		
						11/16/2011 11:00	18.5		
						11/16/2011 12:04	18.5		
						11/16/2011 13:06	18.5		
						11/16/2011 14:02	19		
						11/16/2011 15:03	19		
						11/16/2011 16:07	19.5		

Table L-6
Data Collected for ROI Test SWTKAFB106117-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106117-450	Extraction	450	10	Flow Rate	ft^3/min	11/16/2011 8:29	39	Hot-wire anemometer	
						11/16/2011 9:29	58		
						11/16/2011 10:00	65		
						11/16/2011 10:32	69		
						11/16/2011 11:00	59		
						11/16/2011 12:04	85		
						11/16/2011 13:06	79		
						11/16/2011 14:02	86		
						11/16/2011 15:03	86		
						11/16/2011 16:07	74		
KAFB 106117-450	Extraction	450	10	Temperature	^0F	11/16/2011 8:29	59.5	Hot-wire anemometer	
						11/16/2011 9:29	58.9		
						11/16/2011 10:00	58.6		
						11/16/2011 10:32	60.2		
						11/16/2011 11:00	59.5		
						11/16/2011 12:04	65.2		
						11/16/2011 13:06	67.2		
						11/16/2011 14:02	67.9		
						11/16/2011 15:03	66.9		
						11/16/2011 16:07	61.5		

Table L-6
Data Collected for ROI Test SWTKAFB106117-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106117-450	Extraction	450	10	CO_2	percent	11/16/2011 8:53	0.26	Horiba	Vapors diluted 10X before measuring
						11/16/2011 9:42	0.18		
						11/16/2011 10:42	0.19		
						11/16/2011 12:13	0.14		
						11/16/2011 13:14	0.16		
						11/16/2011 14:11	0.18		
						11/16/2011 15:10	0.18		
						11/16/2011 16:15	0.18		
KAFB 106117-450	Extraction	450	10	O_2	percent	11/16/2011 8:53	20.33	Horiba	Vapors diluted 10X before measuring
						11/16/2011 9:42	20.49		
						11/16/2011 10:42	20.53		
						11/16/2011 12:13	21.2		
						11/16/2011 13:14	21.15		
						11/16/2011 14:11	20.78		
						11/16/2011 15:10	20.38		
						11/16/2011 16:15	20.79		

Table L-6
Data Collected for ROI Test SWTKAFB106117-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106117-450	Extraction	450	10	Hydrocarbon	PPM	11/16/2011 8:53	33600	Horiba	Vapors diluted 10X before measuring
						11/16/2011 9:42	30100		
						11/16/2011 10:42	24300		
						11/16/2011 12:13	25700		
						11/16/2011 13:14	20900		
						11/16/2011 14:11	22300		
						11/16/2011 15:10	21900		
						11/16/2011 16:15	23200		

"	inches
^{0}F	degrees Fahrenheit
10X	ten times
BGS	below ground surface
CO_2	Carbon dioxide
ft	foot (feet)
ft^3/min	cubic feet per minute
Horiba	Horiba Mexa-584L
ID	Identification
-in-WC	Vacuum pressure, negative inches of Water Column
KAFB	Kirtland Air Force Base
O_2	Oxygen
PPM	parts per million

Table L-7
Data Collected for ROI Test SWTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106149-349	Monitor	349	150	Vacuum	-in-WC	11/17/2011 8:48	2.25	0-4" magnehelic gauge	Prior to extraction
						11/17/2011 9:06	2.25	0-4" magnehelic gauge	
						11/17/2011 9:32	2.15	0-4" magnehelic gauge	
						11/17/2011 9:59	2.1	0-4" magnehelic gauge	
						11/17/2011 10:32	2	0-4" magnehelic gauge	
						11/17/2011 10:57	1.75	0-2" magnehelic gauge	
						11/17/2011 12:03	1.26	0-2" magnehelic gauge	
						11/17/2011 13:00	0.8	0-1" magnehelic gauge	
						11/17/2011 13:57	0.45	0-1" magnehelic gauge	
						11/17/2011 14:59	-0.15	0-1" magnehelic gauge	
						11/17/2011 16:00	-0.09	0-1" magnehelic gauge	
KAFB 106149-194	Monitor	194	170	Vacuum	-in-WC	11/17/2011 8:48	1.5	0-2" magnehelic gauge	Prior to extraction
						11/17/2011 9:06	1.45	0-2" magnehelic gauge	
						11/17/2011 9:32	1.35	0-2" magnehelic gauge	
						11/17/2011 9:59	1.3	0-2" magnehelic gauge	
						11/17/2011 10:32	1.25	0-2" magnehelic gauge	
						11/17/2011 10:57	1.05	0-2" magnehelic gauge	
						11/17/2011 12:03	0.64	0-1" magnehelic gauge	
						11/17/2011 13:00	0.3	0-1" magnehelic gauge	
						11/17/2011 13:57	0.06	0-1" magnehelic gauge	
						11/17/2011 14:59	0.16	0-1" magnehelic gauge	
						11/17/2011 16:00	-0.29	0-1" magnehelic gauge	

Table L-7
Data Collected for ROI Test SWTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106149-484	Extraction	484	130	Vacuum	-in-WC	11/17/2011 9:00	3.3	0-4" magnehelic gauge	Begin extraction at 8:55
						11/17/2011 9:29	5	0-20" magnehelic gauge	
						11/17/2011 10:01	6	0-20" magnehelic gauge	
						11/17/2011 10:30	6.5	0-20" magnehelic gauge	
						11/17/2011 11:01	16.5	0-20" magnehelic gauge	Hose to engine 2 found to be not well sealed. Issue is corrected.
						11/17/2011 12:06	24	0-20" magnehelic gauge	
						11/17/2011 13:05	18	0-20" magnehelic gauge	
						11/17/2011 14:05	16.5	0-20" magnehelic gauge	
						11/17/2011 15:03	15	0-20" magnehelic gauge	
						11/17/2011 16:04	14	0-20" magnehelic gauge	
KAFB 106149-484	Extraction	484	130	Flow rate	ft^3/min	11/17/2011 9:00	45	Hot-wire anemometer	
						11/17/2011 9:29	38		
						11/17/2011 10:01	44		
						11/17/2011 10:30	54		
						11/17/2011 11:01	115		Hose to engine 2 found to be not well sealed. Issue is corrected.
						11/17/2011 12:06	127		
						11/17/2011 13:05	121		
						11/17/2011 14:05	130		
						11/17/2011 15:03	130		
						11/17/2011 16:04	104		

Table L-7
Data Collected for ROI Test SWTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106149-484	Extraction	484	130	Temperature	^{0}F	11/17/2011 9:00	60.6	Hot-wire anemometer	
						11/17/2011 9:29	56.6		
						11/17/2011 10:01	56.1		
						11/17/2011 10:30	58.4		
						11/17/2011 11:01	66.4		Hose to engine 2 found to be not well sealed. Issue is corrected.
						11/17/2011 12:06	64		
						11/17/2011 13:05	64.9		
						11/17/2011 14:05	65.8		
						11/17/2011 15:03	67.2		
						11/17/2011 16:04	63.3		
KAFB 106149-484	Extraction	484	130	CO_2	percent	11/17/2011 9:19	0.2	Horiba	Vapors diluted 10X before measuring.
						11/17/2011 10:07	0.22		
						11/17/2011 11:08	0.26		
						11/17/2011 12:14	0.2		
						11/17/2011 13:12	0.16		
						11/17/2011 14:09	0.26		
						11/17/2011 15:11	0.18		
						11/17/2011 16:21	0.3		

Table L-7
Data Collected for ROI Test SWTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB 106149-484	Extraction	484	130	O_2	percent	11/17/2011 9:19	20.61	Horiba	Vapors diluted 10X before measuring.
						11/17/2011 10:07	20.53		
						11/17/2011 11:08	20.5		
						11/17/2011 12:14	20.26		
						11/17/2011 13:12	20.25		
						11/17/2011 14:09	20.32		
						11/17/2011 15:11	20.49		
						11/17/2011 16:21	20.52		
KAFB 106149-484	Extraction	484	130	Hydrocarbon	PPM	11/17/2011 9:19	12300	Horiba	Vapors diluted 10X before measuring.
						11/17/2011 10:07	12800		
						11/17/2011 11:08	14950		
						11/17/2011 12:14	13320		
						11/17/2011 13:12	9200		
						11/17/2011 14:09	16120		
						11/17/2011 15:11	12380		
						11/17/2011 16:21	17180		

"	inches
^{0}F	degrees Fahrenheit
10X	ten times
BGS	below ground surface
CO_2	Carbon dioxide
ft	foot (feet)
ft^3/min	cubic feet per minute
Horiba	Horiba Mexa-584L
ID	Identification
-in-WC	Vacuum pressure, negative inches of Water Column
KAFB	Kirtland Air Force Base
O_2	Oxygen
PPM	parts per million

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106121-350	Monitor	350	10	Vacuum	-in-WC	11/7/11 8:55	-1.6	0-2" magnehilic gauge	
						11/7/11 10:25	-1.75	0-2" magnehilic gauge	
						11/7/11 11:23	-1.95	0-2" magnehilic gauge	
						11/7/11 12:25	-2.4	0-4" magnehelic gauge	
						11/7/11 13:21	-2.7	0-4" magnehelic gauge	
						11/7/11 14:31	-2.55	0-4" magnehelic gauge	
						11/7/11 15:25	-2.55	0-4" magnehelic gauge	
						11/8/11 7:49	0.4	0-1" magnehelic gauge	
						11/8/11 15:05	1	0-1" magnehelic gauge	
						11/9/11 7:57	4.5	0-20" magnehelic gauge	
						11/9/11 15:10	3.75	0-4" magnehelic gauge	
						11/10/11 7:58	5	0-20" magnehelic gauge	
						11/11/11 7:34	0.76	0-1" magnehelic gauge	
KAFB-106121-250	Monitor	250	10	Vacuum	-in-WC	11/7/11 8:55	-1.35	0-2" magnehilic gauge	
						11/7/11 10:25	-1.6	0-2" magnehilic gauge	
						11/7/11 11:23	-1.95	0-2" magnehilic gauge	
						11/7/11 12:25	-2.35	0-4" magnehelic gauge	
						11/7/11 13:21	-2.7	0-4" magnehelic gauge	
						11/7/11 14:31	-2.5	0-4" magnehelic gauge	
						11/7/11 15:25	-2.5	0-4" magnehelic gauge	
						11/8/11 7:49	0.36	0-1" magnehelic gauge	
						11/8/11 15:05	0.86	0-1" magnehelic gauge	
						11/9/11 7:57	3.9	0-4" magnehelic gauge	
						11/9/11 15:10	3.15	0-4" magnehelic gauge	
						11/10/11 7:58	4.1	0-20" magnehelic gauge	
						11/11/11 7:34	0.17	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106121-145	Monitor	145	10	Vacuum	-in-WC	11/7/11 8:55	-1.15	0-2" magnehilic gauge	
						11/7/11 10:25	-1.4	0-2" magnehilic gauge	
						11/7/11 11:23	-1.7	0-2" magnehilic gauge	
						11/7/11 12:25	-2.2	0-4" magnehelic gauge	
						11/7/11 13:21	-2.4	0-4" magnehelic gauge	
						11/7/11 14:31	-2.2	0-4" magnehelic gauge	
						11/7/11 15:25	-2.15	0-4" magnehelic gauge	
						11/8/11 7:49	0.44	0-1" magnehelic gauge	
						11/8/11 15:05	0.75	0-1" magnehelic gauge	
						11/9/11 7:57	3.5	0-4" magnehelic gauge	
						11/9/11 15:10	2.65	0-4" magnehelic gauge	
						11/10/11 7:58	3.55	0-4" magnehelic gauge	
						11/11/11 7:34	0.7	0-1" magnehelic gauge	
KAFB-106121-50	Monitor	50	10	Vacuum	-in-WC	11/7/11 8:55	0.1	0-0.5" magnehelic gauge	
						11/7/11 10:25	-0.14	0-1" magnehelic gauge	
						11/7/11 11:23	-0.22	0-1" magnehelic gauge	
						11/7/11 12:25	-0.32	0-1" magnehelic gauge	
						11/7/11 13:21	-0.32	0-1" magnehelic gauge	
						11/7/11 14:31	-0.16	0-1" magnehelic gauge	
						11/7/11 15:25	-0.14	0-1" magnehelic gauge	
						11/8/11 7:49	0.28	0-1" magnehelic gauge	
						11/8/11 15:05	0	0-1" magnehelic gauge	
						11/9/11 7:57	0.32	0-1" magnehelic gauge	
						11/9/11 15:10	0	0-1" magnehelic gauge	
						11/10/11 7:58	0.15	0-1" magnehelic gauge	
						11/11/11 7:34	-0.7	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106121-25	Monitor	25	10	Vacuum	-in-WC	11/7/11 8:55	-0.12	0-0.5" magnehelic gauge	
						11/7/11 10:25	-0.18	0-1" magnehelic gauge	
						11/7/11 11:23	-0.38	0-1" magnehelic gauge	
						11/7/11 12:25	-0.42	0-1" magnehelic gauge	
						11/7/11 13:21	-0.42	0-1" magnehelic gauge	
						11/7/11 14:31	-0.22	0-1" magnehelic gauge	
						11/7/11 15:25	-0.18	0-1" magnehelic gauge	
						11/8/11 7:49	0.38	0-1" magnehelic gauge	
						11/8/11 15:05	0	0-1" magnehelic gauge	
						11/9/11 7:57	0.42	0-1" magnehelic gauge	
						11/9/11 15:10	0	0-1" magnehelic gauge	
						11/10/11 7:58	0.2	0-1" magnehelic gauge	
						11/11/11 7:34	-0.8	0-1" magnehelic gauge	
KAFB-106122-450	Monitor	450	10	Vacuum	-in-WC	11/7/11 9:10	-0.65	0-2" magnehilic gauge	
						11/7/11 10:32	-1.15	0-2" magnehilic gauge	
						11/7/11 11:30	-1.45	0-2" magnehilic gauge	
						11/7/11 12:33	-1.75	0-2" magnehilic gauge	
						11/7/11 13:31	-2.1	0-4" magnehelic gauge	
						11/7/11 14:38	-1.75	0-2" magnehilic gauge	
						11/7/11 15:33	-2.1	0-4" magnehelic gauge	
						11/8/11 8:05	1.05	0-2" magnehilic gauge	
						11/8/11 15:12	1.6	magnehelic gauge	1-5" recorded on field sheet, but no 1-5" gauge available.
						11/9/11 8:09	5	0-20" magnehelic gauge	
						11/9/11 15:16	4.5	0-20" magnehelic gauge	
						11/10/11 8:04	5.5	0-20" magnehelic gauge	
						11/11/11 7:42	1.33	0-2" magnehilic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106122-350	Monitor	350	10	Vacuum	-in-WC	11/7/11 9:10	-1.55	0-2" magnehilic gauge	
						11/7/11 10:32	-1.7	0-2" magnehilic gauge	
						11/7/11 11:30	-2	0-4" magnehelic gauge	
						11/7/11 12:33	-2.45	0-4" magnehelic gauge	
						11/7/11 13:31	-2.8	0-4" magnehelic gauge	
						11/7/11 14:38	-2.6	0-4" magnehelic gauge	
						11/7/11 15:33	-2.6	0-4" magnehelic gauge	
						11/8/11 8:05	0.54	0-1" magnehelic gauge	
						11/8/11 15:12	1.1	magnehelic gauge	1-5" recorded on field sheet, but no 1-5" gauge available.
						11/9/11 8:09	4.5	0-20" magnehelic gauge	
						11/9/11 15:16	3.8	0-4" magnehelic gauge	
						11/10/11 8:04	5	0-20" magnehelic gauge	
						11/11/11 7:42	0.8	0-1" magnehelic gauge	
KAFB-106122-250	Monitor	250	10	Vacuum	-in-WC	11/7/11 9:10	-1.4	0-2" magnehilic gauge	
						11/7/11 10:32	-1.65	0-2" magnehilic gauge	
						11/7/11 11:30	-1.95	0-2" magnehilic gauge	
						11/7/11 12:33	-2.45	0-4" magnehelic gauge	
						11/7/11 13:31	-2.75	0-4" magnehelic gauge	
						11/7/11 14:38	-2.55	0-4" magnehelic gauge	
						11/7/11 15:33	-2.6	0-4" magnehelic gauge	
						11/8/11 8:05	0.49	0-1" magnehelic gauge	
						11/8/11 15:12	0.86	0-1" magnehelic gauge	
						11/9/11 8:09	4	0-20" magnehelic gauge	
						11/9/11 15:16	3.2	0-4" magnehelic gauge	
						11/10/11 8:04	4.2	0-20" magnehelic gauge	
						11/11/11 7:42	0.22	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106122-150	Monitor	150	10	Vacuum	-in-WC	11/7/11 9:10	-1.25	0-2" magnehilic gauge	
						11/7/11 10:32	-1.5	0-2" magnehilic gauge	
						11/7/11 11:30	-1.85	0-2" magnehilic gauge	
						11/7/11 12:33	-2.2	0-4" magnehelic gauge	
						11/7/11 13:31	-2.5	0-4" magnehelic gauge	
						11/7/11 14:38	-2.25	0-4" magnehelic gauge	
						11/7/11 15:33	-2.2	0-4" magnehelic gauge	
						11/8/11 8:05	0.55	0-1" magnehelic gauge	
						11/8/11 15:12	0.8	0-1" magnehelic gauge	
						11/9/11 8:09	3.75	0-4" magnehelic gauge	
						11/9/11 15:16	2.85	0-4" magnehelic gauge	
						11/10/11 8:04	3.8	0-4" magnehelic gauge	
						11/11/11 7:42	0.12	0-1" magnehelic gauge	
KAFB-106122-50	Monitor	50	10	Vacuum	-in-WC	11/7/11 9:10	-0.05	0-0.5" magnehelic gauge	
						11/7/11 10:32	-0.22	0-1" magnehelic gauge	
						11/7/11 11:30	-0.34	0-1" magnehelic gauge	
						11/7/11 12:33	-0.46	0-1" magnehelic gauge	
						11/7/11 13:31	-0.48	0-1" magnehelic gauge	
						11/7/11 14:38	-0.24	0-1" magnehelic gauge	
						11/7/11 15:33	-0.28	0-1" magnehelic gauge	
						11/8/11 8:05	0.45	0-1" magnehelic gauge	
						11/8/11 15:12	0	0-1" magnehelic gauge	
						11/9/11 8:09	0.53	0-1" magnehelic gauge	
						11/9/11 15:16	0.01	0-1" magnehelic gauge	
						11/10/11 8:04	0.24	0-1" magnehelic gauge	
						11/11/11 7:42	-0.09	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106122-25	Monitor	25	10	Vacuum	-in-WC	11/7/11 9:10	0	0-0.5" magnehelic gauge	
						11/7/11 10:32	-0.14	0-1" magnehelic gauge	
						11/7/11 11:30	-0.22	0-1" magnehelic gauge	
						11/7/11 12:33	-0.28	0-1" magnehelic gauge	
						11/7/11 13:31	-0.3	0-1" magnehelic gauge	
						11/7/11 14:38	-0.14	0-1" magnehelic gauge	
						11/7/11 15:33	-0.2	0-1" magnehelic gauge	
						11/8/11 8:05	0.28	0-1" magnehelic gauge	
						11/8/11 15:12	0	0-1" magnehelic gauge	
						11/9/11 8:09	0.52	0-1" magnehelic gauge	
						11/9/11 15:16	0.01	0-1" magnehelic gauge	
						11/10/11 8:04	0.13	0-1" magnehelic gauge	
						11/11/11 7:42	-0.06	0-1" magnehelic gauge	
KAFB-106120-450	Monitor	450	10	Vacuum	-in-WC	11/7/11 9:25	-1.3	0-2" magnehilic gauge	
						11/7/11 10:39	-1.4	0-2" magnehilic gauge	
						11/7/11 11:36	-1.65	0-2" magnehilic gauge	
						11/7/11 12:39	-2.2	0-4" magnehelic gauge	
						11/7/11 13:35	-2.45	0-4" magnehelic gauge	
						11/7/11 14:44	-2.2	0-4" magnehelic gauge	
						11/7/11 15:39	-2.3	0-4" magnehelic gauge	
						11/8/11 8:12	0.82	0-1" magnehelic gauge	
						11/8/11 15:20	1.4	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:15	4.5	0-20" magnehelic gauge	
						11/9/11 15:22	4	0-20" magnehelic gauge	
						11/10/11 8:11	5	0-20" magnehelic gauge	
						11/11/11 7:50	0.98	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106120-350	Monitor	350	10	Vacuum	-in-WC	11/7/11 9:25	-1.4	0-2" magnehilic gauge	
						11/7/11 10:39	-1.55	0-2" magnehilic gauge	
						11/7/11 11:36	-1.8	0-2" magnehilic gauge	
						11/7/11 12:39	-2.4	0-4" magnehelic gauge	
						11/7/11 13:35	-2.35	0-4" magnehelic gauge	
						11/7/11 14:44	-2.4	0-4" magnehelic gauge	
						11/7/11 15:39	-2.4	0-4" magnehelic gauge	
						11/8/11 8:12	0.53	0-1" magnehelic gauge	
						11/8/11 15:20	1.1	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:15	4	0-20" magnehelic gauge	
						11/9/11 15:22	3.8	0-4" magnehelic gauge	
						11/10/11 8:11	5	0-20" magnehelic gauge	
						11/11/11 7:50	0.73	0-1" magnehelic gauge	
KAFB-106120-250	Monitor	250	10	Vacuum	-in-WC	11/7/11 9:25	-1.3	0-2" magnehilic gauge	
						11/7/11 10:39	-1.6	0-2" magnehilic gauge	
						11/7/11 11:36	-1.9	0-2" magnehilic gauge	
						11/7/11 12:39	-2.45	0-4" magnehelic gauge	
						11/7/11 13:35	-2.65	0-4" magnehelic gauge	
						11/7/11 14:44	-2.4	0-4" magnehelic gauge	
						11/7/11 15:39	-2.5	0-4" magnehelic gauge	
						11/8/11 8:12	0.56	0-1" magnehelic gauge	
						11/8/11 15:20	0.9	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:15	4	0-20" magnehelic gauge	
						11/9/11 15:22	3.1	0-4" magnehelic gauge	
						11/10/11 8:11	4.1	0-20" magnehelic gauge	
						11/11/11 7:50	0.2	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106120-150	Monitor	150	10	Vacuum	-in-WC	11/7/11 9:25	-1.15	0-2" magnehilic gauge	
						11/7/11 10:39	-1.45	0-2" magnehilic gauge	
						11/7/11 11:36	-1.8	0-2" magnehilic gauge	
						11/7/11 12:39	-2.4	0-4" magnehelic gauge	
						11/7/11 13:35	-2.45	0-4" magnehelic gauge	
						11/7/11 14:44	-2.15	0-4" magnehelic gauge	
						11/7/11 15:39	-2.3	0-4" magnehelic gauge	
						11/8/11 8:12	0.6	0-1" magnehelic gauge	
						11/8/11 15:20	0.82	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:15	3.7	0-4" magnehelic gauge	
						11/9/11 15:22	2.75	0-4" magnehelic gauge	
						11/10/11 8:11	3.75	0-4" magnehelic gauge	
						11/11/11 7:50	0.11	0-1" magnehelic gauge	
KAFB-106120-50	Monitor	50	10	Vacuum	-in-WC	11/7/11 9:25	-0.07	0-1" magnehelic gauge	
						11/7/11 10:39	-0.16	0-1" magnehelic gauge	
						11/7/11 11:36	-0.32	0-1" magnehelic gauge	
						11/7/11 12:39	-0.46	0-1" magnehelic gauge	
						11/7/11 13:35	-0.46	0-1" magnehelic gauge	
						11/7/11 14:44	-0.15	0-1" magnehelic gauge	
						11/7/11 15:39	-0.22	0-1" magnehelic gauge	
						11/8/11 8:12	0.45	0-1" magnehelic gauge	
						11/8/11 15:20	0.02	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:15	0.5	0-1" magnehelic gauge	
						11/9/11 15:22	0	0-1" magnehelic gauge	
						11/10/11 8:11	0.26	0-1" magnehelic gauge	
						11/11/11 7:50	-0.08	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106120-25	Monitor	25	10	Vacuum	-in-WC	11/7/11 9:25	-0.01	0-1" magnehelic gauge	
						11/7/11 10:39	-0.1	0-1" magnehelic gauge	
						11/7/11 11:36	-0.18	0-1" magnehelic gauge	
						11/7/11 12:39	-0.22	0-1" magnehelic gauge	
						11/7/11 13:35	-0.24	0-1" magnehelic gauge	
						11/7/11 14:44	-0.06	0-1" magnehelic gauge	
						11/7/11 15:39	-0.14	0-1" magnehelic gauge	
						11/8/11 8:12	0.24	0-1" magnehelic gauge	
						11/8/11 15:20	0	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:15	0.26	0-1" magnehelic gauge	
						11/9/11 15:22	0	0-1" magnehelic gauge	
						11/10/11 8:11	0.12	0-1" magnehelic gauge	
						11/11/11 7:50	-0.04	0-1" magnehelic gauge	
KAFB-106123-450	Monitor	450	10	Vacuum	-in-WC	11/7/11 9:34	-1.1	0-2" magnehilic gauge	
						11/7/11 10:44	-1.15	0-2" magnehilic gauge	
						11/7/11 11:40	-1.5	0-2" magnehilic gauge	
						11/7/11 12:43	-1.9	0-2" magnehilic gauge	
						11/7/11 13:40	-2.25	0-4" magnehelic gauge	
						11/7/11 14:50	-1.85	0-2" magnehilic gauge	
						11/7/11 15:45	-2.15	0-4" magnehelic gauge	
						11/8/11 8:17	1.15	0-2" magnehilic gauge	
						11/8/11 15:27	1.7	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:22	5	0-20" magnehelic gauge	
						11/9/11 15:28	4.5	0-20" magnehelic gauge	
						11/10/11 8:17	5.5	0-20" magnehelic gauge	
						11/11/11 7:54	1.22	0-2" magnehilic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106123-350	Monitor	350	10	Vacuum	-in-WC	11/7/11 9:34	-1.55	0-2" magnehilic gauge	
						11/7/11 10:44	-1.7	0-2" magnehilic gauge	
						11/7/11 11:40	-2	0-4" magnehelic gauge	
						11/7/11 12:43	-2.45	0-4" magnehelic gauge	
						11/7/11 13:40	-2.8	0-4" magnehelic gauge	
						11/7/11 14:50	-2.4	0-4" magnehelic gauge	
						11/7/11 15:45	-2.7	0-4" magnehelic gauge	
						11/8/11 8:17	0.67	0-1" magnehelic gauge	
						11/8/11 15:27	1.2	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:22	4.5	0-20" magnehelic gauge	
						11/9/11 15:28	3.8	0-4" magnehelic gauge	
						11/10/11 8:17	5	0-20" magnehelic gauge	
						11/11/11 7:54	0.72	0-1" magnehelic gauge	
KAFB-106123-250	Monitor	250	10	Vacuum	-in-WC	11/7/11 9:34	-1.4	0-2" magnehilic gauge	
						11/7/11 10:44	-1.65	0-2" magnehilic gauge	
						11/7/11 11:40	-2	0-4" magnehelic gauge	
						11/7/11 12:43	-2.4	0-4" magnehelic gauge	
						11/7/11 13:40	-2.75	0-4" magnehelic gauge	
						11/7/11 14:50	-2.35	0-4" magnehelic gauge	
						11/7/11 15:45	-2.7	0-4" magnehelic gauge	
						11/8/11 8:17	0.63	0-1" magnehelic gauge	
						11/8/11 15:27	0.95	0-1" magnehelic gauge	
						11/9/11 8:22	4	0-20" magnehelic gauge	
						11/9/11 15:28	3.15	0-4" magnehelic gauge	
						11/10/11 8:17	4.1	0-20" magnehelic gauge	
						11/11/11 7:54	0.14	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106123-150	Monitor	150	10	Vacuum	-in-WC	11/7/11 9:34	-1.25	0-2" magnehilic gauge	
						11/7/11 10:44	-1.55	0-2" magnehilic gauge	
						11/7/11 11:40	-1.85	0-2" magnehilic gauge	
						11/7/11 12:43	-2.25	0-4" magnehelic gauge	
						11/7/11 13:40	-2.6	0-4" magnehelic gauge	
						11/7/11 14:50	-2.2	0-4" magnehelic gauge	
						11/7/11 15:45	-2.5	0-4" magnehelic gauge	
						11/8/11 8:17	0.68	0-1" magnehelic gauge	
						11/8/11 15:27	0.92	0-1" magnehelic gauge	
						11/9/11 8:22	3.8	0-4" magnehelic gauge	
						11/9/11 15:28	2.75	0-4" magnehelic gauge	
						11/10/11 8:17	3.75	0-4" magnehelic gauge	
						11/11/11 7:54	0.04	0-1" magnehelic gauge	
KAFB-106123-50	Monitor	50	10	Vacuum	-in-WC	11/7/11 9:34	-0.08	0-1" magnehelic gauge	
						11/7/11 10:44	-0.2	0-1" magnehelic gauge	
						11/7/11 11:40	-0.35	0-2" magnehilic gauge	
						11/7/11 12:43	-0.44	0-2" magnehilic gauge	
						11/7/11 13:40	-0.46	0-1" magnehelic gauge	
						11/7/11 14:50	-0.4	0-1" magnehelic gauge	
						11/7/11 15:45	-0.36	0-1" magnehelic gauge	
						11/8/11 8:17	0.49	0-1" magnehelic gauge	
						11/8/11 15:27	0.05	0-1" magnehelic gauge	
						11/9/11 8:22	0.48	0-1" magnehelic gauge	
						11/9/11 15:28	0	0-1" magnehelic gauge	
						11/10/11 8:17	0.24	0-1" magnehelic gauge	
						11/11/11 7:54	-0.15	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106123-25	Monitor	25	10	Vacuum	-in-WC	11/7/11 9:34	-0.04	0-1" magnehelic gauge	
						11/7/11 10:44	-0.08	0-1" magnehelic gauge	
						11/7/11 11:40	-0.16	0-1" magnehelic gauge	
						11/7/11 12:43	-0.18	0-1" magnehelic gauge	
						11/7/11 13:40	-0.18	0-1" magnehelic gauge	
						11/7/11 14:50	0	0-1" magnehelic gauge	
						11/7/11 15:45	-0.16	0-1" magnehelic gauge	
						11/8/11 8:17	0.2	0-1" magnehelic gauge	
						11/8/11 15:27	0	0-1" magnehelic gauge	
						11/9/11 8:22	0.18	0-1" magnehelic gauge	
						11/9/11 15:28	0	0-1" magnehelic gauge	
						11/10/11 8:17	0.09	0-1" magnehelic gauge	
						11/11/11 7:54	-0.07	0-1" magnehelic gauge	
KAFB-106113-450	Monitor	450	10	Vacuum	-in-WC	11/7/11 9:47	-1.55	0-2" magnehilic gauge	
						11/7/11 10:50	-1.7	0-2" magnehilic gauge	
						11/7/11 11:46	-2.1	0-4" magnehelic gauge	
						11/7/11 12:49	-2.5	0-4" magnehelic gauge	
						11/7/11 13:45	-2.8	0-4" magnehelic gauge	
						11/7/11 14:55	-2.3	0-4" magnehelic gauge	
						11/7/11 15:52	-2.1	0-4" magnehelic gauge	
						11/8/11 8:26	0.69	0-1" magnehelic gauge	
						11/8/11 15:52	1.2	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:29	4.5	0-20" magnehelic gauge	
						11/9/11 15:34	3.7	0-4" magnehelic gauge	
						11/10/11 8:27	5	0-20" magnehelic gauge	
						11/11/11 8:01	0.61	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106113-350	Monitor	350	10	Vacuum	-in-WC	11/7/11 9:47	-1.6	0-2" magnehilic gauge	
						11/7/11 10:50	-1.8	0-2" magnehilic gauge	
						11/7/11 11:46	-2.1	0-4" magnehelic gauge	
						11/7/11 12:49	-2.5	0-4" magnehelic gauge	
						11/7/11 13:45	-2.8	0-4" magnehelic gauge	
						11/7/11 14:55	-2.35	0-4" magnehelic gauge	
						11/7/11 15:52	-2.7	0-4" magnehelic gauge	
						11/8/11 8:26	0.65	0-1" magnehelic gauge	
						11/8/11 15:52	1.1	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:29	4.5	0-20" magnehelic gauge	
						11/9/11 15:34	3.6	0-4" magnehelic gauge	
						11/10/11 8:27	4.9	0-20" magnehelic gauge	
						11/11/11 8:01	0.58	0-1" magnehelic gauge	
KAFB-106113-250	Monitor	250	10	Vacuum	-in-WC	11/7/11 9:47	-1.4	0-2" magnehilic gauge	
						11/7/11 10:50	-1.6	0-2" magnehilic gauge	
						11/7/11 11:46	-1.95	0-2" magnehilic gauge	
						11/7/11 12:49	-2.4	0-4" magnehelic gauge	
						11/7/11 13:45	-2.7	0-4" magnehelic gauge	
						11/7/11 14:55	-2.2	0-4" magnehelic gauge	
						11/7/11 15:52	-2.5	0-4" magnehelic gauge	
						11/8/11 8:26	0.68	0-1" magnehelic gauge	
						11/8/11 15:52	0.94	0-1" magnehelic gauge	
						11/9/11 8:29	4	0-20" magnehelic gauge	
						11/9/11 15:34	3	0-4" magnehelic gauge	
						11/10/11 8:27	4	0-20" magnehelic gauge	
						11/11/11 8:01	0.16	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106113-150	Monitor	150	10	Vacuum	-in-WC	11/7/11 9:47	-1.25	0-2" magnehilic gauge	
						11/7/11 10:50	-1.45	0-2" magnehilic gauge	
						11/7/11 11:46	-1.8	0-2" magnehilic gauge	
						11/7/11 12:49	-2.2	0-4" magnehelic gauge	
						11/7/11 13:45	-2.5	0-4" magnehelic gauge	
						11/7/11 14:55	-1.95	0-4" magnehelic gauge	
						11/7/11 15:52	-2.3	0-4" magnehelic gauge	
						11/8/11 8:26	0.74	0-1" magnehelic gauge	
						11/8/11 15:52	0.86	0-1" magnehelic gauge	
						11/9/11 8:29	3.6	0-4" magnehelic gauge	
						11/9/11 15:34	2.6	0-4" magnehelic gauge	
						11/10/11 8:27	3.55	0-4" magnehelic gauge	
						11/11/11 8:01	0.05	0-1" magnehelic gauge	
KAFB-106113-50	Monitor	50	10	Vacuum	-in-WC	11/7/11 9:47	-0.16	0-1" magnehelic gauge	
						11/7/11 10:50	-0.26	0-1" magnehelic gauge	
						11/7/11 11:46	-0.42	0-1" magnehelic gauge	
						11/7/11 12:49	-0.52	0-1" magnehelic gauge	
						11/7/11 13:45	-0.54	0-1" magnehelic gauge	
						11/7/11 14:55	-0.8	0-1" magnehelic gauge	
						11/7/11 15:52	-0.34	0-1" magnehelic gauge	
						11/8/11 8:26	0.48	0-1" magnehelic gauge	
						11/8/11 15:52	0.08	0-1" magnehelic gauge	
						11/9/11 8:29	0.57	0-1" magnehelic gauge	
						11/9/11 15:34	0.07	0-1" magnehelic gauge	
						11/10/11 8:27	0.34	0-1" magnehelic gauge	
						11/11/11 8:01	-0.1	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106113-20	Monitor	20	10	Vacuum	-in-WC	11/7/11 9:47	-0.6	0-1" magnehelic gauge	
						11/7/11 10:50	0	0-1" magnehelic gauge	
						11/7/11 11:46	0	0-1" magnehelic gauge	
						11/7/11 12:49	0	0-1" magnehelic gauge	
						11/7/11 13:45	0	0-1" magnehelic gauge	
						11/7/11 14:55	0	0-1" magnehelic gauge	
						11/7/11 15:52	0	0-1" magnehelic gauge	
						11/8/11 8:26	0.01	0-1" magnehelic gauge	
						11/8/11 15:52	0	0-1" magnehelic gauge	
						11/9/11 8:29	0.23	0-1" magnehelic gauge	
						11/9/11 15:34	0.02	0-1" magnehelic gauge	
						11/10/11 8:27	0.14	0-1" magnehelic gauge	
						11/11/11 8:01	-0.03	0-1" magnehelic gauge	
KAFB-106114-450	Monitor	450	10	Vacuum	-in-WC	11/7/11 10:00	-0.95	0-2" magnehilic gauge	
						11/7/11 10:56	-1.45	0-2" magnehilic gauge	
						11/7/11 11:50	-1.75	0-2" magnehilic gauge	
						11/7/11 12:54	-2.2	0-4" magnehelic gauge	
						11/7/11 13:50	-2.5	0-4" magnehelic gauge	
						11/7/11 15:00	-1.85	0-2" magnehilic gauge	
						11/7/11 15:58	-2.3	0-4" magnehelic gauge	
						11/8/11 8:34	0.89	0-1" magnehelic gauge	
						11/8/11 15:44	1.3	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:35	5	0-20" magnehelic gauge	
						11/9/11 15:40	3.8	0-4" magnehelic gauge	
						11/10/11 8:34	5	0-20" magnehelic gauge	
						11/11/11 8:07	0.74	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106114-350	Monitor	350	10	Vacuum	-in-WC	11/7/11 10:00	-1.55	0-2" magnehilic gauge	
						11/7/11 10:56	-1.8	0-2" magnehilic gauge	
						11/7/11 11:50	-2.15	0-4" magnehelic gauge	
						11/7/11 12:54	-2.5	0-4" magnehelic gauge	
						11/7/11 13:50	-2.8	0-4" magnehelic gauge	
						11/7/11 15:00	-2.3	0-4" magnehelic gauge	
						11/7/11 15:58	-2.5	0-4" magnehelic gauge	
						11/8/11 8:34	0.71	0-1" magnehelic gauge	
						11/8/11 15:44	1.1	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:35	4.5	0-20" magnehelic gauge	
						11/9/11 15:40	3.6	0-4" magnehelic gauge	
						11/10/11 8:34	4.9	0-20" magnehelic gauge	
						11/11/11 8:07	0.54	0-1" magnehelic gauge	
KAFB-106114-250	Monitor	250	10	Vacuum	-in-WC	11/7/11 10:00	-1.35	0-2" magnehilic gauge	
						11/7/11 10:56	-1.65	0-2" magnehilic gauge	
						11/7/11 11:50	-2	0-4" magnehelic gauge	
						11/7/11 12:54	-2.35	0-4" magnehelic gauge	
						11/7/11 13:50	-2.6	0-4" magnehelic gauge	
						11/7/11 15:00	-2.1	0-4" magnehelic gauge	
						11/7/11 15:58	-2.3	0-4" magnehelic gauge	
						11/8/11 8:34	0.78	0-1" magnehelic gauge	
						11/8/11 15:44	0.97	0-1" magnehelic gauge	
						11/9/11 8:35	3.85	0-4" magnehelic gauge	
						11/9/11 15:40	3	0-4" magnehelic gauge	
						11/10/11 8:34	4	0-20" magnehelic gauge	
						11/11/11 8:07	0.11	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106114-150	Monitor	150	10	Vacuum	-in-WC	11/7/11 10:00	-1.25	0-2" magnehilic gauge	
						11/7/11 10:56	-1.55	0-2" magnehilic gauge	
						11/7/11 11:50	-1.9	0-2" magnehilic gauge	
						11/7/11 12:54	-2.25	0-4" magnehelic gauge	
						11/7/11 13:50	-2.5	0-4" magnehelic gauge	
						11/7/11 15:00	-2.05	0-4" magnehelic gauge	
						11/7/11 15:58	-2.2	0-4" magnehelic gauge	
						11/8/11 8:34	0.8	0-1" magnehelic gauge	
						11/8/11 15:44	0.96	0-1" magnehelic gauge	
						11/9/11 8:35	3.7	0-4" magnehelic gauge	
						11/9/11 15:40	2.75	0-4" magnehelic gauge	
						11/10/11 8:34	3.7	0-4" magnehelic gauge	
						11/11/11 8:07	0.06	0-1" magnehelic gauge	
KAFB-106114-50	Monitor	50	10	Vacuum	-in-WC	11/7/11 10:00	-0.16	0-1" magnehelic gauge	
						11/7/11 10:56	-0.3	0-1" magnehelic gauge	
						11/7/11 11:50	-0.46	0-1" magnehelic gauge	
						11/7/11 12:54	-0.5	0-1" magnehelic gauge	
						11/7/11 13:50	-0.54	0-1" magnehelic gauge	
						11/7/11 15:00	-0.16	0-1" magnehelic gauge	
						11/7/11 15:58	-0.22	0-1" magnehelic gauge	
						11/8/11 8:34	0.48	0-1" magnehelic gauge	
						11/8/11 15:44	0.1	0-1" magnehelic gauge	
						11/9/11 8:35	0.56	0-1" magnehelic gauge	
						11/9/11 15:40	0.1	0-1" magnehelic gauge	
						11/10/11 8:34	0.37	0-1" magnehelic gauge	
						11/11/11 8:07	-0.08	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106114-25	Monitor	25	10	Vacuum	-in-WC	11/7/11 10:00	-0.14	0-1" magnehelic gauge	
						11/7/11 10:56	-0.24	0-1" magnehelic gauge	
						11/7/11 11:50	-0.4	0-1" magnehelic gauge	
						11/7/11 12:54	-0.44	0-1" magnehelic gauge	
						11/7/11 13:50	-0.46	0-1" magnehelic gauge	
						11/7/11 15:00	-0.14	0-1" magnehelic gauge	
						11/7/11 15:58	-0.2	0-1" magnehelic gauge	
						11/8/11 8:34	0.41	0-1" magnehelic gauge	
						11/8/11 15:44	0	0-1" magnehelic gauge	
						11/9/11 8:35	0.47	0-1" magnehelic gauge	
						11/9/11 15:40	0.09	0-1" magnehelic gauge	
						11/10/11 8:34	0.31	0-1" magnehelic gauge	
						11/11/11 8:07	-0.07	0-1" magnehelic gauge	
KAFB-106131-450	Monitor	450	10	Vacuum	-in-WC	11/7/11 10:09	-1.55	0-2" magnehilic gauge	
						11/7/11 11:04	-1.85	0-2" magnehilic gauge	
						11/7/11 11:57	-2.15	0-4" magnehelic gauge	
						11/7/11 13:00	-2.6	0-4" magnehelic gauge	
						11/7/11 13:55	-2.8	0-4" magnehelic gauge	
						11/7/11 15:05	-2.4	0-4" magnehelic gauge	
						11/7/11 16:05	-2.4	0-4" magnehelic gauge	
						11/8/11 8:40	0.82	0-1" magnehelic gauge	
						11/8/11 15:37	1.2	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:41	4.5	0-20" magnehelic gauge	
						11/9/11 15:46	3.7	0-4" magnehelic gauge	
						11/10/11 8:39	5	0-20" magnehelic gauge	
						11/11/11 8:13	0.51	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106131-350	Monitor	350	10	Vacuum	-in-WC	11/7/11 10:09	-1.35	0-2" magnehilic gauge	
						11/7/11 11:04	-1.9	0-2" magnehilic gauge	
						11/7/11 11:57	-2.2	0-4" magnehelic gauge	
						11/7/11 13:00	-2.4	0-4" magnehelic gauge	
						11/7/11 13:55	-2.9	0-4" magnehelic gauge	
						11/7/11 15:05	-2.45	0-4" magnehelic gauge	
						11/7/11 16:05	-2.5	0-4" magnehelic gauge	
						11/8/11 8:40	0.76	0-1" magnehelic gauge	
						11/8/11 15:37	1.1	magnehelic gauge	0-5" recorded on field sheet, but no 0-5" gauge available.
						11/9/11 8:41	4.5	0-20" magnehelic gauge	
						11/9/11 15:46	3.7	0-4" magnehelic gauge	
						11/10/11 8:39	5	0-20" magnehelic gauge	
						11/11/11 8:13	0.47	0-1" magnehelic gauge	
KAFB-106131-245	Monitor	245	10	Vacuum	-in-WC	11/7/11 10:09	-1.4	0-2" magnehilic gauge	
						11/7/11 11:04	-1.7	0-2" magnehilic gauge	
						11/7/11 11:57	-2	0-4" magnehelic gauge	
						11/7/11 13:00	-2.5	0-4" magnehelic gauge	
						11/7/11 13:55	-2.65	0-4" magnehelic gauge	
						11/7/11 15:05	-2.25	0-4" magnehelic gauge	
						11/7/11 16:05	-2.3	0-4" magnehelic gauge	
						11/8/11 8:40	0.83	0-1" magnehelic gauge	
						11/8/11 15:37	0.96	0-1" magnehelic gauge	
						11/9/11 8:41	4	0-20" magnehelic gauge	
						11/9/11 15:46	3.05	0-4" magnehelic gauge	
						11/10/11 8:39	4	0-20" magnehelic gauge	
						11/11/11 8:13	0.03	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106131-150	Monitor	150	10	Vacuum	-in-WC	11/7/11 10:09	-1.35	0-2" magnehilic gauge	
						11/7/11 11:04	-1.65	0-2" magnehilic gauge	
						11/7/11 11:57	-2	0-4" magnehelic gauge	
						11/7/11 13:00	-2.45	0-4" magnehelic gauge	
						11/7/11 13:55	-2.6	0-4" magnehelic gauge	
						11/7/11 15:05	-2.2	0-4" magnehelic gauge	
						11/7/11 16:05	-2.2	0-4" magnehelic gauge	
						11/8/11 8:40	0.84	0-1" magnehelic gauge	
						11/8/11 15:37	0.94	0-1" magnehelic gauge	
						11/9/11 8:41	3.85	0-4" magnehelic gauge	
						11/9/11 15:46	2.9	0-4" magnehelic gauge	
						11/10/11 8:39	3.9	0-4" magnehelic gauge	
						11/11/11 8:13	0.01	0-1" magnehelic gauge	
KAFB-106131-55	Monitor	55	10	Vacuum	-in-WC	11/7/11 10:09	-0.16	0-1" magnehelic gauge	
						11/7/11 11:04	-0.36	0-1" magnehelic gauge	
						11/7/11 11:57	-0.44	0-1" magnehelic gauge	
						11/7/11 13:00	-0.58	0-1" magnehelic gauge	
						11/7/11 13:55	-0.52	0-1" magnehelic gauge	
						11/7/11 15:05	-0.18	0-1" magnehelic gauge	
						11/7/11 16:05	-0.2	0-1" magnehelic gauge	
						11/8/11 8:40	0.51	0-1" magnehelic gauge	
						11/8/11 15:37	0.02	0-1" magnehelic gauge	
						11/9/11 8:41	0.49	0-1" magnehelic gauge	
						11/9/11 15:46	0.01	0-1" magnehelic gauge	
						11/10/11 8:39	0.29	0-1" magnehelic gauge	
						11/11/11 8:13	-0.13	0-1" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106131-25	Monitor	25	10	Vacuum	-in-WC	11/7/11 10:09	-0.14	0-1" magnehelic gauge	
						11/7/11 11:04	-0.3	0-1" magnehelic gauge	
						11/7/11 11:57	-0.36	0-1" magnehelic gauge	
						11/7/11 13:00	-0.46	0-1" magnehelic gauge	
						11/7/11 13:55	-0.4	0-1" magnehelic gauge	
						11/7/11 15:05	-0.14	0-1" magnehelic gauge	
						11/7/11 16:05	-0.14	0-1" magnehelic gauge	
						11/8/11 8:40	0.4	0-1" magnehelic gauge	
						11/8/11 15:37	0.01	0-1" magnehelic gauge	
						11/9/11 8:41	0.39	0-1" magnehelic gauge	
						11/9/11 15:46	0.01	0-1" magnehelic gauge	
						11/10/11 8:39	0.22	0-1" magnehelic gauge	
						11/11/11 8:13	-0.1	0-1" magnehelic gauge	
KAFB-106121-450	Extraction	450	10	Vacuum	-in-WC	11/7/11 8:51	7	0-20" magnehelic gauge	Begin test
						11/7/11 10:21	15	0-20" magnehelic gauge	
						11/7/11 11:20	14.5	0-20" magnehelic gauge	
						11/7/11 12:22	14	0-20" magnehelic gauge	
						11/7/11 13:18	13.5	0-20" magnehelic gauge	
						11/7/11 14:28	14	0-20" magnehelic gauge	Slight delay - rain
						11/7/11 15:23	14	0-20" magnehelic gauge	
						11/8/11 7:46	17.5	0-20" magnehelic gauge	
						11/8/11 14:51	18.4	0-20" magnehelic gauge	
						11/9/11 7:53	24	0-20" magnehelic gauge	
						11/9/11 15:06	22	0-20" magnehelic gauge	
						11/10/11 7:49	23	0-20" magnehelic gauge	
						11/11/11 7:22	16.5	0-20" magnehelic gauge	

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106121-450	Extraction	450	10	Flow Rate	ft^3/min	11/7/11 8:51	55	Hot wire anemometer	Begin test
						11/7/11 10:21	68		
						11/7/11 11:20	80		
						11/7/11 12:22	66		
						11/7/11 13:18	61		
						11/7/11 14:28	57		Slight delay - rain
						11/7/11 15:23	63		
						11/8/11 7:46	67		
						11/8/11 14:51	20		
						11/9/11 7:53	65		
						11/9/11 15:06	83		
						11/10/11 7:49	72		
						11/11/11 7:22	70		
KAFB-106121-450	Extraction	450	10	Temperature	^{0}F	11/7/11 8:51	59.7	Hot wire anemometer	Begin test
						11/7/11 10:21	64		
						11/7/11 11:20	63.4		
						11/7/11 12:22	62.5		
						11/7/11 13:18	60.9		
						11/7/11 14:28	57.9		Slight delay - rain
						11/7/11 15:23	57		
						11/8/11 7:46	58.2		
						11/8/11 14:51	57.9		
						11/9/11 7:53	61.5		
						11/9/11 15:06	65.2		
						11/10/11 7:49	61.5		
						11/11/11 7:22	61.6		

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106121-450	Extraction	450	10	CO_2	Percent	11/7/2011 10:22	0.54	Horiba	
						11/7/2011 11:27	0.56		
						11/7/2011 12:29	0.56		
						11/7/2011 13:24	0.56		
						11/7/2011 14:35	0.58		
						11/7/2011 15:29	0.6		
						11/8/2011 7:55	0.52		
						11/8/2011 14:58	0.58		
						11/9/2011 8:02	0.6		no generator available for 11/9 PM Horiba measurements
						11/10/2011 7:54	0.6		
						11/11/2011 7:27	0.6		
KAFB-106121-450	Extraction	450	10	O_2	Percent	11/7/2011 10:22	17.37	Horiba	
						11/7/2011 11:27	17.3		
						11/7/2011 12:29	17.25		
						11/7/2011 13:24	17.33		
						11/7/2011 14:35	17.37		
						11/7/2011 15:29	17.37		
						11/8/2011 7:55	17.41		
						11/8/2011 14:58	17.24		
						11/9/2011 8:02	17.24		no generator available for 11/9 PM Horiba measurements
						11/10/2011 7:54	17.25		
						11/11/2011 7:27	17.29		

Table L-8
Data Collected for ROI Test 5DTKAFB106121-450

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106121-450	Extraction	450	10	Hydrocarbon	PPM	11/7/2011 10:22	4600	Horiba	
						11/7/2011 11:27	4640		
						11/7/2011 12:29	4630		
						11/7/2011 13:24	4650		
						11/7/2011 14:35	4660		
						11/7/2011 15:29	4650		
						11/8/2011 7:55	4570		
						11/8/2011 14:58	4480		
						11/9/2011 8:02	4360		no generator available for 11/9 PM Horiba measurements
						11/10/2011 7:54	4160		
						11/11/2011 7:27	4050		

"	inches
^{0}F	degrees Fahrenheit
BGS	below ground surface
CO_2	Carbon dioxide
ft	foot (feet)
ft^3/min	cubic feet per minute
Horiba	Horiba Mexa 584L
ID	Identification
-in-WC	Vacuum pressure, negative inches of Water Column
KAFB	Kirtland Air Force Base
O_2	Oxygen
PM	Afternoon
PPM	parts per million

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW-01	Monitor	260	15	Vacuum	-in-WC	11/28/11 8:54	1.41	Digital manometer	
						11/28/11 9:26	1.37		
						11/28/11 10:31	1.25		
						11/28/11 11:37	0.9		
						11/28/11 12:19	0.67		
						11/28/11 13:17	0.4		
						11/28/11 14:12	0.13		
						11/28/11 15:13	0		
						11/29/11 7:58	1.01		
						11/29/11 14:52	0.27		
						11/30/11 7:57	-0.38		
						11/30/11 14:50	-3.09		
						12/1/11 7:56	-2.27		
						12/2/11 9:00	-0.24		
SVEW-02	Monitor	60	15	Vacuum	-in-WC	11/28/11 8:54	0.32	Digital manometer	
						11/28/11 9:26	0.15		
						11/28/11 10:31	0		
						11/28/11 11:37	-0.17		
						11/28/11 12:19	-0.1		
						11/28/11 13:17	-0.11		
						11/28/11 14:12	-0.13		
						11/28/11 15:13	0		
						11/29/11 7:58	0.33		
						11/29/11 14:52	-0.04		
						11/30/11 7:57	-0.07		
						11/30/11 14:50	-0.82		
						12/1/11 7:56	0		
						12/2/11 9:00	-0.08		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW-03	Monitor	160	15	Vacuum	-in-WC	11/28/11 8:54	1.45	Digital manometer	
						11/28/11 9:26	1.41		
						11/28/11 10:31	1.29		
						11/28/11 11:37	0.95		
						11/28/11 12:19	0.71		
						11/28/11 13:17	0.45		
						11/28/11 14:12	0.18		
						11/28/11 15:13	0.09		
						11/29/11 7:58	1.14		
						11/29/11 14:52	0.34		
						11/30/11 7:57	-0.22		
						11/30/11 14:50	-2.97		
						12/1/11 7:56	-2.09		
						12/2/11 9:00	-0.14		
SVEW-04	Monitor	313	15	Vacuum	-in-WC	11/28/11 8:54	1.65	Digital manometer	
						11/28/11 9:26	2.28		
						11/28/11 10:31	2.15		
						11/28/11 11:37	1.7		
						11/28/11 12:19	1.5		
						11/28/11 13:17	1.24		
						11/28/11 14:12	1		
						11/28/11 15:13	0.84		
						11/29/11 7:58	1.38		
						11/29/11 14:52	0.68		
						11/30/11 7:57	-0.1		
						11/30/11 14:50	-2.46		
						12/1/11 7:56	-1.93		
						12/2/11 9:00	0.4		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW-06	Monitor	60	15	Vacuum	-in-WC	11/28/11 8:54	0.07	Digital manometer	
						11/28/11 9:26	0.03		
						11/28/11 10:31	-0.04		
						11/28/11 11:37	-0.17		
						11/28/11 12:19	-0.24		
						11/28/11 13:17	-0.24		
						11/28/11 14:12	-0.26		
						11/28/11 15:13	-0.14		
						11/29/11 7:58	0.13		
						11/29/11 14:52	-0.11		
						11/30/11 7:57	-0.11		
						11/30/11 14:50	-0.62		
						12/1/11 7:56	0.07		
						12/2/11 9:00	-0.09		
SVEW-07	Monitor	160	15	Vacuum	-in-WC	11/28/11 8:54	1.4	Digital manometer	
						11/28/11 9:26	1.35		
						11/28/11 10:31	1.23		
						11/28/11 11:37	0.88		
						11/28/11 12:19	0.64		
						11/28/11 13:17	0.38		
						11/28/11 14:12	0.1		
						11/28/11 15:13	0		
						11/29/11 7:58	0.99		
						11/29/11 14:52	0.25		
						11/30/11 7:57	-0.39		
						11/30/11 14:50	-3.14		
						12/1/11 7:56	-2.32		
						12/2/11 9:00	-0.2		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW-08	Monitor	260	15	Vacuum	-in-WC	11/28/11 8:54	1.6	Digital manometer	
						11/28/11 9:26	1.59		
						11/28/11 10:31	1.57		
						11/28/11 11:37	1.24		
						11/28/11 12:19	1.04		
						11/28/11 13:17	0.82		
						11/28/11 14:12	0.58		
						11/28/11 15:13	0.47		
						11/29/11 7:58	1.27		
						11/29/11 14:52	0.41		
						11/30/11 7:57	-0.38		
						11/30/11 14:50	-2.63		
						12/1/11 7:56	-2.29		
						12/2/11 9:00	-0.1		
SVEW-09	Monitor	460	14	Vacuum	-in-WC	11/28/11 8:54	1.59	Digital manometer	
						11/28/11 9:26	1.59		
						11/28/11 10:31	1.56		
						11/28/11 11:37	1.25		
						11/28/11 12:19	1.04		
						11/28/11 13:17	0.82		
						11/28/11 14:12	0.57		
						11/28/11 15:13	0.47		
						11/29/11 7:58	1.26		
						11/29/11 14:52	0.67		
						11/30/11 7:57	-0.04		
						11/30/11 14:50	-2.64		
						12/1/11 7:56	-2.34		
						12/2/11 9:00	-0.11		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-08-250	Monitor	250	2.5	Vacuum	-in-WC	11/28/11 8:59	1.45	Digital manometer	
						11/28/11 9:32	1.42		
						11/28/11 10:38	1.27		
						11/28/11 11:42	0.92		
						11/28/11 12:29	0.63		
						11/28/11 13:25	0.3		
						11/28/11 14:21	0.02		
						11/28/11 15:23	0		
						11/29/11 8:03	1.03		
						11/29/11 14:56	0.25		
						11/30/11 8:16	-0.48		
						11/30/11 15:05	-3.33		
						12/1/11 8:13	-2.47		
						12/2/11 9:04	-0.2		
SVMW-08-100	Monitor	100	2.5	Vacuum	-in-WC	11/28/11 8:59	0.05	Digital manometer	
						11/28/11 9:32	0.07		
						11/28/11 10:38	-0.03		
						11/28/11 11:42	-0.19		
						11/28/11 12:29	-0.25		
						11/28/11 13:25	-0.26		
						11/28/11 14:21	-0.3		
						11/28/11 15:23	-0.1		
						11/29/11 8:03	0.14		
						11/29/11 14:56	-0.14		
						11/30/11 8:16	-0.1		
						11/30/11 15:05	-0.61		
						12/1/11 8:13	0.02		
						12/2/11 9:04	-0.09		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-08-50	Monitor	50	2.5	Vacuum	-in-WC	11/28/11 8:59	0.15	Digital manometer	
						11/28/11 9:32	0.12		
						11/28/11 10:38	0.03		
						11/28/11 11:42	-0.23		
						11/28/11 12:29	-0.29		
						11/28/11 13:25	-0.33		
						11/28/11 14:21	-0.39		
						11/28/11 15:23	-0.15		
						11/29/11 8:03	0.16		
						11/29/11 14:56	-0.23		
						11/30/11 8:16	-0.15		
						11/30/11 15:05	-0.56		
						12/1/11 8:13	0.08		
						12/2/11 9:04	-0.1		
SVMW-09-266	Monitor	266	2.5	Vacuum	-in-WC	11/28/11 8:42	1.48	Digital manometer	
						11/28/11 9:38	1.42		
						11/28/11 10:47	1.25		
						11/28/11 11:49	0.86		
						11/28/11 12:35	0.6		
						11/28/11 13:32	0.32		
						11/28/11 14:30	0.07		
						11/28/11 15:33	0.02		
						11/29/11 8:26	1.14		
						11/29/11 15:15	0.21		
						11/30/11 8:27	-0.45		
						11/30/11 15:14	-3.37		
						12/1/11 8:25	-2.38		
						12/2/11 8:46	-0.13		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-09-250	Monitor	250	2.5	Vacuum	-in-WC	11/28/11 8:42	1.62	Digital manometer	
						11/28/11 9:38	1.58		
						11/28/11 10:47	1.4		
						11/28/11 11:49	1.01		
						11/28/11 12:35	0.75		
						11/28/11 13:32	0.48		
						11/28/11 14:30	0.22		
						11/28/11 15:33	0.17		
						11/29/11 8:26	1.37		
						11/29/11 15:15	0.37		
						11/30/11 8:27	-0.3		
						11/30/11 15:14	-3.23		
						12/1/11 8:25	-2.49		
						12/2/11 8:46	-0.17		
SVMW-09-100	Monitor	100	2.5	Vacuum	-in-WC	11/28/11 8:42	0.16	Digital manometer	
						11/28/11 9:38	0.14		
						11/28/11 10:47	0		
						11/28/11 11:49	-0.25		
						11/28/11 12:35	-0.33		
						11/28/11 13:32	-0.4		
						11/28/11 14:30	-0.42		
						11/28/11 15:33	-0.2		
						11/29/11 8:26	0.41		
						11/29/11 15:15	-0.2		
						11/30/11 8:27	-0.16		
						11/30/11 15:14	-1.06		
						12/1/11 8:25	-0.03		
						12/2/11 8:46	-0.15		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-09-50	Monitor	50	2.5	Vacuum	-in-WC	11/28/11 8:42	0.09	Digital manometer	
						11/28/11 9:38	0.08		
						11/28/11 10:47	-0.02		
						11/28/11 11:49	-0.19		
						11/28/11 12:35	-0.22		
						11/28/11 13:32	-0.26		
						11/28/11 14:30	-0.29		
						11/28/11 15:33	-0.08		
						11/29/11 8:26	0.33		
						11/29/11 15:15	-0.14		
						11/30/11 8:27	-0.09		
						11/30/11 15:14	-0.71		
						12/1/11 8:25	-0.03		
						12/2/11 8:46	-0.12		
SVMW-10-250	Monitor	250	2.5	Vacuum	-in-WC	11/28/11 8:39	1.71	Digital manometer	
						11/28/11 9:40	1.66		
						11/28/11 10:50	1.46		
						11/28/11 11:51	1.05		
						11/28/11 12:37	0.82		
						11/28/11 13:35	0.56		
						11/28/11 14:32	0.31		
						11/28/11 15:36	0.25		
						11/29/11 8:28	1.47		
						11/29/11 15:18	0.47		
						11/30/11 8:30	-0.17		
						11/30/11 15:17	-3.15		
						12/1/11 8:28	-2.2		
						12/2/11 8:42	-0.15		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-10-150	Monitor	150	2.5	Vacuum	-in-WC	11/28/11 8:39	1.61	Digital manometer	
						11/28/11 9:40	1.56		
						11/28/11 10:50	1.36		
						11/28/11 11:51	0.99		
						11/28/11 12:37	0.72		
						11/28/11 13:35	0.44		
						11/28/11 14:32	0.21		
						11/28/11 15:36	0.15		
						11/29/11 8:28	1.39		
						11/29/11 15:18	0.37		
						11/30/11 8:30	-0.25		
						11/30/11 15:17	-3.21		
						12/1/11 8:28	-2.23		
						12/2/11 8:42	-0.04		
SVMW-10-100	Monitor	100	2.5	Vacuum	-in-WC	11/28/11 8:39	0.32	Digital manometer	
						11/28/11 9:40	0.28		
						11/28/11 10:50	0.12		
						11/28/11 11:51	-0.1		
						11/28/11 12:37	-0.19		
						11/28/11 13:35	-0.21		
						11/28/11 14:32	-0.24		
						11/28/11 15:36	-0.04		
						11/29/11 8:28	0.56		
						11/29/11 15:18	-0.03		
						11/30/11 8:30	0		
						11/30/11 15:17	-0.92		
						12/1/11 8:28	0.09		
						12/2/11 8:42	-0.02		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-10-50	Monitor	50	2.5	Vacuum	-in-WC	11/28/11 8:39	0.17	Digital manometer	
						11/28/11 9:40	0.17		
						11/28/11 10:50	0.03		
						11/28/11 11:51	-0.14		
						11/28/11 12:37	-0.2		
						11/28/11 13:35	-0.2		
						11/28/11 14:32	-0.21		
						11/28/11 15:36	-0.05		
						11/29/11 8:28	0.4		
						11/29/11 15:18	-0.05		
						11/30/11 8:30	0		
						11/30/11 15:17	-0.71		
						12/1/11 8:28	0		
						12/2/11 8:42	-0.01		
SVMW-04-300	Monitor	300	2.5	Vacuum	-in-WC	11/28/11 8:46	1.78	Digital manometer	
						11/28/11 9:35	1.75		
						11/28/11 10:43	1.58		
						11/28/11 11:44	1.23		
						11/28/11 12:31	0.95		
						11/28/11 13:28	0.66		
						11/28/11 14:24	0.4		
						11/28/11 15:27	0.33		
						11/29/11 8:19	1.33		
						11/29/11 15:10	0.45		
						11/30/11 8:21	-0.31		
						11/30/11 15:09	-3.35		
						12/1/11 8:18	-2.74		
						12/2/11 8:56	-0.25		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-04-250	Monitor	250	2.5	Vacuum	-in-WC	11/28/11 8:46	1.4	Digital manometer	
						11/28/11 9:35	1.32		
						11/28/11 10:43	1.05		
						11/28/11 11:44	0.81		
						11/28/11 12:31	0.57		
						11/28/11 13:28	0.31		
						11/28/11 14:24	0.08		
						11/28/11 15:27	0.05		
						11/29/11 8:19	1.05		
						11/29/11 15:10	0.21		
						11/30/11 8:21	-0.41		
						11/30/11 15:09	-3.02		
						12/1/11 8:18	-2.4		
						12/2/11 8:56	-0.21		
SVMW-04-100	Monitor	100	2.5	Vacuum	-in-WC	11/28/11 8:46	0.23	Digital manometer	
						11/28/11 9:35	0.19		
						11/28/11 10:43	0.04		
						11/28/11 11:44	-0.19		
						11/28/11 12:31	-0.26		
						11/28/11 13:28	-0.33		
						11/28/11 14:24	-0.37		
						11/28/11 15:27	-0.15		
						11/29/11 8:19	0.39		
						11/29/11 15:10	-0.16		
						11/30/11 8:21	-0.11		
						11/30/11 15:09	-1		
						12/1/11 8:18	0		
						12/2/11 8:56	-0.09		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-04-50	Monitor	50	2.5	Vacuum	-in-WC	11/28/11 8:46	0.15	Digital manometer	
						11/28/11 9:35	0.11		
						11/28/11 10:43	0		
						11/28/11 11:44	-0.21		
						11/28/11 12:31	-0.24		
						11/28/11 13:28	-0.29		
						11/28/11 14:24	-0.31		
						11/28/11 15:27	-0.12		
						11/29/11 8:19	0.27		
						11/29/11 15:10	-0.15		
						11/30/11 8:21	-0.11		
						11/30/11 15:09	-0.77		
						12/1/11 8:18	-0.09		
						12/2/11 8:56	-0.12		
SVMW-11-260	Monitor	260	2.5	Vacuum	-in-WC	11/28/11 8:34	1.37	Digital manometer	
						11/28/11 9:43	1.32		
						11/28/11 10:53	1.12		
						11/28/11 11:54	0.85		
						11/28/11 12:40	0.54		
						11/28/11 13:39	0.23		
						11/28/11 14:35	0		
						11/28/11 15:40	0		
						11/29/11 8:30	1.14		
						11/29/11 15:21	0.17		
						11/30/11 8:34	-0.2		
						11/30/11 15:20	-3.1		
						12/1/11 8:32	-2.15		
						12/2/11 8:37	-0.15		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-11-250	Monitor	250	2.5	Vacuum	-in-WC	11/28/11 8:34	1.6	Digital manometer	
						11/28/11 9:43	1.56		
						11/28/11 10:53	1.35		
						11/28/11 11:54	1.03		
						11/28/11 12:40	0.71		
						11/28/11 13:39	0.44		
						11/28/11 14:35	0.21		
						11/28/11 15:40	0.18		
						11/29/11 8:30	1.41		
						11/29/11 15:21	0.36		
						11/30/11 8:34	-0.21		
						11/30/11 15:20	-3.19		
						12/1/11 8:32	-2.18		
						12/2/11 8:37	0.05		
SVMW-11-100	Monitor	100	2.5	Vacuum	-in-WC	11/28/11 8:34	0.39	Digital manometer	
						11/28/11 9:43	0.34		
						11/28/11 10:53	0.16		
						11/28/11 11:54	-0.07		
						11/28/11 12:40	-0.19		
						11/28/11 13:39	-0.21		
						11/28/11 14:35	-0.25		
						11/28/11 15:40	-0.04		
						11/29/11 8:30	0.63		
						11/29/11 15:21	-0.03		
						11/30/11 8:34	-0.02		
						11/30/11 15:20	-1.12		
						12/1/11 8:32	-0.12		
						12/2/11 8:37	-0.06		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-11-50	Monitor	50	2.5	Vacuum	-in-WC	11/28/11 8:34	0.22	Digital manometer	
						11/28/11 9:43	0.2		
						11/28/11 10:53	0.06		
						11/28/11 11:54	-0.11		
						11/28/11 12:40	-0.2		
						11/28/11 13:39	-0.22		
						11/28/11 14:35	-0.21		
						11/28/11 15:40	-0.05		
						11/29/11 8:30	0.45		
						11/29/11 15:21	-0.06		
						11/30/11 8:34	-0.02		
						11/30/11 15:20	-0.82		
						12/1/11 8:32	-0.09		
						12/2/11 8:37	-0.06		
KAFB-106148-484	Monitor	484	130	Vacuum	-in-WC	11/28/11 8:29	1.85	Digital manometer	
						11/28/11 9:46	1.95		
						11/28/11 10:57	1.72		
						11/28/11 11:57	1.37		
						11/28/11 12:45	1.08		
						11/28/11 13:43	0.81		
						11/28/11 14:40	0.56		
						11/28/11 15:45	0.56		
						11/29/11 8:37	1.71		
						11/29/11 15:26	0.64		
						11/30/11 8:40	-0.1		
						11/30/11 15:26	-3.15		
						12/1/11 8:40	-2.45		
						12/2/11 8:29	0.1		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106148-349	Monitor	349	150	Vacuum	-in-WC	11/28/11 8:29	1.55	Digital manometer	
						11/28/11 9:46	1.52		
						11/28/11 10:57	1.28		
						11/28/11 11:57	0.95		
						11/28/11 12:45	0.66		
						11/28/11 13:43	0.39		
						11/28/11 14:40	0.15		
						11/28/11 15:45	0.17		
						11/29/11 8:37	1.39		
						11/29/11 15:26	0.28		
						11/30/11 8:40	-0.15		
						11/30/11 15:26	-3.15		
						12/1/11 8:40	-2.01		
						12/2/11 8:29	0.17		
KAFB-106148-199	Monitor	199	170	Vacuum	-in-WC	11/28/11 8:29	1.24	Digital manometer	
						11/28/11 9:46	1.23		
						11/28/11 10:57	0.96		
						11/28/11 11:57	0.67		
						11/28/11 12:45	0.46		
						11/28/11 13:43	0.21		
						11/28/11 14:40	0.04		
						11/28/11 15:45	0.1		
						11/29/11 8:37	1.22		
						11/29/11 15:26	0.21		
						11/30/11 8:40	-0.21		
						11/30/11 15:26	-2.69		
						12/1/11 8:40	-1.67		
						12/2/11 8:29	-0.14		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106119-450	Monitor	450	10	Vacuum	-in-WC	11/28/11 8:19	1.95	Digital manometer	
						11/28/11 9:53	2		
						11/28/11 11:04	1.77		
						11/28/11 12:12	1.42		
						11/28/11 12:50	1.2		
						11/28/11 13:50	0.87		
						11/28/11 14:47	0.68		
						11/28/11 15:53	0.7		
						11/29/11 8:42	1.84		
						11/29/11 15:30	0.76		
						11/30/11 8:49	0		
						11/30/11 15:33	-3.17		
						12/1/11 8:50	-2.37		
						12/2/11 8:16	0.05		
KAFB-106119-350	Monitor	350	10	Vacuum	-in-WC	11/28/11 8:19	1.9	Digital manometer	
						11/28/11 9:53	1.85		
						11/28/11 11:04	1.58		
						11/28/11 12:12	1.21		
						11/28/11 12:50	0.97		
						11/28/11 13:50	0.65		
						11/28/11 14:47	0.41		
						11/28/11 15:53	0.45		
						11/29/11 8:42	1.64		
						11/29/11 15:30	0.51		
						11/30/11 8:49	-0.2		
						11/30/11 15:33	-3.41		
						12/1/11 8:50	-2.67		
						12/2/11 8:16	-0.19		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106119-250	Monitor	250	10	Vacuum	-in-WC	11/28/11 8:19	1.5	Digital manometer	
						11/28/11 9:53	1.44		
						11/28/11 11:04	1.14		
						11/28/11 12:12	0.78		
						11/28/11 12:50	0.55		
						11/28/11 13:50	0.24		
						11/28/11 14:47	0.06		
						11/28/11 15:53	0.09		
						11/29/11 8:42	1.36		
						11/29/11 15:30	0.23		
						11/30/11 8:49	-0.35		
						11/30/11 15:33	-3.34		
						12/1/11 8:50	-2.2		
						12/2/11 8:16	-0.21		
KAFB-106119-150	Monitor	150	10	Vacuum	-in-WC	11/28/11 8:19	1.38	Digital manometer	
						11/28/11 9:53	1.34		
						11/28/11 11:04	1.03		
						11/28/11 12:12	0.67		
						11/28/11 12:50	0.47		
						11/28/11 13:50	0		
						11/28/11 14:47	-0.15		
						11/28/11 15:53	0		
						11/29/11 8:42	1.31		
						11/29/11 15:30	0.18		
						11/30/11 8:49	-0.33		
						11/30/11 15:33	-3.17		
						12/1/11 8:50	-2		
						12/2/11 8:16	-0.2		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106119-50	Monitor	50	10	Vacuum	-in-WC	11/28/11 8:19	0	Digital manometer	
						11/28/11 9:53	0		
						11/28/11 11:04	-0.1		
						11/28/11 12:12	-0.33		
						11/28/11 12:50	-0.15		
						11/28/11 13:50	-0.22		
						11/28/11 14:47	-0.06		
						11/28/11 15:53	-0.07		
						11/29/11 8:42	0.37		
						11/29/11 15:30	-0.1		
						11/30/11 8:49	-0.07		
						11/30/11 15:33	-0.78		
						12/1/11 8:50	-0.15		
						12/2/11 8:16	-0.16		
KAFB-106119-25	Monitor	25	10	Vacuum	-in-WC	11/28/11 8:19	0.08	Digital manometer	
						11/28/11 9:53	0.07		
						11/28/11 11:04	-0.01		
						11/28/11 12:12	-0.06		
						11/28/11 12:50	-0.07		
						11/28/11 13:50	-0.05		
						11/28/11 14:47	-0.19		
						11/28/11 15:53	0		
						11/29/11 8:42	0.18		
						11/29/11 15:30	-0.05		
						11/30/11 8:49	-0.03		
						11/30/11 15:33	-0.63		
						12/1/11 8:50	0.02		
						12/2/11 8:16	0		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-03-300	Monitor	300	2.5	Vacuum	-in-WC	11/28/11 8:25	1.88	Digital manometer	
						11/28/11 9:48	1.84		
						11/28/11 10:59	1.58		
						11/28/11 11:59	1.22		
						11/28/11 12:47	0.96		
						11/28/11 13:45	0.67		
						11/28/11 14:43	0.43		
						11/28/11 15:49	0.46		
						11/29/11 8:40	1.55		
						11/29/11 15:27	0.37		
						11/30/11 8:45	-0.13		
						11/30/11 15:30	-3.04		
						12/1/11 8:46	-2.33		
						12/2/11 8:24	-0.26		
SVMW-03-250	Monitor	250	2.5	Vacuum	-in-WC	11/28/11 8:25	1.49	Digital manometer	
						11/28/11 9:48	1.46		
						11/28/11 10:59	1.18		
						11/28/11 11:59	0.82		
						11/28/11 12:47	0.56		
						11/28/11 13:45	0.28		
						11/28/11 14:43	0.06		
						11/28/11 15:49	0.11		
						11/29/11 8:40	1.34		
						11/29/11 15:27	0.22		
						11/30/11 8:45	-0.39		
						11/30/11 15:30	-3.35		
						12/1/11 8:46	-2.34		
						12/2/11 8:24	-0.29		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-03-100	Monitor	100	2.5	Vacuum	-in-WC	11/28/11 8:25	0.73	Digital manometer	
						11/28/11 9:48	0.69		
						11/28/11 10:59	0.43		
						11/28/11 11:59	0.17		
						11/28/11 12:47	0		
						11/28/11 13:45	-0.12		
						11/28/11 14:43	-0.2		
						11/28/11 15:49	-0.07		
						11/29/11 8:40	0.84		
						11/29/11 15:27	-0.02		
						11/30/11 8:45	-0.23		
						11/30/11 15:30	-1.98		
						12/1/11 8:46	-0.98		
						12/2/11 8:24	-0.23		
SVMW-03-50	Monitor	50	2.5	Vacuum	-in-WC	11/28/11 8:25	1.83	Digital manometer	
						11/28/11 9:48	1.37		
						11/28/11 10:59	1.01		
						11/28/11 11:59	0		
						11/28/11 12:47	-0.1		
						11/28/11 13:45	-0.16		
						11/28/11 14:43	-0.73		
						11/28/11 15:49	-0.03		
						11/29/11 8:40	0.54		
						11/29/11 15:27	-0.04		
						11/30/11 8:45	-0.1		
						11/30/11 15:30	-1.08		
						12/1/11 8:46	-0.41		
						12/2/11 8:24	-0.17		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-02-150	Monitor	150	2.5	Vacuum	-in-WC	11/28/11 7:48	1.67	Digital manometer	
						11/28/11 10:03	1.69		
						11/28/11 11:12	1.07		
						11/28/11 12:05	0.84		
						11/28/11 12:57	0.7		
						11/28/11 13:58	0.38		
						11/28/11 14:58	0		
						11/28/11 16:02	0.03		
						11/29/11 8:50	1.38		
						11/29/11 15:39	0.22		
						11/29/11 8:58	-0.39		
						11/30/11 15:44	-3.3		
						12/1/11 9:01	-2.27		
						12/2/11 8:05	-0.08		
SVMW-02-97	Monitor	97	2.5	Vacuum	-in-WC	11/28/11 7:48	0.11	Digital manometer	
						11/28/11 10:03	0.06		
						11/28/11 11:12	-0.21		
						11/28/11 12:05	-0.3		
						11/28/11 12:57	-0.33		
						11/28/11 13:58	-0.42		
						11/28/11 14:58	-0.32		
						11/28/11 16:02	-0.16		
						11/29/11 8:50	0.43		
						11/29/11 15:39	-0.2		
						11/29/11 8:58	-0.12		
						11/30/11 15:44	-0.88		
						12/1/11 9:01	0.1		
						12/2/11 8:05	-0.11		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-02-50	Monitor	50	2.5	Vacuum	-in-WC	11/28/11 7:48	0.07	Digital manometer	
						11/28/11 10:03	0.03		
						11/28/11 11:12	-0.15		
						11/28/11 12:05	-0.13		
						11/28/11 12:57	-0.28		
						11/28/11 13:58	-0.26		
						11/28/11 14:58	-0.17		
						11/28/11 16:02	-0.09		
						11/29/11 8:50	0.28		
						11/29/11 15:39	-0.12		
						11/29/11 8:58	-0.04		
						11/30/11 15:44	-0.53		
						12/1/11 9:01	0.06		
						12/2/11 8:05	-0.09		
KAFB-106121-450	Monitor	450	10	Vacuum	-in-WC	11/28/11 8:04	2.03	Digital manometer	
						11/29/11 7:45	1.36		
						11/30/11 7:44	-0.1		
						12/1/11 7:40	-2.77		
						12/2/11 7:55	-0.2		
KAFB-106121-350	Monitor	350	10	Vacuum	-in-WC	11/28/11 8:04	2.04	Digital manometer	
						11/29/11 7:45	1.37		
						11/30/11 7:44	-0.1		
						12/1/11 7:40	-2.81		
						12/2/11 7:55	-0.26		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106121-250	Monitor	250	10	Vacuum	-in-WC	11/28/11 8:04	1.62	Digital manometer	
						11/29/11 7:45	1.14		
						11/30/11 7:44	-0.25		
						12/1/11 7:40	-2.48		
						12/2/11 7:55	-0.07		
KAFB-106121-145	Monitor	145	10	Vacuum	-in-WC	11/28/11 8:04	1.34	Digital manometer	
						11/29/11 7:45	1.01		
						11/30/11 7:44	-0.27		
						12/1/11 7:40	-2.04		
						12/2/11 7:55	-0.05		
KAFB-106121-50	Monitor	50	10	Vacuum	-in-WC	11/28/11 8:04	0.05	Digital manometer	
						11/29/11 7:45	0.06		
						11/30/11 7:44	-0.08		
						12/1/11 7:40	0.07		
						12/2/11 7:55	-0.05		
KAFB-106121-25	Monitor	25	10	Vacuum	-in-WC	11/28/11 8:04	0.12	Digital manometer	
						11/29/11 7:45	0.09		
						11/30/11 7:44	-0.1		
						12/1/11 7:40	0.1		
						12/2/11 7:55	-0.06		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW-05	Extraction	460	15	Vacuum	-in-WC	11/28/11 8:57	0.12	magnehelic gauge	Prior to starting engine
						11/28/11 9:05	48	magnehelic gauge	Begin extracting
						11/28/11 10:19	103	RSI SVE engine readout	Average engine vacuum readings
						11/28/11 11:27	106	RSI SVE engine readout	Average engine vacuum readings
						11/28/11 12:25	104	RSI SVE engine readout	Average engine vacuum readings
						11/28/11 13:21	106	RSI SVE engine readout	Average engine vacuum readings
						11/28/11 14:17	104	RSI SVE engine readout	Average engine vacuum readings
						11/28/11 15:18	103.5	RSI SVE engine readout	Average engine vacuum readings
						11/28/11 16:12	105.5	RSI SVE engine readout	Average engine vacuum readings
						11/29/11 8:08	19	RSI SVE engine readout	Valves recently closed to drain condensate
						11/29/11 15:00	85.5	RSI SVE engine readout	Average engine vacuum readings
						11/30/11 8:04	78	RSI SVE engine readout	Average engine vacuum readings
						11/30/11 14:56	45.5	RSI SVE engine readout	Average engine vacuum readings
						12/1/11 8:04	88.5	RSI SVE engine readout	Average engine vacuum readings
						12/2/11 9:11	88	RSI SVE engine readout	Average engine vacuum readings
SVEW-05	Extraction	460	15	Flow Rate	ft^3/min	11/28/11 9:05	209.28	Hot-wire anemometer	
						11/28/11 11:27	311.74		
						11/28/11 12:25	261.6		
						11/29/11 8:08	63.22		
						11/30/11 8:04	198.38		
						12/1/11 8:04	185.3		
						12/2/11 9:11	122.08		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW-05	Extraction	460	15	Temperature	^{0}F	11/28/11 9:05	53.5	Hot-wire anemometer	Begin extracting
						11/28/11 10:19	48.9		
						11/28/11 11:27	47.8		
						11/28/11 12:25	46.9		
						11/28/11 13:21	51.4		
						11/28/11 14:17	55.5		
						11/28/11 15:18	55.2		
						11/28/11 16:12	49.8		
						11/29/11 8:08	53.5		
						11/29/11 15:00	52.1		
						11/30/11 8:04	49.9		
						11/30/11 14:56	53.5		
						12/1/11 8:04	48.3		
						12/2/11 9:11	40.4		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW-05	Extraction	460	15	CO_2	Percent	11/28/11 9:23	2.08	Horiba	use sample bag
						11/28/11 10:24	2.36		
						11/28/11 11:36	3.84		
						11/28/11 12:28	3.18		close valve, read directly from port
						11/28/11 13:34	3.66		
						11/28/11 14:20	3.86		
						11/28/11 15:21	3.48		
						11/28/11 16:17	3.44		
						11/29/11 8:11	3.56		
						11/29/11 15:05	1.76		
						11/30/2011 8:08	2.72		
						11/30/2011 14:58	3.02		
						12/1/2011 8:10	2.94		
						12/2/2011 9:17	2.98		
SVEW-05	Extraction	460	15	O_2	Percent	11/28/11 9:23	18.08	Horiba	use sample bag
						11/28/11 10:24	17.39		
						11/28/11 11:36	12.63		
						11/28/11 12:28	14.59		close valve, read directly from port
						11/28/11 13:34	12.94		
						11/28/11 14:20	12.23		
						11/28/11 15:21	13.92		
						11/28/11 16:17	12.87		
						11/29/11 8:11	12.05		
						11/29/11 15:05	16.53		
						11/30/2011 8:08	13.9		
						11/30/2011 14:58	13.56		
						12/1/2011 8:10	13.92		
						12/2/2011 9:17	13.91		

Table L-9
Data Collected for ROI Test 5DTSVEW-05

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVEW-05	Extraction	460	15	Hydrocarbon	PPM	11/28/11 9:23	990	Horiba	use sample bag
						11/28/11 10:24	1419		
						11/28/11 11:36	2290		
						11/28/11 12:28	2270		close valve, read directly from port
						11/28/11 13:34	2430		
						11/28/11 14:20	2850		
						11/28/11 15:21	2650		
						11/28/11 16:17	3060		
						11/29/11 8:11	3410		
						11/29/11 15:05	6270		
						11/30/2011 8:08	3490		
						11/30/2011 14:58	3560		
						12/1/2011 8:10	3620		
						12/2/2011 9:17	3570		

"	inches
^{0}F	degrees Fahrenheit
BGS	below ground surface
CO_2	Carbon dioxide
ft	foot (feet)
ft^3/min	cubic feet per minute
Horiba	Horiba Mexa-584L
ID	Identification
-in-WC	Vacuum pressure, negative inches of Water Column
KAFB	Kirtland Air Force Base
O_2	Oxygen
PPM	parts per million
SVEW	Soil Vapor Extraction Well
SVMW	Soil Vapor Monitoring Well

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Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106149-349	Monitor	349	150	Vacuum	-in-WC	12/12/11 9:52	-0.45	Digital manometer	
						12/12/11 10:24	-0.78		
						12/12/11 11:49	-0.77		
						12/12/11 13:55	-1.17		
						12/12/11 15:37	-1.48		
						12/13/11 8:29	-1.19		
						12/13/11 15:15	-2.28		
						12/14/11 8:18	-0.19		
						12/14/11 14:35	-0.4		
						12/15/11 8:36	1.21		
						12/16/11 8:18	2.17		
KAFB-106149-199	Monitor	199	175	Vacuum	-in-WC	12/12/11 10:24	-0.61	Digital manometer	
						12/12/11 11:49	-1.01		
						12/12/11 13:55	-0.54		
						12/12/11 15:37	-0.49		
						12/13/11 8:29	-0.53		
						12/13/11 15:15	-1.86		
						12/14/11 8:18	-0.1		
						12/14/11 14:35	-0.2		
						12/15/11 8:36	0.88		
						12/16/11 8:18	1.52		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106117-450	Monitor	450	10	Vacuum	-in-WC	12/12/11 9:46	0	Digital manometer	
						12/12/11 10:26	0		
						12/12/11 11:50	-0.24		
						12/12/11 13:58	-0.51		
						12/12/11 15:39	-0.44		
						12/13/11 8:33	-0.49		
						12/13/11 15:18	-1.75		
						12/14/11 8:21	0.19		
						12/14/11 14:37	0.31		
						12/15/11 8:32	2.08		
						12/16/11 8:20	3.16		
KAFB-106117-350	Monitor	350	10	Vacuum	-in-WC	12/12/11 9:46	-0.49	Digital manometer	
						12/12/11 10:26	-0.64		
						12/12/11 11:50	-0.85		
						12/12/11 13:58	-1.12		
						12/12/11 15:39	-1.09		
						12/13/11 8:33	-0.8		
						12/13/11 15:18	-2.06		
						12/14/11 8:21	-0.07		
						12/14/11 14:37	0		
						12/15/11 8:32	1.69		
						12/16/11 8:20	2.72		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106117-250	Monitor	250	10	Vacuum	-in-WC	12/12/11 9:46	-0.58	Digital manometer	
						12/12/11 10:26	-0.81		
						12/12/11 11:50	-1.05		
						12/12/11 13:58	-1.37		
						12/12/11 15:39	-1.3		
						12/13/11 8:33	-1.04		
						12/13/11 15:18	-2.23		
						12/14/11 8:21	-0.24		
						12/14/11 14:37	-0.25		
						12/15/11 8:32	1.24		
						12/16/11 8:20	2.12		
KAFB-106117-150	Monitor	150	10	Vacuum	-in-WC	12/12/11 9:46	-0.48	Digital manometer	
						12/12/11 10:26	-0.72		
						12/12/11 11:50	-1.01		
						12/12/11 13:58	-1.31		
						12/12/11 15:39	-1.26		
						12/13/11 8:33	-0.98		
						12/13/11 15:18	-2.12		
						12/14/11 8:21	-0.2		
						12/14/11 14:37	-0.28		
						12/15/11 8:32	1.06		
						12/16/11 8:20	1.82		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106117-50	Monitor	50	10	Vacuum	-in-WC	12/12/11 9:46	0	Digital manometer	
						12/12/11 10:26	-0.24		
						12/12/11 11:50	-0.32		
						12/12/11 13:58	-0.53		
						12/12/11 15:39	-0.46		
						12/13/11 8:33	-0.3		
						12/13/11 15:18	-0.86		
						12/14/11 8:21	0.12		
						12/14/11 14:37	-0.02		
						12/15/11 8:32	0.49		
						12/16/11 8:20	0.76		
KAFB-106117-25	Monitor	25	10	Vacuum	-in-WC	12/12/11 9:46	0	Digital manometer	
						12/12/11 10:26	-0.11		
						12/12/11 11:50	-0.12		
						12/12/11 13:58	-0.27		
						12/12/11 15:39	-0.23		
						12/13/11 8:33	-0.15		
						12/13/11 15:18	-0.46		
						12/14/11 8:21	0.8		
						12/14/11 14:37	0		
						12/15/11 8:32	0.25		
						12/16/11 8:20	0.38		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106116-450	Monitor	450	10	Vacuum	-in-WC	12/12/11 8:42	-0.94	Digital manometer	
						12/12/11 10:31	-0.64		
						12/12/11 12:05	-0.86		
						12/12/11 14:04	-1.13		
						12/12/11 15:45	-1.16		
						12/13/11 8:04	-0.99		
						12/13/11 15:25	-2.19		
						12/14/11 8:01	-0.28		
						12/14/11 14:45	-0.05		
						12/15/11 8:19	1.5		
						12/16/11 8:25	2.48		
KAFB-106116-350	Monitor	350	10	Vacuum	-in-WC	12/12/11 8:42	-1.21	Digital manometer	
						12/12/11 10:31	-0.93		
						12/12/11 12:05	-1.15		
						12/12/11 14:04	-1.42		
						12/12/11 15:45	-1.42		
						12/13/11 8:04	-1.25		
						12/13/11 15:25	-2.45		
						12/14/11 8:01	-0.54		
						12/14/11 14:45	-0.29		
						12/15/11 8:19	1.3		
						12/16/11 8:25	2.47		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106116-250	Monitor	250	10	Vacuum	-in-WC	12/12/11 8:42	-0.57	Digital manometer	
						12/12/11 10:31	-0.54		
						12/12/11 12:05	-1		
						12/12/11 14:04	-1.38		
						12/12/11 15:45	-1.23		
						12/13/11 8:04	-1.05		
						12/13/11 15:25	-2.43		
						12/14/11 8:01	-0.46		
						12/14/11 14:45	-0.32		
						12/15/11 8:19	1.09		
						12/16/11 8:25	2.07		
KAFB-106116-150	Monitor	150	10	Vacuum	-in-WC	12/12/11 8:42	-0.58	Digital manometer	
						12/12/11 10:31	-0.38		
						12/12/11 12:05	-0.76		
						12/12/11 14:04	-1.08		
						12/12/11 15:45	-0.89		
						12/13/11 8:04	-1.05		
						12/13/11 15:25	-2.48		
						12/14/11 8:01	-0.54		
						12/14/11 14:45	-0.5		
						12/15/11 8:19	0.98		
						12/16/11 8:25	1.82		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106116-50	Monitor	50	10	Vacuum	-in-WC	12/12/11 8:42	-0.11	Digital manometer	
						12/12/11 10:31	-0.14		
						12/12/11 12:05	-0.2		
						12/12/11 14:04	-0.31		
						12/12/11 15:45	-0.17		
						12/13/11 8:04	-0.11		
						12/13/11 15:25	-0.59		
						12/14/11 8:01	0.24		
						12/14/11 14:45	0.04		
						12/15/11 8:19	0.35		
						12/16/11 8:25	0.52		
KAFB-106116-25	Monitor	25	10	Vacuum	-in-WC	12/12/11 8:42	0	Digital manometer	
						12/12/11 10:31	-0.02		
						12/12/11 12:05	0.02		
						12/12/11 14:04	-0.42		
						12/12/11 15:45	0		
						12/13/11 8:04	-0.04		
						12/13/11 15:25	-0.39		
						12/14/11 8:01	0.17		
						12/14/11 14:45	0.04		
						12/15/11 8:19	-0.07		
						12/16/11 8:25	0		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106128-450	Monitor	450	10	Vacuum	-in-WC	12/12/11 9:38	-0.75	Digital manometer	
						12/12/11 10:39	-0.97		
						12/12/11 11:59	-1.09		
						12/12/11 14:13	-1.35		
						12/12/11 15:54	-1.35		
						12/13/11 8:41	-1.03		
						12/13/11 15:33	-2.41		
						12/14/11 8:30	-0.23		
						12/14/11 14:54	-0.1		
						12/15/11 8:41	1.63		
						12/16/11 8:31	2.66		
KAFB-106128-350	Monitor	350	10	Vacuum	-in-WC	12/12/11 9:38	-0.81	Digital manometer	
						12/12/11 10:39	-1.06		
						12/12/11 11:59	-1.2		
						12/12/11 14:13	-1.47		
						12/12/11 15:54	-1.47		
						12/13/11 8:41	-1.2		
						12/13/11 15:33	-2.6		
						12/14/11 8:30	-0.44		
						12/14/11 14:54	-0.33		
						12/15/11 8:41	1.39		
						12/16/11 8:31	2.5		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106128-250	Monitor	250	10	Vacuum	-in-WC	12/12/11 9:38	-0.64	Digital manometer	
						12/12/11 10:39	-0.97		
						12/12/11 11:59	-1.13		
						12/12/11 14:13	-1.41		
						12/12/11 15:54	-1.42		
						12/13/11 8:41	-1.08		
						12/13/11 15:33	-2.45		
						12/14/11 8:30	-0.3		
						12/14/11 14:54	-0.28		
						12/15/11 8:41	1.2		
						12/16/11 8:31	2.12		
KAFB-106128-150	Monitor	150	10	Vacuum	-in-WC	12/12/11 9:38	-0.49	Digital manometer	
						12/12/11 10:39	-0.83		
						12/12/11 11:59	-1.02		
						12/12/11 14:13	-1.27		
						12/12/11 15:54	-1.27		
						12/13/11 8:41	-1		
						12/13/11 15:33	-2.26		
						12/14/11 8:30	-0.21		
						12/14/11 14:54	-0.24		
						12/15/11 8:41	1.08		
						12/16/11 8:31	1.89		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106128-50	Monitor	50	10	Vacuum	-in-WC	12/12/11 9:38	0.03	Digital manometer	
						12/12/11 10:39	-0.32		
						12/12/11 11:59	-0.31		
						12/12/11 14:13	-0.41		
						12/12/11 15:54	-0.43		
						12/13/11 8:41	-0.27		
						12/13/11 15:33	-0.93		
						12/14/11 8:30	0.17		
						12/14/11 14:54	-0.01		
						12/15/11 8:41	0.48		
						12/16/11 8:31	0.75		
KAFB-106128-25	Monitor	25	10	Vacuum	-in-WC	12/12/11 9:38	0.05	Digital manometer	
						12/12/11 10:39	-0.19		
						12/12/11 11:59	-0.16		
						12/12/11 14:13	-0.38		
						12/12/11 15:54	-0.63		
						12/13/11 8:41	-0.15		
						12/13/11 15:33	-0.58		
						12/14/11 8:30	0.15		
						12/14/11 14:54	0		
						12/15/11 8:41	0.28		
						12/16/11 8:31	0.45		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106114-450	Monitor	450	10	Vacuum	-in-WC	12/12/11 9:31	-0.71	Digital manometer	
						12/12/11 10:45	-1.05		
						12/12/11 12:14	-1.18		
						12/12/11 14:19	-1.37		
						12/12/11 16:01	-1.01		
						12/13/11 8:49	-1.07		
						12/13/11 15:43	-2.63		
						12/14/11 8:38	-0.36		
						12/14/11 15:00	-0.23		
						12/15/11 8:47	1.53		
						12/16/11 8:37	2.69		
KAFB-106114-350	Monitor	350	10	Vacuum	-in-WC	12/12/11 9:31	-0.95	Digital manometer	
						12/12/11 10:45	-1.23		
						12/12/11 12:14	-0.98		
						12/12/11 14:19	-1.56		
						12/12/11 16:01	-1.49		
						12/13/11 8:49	-1.11		
						12/13/11 15:43	-2.65		
						12/14/11 8:38	-0.4		
						12/14/11 15:00	-0.3		
						12/15/11 8:47	1.34		
						12/16/11 8:37	2.45		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106114-250	Monitor	250	10	Vacuum	-in-WC	12/12/11 9:31	-0.72	Digital manometer	
						12/12/11 10:45	-1.08		
						12/12/11 12:14	-1.25		
						12/12/11 14:19	-1.23		
						12/12/11 16:01	-1.38		
						12/13/11 8:49	-1.28		
						12/13/11 15:43	-2.68		
						12/14/11 8:38	-0.35		
						12/14/11 15:00	-0.33		
						12/15/11 8:47	1.23		
						12/16/11 8:37	2.19		
KAFB-106114-150	Monitor	150	10	Vacuum	-in-WC	12/12/11 9:31	-0.69	Digital manometer	
						12/12/11 10:45	-1.03		
						12/12/11 12:14	-1.23		
						12/12/11 14:19	-1.42		
						12/12/11 16:01	-1.35		
						12/13/11 8:49	-1.1		
						12/13/11 15:43	-2.57		
						12/14/11 8:38	-0.29		
						12/14/11 15:00	-0.3		
						12/15/11 8:47	1.18		
						12/16/11 8:37	2.08		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106114-50	Monitor	50	10	Vacuum	-in-WC	12/12/11 9:31	0.19	Digital manometer	
						12/12/11 10:45	-0.21		
						12/12/11 12:14	-0.19		
						12/12/11 14:19	-0.18		
						12/12/11 16:01	-0.1		
						12/13/11 8:49	0		
						12/13/11 15:43	-0.56		
						12/14/11 8:38	0.33		
						12/14/11 15:00	0.09		
						12/15/11 8:47	0.31		
						12/16/11 8:37	0.44		
KAFB-106114-25	Monitor	25	10	Vacuum	-in-WC	12/12/11 9:31	0.16	Digital manometer	
						12/12/11 10:45	-0.18		
						12/12/11 12:14	-0.12		
						12/12/11 14:19	-0.15		
						12/12/11 16:01	-0.09		
						12/13/11 8:49	0		
						12/13/11 15:43	-0.49		
						12/14/11 8:38	0.3		
						12/14/11 15:00	0.08		
						12/15/11 8:47	0.29		
						12/16/11 8:37	0.38		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106113-450	Monitor	450	10	Vacuum	-in-WC	12/12/11 9:25	-0.99	Digital manometer	
						12/12/11 10:54	-1.23		
						12/12/11 12:32	-1.44		
						12/12/11 14:32	-1.53		
						12/12/11 16:15	-1.44		
						12/13/11 9:14	-1.11		
						12/13/11 15:59	-2.73		
						12/14/11 9:06	-0.4		
						12/14/11 15:13	-0.38		
						12/15/11 9:10	1.28		
						12/16/11 9:00	2.55		
KAFB-106113-350	Monitor	350	10	Vacuum	-in-WC	12/12/11 9:25	-1.01	Digital manometer	
						12/12/11 10:54	-1.28		
						12/12/11 12:32	-1.5		
						12/12/11 14:32	-1.6		
						12/12/11 16:15	-1.49		
						12/13/11 9:14	-1.23		
						12/13/11 15:59	-2.8		
						12/14/11 9:06	-0.45		
						12/14/11 15:13	-0.43		
						12/15/11 9:10	1.24		
						12/16/11 9:00	2.51		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106113-250	Monitor	250	10	Vacuum	-in-WC	12/12/11 9:25	-0.83	Digital manometer	
						12/12/11 10:54	-1.16		
						12/12/11 12:32	-1.41		
						12/12/11 14:32	-1.53		
						12/12/11 16:15	-1.44		
						12/13/11 9:14	-1.13		
						12/13/11 15:59	-2.68		
						12/14/11 9:06	-0.27		
						12/14/11 15:13	-0.32		
						12/15/11 9:10	1.16		
						12/16/11 9:00	2.28		
KAFB-106113-150	Monitor	150	10	Vacuum	-in-WC	12/12/11 9:25	-0.68	Digital manometer	
						12/12/11 10:54	-1.03		
						12/12/11 12:32	-1.3		
						12/12/11 14:32	-1.38		
						12/12/11 16:15	-1.29		
						12/13/11 9:14	-0.97		
						12/13/11 15:59	-2.45		
						12/14/11 9:06	-0.13		
						12/14/11 15:13	-0.23		
						12/15/11 9:10	1.08		
						12/16/11 9:00	2.09		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106113-50	Monitor	50	10	Vacuum	-in-WC	12/12/11 9:25	0.19	Digital manometer	
						12/12/11 10:54	-0.25		
						12/12/11 12:32	-0.27		
						12/12/11 14:32	-0.19		
						12/12/11 16:15	-0.12		
						12/13/11 9:14	0.02		
						12/13/11 15:59	-0.42		
						12/14/11 9:06	0.34		
						12/14/11 15:13	0.08		
						12/15/11 9:10	0.21		
						12/16/11 9:00	0.43		
KAFB-106113-20	Monitor	20	10	Vacuum	-in-WC	12/12/11 9:25	0.11	Digital manometer	
						12/12/11 10:54	-0.11		
						12/12/11 12:32	-0.12		
						12/12/11 14:32	-0.08		
						12/12/11 16:15	-0.04		
						12/13/11 9:14	0		
						12/13/11 15:59	-0.16		
						12/14/11 9:06	0.14		
						12/14/11 15:13	0.05		
						12/15/11 9:10	0.07		
						12/16/11 9:00	0.18		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106121-450	Monitor	450	10	Vacuum	-in-WC	12/12/11 9:07	-1.37	Digital manometer	
						12/12/11 10:49	-1.22		
						12/12/11 12:22	-1.39		
						12/12/11 14:25	-1.51		
						12/12/11 16:07	-1.22		
						12/13/11 8:56	-1.19		
						12/13/11 15:52	-2.76		
						12/14/11 8:48	-0.59		
						12/14/11 15:07	-0.45		
						12/15/11 8:55	1.13		
						12/16/11 8:44	2.26		
KAFB-106121-350	Monitor	350	10	Vacuum	-in-WC	12/12/11 9:07	-1.37	Digital manometer	
						12/12/11 10:49	-1.31		
						12/12/11 12:22	-1.46		
						12/12/11 14:25	-1.61		
						12/12/11 16:07	-1.23		
						12/13/11 8:56	-1.28		
						12/13/11 15:52	-2.94		
						12/14/11 8:48	-0.64		
						12/14/11 15:07	-0.54		
						12/15/11 8:55	1.22		
						12/16/11 8:44	2.4		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106121-250	Monitor	250	10	Vacuum	-in-WC	12/12/11 9:07	-1.2	Digital manometer	
						12/12/11 10:49	-1.16		
						12/12/11 12:22	-1.37		
						12/12/11 14:25	-1.5		
						12/12/11 16:07	-1.07		
						12/13/11 8:56	-1.18		
						12/13/11 15:52	-2.83		
						12/14/11 8:48	-0.45		
						12/14/11 15:07	-0.4		
						12/15/11 8:55	1.22		
						12/16/11 8:44	2.25		
KAFB-106121-145	Monitor	145	10	Vacuum	-in-WC	12/12/11 9:07	-1	Digital manometer	
						12/12/11 10:49	-1.02		
						12/12/11 12:22	-1.2		
						12/12/11 14:25	-1.33		
						12/12/11 16:07	-0.83		
						12/13/11 8:56	-0.97		
						12/13/11 15:52	-2.54		
						12/14/11 8:48	-0.22		
						12/14/11 15:07	-0.3		
						12/15/11 8:55	1.11		
						12/16/11 8:44	2.02		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106121-50	Monitor	50	10	Vacuum	-in-WC	12/12/11 9:07	-0.04	Digital manometer	
						12/12/11 10:49	-0.13		
						12/12/11 12:22	-0.36		
						12/12/11 14:25	-0.04		
						12/12/11 16:07	-0.24		
						12/13/11 8:56	0.1		
						12/13/11 15:52	-0.27		
						12/14/11 8:48	0.33		
						12/14/11 15:07	0.07		
						12/15/11 8:55	0.23		
						12/16/11 8:44	0.22		
KAFB-106121-25	Monitor	25	10	Vacuum	-in-WC	12/12/11 9:07	-0.05	Digital manometer	
						12/12/11 10:49	-0.15		
						12/12/11 12:22	-0.15		
						12/12/11 14:25	0		
						12/12/11 16:07	0		
						12/13/11 8:56	0.13		
						12/13/11 15:52	-0.37		
						12/14/11 8:48	0.27		
						12/14/11 15:07	0.1		
						12/15/11 8:55	0.18		
						12/16/11 8:44	0.3		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106129-450	Monitor	450	10	Vacuum	-in-WC	12/12/11 8:54	-1.27	Digital manometer	
						12/12/11 10:59	-1.24		
						12/12/11 12:37	-1.42		
						12/12/11 14:40	-1.5		
						12/12/11 16:23	-1.17		
						12/13/11 9:23	-1		
						12/13/11 16:06	-2.78		
						12/14/11 9:14	-0.4		
						12/14/11 15:22	-0.37		
						12/15/11 9:18	1.3		
						12/16/11 9:07	2.55		
KAFB-106129-350	Monitor	350	10	Vacuum	-in-WC	12/12/11 8:54	-1.27	Digital manometer	
						12/12/11 10:59	-1.3		
						12/12/11 12:37	-1.47		
						12/12/11 14:40	-1.55		
						12/12/11 16:23	-1.47		
						12/13/11 9:23	-1.19		
						12/13/11 16:06	-2.84		
						12/14/11 9:14	-0.41		
						12/14/11 15:22	-0.42		
						12/15/11 9:18	1.25		
						12/16/11 9:07	2.47		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106129-250	Monitor	250	10	Vacuum	-in-WC	12/12/11 8:54	-0.93	Digital manometer	
						12/12/11 10:59	-1.02		
						12/12/11 12:37	-1.23		
						12/12/11 14:40	-1.27		
						12/12/11 16:23	-1.18		
						12/13/11 9:23	-0.92		
						12/13/11 16:06	-2.53		
						12/14/11 9:14	-0.11		
						12/14/11 15:22	-0.1		
						12/15/11 9:18	1.18		
						12/16/11 9:07	2.26		
KAFB-106129-150	Monitor	150	10	Vacuum	-in-WC	12/12/11 8:54	-0.92	Digital manometer	
						12/12/11 10:59	-0.97		
						12/12/11 12:37	-1.2		
						12/12/11 14:40	-1.26		
						12/12/11 16:23	-1.16		
						12/13/11 9:23	-0.88		
						12/13/11 16:06	-2.36		
						12/14/11 9:14	-0.02		
						12/14/11 15:22	-0.2		
						12/15/11 9:18	1.07		
						12/16/11 9:07	1.98		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106129-50	Monitor	50	10	Vacuum	-in-WC	12/12/11 8:54	-0.07	Digital manometer	
						12/12/11 10:59	-0.25		
						12/12/11 12:37	-0.28		
						12/12/11 14:40	-0.2		
						12/12/11 16:23	-0.03		
						12/13/11 9:23	-0.34		
						12/13/11 16:06	-0.47		
						12/14/11 9:14	0.31		
						12/14/11 15:22	0.11		
						12/15/11 9:18	0.29		
						12/16/11 9:07	0.46		
KAFB-106129-25	Monitor	25	10	Vacuum	-in-WC	12/12/11 8:54	-0.02	Digital manometer	
						12/12/11 10:59	-0.43		
						12/12/11 12:37	0		
						12/12/11 14:40	-0.15		
						12/12/11 16:23	-0.1		
						12/13/11 9:23	0		
						12/13/11 16:06	-0.4		
						12/14/11 9:14	0.28		
						12/14/11 15:22	0.1		
						12/15/11 9:18	0.25		
						12/16/11 9:07	0.4		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-15-450	Monitor	450	2.5	Vacuum	-in-WC	12/12/11 8:36	-0.87	Digital manometer	
						12/12/11 11:08	-1.04		
						12/12/11 12:45	-1.07		
						12/12/11 14:46	-1.15		
						12/12/11 16:31	-1.06		
						12/13/11 9:31	-0.83		
						12/13/11 16:13	-2.47		
						12/14/11 9:20	0.04		
						12/14/11 15:28	0		
						12/15/11 9:26	1.56		
						12/16/11 9:13	2.63		
SVMW-15-350	Monitor	350	2.5	Vacuum	-in-WC	12/12/11 8:36	-0.93	Digital manometer	
						12/12/11 11:08	-1.28		
						12/12/11 12:45	-1.26		
						12/12/11 14:46	-1.36		
						12/12/11 16:31	-1.26		
						12/13/11 9:31	-1.03		
						12/13/11 16:13	-2.67		
						12/14/11 9:20	-0.16		
						12/14/11 15:28	-0.2		
						12/15/11 9:26	1.46		
						12/16/11 9:13	2.67		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-15-250	Monitor	250	2.5	Vacuum	-in-WC	12/12/11 8:36	-0.96	Digital manometer	
						12/12/11 11:08	-1.3		
						12/12/11 12:45	-1.35		
						12/12/11 14:46	-1.43		
						12/12/11 16:31	-1.35		
						12/13/11 9:31	-1.09		
						12/13/11 16:13	-2.66		
						12/14/11 9:20	-0.15		
						12/14/11 15:28	-0.29		
						12/15/11 9:26	1.19		
						12/16/11 9:13	2.27		
SVMW-15-150	Monitor	150	2.5	Vacuum	-in-WC	12/12/11 8:36	-0.75	Digital manometer	
						12/12/11 11:08	-1.13		
						12/12/11 12:45	-1.2		
						12/12/11 14:46	-1.27		
						12/12/11 16:31	-1.17		
						12/13/11 9:31	-0.89		
						12/13/11 16:13	-2.4		
						12/14/11 9:20	0.02		
						12/14/11 15:28	-0.19		
						12/15/11 9:26	1.08		
						12/16/11 9:13	2.07		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106112-450	Monitor	450	10	Vacuum	-in-WC	12/12/11 8:27	-1.02	Digital manometer	
						12/12/11 11:05	-1.16		
						12/12/11 12:42	-1.34		
						12/12/11 14:49	-1.34		
						12/12/11 16:35	-1.34		
						12/13/11 9:35	-1		
						12/13/11 16:18	-2.68		
						12/14/11 9:26	-0.12		
						12/14/11 15:31	-0.15		
						12/15/11 9:43	1.53		
						12/16/11 9:17	2.75		
KAFB-106112-350	Monitor	350	10	Vacuum	-in-WC	12/12/11 8:27	-0.84	Digital manometer	
						12/12/11 11:05	-1.07		
						12/12/11 12:42	-1.15		
						12/12/11 14:49	-1.16		
						12/12/11 16:35	-1.11		
						12/13/11 9:35	-0.81		
						12/13/11 16:18	-2.7		
						12/14/11 9:26	-0.15		
						12/14/11 15:31	-0.09		
						12/15/11 9:43	1.47		
						12/16/11 9:17	2.72		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106112-250	Monitor	250	10	Vacuum	-in-WC	12/12/11 8:27	-0.86	Digital manometer	
						12/12/11 11:05	-1.16		
						12/12/11 12:42	-1.33		
						12/12/11 14:49	-1.36		
						12/12/11 16:35	-1.38		
						12/13/11 9:35	-1		
						12/13/11 16:18	-2.63		
						12/14/11 9:26	-0.08		
						12/14/11 15:31	-0.21		
						12/15/11 9:43	1.27		
						12/16/11 9:17	2.39		
KAFB-106112-150	Monitor	150	10	Vacuum	-in-WC	12/12/11 8:27	-0.67	Digital manometer	
						12/12/11 11:05	-1.07		
						12/12/11 12:42	-1.22		
						12/12/11 14:49	-1.23		
						12/12/11 16:35	-1.11		
						12/13/11 9:35	-0.85		
						12/13/11 16:18	-2.37		
						12/14/11 9:26	0		
						12/14/11 15:31	-0.17		
						12/15/11 9:43	1.1		
						12/16/11 9:17	2.08		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106112-50	Monitor	50	10	Vacuum	-in-WC	12/12/11 8:27	-0.04	Digital manometer	
						12/12/11 11:05	-0.39		
						12/12/11 12:42	-0.35		
						12/12/11 14:49	-0.26		
						12/12/11 16:35	-0.31		
						12/13/11 9:35	-0.11		
						12/13/11 16:18	-0.69		
						12/14/11 9:26	0.27		
						12/14/11 15:31	0.06		
						12/15/11 9:43	0.34		
						12/16/11 9:17	0.66		
KAFB-106112-25	Monitor	25	10	Vacuum	-in-WC	12/12/11 8:27	-0.04	Digital manometer	
						12/12/11 11:05	-0.28		
						12/12/11 12:42	-0.23		
						12/12/11 14:49	-0.17		
						12/12/11 16:35	-0.22		
						12/13/11 9:35	-0.06		
						12/13/11 16:18	-0.47		
						12/14/11 9:26	0.22		
						12/14/11 15:31	0.05		
						12/15/11 9:43	0.23		
						12/16/11 9:17	0.44		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106119-450	Monitor	450	10	Vacuum	-in-WC	12/12/11 8:13	-1	Digital manometer	
						12/12/11 11:13	-1.17		
						12/12/11 12:52	-1.26		
						12/12/11 14:55	-1.29		
						12/12/11 16:40	-1.31		
						12/13/11 9:42	-0.92		
						12/13/11 16:24	-2.52		
						12/14/11 9:32	-0.07		
						12/14/11 15:38	-0.07		
						12/15/11 9:33	1.6		
						12/16/11 9:23	2.86		
KAFB-106119-350	Monitor	350	10	Vacuum	-in-WC	12/12/11 8:13	-1.1	Digital manometer	
						12/12/11 11:13	-1.28		
						12/12/11 12:52	-1.38		
						12/12/11 14:55	-1.43		
						12/12/11 16:40	-1.44		
						12/13/11 9:42	-1.01		
						12/13/11 16:24	-2.64		
						12/14/11 9:32	-0.12		
						12/14/11 15:38	-0.11		
						12/15/11 9:33	1.55		
						12/16/11 9:23	2.78		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106119-250	Monitor	250	10	Vacuum	-in-WC	12/12/11 8:13	-0.88	Digital manometer	
						12/12/11 11:13	-1.25		
						12/12/11 12:52	-1.39		
						12/12/11 14:55	-1.44		
						12/12/11 16:40	-1.46		
						12/13/11 9:42	-0.71		
						12/13/11 16:24	-2.59		
						12/14/11 9:32	-0.07		
						12/14/11 15:38	-0.16		
						12/15/11 9:33	1.28		
						12/16/11 9:23	2.39		
KAFB-106119-150	Monitor	150	10	Vacuum	-in-WC	12/12/11 8:13	-0.76	Digital manometer	
						12/12/11 11:13	-1.15		
						12/12/11 12:52	-1.29		
						12/12/11 14:55	-1.34		
						12/12/11 16:40	-1.33		
						12/13/11 9:42	-0.9		
						12/13/11 16:24	-2.45		
						12/14/11 9:32	0		
						12/14/11 15:38	-0.1		
						12/15/11 9:33	1.19		
						12/16/11 9:23	2.55		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106119-50	Monitor	50	10	Vacuum	-in-WC	12/12/11 8:13	0	Digital manometer	
						12/12/11 11:13	-0.19		
						12/12/11 12:52	-0.14		
						12/12/11 14:55	-0.05		
						12/12/11 16:40	-0.2		
						12/13/11 9:42	-0.32		
						12/13/11 16:24	-0.59		
						12/14/11 9:32	0.3		
						12/14/11 15:38	0.1		
						12/15/11 9:33	0.34		
						12/16/11 9:23	0.61		
KAFB-106119-25	Monitor	25	10	Vacuum	-in-WC	12/12/11 8:13	0	Digital manometer	
						12/12/11 11:13	-0.06		
						12/12/11 12:52	-0.3		
						12/12/11 14:55	-0.38		
						12/12/11 16:40	-0.38		
						12/13/11 9:42	-0.29		
						12/13/11 16:24	-0.38		
						12/14/11 9:32	0.15		
						12/14/11 15:38	0.05		
						12/15/11 9:33	0		
						12/16/11 9:23	-0.05		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-03-300	Monitor	300	2.5	Vacuum	-in-WC	12/12/11 8:18	-0.87	Digital manometer	
						12/12/11 11:16	-1.12		
						12/12/11 12:55	-1.26		
						12/12/11 15:00	-1.32		
						12/12/11 16:45	-1.36		
						12/13/11 9:46	-0.94		
						12/13/11 16:28	-2.57		
						12/14/11 9:39	-0.02		
						12/14/11 15:42	-0.02		
						12/15/11 9:37	1.61		
						12/16/11 9:29	2.77		
SVMW-03-250	Monitor	250	2.5	Vacuum	-in-WC	12/12/11 8:18	-0.97	Digital manometer	
						12/12/11 11:16	-1.24		
						12/12/11 12:55	-1.41		
						12/12/11 15:00	-1.42		
						12/12/11 16:45	-1.43		
						12/13/11 9:46	-1.01		
						12/13/11 16:28	-2.59		
						12/14/11 9:39	-0.07		
						12/14/11 15:42	-0.1		
						12/15/11 9:37	1.39		
						12/16/11 9:29	2.42		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
SVMW-03-100	Monitor	100	2.5	Vacuum	-in-WC	12/12/11 8:18	-0.31	Digital manometer	
						12/12/11 11:16	-0.66		
						12/12/11 12:55	-0.73		
						12/12/11 15:00	-0.66		
						12/12/11 16:45	-0.67		
						12/13/11 9:46	-0.37		
						12/13/11 16:28	-1.43		
						12/14/11 9:39	0.3		
						12/14/11 15:42	0.11		
						12/15/11 9:37	0.89		
						12/16/11 9:29	1.36		
SVMW-03-50	Monitor	50	2.5	Vacuum	-in-WC	12/12/11 8:18	-0.06	Digital manometer	
						12/12/11 11:16	-0.39		
						12/12/11 12:55	-0.42		
						12/12/11 15:00	-0.34		
						12/12/11 16:45	-0.36		
						12/13/11 9:46	-0.17		
						12/13/11 16:28	-0.85		
						12/14/11 9:39	0.28		
						12/14/11 15:42	0.13		
						12/15/11 9:37	0.55		
						12/16/11 9:29	0.77		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106111-450	Monitor	450	10	Vacuum	-in-WC	12/12/11 8:00	-1.13	Digital manometer	
						12/12/11 11:24	-1.56		
						12/12/11 13:03	-1.43		
						12/12/11 15:08	-1.54		
						12/12/11 16:53	-1.58		
						12/13/11 9:56	-1.16		
						12/13/11 16:37	-2.84		
						12/14/11 9:50	-0.26		
						12/14/11 15:56	-0.23		
						12/15/11 9:53	1.4		
						12/16/11 9:40	2.74		
KAFB-106111-350	Monitor	350	10	Vacuum	-in-WC	12/12/11 8:00	-1.19	Digital manometer	
						12/12/11 11:24	-1.65		
						12/12/11 13:03	-1.52		
						12/12/11 15:08	-1.65		
						12/12/11 16:53	-1.67		
						12/13/11 9:56	-1.22		
						12/13/11 16:37	-2.91		
						12/14/11 9:50	-0.28		
						12/14/11 15:56	-0.24		
						12/15/11 9:53	1.42		
						12/16/11 9:40	2.75		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106111-250	Monitor	250	10	Vacuum	-in-WC	12/12/11 8:00	-0.79	Digital manometer	
						12/12/11 11:24	-1.36		
						12/12/11 13:03	-1.18		
						12/12/11 15:08	-1.35		
						12/12/11 16:53	-1.35		
						12/13/11 9:56	-1.21		
						12/13/11 16:37	-2.97		
						12/14/11 9:50	-0.09		
						12/14/11 15:56	-0.14		
						12/15/11 9:53	1.33		
						12/16/11 9:40	2.48		
KAFB-106111-150	Monitor	150	10	Vacuum	-in-WC	12/12/11 8:00	-0.89	Digital manometer	
						12/12/11 11:24	-1.39		
						12/12/11 13:03	-1.27		
						12/12/11 15:08	-1.39		
						12/12/11 16:53	-1.42		
						12/13/11 9:56	-1		
						12/13/11 16:37	-2.51		
						12/14/11 9:50	-0.02		
						12/14/11 15:56	-0.1		
						12/15/11 9:53	1.24		
						12/16/11 9:40	2.31		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106111-50	Monitor	50	10	Vacuum	-in-WC	12/12/11 8:00	-0.02	Digital manometer	
						12/12/11 11:24	-0.55		
						12/12/11 13:03	-0.32		
						12/12/11 15:08	-0.36		
						12/12/11 16:53	-0.15		
						12/13/11 9:56	-0.2		
						12/13/11 16:37	-0.75		
						12/14/11 9:50	0.02		
						12/14/11 15:56	0.1		
						12/15/11 9:53	0.41		
						12/16/11 9:40	0.72		
KAFB-106111-25	Monitor	25	10	Vacuum	-in-WC	12/12/11 8:00	0	Digital manometer	
						12/12/11 11:24	-0.17		
						12/12/11 13:03	-0.1		
						12/12/11 15:08	-0.26		
						12/12/11 16:53	-0.01		
						12/13/11 9:56	0.17		
						12/13/11 16:37	-0.27		
						12/14/11 9:50	0.09		
						12/14/11 15:56	0.03		
						12/15/11 9:53	0.15		
						12/16/11 9:40	0.24		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106149-484	Extraction	484	130	Vacuum	-in-WC	12/12/2011 8:45	0	0-2" magnehelic gauge	Test Start
						12/12/2011 10:02	14	0-20" magnehelic gauge	
						12/12/2011 11:34	16.5	0-20" magnehelic gauge	
						12/12/2011 13:40	15.5	0-20" magnehelic gauge	
						12/12/2011 15:21	15	0-20" magnehelic gauge	
						12/13/2011 8:13	14.5	0-20" magnehelic gauge	
						12/13/2011 15:00	12.75	0-20" magnehelic gauge	
						12/14/2011 8:14	12.5	0-20" magnehelic gauge	
						12/14/2011 14:29	12.75	0-20" magnehelic gauge	
						12/15/2011 8:29	14.25	0-20" magnehelic gauge	
						12/16/2011 7:56	16.5	0-20" magnehelic gauge	
KAFB-106149-484	Extraction	484	130	Flow Rate	ft^3/min	12/12/2011 8:45	0	Hot-wire anemometer	Test Start
						12/12/2011 10:02	41.8		
						12/12/2011 11:34	38.9		
						12/12/2011 13:40	54.8		
						12/12/2011 15:21	46.9		
						12/13/2011 8:13	69.8		
						12/13/2011 15:00	61.0		
						12/14/2011 8:14	61.0		
						12/14/2011 14:29	61.9		
						12/15/2011 8:29	59.2		
						12/16/2011 7:56	46.9		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106149-484	Extraction	484	130	Temperature	^{0}F	12/12/2011 10:02	49	Hot-wire anemometer	
						12/12/2011 11:34	44		
						12/12/2011 13:40	40.1		
						12/12/2011 15:21	40		
						12/13/2011 8:13	54.4		
						12/13/2011 15:00	56.2		
						12/14/2011 8:14	48.3		
						12/14/2011 14:29	48.7		
						12/15/2011 8:29	51.6		
						12/16/2011 7:56	55		
KAFB-106149-484	Extraction	484	130	CO_2	Percent	12/12/2011 10:13	0.28	Horiba	Vapors diluted 10X prior to measurement
						12/12/2011 11:44	0.32		
						12/12/2011 13:47	0.48		
						12/12/2011 15:31	0.36		
						12/13/2011 8:24	0.36		
						12/13/2011 15:07	0.38		
						12/14/2011 8:08	0.38		
						12/14/2011 14:32	0.42		
						12/15/2011 8:25	0.32		
						12/16/2011 8:09	0.32		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106149-484	Extraction	484	130	O_2	Percent	12/12/2011 10:13	20.49	Horiba	Vapors diluted 10X prior to measurement
						12/12/2011 11:44	20.22		
						12/12/2011 13:47	19.88		
						12/12/2011 15:31	20.21		
						12/13/2011 8:24	20.14		
						12/13/2011 15:07	20.14		
						12/14/2011 8:08	20.61		
						12/14/2011 14:32	20.38		
						12/15/2011 8:25	20.52		
						12/16/2011 8:09	20.64		
KAFB-106149-484	Extraction	484	130	Hydrocarbon	PPM	12/12/2011 10:13	14650	Horiba	Vapors diluted 10X prior to measurement
						12/12/2011 11:44	16100		
						12/12/2011 13:47	23800		
						12/12/2011 15:31	17920		
						12/13/2011 8:24	19200		
						12/13/2011 15:07	17800		
						12/14/2011 8:08	17800		
						12/14/2011 14:32	20900		
						12/15/2011 8:25	17700		
						12/16/2011 8:09	17600		

Table L-10
Data Collected for ROI Test 5DTKAFB106149-484

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Comments
KAFB-106149-484	Extraction	484	130	LEL	Percent	12/12/2011 10:13	74	Orion 4-gas	
						12/12/2011 11:44	70		
						12/12/2011 13:47	72		
						12/12/2011 15:31	29		
						12/13/2011 8:24	>100		snug fit to Orion 4-gas probe, readings following likely more accurate that 12/12/11 readings.
						12/13/2011 15:07	>100		
						12/14/2011 8:08	>100		
						12/14/2011 14:32	>100		
						12/15/2011 8:25	>100		
						12/16/2011 8:09	>100		

"	inches
^{0}F	degrees Fahrenheit
10X	ten times
BGS	below ground surface
CO_2	Carbon dioxide
ft	foot (feet)
ft^3/min	cubic feet per minute
Horiba	Horiba Mexa-584-L
ID	Identification
-in-WC	Vacuum pressure, negative inches of Water Column
KAFB	Kirtland Air Force Base
LEL	Lower Explosive Limit
O_2	Oxygen
Orion 4-gas	Orion® Multigas Detector
PPM	parts per million
SVMW	Soil Vapor Monitoring Well

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Table L-11
Data Collected from ROI Test 5DTKAFB106121-450 Monitoring Wells After Extraction Ended

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument
KAFB-106121-350	Monitor	350	10	Vacuum	-in-WC	11/14/2011 7:57	-1.35	0-2" magnehelic gauge
						11/15/2011 7:45	-1	0-1" magnehelic gauge
						11/16/2011 7:44	0.57	0-1" magnehelic gauge
						11/17/2011 7:48	2.55	0-4" magnehelic gauge
KAFB-106121-250	Monitor	250	10	Vacuum	-in-WC	11/14/2011 7:57	-1.02	0-2" magnehelic gauge
						11/15/2011 7:45	-0.74	0-1" magnehelic gauge
						11/16/2011 7:44	0.77	0-1" magnehelic gauge
						11/17/2011 7:48	2.35	0-4" magnehelic gauge
KAFB-106121-145	Monitor	145	10	Vacuum	-in-WC	11/14/2011 7:57	-0.81	0-2" magnehelic gauge
						11/15/2011 7:45	-0.56	0-1" magnehelic gauge
						11/16/2011 7:44	0.81	0-1" magnehelic gauge
						11/17/2011 7:48	2	0-4" magnehelic gauge
KAFB-106121-50	Monitor	50	10	Vacuum	-in-WC	11/14/2011 7:57	0.07	0-1" magnehelic gauge
						11/15/2011 7:45	0.14	0-1" magnehelic gauge
						11/16/2011 7:44	0.28	0-1" magnehelic gauge
						11/17/2011 7:48	0.03	0-1" magnehelic gauge
KAFB-106121-25	Monitor	25	10	Vacuum	-in-WC	11/14/2011 7:57	0.1	0-1" magnehelic gauge
						11/15/2011 7:45	0.17	0-1" magnehelic gauge
						11/16/2011 7:44	0.37	0-1" magnehelic gauge
						11/17/2011 7:48	0.04	0-1" magnehelic gauge
KAFB-106122-450	Monitor	450	10	Vacuum	-in-WC	11/14/2011 8:05	-1.15	0-2" magnehelic gauge
						11/15/2011 7:52	-0.75	0-1" magnehelic gauge
						11/16/2011 7:50	0.63	0-1" magnehelic gauge
						11/17/2011 7:54	2.55	0-4" magnehelic gauge

Table L-11
Data Collected from ROI Test 5DTKAFB106121-450 Monitoring Wells After Extraction Ended

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument
KAFB-106122-350	Monitor	350	10	Vacuum	-in-WC	11/14/2011 8:05	-1.3	0-2" magnehelic gauge
						11/15/2011 7:52	-0.98	0-1" magnehelic gauge
						11/16/2011 7:50	0.61	0-1" magnehelic gauge
						11/17/2011 7:54	2.55	0-4" magnehelic gauge
KAFB-106122-250	Monitor	250	10	Vacuum	-in-WC	11/14/2011 8:05	-0.98	0-1" magnehelic gauge
						11/15/2011 7:52	-0.72	0-1" magnehelic gauge
						11/16/2011 7:50	0.79	0-1" magnehelic gauge
						11/17/2011 7:54	2.35	0-4" magnehelic gauge
KAFB-106122-150	Monitor	150	10	Vacuum	-in-WC	11/14/2011 8:05	-0.85	0-1" magnehelic gauge
						11/15/2011 7:52	-0.59	0-1" magnehelic gauge
						11/16/2011 7:50	0.83	0-1" magnehelic gauge
						11/17/2011 7:54	2.15	0-4" magnehelic gauge
KAFB-106122-50	Monitor	50	10	Vacuum	-in-WC	11/14/2011 8:05	0.14	0-1" magnehelic gauge
						11/15/2011 7:52	0.18	0-1" magnehelic gauge
						11/16/2011 7:50	0.42	0-1" magnehelic gauge
						11/17/2011 7:54	0.12	0-1" magnehelic gauge
KAFB-106122-25	Monitor	25	10	Vacuum	-in-WC	11/14/2011 8:05	0.09	0-1" magnehelic gauge
						11/15/2011 7:52	0.1	0-1" magnehelic gauge
						11/16/2011 7:50	0.25	0-1" magnehelic gauge
						11/17/2011 7:54	0.08	0-1" magnehelic gauge
KAFB-106120-450	Monitor	450	10	Vacuum	-in-WC	11/14/2011 8:11	-1.25	0-2" magnehelic gauge
						11/15/2011 7:58	-0.91	0-1" magnehelic gauge
						11/16/2011 7:55	0.62	0-1" magnehelic gauge
						11/17/2011 7:58	2.6	0-4" magnehelic gauge

Table L-11
Data Collected from ROI Test 5DTKAFB106121-450 Monitoring Wells After Extraction Ended

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument
KAFB-106120-350	Monitor	350	10	Vacuum	-in-WC	11/14/2011 8:11	-1.15	0-2" magnehelic gauge
						11/15/2011 7:58	-0.93	0-1" magnehelic gauge
						11/16/2011 7:55	0.56	0-1" magnehelic gauge
						11/17/2011 7:58	2.6	0-4" magnehelic gauge
KAFB-106120-250	Monitor	250	10	Vacuum	-in-WC	11/14/2011 8:11	-0.92	0-1" magnehelic gauge
						11/15/2011 7:58	-0.66	0-1" magnehelic gauge
						11/16/2011 7:55	0.79	0-1" magnehelic gauge
						11/17/2011 7:58	2.35	0-4" magnehelic gauge
KAFB-106120-150	Monitor	150	10	Vacuum	-in-WC	11/14/2011 8:11	-0.8	0-1" magnehelic gauge
						11/15/2011 7:58	-0.54	0-1" magnehelic gauge
						11/16/2011 7:55	0.83	0-1" magnehelic gauge
						11/17/2011 7:58	2.1	0-4" magnehelic gauge
KAFB-106120-50	Monitor	50	10	Vacuum	-in-WC	11/14/2011 8:11	0.12	0-1" magnehelic gauge
						11/15/2011 7:58	0.18	0-1" magnehelic gauge
						11/16/2011 7:55	0.39	0-1" magnehelic gauge
						11/17/2011 7:58	0.14	0-1" magnehelic gauge
KAFB-106120-25	Monitor	25	10	Vacuum	-in-WC	11/14/2011 8:11	0.07	0-1" magnehelic gauge
						11/15/2011 7:58	0.08	0-1" magnehelic gauge
						11/16/2011 7:55	0.2	0-1" magnehelic gauge
						11/17/2011 7:58	0.07	0-1" magnehelic gauge
KAFB-106123-450	Monitor	450	10	Vacuum	-in-WC	11/14/2011 8:17	-1.25	0-2" magnehelic gauge
						11/15/2011 8:03	-0.91	0-1" magnehelic gauge
						11/16/2011 8:00	0.69	0-1" magnehelic gauge
						11/17/2011 8:03	2.6	0-4" magnehelic gauge

Table L-11
Data Collected from ROI Test 5DTKAFB106121-450 Monitoring Wells After Extraction Ended

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument
KAFB-106123-350	Monitor	350	10	Vacuum	-in-WC	11/14/2011 8:17	-1.29	0-2" magnehelic gauge
						11/15/2011 8:03	-0.93	0-1" magnehelic gauge
						11/16/2011 8:00	0.67	0-1" magnehelic gauge
						11/17/2011 8:03	2.6	0-4" magnehelic gauge
KAFB-106123-250	Monitor	250	10	Vacuum	-in-WC	11/14/2011 8:17	-0.97	0-1" magnehelic gauge
						11/15/2011 8:03	-0.67	0-1" magnehelic gauge
						11/16/2011 8:00	0.84	0-1" magnehelic gauge
						11/17/2011 8:03	2.4	0-4" magnehelic gauge
KAFB-106123-150	Monitor	150	10	Vacuum	-in-WC	11/14/2011 8:17	-0.83	0-1" magnehelic gauge
						11/15/2011 8:03	-0.53	0-1" magnehelic gauge
						11/16/2011 8:00	0.87	0-1" magnehelic gauge
						11/17/2011 8:03	2.2	0-4" magnehelic gauge
KAFB-106123-50	Monitor	50	10	Vacuum	-in-WC	11/14/2011 8:17	0.14	0-1" magnehelic gauge
						11/15/2011 8:03	0.19	0-1" magnehelic gauge
						11/16/2011 8:00	0.41	0-1" magnehelic gauge
						11/17/2011 8:03	0.13	0-1" magnehelic gauge
KAFB-106123-25	Monitor	25	10	Vacuum	-in-WC	11/14/2011 8:17	0.06	0-1" magnehelic gauge
						11/15/2011 8:03	0.08	0-1" magnehelic gauge
						11/16/2011 8:00	0.16	0-1" magnehelic gauge
						11/17/2011 8:03	0.05	0-1" magnehelic gauge
KAFB-106113-450	Monitor	450	10	Vacuum	-in-WC	11/14/2011 8:25	-1.2	0-2" magnehelic gauge
						11/15/2011 8:09	-0.87	0-1" magnehelic gauge
						11/16/2011 8:07	0.74	0-1" magnehelic gauge
						11/17/2011 8:08	2.6	0-4" magnehelic gauge

Table L-11
Data Collected from ROI Test 5DTKAFB106121-450 Monitoring Wells After Extraction Ended

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument
KAFB-106113-350	Monitor	350	10	Vacuum	-in-WC	11/14/2011 8:25	-1.2	0-2" magnehelic gauge
						11/15/2011 8:09	-0.9	0-1" magnehelic gauge
						11/16/2011 8:07	0.73	0-1" magnehelic gauge
						11/17/2011 8:08	2.55	0-4" magnehelic gauge
KAFB-106113-250	Monitor	250	10	Vacuum	-in-WC	11/14/2011 8:25	-0.9	0-1" magnehelic gauge
						11/15/2011 8:09	-0.64	0-1" magnehelic gauge
						11/16/2011 8:07	0.88	0-1" magnehelic gauge
						11/17/2011 8:08	2.3	0-4" magnehelic gauge
KAFB-106113-150	Monitor	150	10	Vacuum	-in-WC	11/14/2011 8:25	-0.72	0-1" magnehelic gauge
						11/15/2011 8:09	-0.48	0-1" magnehelic gauge
						11/16/2011 8:07	0.92	0-1" magnehelic gauge
						11/17/2011 8:08	2	0-4" magnehelic gauge
KAFB-106113-50	Monitor	50	10	Vacuum	-in-WC	11/14/2011 8:25	0.1	0-1" magnehelic gauge
						11/15/2011 8:09	0.13	0-1" magnehelic gauge
						11/16/2011 8:07	0.45	0-1" magnehelic gauge
						11/17/2011 8:08	0.19	0-1" magnehelic gauge
KAFB-106113-20	Monitor	20	10	Vacuum	-in-WC	11/14/2011 8:25	0.06	0-1" magnehelic gauge
						11/15/2011 8:09	0.07	0-1" magnehelic gauge
						11/16/2011 8:07	0.2	0-1" magnehelic gauge
						11/17/2011 8:08	0.08	0-1" magnehelic gauge
KAFB-106114-450	Monitor	450	10	Vacuum	-in-WC	11/14/2011 8:31	-1.05	0-2" magnehelic gauge
						11/15/2011 8:14	-0.7	0-1" magnehelic gauge
						11/16/2011 8:12	0.95	0-1" magnehelic gauge
						11/17/2011 8:13	2.8	0-4" magnehelic gauge

Table L-11
Data Collected from ROI Test 5DTKAFB106121-450 Monitoring Wells After Extraction Ended

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument
KAFB-106114-350	Monitor	350	10	Vacuum	-in-WC	11/14/2011 8:31	-1.2	0-2" magnehelic gauge
						11/15/2011 8:14	-0.86	0-1" magnehelic gauge
						11/16/2011 8:12	0.79	0-1" magnehelic gauge
						11/17/2011 8:13	2.6	0-4" magnehelic gauge
KAFB-106114-250	Monitor	250	10	Vacuum	-in-WC	11/14/2011 8:31	-0.87	0-1" magnehelic gauge
						11/15/2011 8:14	-0.58	0-1" magnehelic gauge
						11/16/2011 8:12	0.94	0-1" magnehelic gauge
						11/17/2011 8:13	2.3	0-4" magnehelic gauge
KAFB-106114-150	Monitor	150	10	Vacuum	-in-WC	11/14/2011 8:31	-0.79	0-1" magnehelic gauge
						11/15/2011 8:14	-0.51	0-1" magnehelic gauge
						11/16/2011 8:12	0.95	0-1" magnehelic gauge
						11/17/2011 8:13	2.2	0-4" magnehelic gauge
KAFB-106114-50	Monitor	50	10	Vacuum	-in-WC	11/14/2011 8:31	0.07	0-1" magnehelic gauge
						11/15/2011 8:14	0.12	0-1" magnehelic gauge
						11/16/2011 8:12	0.44	0-1" magnehelic gauge
						11/17/2011 8:13	0.22	0-1" magnehelic gauge
KAFB-106114-25	Monitor	25	10	Vacuum	-in-WC	11/14/2011 8:31	0.05	0-1" magnehelic gauge
						11/15/2011 8:14	0.1	0-1" magnehelic gauge
						11/16/2011 8:12	0.38	0-1" magnehelic gauge
						11/17/2011 8:13	0.18	0-1" magnehelic gauge
KAFB-106131-450	Monitor	450	10	Vacuum	-in-WC	11/14/2011 8:37	-1.2	0-2" magnehelic gauge
						11/15/2011 8:19	-0.81	0-1" magnehelic gauge
						11/16/2011 8:17	0.9	0-1" magnehelic gauge
						11/17/2011 8:21	2.7	0-4" magnehelic gauge

Table L-11
Data Collected from ROI Test 5DTKAFB106121-450 Monitoring Wells After Extraction Ended

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Screen Length (ft)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument
KAFB-106131-350	Monitor	350	10	Vacuum	-in-WC	11/14/2011 8:37	-1.25	0-2" magnehelic gauge
						11/15/2011 8:19	-0.86	0-1" magnehelic gauge
						11/16/2011 8:17	0.85	0-1" magnehelic gauge
						11/17/2011 8:21	2.65	0-4" magnehelic gauge
KAFB-106131-245	Monitor	245	10	Vacuum	-in-WC	11/14/2011 8:37	-0.9	0-1" magnehelic gauge
						11/15/2011 8:19	-0.56	0-1" magnehelic gauge
						11/16/2011 8:17	1	0-2" magnehelic gauge
						11/17/2011 8:21	2.4	0-4" magnehelic gauge
KAFB-106131-150	Monitor	150	10	Vacuum	-in-WC	11/14/2011 8:37	-0.84	0-1" magnehelic gauge
						11/15/2011 8:19	-0.51	0-1" magnehelic gauge
						11/16/2011 8:17	1.2	0-2" magnehelic gauge
						11/17/2011 8:21	2.3	0-4" magnehelic gauge
KAFB-106131-55	Monitor	55	10	Vacuum	-in-WC	11/14/2011 8:37	0.1	0-1" magnehelic gauge
						11/15/2011 8:19	0.17	0-1" magnehelic gauge
						11/16/2011 8:17	0.49	0-1" magnehelic gauge
						11/17/2011 8:21	0.18	0-1" magnehelic gauge
KAFB-106131-25	Monitor	25	10	Vacuum	-in-WC	11/14/2011 8:37	0.09	0-1" magnehelic gauge
						11/15/2011 8:19	0.13	0-1" magnehelic gauge
						11/16/2011 8:17	0.39	0-1" magnehelic gauge
						11/17/2011 8:21	0.14	0-1" magnehelic gauge

ID	Identification
ft	foot (feet)
BGS	below ground surface
-in-WC	Vacuum pressure, negative inches of Water Column
"	inches

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Table L-12
Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106156	Monitor	484	Vacuum	in-WC	4/30/2012 7:35	0.73	digital manometer	none
KAFB-106156	Monitor	341	Vacuum	in-WC	4/30/2012 7:35	0.77	digital manometer	none
KAFB-106156	Monitor	178	Vacuum	in-WC	4/30/2012 7:35	0.64	digital manometer	none
KAFB-106151	Monitor	484	Vacuum	in-WC	4/30/2012 7:46	0.74	digital manometer	none
KAFB-106151	Monitor	350	Vacuum	in-WC	4/30/2012 7:46	0.76	digital manometer	none
KAFB-106151	Monitor	200	Vacuum	in-WC	4/30/2012 7:46	0.66	digital manometer	none
KAFB-106152	Monitor	484	Vacuum	in-WC	4/30/2012 7:55	0.74	digital manometer	none
KAFB-106152	Monitor	350	Vacuum	in-WC	4/30/2012 7:55	0.76	digital manometer	none
KAFB-106152	Monitor	194	Vacuum	in-WC	4/30/2012 7:55	0.65	digital manometer	none
KAFB-106148	Monitor	484	Vacuum	in-WC	4/30/2012 8:10	0.79	digital manometer	none
KAFB-106148	Monitor	349	Vacuum	in-WC	4/30/2012 8:10	0.95	digital manometer	none
KAFB-106148	Monitor	194	Vacuum	in-WC	4/30/2012 8:10	0.84	digital manometer	none
KAFB-106154	Monitor	484	Vacuum	in-WC	4/30/2012 8:15	0.8	digital manometer	none
KAFB-106154	Monitor	350	Vacuum	in-WC	4/30/2012 8:15	0.8	digital manometer	none
KAFB-106154	Monitor	197	Vacuum	in-WC	4/30/2012 8:15	0.66	digital manometer	none
KAFB-106153	Monitor	484	Vacuum	in-WC	4/30/2012 8:20	0.73	digital manometer	none
KAFB-106153	Monitor	350	Vacuum	in-WC	4/30/2012 8:20	0.77	digital manometer	none
KAFB-106153	Monitor	200	Vacuum	in-WC	4/30/2012 8:20	0.65	digital manometer	none
KAFB-106155	Monitor	484	Vacuum	in-WC	4/30/2012 8:25	0.75	digital manometer	none
KAFB-106155	Monitor	350	Vacuum	in-WC	4/30/2012 8:25	0.8	digital manometer	none
KAFB-106155	Monitor	200	Vacuum	in-WC	4/30/2012 8:25	0.72	digital manometer	none
KAFB-106121	Monitor	450	Vacuum	in-WC	4/30/2012 8:35	0.77	digital manometer	none
KAFB-106121	Monitor	350	Vacuum	in-WC	4/30/2012 8:35	0.79	digital manometer	none
KAFB-106121	Monitor	250	Vacuum	in-WC	4/30/2012 8:35	0.89	digital manometer	none
KAFB-106121	Monitor	145	Vacuum	in-WC	4/30/2012 8:35	0.86	digital manometer	none
KAFB-106121	Monitor	50	Vacuum	in-WC	4/30/2012 8:35	0.23	digital manometer	none
KAFB-106121	Monitor	25	Vacuum	in-WC	4/30/2012 8:35	0.17	digital manometer	none
KAFB-106150	Monitor	484	Vacuum	in-WC	4/30/2012 8:40	0.81	digital manometer	none
KAFB-106150	Monitor	350	Vacuum	in-WC	4/30/2012 8:40	0.88	digital manometer	none
KAFB-106150	Monitor	200	Vacuum	in-WC	4/30/2012 8:40	0.66	digital manometer	none
KAFB-106161	Extraction	530	Vacuum	in-WC	4/30/2012 8:50	0.76	digital manometer	none
KAFB-106149	Monitor	349	Vacuum	in-WC	4/30/2012 8:51	0.82	digital manometer	none
KAFB-106149	Monitor	194	Vacuum	in-WC	4/30/2012 8:51	0.68	digital manometer	none
KAFB-106149	Extraction	484	Vacuum	in-WC	4/30/2012 8:53	0.77	digital manometer	none
KAFB-106160	Extraction	530	Vacuum	in-WC	4/30/2012 8:59	0.7	digital manometer	none
KAFB-106156	Monitor	484	Vacuum	in-WC	4/30/2012 11:05	0.88	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106156	Monitor	341	Vacuum	in-WC	4/30/2012 11:05	0.87	digital manometer	335E1 & E2, 345E2, 249 E1 & E2

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106156	Monitor	178	Vacuum	in-WC	4/30/2012 11:05	0.59	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106151	Monitor	484	Vacuum	in-WC	4/30/2012 11:22	0.78	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106151	Monitor	350	Vacuum	in-WC	4/30/2012 11:22	0.75	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106151	Monitor	200	Vacuum	in-WC	4/30/2012 11:22	0.55	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106152	Monitor	484	Vacuum	in-WC	4/30/2012 11:31	0.74	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106152	Monitor	350	Vacuum	in-WC	4/30/2012 11:31	0.69	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106152	Monitor	194	Vacuum	in-WC	4/30/2012 11:31	0.43	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106148	Monitor	484	Vacuum	in-WC	4/30/2012 11:40	0.83	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106148	Monitor	349	Vacuum	in-WC	4/30/2012 11:40	0.85	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106148	Monitor	194	Vacuum	in-WC	4/30/2012 11:40	0.68	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106154	Monitor	484	Vacuum	in-WC	4/30/2012 11:45	0.84	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106154	Monitor	350	Vacuum	in-WC	4/30/2012 11:45	0.64	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106154	Monitor	197	Vacuum	in-WC	4/30/2012 11:45	0.38	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106153	Monitor	484	Vacuum	in-WC	4/30/2012 11:55	0.59	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106153	Monitor	350	Vacuum	in-WC	4/30/2012 11:55	0.57	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106153	Monitor	200	Vacuum	in-WC	4/30/2012 11:55	0.38	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106155	Monitor	484	Vacuum	in-WC	4/30/2012 12:00	0.56	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106155	Monitor	350	Vacuum	in-WC	4/30/2012 12:00	0.55	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106155	Monitor	200	Vacuum	in-WC	4/30/2012 12:00	0.39	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106121	Monitor	450	Vacuum	in-WC	4/30/2012 12:10	0.54	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106121	Monitor	350	Vacuum	in-WC	4/30/2012 12:10	0.55	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106121	Monitor	250	Vacuum	in-WC	4/30/2012 12:10	0.6	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106121	Monitor	145	Vacuum	in-WC	4/30/2012 12:10	0.5	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106121	Monitor	50	Vacuum	in-WC	4/30/2012 12:10	-0.11	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106121	Monitor	25	Vacuum	in-WC	4/30/2012 12:10	-0.1	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106150	Monitor	484	Vacuum	in-WC	4/30/2012 12:17	0.88	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106150	Monitor	350	Vacuum	in-WC	4/30/2012 12:17	0.61	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106150	Monitor	200	Vacuum	in-WC	4/30/2012 12:17	0.27	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106160	Extraction	530	Flow Rate	CFM	4/30/2012 12:23	124	hot-wire anemometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106160	Extraction	530	Hydrocarbons	PPM	4/30/2012 12:23	15400	engine 2 readout	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106160	Extraction	530	Temperature	Celcius	4/30/2012 12:23	21.5	hot-wire anemometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106160	Extraction	530	Vacuum	in-WC	4/30/2012 12:23	2.65	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106160	Extraction	530	Velocity	ft/min	4/30/2012 12:23	1421	hot-wire anemometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106149	Monitor	349	Vacuum	in-WC	4/30/2012 12:30	0.57	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106149	Monitor	194	Vacuum	in-WC	4/30/2012 12:30	0.31	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106149	Extraction	484	Flow Rate	CFM	4/30/2012 12:32	394	hot-wire anemometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106149	Extraction	484	Hydrocarbons	PPM	4/30/2012 12:32	13900	engine 1 readout	335E1 & E2, 345E2, 249 E1 & E2

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106149	Extraction	484	Hydrocarbons	PPM	4/30/2012 12:32	14200	engine 2 readout	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106149	Extraction	484	Temperature	Celcius	4/30/2012 12:32	34.4	hot-wire anemometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106149	Extraction	484	Vacuum	in-WC	4/30/2012 12:32	18.92	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106149	Extraction	484	Velocity	ft/min	4/30/2012 12:32	4519	hot-wire anemometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106161	Extraction	530	Vacuum	in-WC	4/30/2012 12:38	0.68	digital manometer	335E1 & E2, 345E2, 249 E1 & E2
KAFB-106156	Monitor	484	Vacuum	in-WC	5/1/2012 7:35	0.17	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106156	Monitor	341	Vacuum	in-WC	5/1/2012 7:35	0.11	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106156	Monitor	178	Vacuum	in-WC	5/1/2012 7:35	0.13	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106151	Monitor	484	Vacuum	in-WC	5/1/2012 7:45	0.15	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106151	Monitor	350	Vacuum	in-WC	5/1/2012 7:45	0.11	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106151	Monitor	200	Vacuum	in-WC	5/1/2012 7:45	0.13	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106152	Monitor	484	Vacuum	in-WC	5/1/2012 7:53	0.17	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106152	Monitor	350	Vacuum	in-WC	5/1/2012 7:53	0.05	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106152	Monitor	194	Vacuum	in-WC	5/1/2012 7:53	0.09	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106148	Monitor	484	Vacuum	in-WC	5/1/2012 8:00	0.52	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106148	Monitor	349	Vacuum	in-WC	5/1/2012 8:00	0.38	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106148	Monitor	194	Vacuum	in-WC	5/1/2012 8:00	0.3	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106154	Monitor	484	Vacuum	in-WC	5/1/2012 8:12	0.5	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106154	Monitor	350	Vacuum	in-WC	5/1/2012 8:12	0.16	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106154	Monitor	197	Vacuum	in-WC	5/1/2012 8:12	0.11	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106153	Monitor	484	Vacuum	in-WC	5/1/2012 8:20	0.08	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106153	Monitor	350	Vacuum	in-WC	5/1/2012 8:20	0	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106153	Monitor	200	Vacuum	in-WC	5/1/2012 8:20	0.02	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106155	Monitor	484	Vacuum	in-WC	5/1/2012 8:26	0.16	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106155	Monitor	350	Vacuum	in-WC	5/1/2012 8:26	0.03	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106155	Monitor	200	Vacuum	in-WC	5/1/2012 8:26	0.01	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106150	Monitor	484	Vacuum	in-WC	5/1/2012 8:33	0.6	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106150	Monitor	350	Vacuum	in-WC	5/1/2012 8:33	0.29	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106150	Monitor	200	Vacuum	in-WC	5/1/2012 8:33	0.15	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Flow Rate	CFM	5/1/2012 8:40	61	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Hours	hours	5/1/2012 8:40	12262	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/1/2012 8:40	15900	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Temperature	Celcius	5/1/2012 8:40	20.6	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Vacuum	in-WC	5/1/2012 8:40	2.25	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Velocity	ft/min	5/1/2012 8:40	700	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Flow Rate	CFM	5/1/2012 8:47	166	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Hours	hours	5/1/2012 8:47	20780	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1 & E2

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106149	Extraction	484	Hours	hours	5/1/2012 8:47	17881	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/1/2012 8:47	14200	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/1/2012 8:47	15000	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Temperature	Celcius	5/1/2012 8:47	22.9	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Vacuum	in-WC	5/1/2012 8:47	17.79	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Velocity	ft/min	5/1/2012 8:47	1900	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Monitor	349	Vacuum	in-WC	5/1/2012 8:50	0.33	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Monitor	194	Vacuum	in-WC	5/1/2012 8:50	0.18	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Flow Rate	CFM	5/1/2012 8:56	86	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Hours	hours	5/1/2012 8:56	15931	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Hydrocarbons	PPM	5/1/2012 8:56	15800	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Temperature	Celcius	5/1/2012 8:56	22.4	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Vacuum	in-WC	5/1/2012 8:56	2.11	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Velocity	ft/min	5/1/2012 8:56	990	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	450	Vacuum	in-WC	5/1/2012 9:03	0.04	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	350	Vacuum	in-WC	5/1/2012 9:03	0	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	250	Vacuum	in-WC	5/1/2012 9:03	-0.06	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	145	Vacuum	in-WC	5/1/2012 9:03	0	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	50	Vacuum	in-WC	5/1/2012 9:03	0.07	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	25	Vacuum	in-WC	5/1/2012 9:03	0.06	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106156	Monitor	484	Vacuum	in-WC	5/2/2012 7:28	0.39	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106156	Monitor	341	Vacuum	in-WC	5/2/2012 7:28	0.36	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106156	Monitor	178	Vacuum	in-WC	5/2/2012 7:28	0.32	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106151	Monitor	484	Vacuum	in-WC	5/2/2012 7:37	0.39	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106151	Monitor	350	Vacuum	in-WC	5/2/2012 7:37	0.36	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106151	Monitor	200	Vacuum	in-WC	5/2/2012 7:37	0.33	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106152	Monitor	484	Vacuum	in-WC	5/2/2012 7:45	0.4	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106152	Monitor	350	Vacuum	in-WC	5/2/2012 7:45	0.29	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106152	Monitor	194	Vacuum	in-WC	5/2/2012 7:45	0.3	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106148	Monitor	484	Vacuum	in-WC	5/2/2012 7:55	0.77	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106148	Monitor	349	Vacuum	in-WC	5/2/2012 7:55	0.63	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106148	Monitor	194	Vacuum	in-WC	5/2/2012 7:55	0.52	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106154	Monitor	484	Vacuum	in-WC	5/2/2012 8:02	0.77	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106154	Monitor	350	Vacuum	in-WC	5/2/2012 8:02	0.43	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106154	Monitor	197	Vacuum	in-WC	5/2/2012 8:02	0.33	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106153	Monitor	484	Vacuum	in-WC	5/2/2012 8:07	0.38	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106153	Monitor	350	Vacuum	in-WC	5/2/2012 8:07	0.28	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106153	Monitor	200	Vacuum	in-WC	5/2/2012 8:07	0.29	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106155	Monitor	484	Vacuum	in-WC	5/2/2012 8:14	0.44	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106155	Monitor	350	Vacuum	in-WC	5/2/2012 8:14	0.32	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106155	Monitor	200	Vacuum	in-WC	5/2/2012 8:14	0.29	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106150	Monitor	484	Vacuum	in-WC	5/2/2012 8:21	0.89	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106150	Monitor	350	Vacuum	in-WC	5/2/2012 8:21	0.59	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106150	Monitor	200	Vacuum	in-WC	5/2/2012 8:21	0.39	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Flow Rate	CFM	5/2/2012 8:30	60	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Hours	hours	5/2/2012 8:30	12285	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/2/2012 8:30	15500	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Temperature	Celcius	5/2/2012 8:30	20.3	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Vacuum	in-WC	5/2/2012 8:30	2.66	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Velocity	ft/min	5/2/2012 8:30	690	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Flow Rate	CFM	5/2/2012 8:35	178	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Hours	hours	5/2/2012 8:35	17905	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Hours	hours	5/2/2012 8:35	20804	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/2/2012 8:35	14200	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/2/2012 8:35	15000	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Temperature	Celcius	5/2/2012 8:35	22.8	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Vacuum	in-WC	5/2/2012 8:35	18.8	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Velocity	ft/min	5/2/2012 8:35	2040	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Monitor	349	Vacuum	in-WC	5/2/2012 8:35	0.65	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Monitor	194	Vacuum	in-WC	5/2/2012 8:35	0.46	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Flow Rate	CFM	5/2/2012 8:40	87	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Hours	hours	5/2/2012 8:40	15955	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Hydrocarbons	PPM	5/2/2012 8:40	16100	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Temperature	Celcius	5/2/2012 8:40	22.9	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Vacuum	in-WC	5/2/2012 8:40	2.36	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Velocity	ft/min	5/2/2012 8:40	1000	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	450	Vacuum	in-WC	5/2/2012 8:49	0.32	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	350	Vacuum	in-WC	5/2/2012 8:49	0.3	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	250	Vacuum	in-WC	5/2/2012 8:49	0.27	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	145	Vacuum	in-WC	5/2/2012 8:49	0.32	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	50	Vacuum	in-WC	5/2/2012 8:49	0.15	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	25	Vacuum	in-WC	5/2/2012 8:49	0.11	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106156	Monitor	484	Vacuum	in-WC	5/3/2012 7:39	1.47	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106156	Monitor	341	Vacuum	in-WC	5/3/2012 7:39	1.37	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106156	Monitor	178	Vacuum	in-WC	5/3/2012 7:39	0.95	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106151	Monitor	484	Vacuum	in-WC	5/3/2012 7:50	1.5	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106151	Monitor	350	Vacuum	in-WC	5/3/2012 7:50	1.42	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106151	Monitor	200	Vacuum	in-WC	5/3/2012 7:50	1.07	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106152	Monitor	484	Vacuum	in-WC	5/3/2012 7:57	1.59	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106152	Monitor	350	Vacuum	in-WC	5/3/2012 7:57	1.34	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106152	Monitor	194	Vacuum	in-WC	5/3/2012 7:57	1	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106148	Monitor	484	Vacuum	in-WC	5/3/2012 8:05	1.77	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106148	Monitor	349	Vacuum	in-WC	5/3/2012 8:05	1.62	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106148	Monitor	194	Vacuum	in-WC	5/3/2012 8:05	1.38	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106154	Monitor	484	Vacuum	in-WC	5/3/2012 8:12	1.96	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106154	Monitor	350	Vacuum	in-WC	5/3/2012 8:12	1.53	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106154	Monitor	197	Vacuum	in-WC	5/3/2012 8:12	1.09	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106153	Monitor	484	Vacuum	in-WC	5/3/2012 8:21	1.57	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106153	Monitor	350	Vacuum	in-WC	5/3/2012 8:21	1.41	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106153	Monitor	200	Vacuum	in-WC	5/3/2012 8:21	1.08	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106155	Monitor	484	Vacuum	in-WC	5/3/2012 8:27	1.62	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106155	Monitor	350	Vacuum	in-WC	5/3/2012 8:27	1.45	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106155	Monitor	200	Vacuum	in-WC	5/3/2012 8:27	1.16	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106150	Monitor	484	Vacuum	in-WC	5/3/2012 8:34	2.02	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106150	Monitor	350	Vacuum	in-WC	5/3/2012 8:34	1.6	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106150	Monitor	200	Vacuum	in-WC	5/3/2012 8:34	0.97	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Flow Rate	CFM	5/3/2012 8:40	64	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Hours	hours	5/3/2012 8:40	12310	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/3/2012 8:40	15400	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Temperature	Celcius	5/3/2012 8:40	21.7	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Vacuum	in-WC	5/3/2012 8:40	3.79	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106160	Extraction	530	Velocity	ft/min	5/3/2012 8:40	735	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Flow Rate	CFM	5/3/2012 8:45	183	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Hours	hours	5/3/2012 8:45	17929	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Hours	hours	5/3/2012 8:45	20828	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/3/2012 8:45	13400	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/3/2012 8:45	15100	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Temperature	Celcius	5/3/2012 8:45	24.4	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Vacuum	in-WC	5/3/2012 8:45	24	0-30" magnehelic	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Extraction	484	Velocity	ft/min	5/3/2012 8:45	2100	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106149	Monitor	349	Vacuum	in-WC	5/3/2012 8:47	1.61	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106149	Monitor	194	Vacuum	in-WC	5/3/2012 8:47	1.12	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Flow Rate	CFM	5/3/2012 8:51	76	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Hours	hours	5/3/2012 8:51	15979	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Hydrocarbons	PPM	5/3/2012 8:51	15300	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Temperature	Celcius	5/3/2012 8:51	22.1	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Vacuum	in-WC	5/3/2012 8:51	3.53	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106161	Extraction	530	Velocity	ft/min	5/3/2012 8:51	870	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	450	Vacuum	in-WC	5/3/2012 8:59	1.5	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	350	Vacuum	in-WC	5/3/2012 8:59	1.52	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	250	Vacuum	in-WC	5/3/2012 8:59	1.39	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	145	Vacuum	in-WC	5/3/2012 8:59	1.31	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	50	Vacuum	in-WC	5/3/2012 8:59	0.27	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106121	Monitor	25	Vacuum	in-WC	5/3/2012 8:59	0.2	digital manometer	335E1 & E2, 345E2, 344E1, 249E1 & E2
KAFB-106156	Monitor	484	Vacuum	in-WC	5/7/2012 7:40	0.98	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	5/7/2012 7:40	0.83	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	5/7/2012 7:40	0.51	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	5/7/2012 7:46	0.94	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	5/7/2012 7:46	0.8	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	5/7/2012 7:46	0.53	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	484	Vacuum	in-WC	5/7/2012 7:51	1.1	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	5/7/2012 7:51	0.85	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	194	Vacuum	in-WC	5/7/2012 7:51	0.53	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	5/7/2012 7:56	1.1	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	5/7/2012 7:56	0.84	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	5/7/2012 7:56	0.75	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	5/7/2012 8:01	1.39	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	5/7/2012 8:01	0.89	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	5/7/2012 8:01	0.59	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	484	Vacuum	in-WC	5/7/2012 8:06	1.02	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	350	Vacuum	in-WC	5/7/2012 8:06	0.8	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	5/7/2012 8:06	0.55	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	5/7/2012 8:10	1.03	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	5/7/2012 8:10	0.84	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	5/7/2012 8:10	0.59	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	484	Vacuum	in-WC	5/7/2012 8:15	1.43	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	5/7/2012 8:15	0.93	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	5/7/2012 8:15	0.51	digital manometer	335E1 & E2, 345E2, 344E1, 249E1

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Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106160	Extraction	530	Flow Rate	CFM	5/7/2012 8:19	60	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hours	hours	5/7/2012 8:19	12405	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/7/2012 8:19	13600	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Temperature	Celcius	5/7/2012 8:19	19.6	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Vacuum	in-WC	5/7/2012 8:19	3.4	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	5/7/2012 8:19	685	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	5/7/2012 8:26	137	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/7/2012 8:26	18025	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/7/2012 8:26	20924	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/7/2012 8:26	13500	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/7/2012 8:26	14000	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Temperature	Celcius	5/7/2012 8:26	20.1	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Vacuum	in-WC	5/7/2012 8:26	21	0-30" magnehelic	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	5/7/2012 8:26	1570	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	349	Vacuum	in-WC	5/7/2012 8:26	0.97	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	5/7/2012 8:26	0.56	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Flow Rate	CFM	5/7/2012 8:28	64	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hours	hours	5/7/2012 8:28	16075	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	5/7/2012 8:28	14800	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Temperature	Celcius	5/7/2012 8:28	19.3	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	5/7/2012 8:28	3.06	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Velocity	ft/min	5/7/2012 8:28	735	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	5/7/2012 8:34	0.95	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	5/7/2012 8:34	0.95	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	5/7/2012 8:34	0.67	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	145	Vacuum	in-WC	5/7/2012 8:34	0.64	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	5/7/2012 8:34	0.13	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	5/7/2012 8:34	0.07	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Vacuum	in-WC	5/8/2012 10:20	10.41	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Temperature	Celcius	5/8/2012 10:20	20.8	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Velocity	ft/min	5/8/2012 10:20	1460	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Flow Rate	CFM	5/8/2012 10:20	127	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Hydrocarbons	PPM	5/8/2012 10:20	10300	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Hours	hours	5/8/2012 10:20	55738	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Vacuum	in-WC	5/8/2012 10:20	11.38	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Velocity	ft/min	5/8/2012 10:20	1060	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Flow Rate	CFM	5/8/2012 10:20	92	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
SVEW 05	Extraction	460	Temperature	Celcius	5/8/2012 10:20	15.6	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	484	Vacuum	in-WC	5/9/2012 7:32	2.58	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	5/9/2012 7:32	2.28	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	5/9/2012 7:32	1.38	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	5/9/2012 7:41	2.59	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	5/9/2012 7:41	2.29	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	5/9/2012 7:41	1.5	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	484	Vacuum	in-WC	5/9/2012 7:47	2.63	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	5/9/2012 7:47	2.27	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	194	Vacuum	in-WC	5/9/2012 7:47	1.42	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	5/9/2012 7:55	2.78	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	5/9/2012 7:55	2.33	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	5/9/2012 7:55	1.87	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	5/9/2012 8:02	3	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	5/9/2012 8:02	2.3	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	5/9/2012 8:02	1.45	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	484	Vacuum	in-WC	5/9/2012 8:07	2.68	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	350	Vacuum	in-WC	5/9/2012 8:07	2.3	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	5/9/2012 8:07	1.55	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	5/9/2012 8:14	2.78	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	5/9/2012 8:14	2.41	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	5/9/2012 8:14	1.7	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	484	Vacuum	in-WC	5/9/2012 8:20	3.14	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	5/9/2012 8:20	2.45	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	5/9/2012 8:20	1.33	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Vacuum	in-WC	5/9/2012 8:27	5.15	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Temperature	Celcius	5/9/2012 8:27	18.3	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	5/9/2012 8:27	630	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	5/9/2012 8:27	55	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/9/2012 8:27	14100	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hours	hours	5/9/2012 8:27	12435	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	349	Vacuum	in-WC	5/9/2012 8:33	2.43	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	5/9/2012 8:33	1.58	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Vacuum	in-WC	5/9/2012 8:36	21	0-30" magnehelic	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Temperature	Celcius	5/9/2012 8:36	19.5	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	5/9/2012 8:36	1750	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	5/9/2012 8:36	153	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/9/2012 8:36	12200	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/9/2012 8:36	14000	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/9/2012 8:36	18073	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/9/2012 8:36	20950	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	5/9/2012 8:41	4.99	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Temperature	Celcius	5/9/2012 8:41	19.6	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Velocity	ft/min	5/9/2012 8:41	830	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Flow Rate	ft/min	5/9/2012 8:41	72	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	5/9/2012 8:41	14600	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hours	hours	5/9/2012 8:41	16111	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	5/9/2012 8:48	2.69	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	5/9/2012 8:48	2.68	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	5/9/2012 8:48	2.24	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	145	Vacuum	in-WC	5/9/2012 8:48	1.97	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	5/9/2012 8:48	0.23	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	5/9/2012 8:48	0.15	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	484	Vacuum	in-WC	5/10/2012 15:28	-1.66	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	5/10/2012 15:28	-1.81	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	5/10/2012 15:28	-1.38	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	5/10/2012 15:35	-1.68	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	5/10/2012 15:35	-1.79	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	5/10/2012 15:35	-1.48	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	484	Vacuum	in-WC	5/10/2012 15:40	-1.65	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	5/10/2012 15:40	-1.82	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	194	Vacuum	in-WC	5/10/2012 15:40	-1.5	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	5/10/2012 15:47	-1.37	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	5/10/2012 15:47	-1.62	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	5/10/2012 15:47	-1.53	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	5/10/2012 15:52	-1.39	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	5/10/2012 15:52	-1.78	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	5/10/2012 15:52	-1.44	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	484	Vacuum	in-WC	5/10/2012 15:58	-1.73	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	350	Vacuum	in-WC	5/10/2012 15:58	-1.91	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	5/10/2012 15:58	-1.61	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	5/10/2012 16:04	-1.7	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	5/10/2012 16:04	-1.9	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	5/10/2012 16:04	-1.74	digital manometer	335E1 & E2, 345E2, 344E1, 249E1

Table L-12
Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106150	Monitor	484	Vacuum	in-WC	5/10/2012 16:09	-1.39	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	5/10/2012 16:09	-1.74	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	5/10/2012 16:09	-1.36	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Vacuum	in-WC	5/10/2012 16:14	0.53	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Temperature	Celcius	5/10/2012 16:14	27.4	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	5/10/2012 16:14	1560	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	5/10/2012 16:14	136	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/10/2012 16:14	14400	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hours	hours	5/10/2012 16:14	12467	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Vacuum	in-WC	5/10/2012 16:17	16.62	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Temperature	Celcius	5/10/2012 16:17	29.4	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	5/10/2012 16:17	3070	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	5/10/2012 16:17	268	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/10/2012 16:17	12800	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/10/2012 16:17	15000	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/10/2012 16:17	18104	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/10/2012 16:17	20981	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	349	Vacuum	in-WC	5/10/2012 16:20	-1.74	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	5/10/2012 16:20	-1.49	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	5/10/2012 16:25	0.2	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Temperature	Celcius	5/10/2012 16:25	22.5	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Velocity	ft/min	5/10/2012 16:25	1160	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Flow Rate	CFM	5/10/2012 16:25	101	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	5/10/2012 16:25	15800	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hours	hours	5/10/2012 16:25	16142	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	5/10/2012 16:32	-1.95	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	5/10/2012 16:32	-2.01	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	5/10/2012 16:32	-2.25	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	145	Vacuum	in-WC	5/10/2012 16:32	-2.09	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	5/10/2012 16:32	-0.39	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	5/10/2012 16:32	-0.28	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	484	Vacuum	in-WC	5/14/2012 7:51	3.07	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	5/14/2012 7:51	2.71	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	5/14/2012 7:51	1.65	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	5/14/2012 7:59	3.15	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	5/14/2012 7:59	2.78	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	5/14/2012 7:59	1.79	digital manometer	335E1 & E2, 345E2, 344E1, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106149	Monitor	349	Vacuum	in-WC	5/14/2012 8:05	2.72	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	5/14/2012 8:05	1.63	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Vacuum	in-WC	5/14/2012 8:10	24	0-30" magnehelic	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Temperature	Celcius	5/14/2012 8:10	19.1	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	5/14/2012 8:10	1830	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	5/14/2012 8:10	160	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/14/2012 8:10	10700	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/14/2012 8:10	13600	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/14/2012 8:10	18192	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/14/2012 8:10	21069	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	5/14/2012 8:14	3.25	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	5/14/2012 8:14	2.69	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	5/14/2012 8:14	2.14	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Vacuum	in-WC	5/14/2012 8:20	14.12	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Temperature	Celcius	5/14/2012 8:20	20.5	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Velocity	ft/min	5/14/2012 8:20	4670	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Flow Rate	CFM	5/14/2012 8:20	102	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Hydrocarbons	PPM	5/14/2012 8:20	14800	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Hours	hours	5/14/2012 8:20	55880	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Vacuum	in-WC	5/14/2012 8:20	13.7	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Temperature	Celcius	5/14/2012 8:20	20.9	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Velocity	ft/min	5/14/2012 8:20	790	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Flow Rate	CFM	5/14/2012 8:20	17	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	5/14/2012 8:28	3.51	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	5/14/2012 8:28	2.72	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	5/14/2012 8:28	1.65	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	484	Vacuum	in-WC	5/14/2012 8:35	3.2	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	350	Vacuum	in-WC	5/14/2012 8:35	2.71	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	5/14/2012 8:35	1.77	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	5/14/2012 8:41	3.25	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	5/14/2012 8:41	2.79	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	5/14/2012 8:41	1.92	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	484	Vacuum	in-WC	5/14/2012 8:48	3.58	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	5/14/2012 8:48	2.75	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	5/14/2012 8:48	1.42	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Vacuum	in-WC	5/14/2012 8:52	5.89	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Temperature	Celcius	5/14/2012 8:52	18.4	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106160	Extraction	530	Velocity	ft/min	5/14/2012 8:52	680	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	5/14/2012 8:52	59	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/14/2012 8:52	12200	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hours	hours	5/14/2012 8:52	12556	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	5/14/2012 8:56	5.53	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Temperature	Celcius	5/14/2012 8:56	19.1	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Velocity	ft/min	5/14/2012 8:56	1020	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Flow Rate	CFM	5/14/2012 8:56	89	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	5/14/2012 8:56	13800	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hours	hours	5/14/2012 8:56	16231	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	5/14/2012 9:03	3.08	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	5/14/2012 9:03	3.04	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	5/14/2012 9:03	2.45	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	145	Vacuum	in-WC	5/14/2012 9:03	2.14	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	5/14/2012 9:03	0.15	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	5/14/2012 9:03	0.12	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	484	Vacuum	in-WC	5/14/2012 9:14	3.15	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	5/14/2012 9:14	2.66	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	194	Vacuum	in-WC	5/14/2012 9:14	1.55	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Vacuum	in-WC	5/16/2012 8:50	23	0-30" magnehelic	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Temperature	Celcius	5/16/2012 8:50	24.3	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	5/16/2012 8:50	2820	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	5/16/2012 8:50	246	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/16/2012 8:50	11100	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/16/2012 8:50	13400	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/16/2012 8:50	18241	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/16/2012 8:50	21118	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Vacuum	in-WC	5/16/2012 8:44	5.32	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Temperature	Celcius	5/16/2012 8:44	22.7	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	5/16/2012 8:44	1120	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	5/16/2012 8:44	98	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/16/2012 8:44	11400	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hours	hours	5/16/2012 8:44	12604	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	5/16/2012 8:55	4.83	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Temperature	Celcius	5/16/2012 8:55	23.1	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Velocity	ft/min	5/16/2012 8:55	1300	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Flow Rate	CFM	5/16/2012 8:55	113	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106161	Extraction	530	Hydrocarbons	PPM	5/16/2012 8:55	13700	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hours	hours	5/16/2012 8:55	16279	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	5/16/2012 9:02	2.35	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	5/16/2012 9:02	2.32	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	5/16/2012 9:02	1.78	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	145	Vacuum	in-WC	5/16/2012 9:02	1.54	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	5/16/2012 9:02	0.14	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	5/16/2012 9:02	0.11	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	5/16/2012 8:07	2.4	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	5/16/2012 8:07	1.91	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	5/16/2012 8:07	1.49	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	349	Vacuum	in-WC	5/16/2012 8:48	2	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	5/16/2012 8:48	1.15	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	484	Vacuum	in-WC	5/16/2012 8:37	2.81	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	5/16/2012 8:37	2.04	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	5/16/2012 8:37	1.04	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	5/16/2012 7:49	2.27	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	5/16/2012 7:49	1.96	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	5/16/2012 7:49	1.22	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	484	Vacuum	in-WC	5/16/2012 7:56	2.4	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	5/16/2012 7:56	1.96	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	194	Vacuum	in-WC	5/16/2012 7:56	1.16	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	484	Vacuum	in-WC	5/16/2012 8:23	2.41	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	350	Vacuum	in-WC	5/16/2012 8:23	1.97	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	5/16/2012 8:23	1.28	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	5/16/2012 8:16	2.72	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	5/16/2012 8:16	1.98	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	5/16/2012 8:16	1.18	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	5/16/2012 8:30	2.49	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	5/16/2012 8:30	2.06	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	5/16/2012 8:30	1.37	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	484	Vacuum	in-WC	5/16/2012 7:29	2.2	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	5/16/2012 7:29	1.85	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	5/16/2012 7:29	1.11	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Vacuum	in-WC	5/17/2012 16:23	18.95	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Temperature	Celcius	5/17/2012 16:23	33	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	5/17/2012 16:23	4330	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106149	Extraction	484	Flow Rate	CFM	5/17/2012 16:23	378	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/17/2012 16:23	21149	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/17/2012 16:23	14000	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/17/2012 16:23	18272	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/17/2012 16:23	11400	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Vacuum	in-WC	5/17/2012 16:15	1.26	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Temperature	Celcius	5/17/2012 16:15	29.1	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	5/17/2012 16:15	2150	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	5/17/2012 16:15	187	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/17/2012 16:15	9400	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hours	hours	5/17/2012 16:15	12634	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	5/17/2012 16:27	0.6	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Temperature	Celcius	5/17/2012 16:27	24.2	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Velocity	ft/min	5/17/2012 16:27	1630	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Flow Rate	CFM	5/17/2012 16:27	142	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	5/17/2012 16:27	11500	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hours	hours	5/17/2012 16:27	16310	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	5/17/2012 16:33	-1.89	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	5/17/2012 16:33	-1.93	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	5/17/2012 16:33	-2.19	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	145	Vacuum	in-WC	5/17/2012 16:33	-2.09	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	5/17/2012 16:33	-0.45	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	5/17/2012 16:33	-0.35	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	5/17/2012 15:50	-1.29	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	5/17/2012 15:50	-1.54	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	5/17/2012 15:50	-1.46	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	349	Vacuum	in-WC	5/17/2012 16:21	-1.6	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	5/17/2012 16:21	-1.36	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	484	Vacuum	in-WC	5/17/2012 16:11	-1.27	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	5/17/2012 16:11	-1.66	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	5/17/2012 16:11	-1.31	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	5/17/2012 15:38	-1.56	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	5/17/2012 15:38	-1.65	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	5/17/2012 15:38	-1.36	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	484	Vacuum	in-WC	5/17/2012 15:43	-1.51	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	5/17/2012 15:43	-1.65	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	194	Vacuum	in-WC	5/17/2012 15:43	-1.4	digital manometer	335E1 & E2, 345E2, 344E1, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106153	Monitor	484	Vacuum	in-WC	5/17/2012 16:00	-1.58	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	350	Vacuum	in-WC	5/17/2012 16:00	-1.72	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	5/17/2012 16:00	-1.46	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	5/17/2012 15:55	-1.31	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	5/17/2012 15:55	-1.66	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	5/17/2012 15:55	-1.38	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	5/17/2012 16:05	-1.56	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	5/17/2012 16:05	-1.73	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	5/17/2012 16:05	-1.58	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	484	Vacuum	in-WC	5/17/2012 15:32	-1.58	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	5/17/2012 15:32	-1.73	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	5/17/2012 15:32	-1.3	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Vacuum	in-WC	5/21/2012 8:39	25	0-30" magnehelic	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Temperature	Celcius	5/21/2012 8:39	26.6	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	5/21/2012 8:39	2810	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	5/21/2012 8:39	245	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/21/2012 8:39	10900	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/21/2012 8:39	12900	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/21/2012 8:39	18361	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/21/2012 8:39	21238	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Vacuum	in-WC	5/21/2012 8:33	6.36	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Temperature	Celcius	5/21/2012 8:33	25.6	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	5/21/2012 8:33	1570	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	5/21/2012 8:33	137	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/21/2012 8:33	8400	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hours	hours	5/21/2012 8:33	12723	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	5/21/2012 8:45	5.72	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Temperature	Celcius	5/21/2012 8:45	24.1	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Velocity	ft/min	5/21/2012 8:45	1450	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Flow Rate	CFM	5/21/2012 8:45	126	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	5/21/2012 8:45	10800	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hours	hours	5/21/2012 8:45	16398	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Vacuum	in-WC	5/21/2012 7:54	10.93	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Temperature	Celcius	5/21/2012 7:54	24.6	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Velocity	ft/min	5/21/2012 7:54	1880	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Flow Rate	CFM	5/21/2012 7:54	41	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Hydrocarbons	PPM	5/21/2012 7:54	10200	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
SVEW 01/05	Extraction	260/460	Hours	hours	5/21/2012 7:54	56047	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Vacuum	in-WC	5/21/2012 7:54	8.07	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Temperature	Celcius	5/21/2012 7:54	24.9	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Velocity	ft/min	5/21/2012 7:54	1300	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Flow Rate	CFM	5/21/2012 7:54	28	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	5/21/2012 8:52	3.02	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	5/21/2012 8:52	3.06	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	5/21/2012 8:52	2.54	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	145	Vacuum	in-WC	5/21/2012 8:52	2.24	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	5/21/2012 8:52	0.2	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	5/21/2012 8:52	0.15	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	5/21/2012 8:04	3.32	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	5/21/2012 8:04	2.73	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	5/21/2012 8:04	2.17	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	349	Vacuum	in-WC	5/21/2012 8:41	2.73	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	5/21/2012 8:41	1.63	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	484	Vacuum	in-WC	5/21/2012 8:28	3.7	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	5/21/2012 8:28	2.84	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	5/21/2012 8:28	1.45	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	5/21/2012 7:40	3.05	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	5/21/2012 7:40	2.72	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	5/21/2012 7:40	1.73	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	484	Vacuum	in-WC	5/21/2012 7:46	3.12	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	5/21/2012 7:46	2.65	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	194	Vacuum	in-WC	5/21/2012 7:46	1.61	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	484	Vacuum	in-WC	5/21/2012 8:15	3.16	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	350	Vacuum	in-WC	5/21/2012 8:15	2.71	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	5/21/2012 8:15	1.81	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	5/21/2012 8:10	3.53	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	5/21/2012 8:10	2.73	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	5/21/2012 8:10	1.67	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	5/21/2012 8:20	3.25	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	5/21/2012 8:20	2.81	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	5/21/2012 8:20	1.95	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	484	Vacuum	in-WC	5/21/2012 7:33	3.1	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	5/21/2012 7:33	2.74	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	5/21/2012 7:33	1.63	digital manometer	335E1 & E2, 345E2, 344E1, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106149	Extraction	484	Vacuum	in-WC	5/23/2012 8:27	22	0-30" magnehelic	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Temperature	Celcius	5/23/2012 8:27	26.9	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	5/23/2012 8:27	3390	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	5/23/2012 8:27	296	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/23/2012 8:27	9100	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/23/2012 8:27	10700	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/23/2012 8:27	18406	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/23/2012 8:27	21283	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Vacuum	in-WC	5/23/2012 8:21	1.75	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Temperature	Celcius	5/23/2012 8:21	24.4	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	5/23/2012 8:21	1610	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	5/23/2012 8:21	140	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/23/2012 8:21	7800	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hours	hours	5/23/2012 8:21	12770	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	5/23/2012 8:34	1.08	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Temperature	Celcius	5/23/2012 8:34	21.7	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Velocity	ft/min	5/23/2012 8:34	1410	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Flow Rate	CFM	5/23/2012 8:34	123	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	5/23/2012 8:34	9600	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hours	hours	5/23/2012 8:34	16446	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	5/23/2012 8:40	-1.72	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	5/23/2012 8:40	-1.77	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	5/23/2012 8:40	-1.9	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	145	Vacuum	in-WC	5/23/2012 8:40	-1.64	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	5/23/2012 8:40	-0.11	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	5/23/2012 8:40	-0.06	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	5/23/2012 7:54	-1.22	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	5/23/2012 7:54	-1.46	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	5/23/2012 7:54	-1.22	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	349	Vacuum	in-WC	5/23/2012 8:30	-1.32	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	5/23/2012 8:30	-1.07	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	484	Vacuum	in-WC	5/23/2012 8:16	-0.98	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	5/23/2012 8:16	-1.37	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	5/23/2012 8:16	-0.93	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	5/23/2012 7:50	-1.56	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	5/23/2012 7:50	-1.6	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	5/23/2012 7:50	-1.14	digital manometer	335E1 & E2, 345E2, 344E1, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106152	Monitor	484	Vacuum	in-WC	5/23/2012 7:47	-1.5	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	5/23/2012 7:47	-1.63	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	194	Vacuum	in-WC	5/23/2012 7:47	-1.1	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	484	Vacuum	in-WC	5/23/2012 8:05	-1.55	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	350	Vacuum	in-WC	5/23/2012 8:05	-1.66	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	5/23/2012 8:05	-1.21	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	5/23/2012 8:00	-1.11	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	5/23/2012 8:00	-1.47	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	5/23/2012 8:00	-1.03	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	5/23/2012 8:10	-1.47	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	5/23/2012 8:10	-1.6	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	5/23/2012 8:10	-1.3	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	484	Vacuum	in-WC	5/23/2012 7:33	-1.55	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	5/23/2012 7:33	-1.61	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	5/23/2012 7:33	-1.03	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Vacuum	in-WC	5/30/2012 8:25	25	0-30" magnehelic	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Temperature	Celcius	5/30/2012 8:25	25.1	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	5/30/2012 8:25	3260	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	5/30/2012 8:25	284	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/30/2012 8:25	9200	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/30/2012 8:25	11500	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/30/2012 8:25	18574	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/30/2012 8:25	21451	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Vacuum	in-WC	5/30/2012 8:19	4.75	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Temperature	Celcius	5/30/2012 8:19	23.4	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	5/30/2012 8:19	1260	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	5/30/2012 8:19	110	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/30/2012 8:19	6400	engine 2 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hours	hours	5/30/2012 8:19	12805	engine 2 hour meter	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	5/30/2012 8:29	3.67	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Temperature	Celcius	5/30/2012 8:29	22.8	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Velocity	ft/min	5/30/2012 8:29	1060	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Flow Rate	CFM	5/30/2012 8:29	92	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	5/30/2012 8:29	11800	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hours	hours	5/30/2012 8:29	16494	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Vacuum	in-WC	5/30/2012 7:48	9.82	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Temperature	Celcius	5/30/2012 7:48	25.6	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
SVEW 01	Extraction	260	Velocity	ft/min	5/30/2012 7:48	1640	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Flow Rate	CFM	5/30/2012 7:48	36	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Hydrocarbons	PPM	5/30/2012 7:48	12100	engine 1 readout	335E1 & E2, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Hours	hours	5/30/2012 7:48	56239	engine 1 hour meter	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Vacuum	in-WC	5/30/2012 7:48	9.92	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Temperature	Celcius	5/30/2012 7:48	27	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Velocity	ft/min	5/30/2012 7:48	1520	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Flow Rate	CFM	5/30/2012 7:48	33	hot-wire anemometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	5/30/2012 8:36	1.51	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	5/30/2012 8:36	1.47	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	5/30/2012 8:36	1.1	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	145	Vacuum	in-WC	5/30/2012 8:36	0.99	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	5/30/2012 8:36	0.1	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	5/30/2012 8:36	0.08	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	5/30/2012 7:43	1.76	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	5/30/2012 7:43	1.36	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	5/30/2012 7:43	1.1	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	349	Vacuum	in-WC	5/30/2012 8:23	1.43	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	5/30/2012 8:23	0.87	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	484	Vacuum	in-WC	5/30/2012 8:14	2.11	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	5/30/2012 8:14	1.43	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	5/30/2012 8:14	0.72	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	5/30/2012 7:29	1.53	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	5/30/2012 7:29	1.3	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	5/30/2012 7:29	0.82	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	484	Vacuum	in-WC	5/30/2012 7:35	1.6	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	5/30/2012 7:35	1.28	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106152	Monitor	194	Vacuum	in-WC	5/30/2012 7:35	0.78	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	484	Vacuum	in-WC	5/30/2012 8:03	1.59	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	350	Vacuum	in-WC	5/30/2012 8:03	1.28	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	5/30/2012 8:03	0.85	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	5/30/2012 7:57	1.93	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	5/30/2012 7:57	1.35	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	5/30/2012 7:57	0.81	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	5/30/2012 8:09	1.65	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	5/30/2012 8:09	1.35	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	5/30/2012 8:09	0.9	digital manometer	335E1 & E2, 345E2, 344E1, 249E1

Table L-12
Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106156	Monitor	484	Vacuum	in-WC	5/30/2012 7:21	1.55	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	5/30/2012 7:21	1.28	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	5/30/2012 7:21	0.77	digital manometer	335E1 & E2, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Vacuum	in-WC	5/31/2012 16:19	22	0-30" magnehelic	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Temperature	Celcius	5/31/2012 16:19	36.1	hot-wire anemometer	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	5/31/2012 16:19	9300	hot-wire anemometer	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	5/31/2012 16:19	811	hot-wire anemometer	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/31/2012 16:19	9700	engine 1 readout	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	5/31/2012 16:19	12000	engine 2 readout	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/31/2012 16:19	18606	engine 1 hour meter	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Hours	hours	5/31/2012 16:19	21483	engine 2 hour meter	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Vacuum	PPM	5/31/2012 16:10	3.69	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Temperature	Celcius	5/31/2012 16:10	32.6	hot-wire anemometer	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	5/31/2012 16:10	3680	hot-wire anemometer	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	5/31/2012 16:10	321	hot-wire anemometer	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	5/31/2012 16:10	7100	engine 2 readout	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Hours	hours	5/31/2012 16:10	12837	engine 2 hour meter	335E1 & E2, 345E2, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	5/31/2012 16:23	0.72	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	5/31/2012 16:27	0.35	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	5/31/2012 16:27	0.31	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	5/31/2012 16:27	0	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106121	Monitor	145	Vacuum	in-WC	5/31/2012 16:27	-0.07	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	5/31/2012 16:27	-0.22	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	5/31/2012 16:27	-0.16	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	5/31/2012 15:43	0.78	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	5/31/2012 15:43	0.42	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	5/31/2012 15:43	0.26	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106149	Monitor	349	Vacuum	in-WC	5/31/2012 16:16	0.36	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	5/31/2012 16:16	0.08	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106150	Monitor	484	Vacuum	in-WC	5/31/2012 16:06	1.02	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	5/31/2012 16:06	0.42	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	5/31/2012 16:06	0.01	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	5/31/2012 15:30	0.62	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	5/31/2012 15:30	0.42	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	5/31/2012 15:30	0.1	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106152	Monitor	484	Vacuum	in-WC	5/31/2012 15:35	0.64	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	5/31/2012 15:35	0.37	digital manometer	335E1 & E2, 345E2, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106152	Monitor	194	Vacuum	in-WC	5/31/2012 15:35	0.03	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106153	Monitor	484	Vacuum	in-WC	5/31/2012 15:55	0.51	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106153	Monitor	350	Vacuum	in-WC	5/31/2012 15:55	0.27	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	5/31/2012 15:55	0.01	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	5/31/2012 15:49	0.84	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	5/31/2012 15:49	0.38	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	5/31/2012 15:49	0.06	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	5/31/2012 16:00	0.54	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	5/31/2012 16:00	0.3	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	5/31/2012 16:00	0	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106156	Monitor	484	Vacuum	in-WC	5/31/2012 15:24	0.7	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	5/31/2012 15:24	0.47	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	5/31/2012 15:24	0.14	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Vacuum	in-WC	6/4/2012 8:35	7.94	digital manometer	335E2, 345E2, 249E1
KAFB-106149	Extraction	484	Temperature	Celcius	6/4/2012 8:35	28.3	hot-wire anemometer	335E2, 345E2, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	6/4/2012 8:35	1720	hot-wire anemometer	335E2, 345E2, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/4/2012 8:35	150	hot-wire anemometer	335E2, 345E2, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/4/2012 8:35	20	engine 2 readout	335E2, 345E2, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	6/4/2012 8:35	11500	engine 2 readout	335E2, 345E2, 249E1
KAFB-106149	Extraction	484	Hours	hours	6/4/2012 8:35	21,571	engine 2 hour meter	335E2, 345E2, 249E1
KAFB-106160	Extraction	530	Vacuum	in-WC	6/4/2012 8:30	4.68	digital manometer	335E2, 345E2, 249E1
KAFB-106160	Extraction	530	Temperature	Celcius	6/4/2012 8:30	27.5	hot-wire anemometer	335E2, 345E2, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	6/4/2012 8:30	2100	hot-wire anemometer	335E2, 345E2, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	6/4/2012 8:30	183	hot-wire anemometer	335E2, 345E2, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	6/4/2012 8:30	10	engine 2 readout	335E2, 345E2, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	6/4/2012 8:30	8000	engine 2 readout	335E2, 345E2, 249E1
KAFB-106160	Extraction	530	Hours	hours	6/4/2012 8:30	12925	engine 2 hour meter	335E2, 345E2, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	6/4/2012 8:45	1.62	digital manometer	335E2, 345E2, 249E1
SVEW 01	Extraction	260	Vacuum	in-WC	6/4/2012 7:51	10.45	digital manometer	335E2, 345E2, 249E1
SVEW 01	Extraction	260	Temperature	Celcius	6/4/2012 7:51	28	hot-wire anemometer	335E2, 345E2, 249E1
SVEW 01	Extraction	260	Velocity	ft/min	6/4/2012 7:51	1840	hot-wire anemometer	335E2, 345E2, 249E1
SVEW 01	Extraction	260	Flow Rate	CFM	6/4/2012 7:51	40	hot-wire anemometer	335E2, 345E2, 249E1
SVEW 01/05	Extraction	260/460	Flow Rate	CFM	6/4/2012 7:51	24	engine 1 readout	335E2, 345E2, 249E1
SVEW 01/05	Extraction	260/460	Hydrocarbons	PPM	6/4/2012 7:51	18900	engine 1 readout	335E2, 345E2, 249E1
SVEW 01/05	Extraction	260/460	Hours	hours	6/4/2012 7:51	56359	engine 1 hour meter	335E2, 345E2, 249E1
SVEW 05	Extraction	460	Vacuum	in-WC	6/4/2012 7:51	10.5	digital manometer	335E2, 345E2, 249E1
SVEW 05	Extraction	460	Temperature	Celcius	6/4/2012 7:51	28.7	hot-wire anemometer	335E2, 345E2, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
SVEW 05	Extraction	460	Velocity	ft/min	6/4/2012 7:51	1620	hot-wire anemometer	335E2, 345E2, 249E1
SVEW 05	Extraction	460	Flow Rate	CFM	6/4/2012 7:51	35	hot-wire anemometer	335E2, 345E2, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	6/4/2012 8:49	1.4	digital manometer	335E2, 345E2, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	6/4/2012 8:49	1.42	digital manometer	335E2, 345E2, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	6/4/2012 8:49	1.24	digital manometer	335E2, 345E2, 249E1
KAFB-106121	Monitor	145	Vacuum	in-WC	6/4/2012 8:49	1.1	digital manometer	335E2, 345E2, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	6/4/2012 8:49	0.13	digital manometer	335E2, 345E2, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	6/4/2012 8:49	0.1	digital manometer	335E2, 345E2, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	6/4/2012 8:01	1.6	digital manometer	335E2, 345E2, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	6/4/2012 8:01	1.35	digital manometer	335E2, 345E2, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	6/4/2012 8:01	1.17	digital manometer	335E2, 345E2, 249E1
KAFB-106149	Monitor	349	Vacuum	in-WC	6/4/2012 8:40	1.36	digital manometer	335E2, 345E2, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	6/4/2012 8:40	0.92	digital manometer	335E2, 345E2, 249E1
KAFB-106150	Monitor	484	Vacuum	in-WC	6/4/2012 8:24	1.9	digital manometer	335E2, 345E2, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	6/4/2012 8:24	1.44	digital manometer	335E2, 345E2, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	6/4/2012 8:24	0.84	digital manometer	335E2, 345E2, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	6/4/2012 7:36	1.31	digital manometer	335E2, 345E2, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	6/4/2012 7:36	1.19	digital manometer	335E2, 345E2, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	6/4/2012 7:36	0.83	digital manometer	335E2, 345E2, 249E1
KAFB-106152	Monitor	484	Vacuum	in-WC	6/4/2012 7:43	1.39	digital manometer	335E2, 345E2, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	6/4/2012 7:43	1.2	digital manometer	335E2, 345E2, 249E1
KAFB-106152	Monitor	194	Vacuum	in-WC	6/4/2012 7:43	0.83	digital manometer	335E2, 345E2, 249E1
KAFB-106153	Monitor	484	Vacuum	in-WC	6/4/2012 8:13	1.41	digital manometer	335E2, 345E2, 249E1
KAFB-106153	Monitor	350	Vacuum	in-WC	6/4/2012 8:13	1.26	digital manometer	335E2, 345E2, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	6/4/2012 8:13	0.91	digital manometer	335E2, 345E2, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	6/4/2012 8:08	1.59	digital manometer	335E2, 345E2, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	6/4/2012 8:08	1.3	digital manometer	335E2, 345E2, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	6/4/2012 8:08	0.89	digital manometer	335E2, 345E2, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	6/4/2012 8:19	1.48	digital manometer	335E2, 345E2, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	6/4/2012 8:19	1.34	digital manometer	335E2, 345E2, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	6/4/2012 8:19	1.02	digital manometer	335E2, 345E2, 249E1
KAFB-106156	Monitor	484	Vacuum	in-WC	6/4/2012 7:29	1.41	digital manometer	335E2, 345E2, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	6/4/2012 7:29	1.23	digital manometer	335E2, 345E2, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	6/4/2012 7:29	0.8	digital manometer	335E2, 345E2, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	6/5/2012 8:42	2000	pitot tube	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/5/2012 8:42	174	pitot tube	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Velocity	ft/min	6/5/2012 8:42	2200	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106149	Extraction	484	Flow Rate	CFM	6/5/2012 8:42	192	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/5/2012 8:42	80	engine 1 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/5/2012 8:42	72	engine 2 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	6/5/2012 8:42	10700	engine 1 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	6/5/2012 8:42	8200	engine 2 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Hours	hours	6/5/2012 8:42	21595	engine 1 hour meter	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Hours	hours	6/5/2012 8:42	18627	engine 2 hour meter	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Velocity	ft/min	6/5/2012 8:53	1300	pitot tube	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/5/2012 8:53	113	pitot tube	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Velocity	ft/min	6/5/2012 8:53	1390	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/5/2012 8:53	121	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/5/2012 8:53	94	engine 1 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	6/5/2012 8:53	9800	engine 1 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Hours	hours	6/5/2012 8:53	16516	engine 1 hour meter	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Vacuum	in-WC	6/7/2012 8:34	24.5	0-30" magnehelic	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Temperature	Celcius	6/7/2012 8:34	26.3	hot-wire anemometer	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	6/7/2012 8:34	3100	hot-wire anemometer	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/7/2012 8:34	270	hot-wire anemometer	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	6/7/2012 8:34	1940	pitot tube	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/7/2012 8:34	169	pitot tube	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/7/2012 8:34	79	engine 1 readout	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/7/2012 8:34	64	engine 2 readout	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	6/7/2012 8:34	8700	engine 1 readout	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	6/7/2012 8:34	11500	engine 2 readout	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Hours	hours	6/7/2012 8:34	18675	engine 1 hour meter	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Hours	hours	6/7/2012 8:34	21643	engine 2 hour meter	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Vacuum	in-WC	6/7/2012 8:27	4.5	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Temperature	Celcius	6/7/2012 8:27	24.5	hot-wire anemometer	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	6/7/2012 8:27	1600	hot-wire anemometer	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	6/7/2012 8:27	140	hot-wire anemometer	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	6/7/2012 8:27	7700	engine 2 readout	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Hours	hours	6/7/2012 8:27	12954	engine 2 hour meter	335E1 & E2, 345E2, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	6/7/2012 8:27	89	engine 2 readout	335E1 & E2, 345E2, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	6/7/2012 8:45	1.65	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	6/7/2012 8:51	1.28	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	6/7/2012 8:51	1.27	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	6/7/2012 8:51	1.12	digital manometer	335E1 & E2, 345E2, 249E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106121	Monitor	145	Vacuum	in-WC	6/7/2012 8:51	1.04	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	6/7/2012 8:51	0.21	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	6/7/2012 8:51	0.16	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	6/7/2012 7:59	1.56	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	6/7/2012 7:59	1.32	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	6/7/2012 7:59	1.14	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106149	Monitor	349	Vacuum	in-WC	6/7/2012 8:41	1.3	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	6/7/2012 8:41	0.91	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106150	Monitor	484	Vacuum	in-WC	6/7/2012 8:21	1.8	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	6/7/2012 8:21	1.28	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	6/7/2012 8:21	0.73	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	6/7/2012 7:45	1.29	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	6/7/2012 7:45	1.17	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	6/7/2012 7:45	0.84	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106152	Monitor	484	Vacuum	in-WC	6/7/2012 7:51	1.36	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	6/7/2012 7:51	1.2	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106152	Monitor	194	Vacuum	in-WC	6/7/2012 7:51	0.82	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106153	Monitor	484	Vacuum	in-WC	6/7/2012 8:10	1.24	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106153	Monitor	350	Vacuum	in-WC	6/7/2012 8:10	1.12	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	6/7/2012 8:10	0.84	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	6/7/2012 8:04	1.64	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	6/7/2012 8:04	1.24	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	6/7/2012 8:04	0.84	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	6/7/2012 8:16	1.28	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	6/7/2012 8:16	1.13	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	6/7/2012 8:16	0.87	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106156	Monitor	484	Vacuum	in-WC	6/7/2012 7:37	1.36	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	6/7/2012 7:37	1.22	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	6/7/2012 7:37	0.82	digital manometer	335E1 & E2, 345E2, 249E1
KAFB-106149	Extraction	484	Vacuum	in-WC	6/14/2012 8:55	19	0-30" magnehelic	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Temperature	Celcius	6/14/2012 8:55	26.5	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Velocity	ft/min	6/14/2012 8:55	4680	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/14/2012 8:55	408	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Velocity	ft/min	6/14/2012 8:55	1760	pitot tube	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/14/2012 8:55	153	pitot tube	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/14/2012 8:55	70	engine 1 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/14/2012 8:55	58	engine 2 readout	335E1 & E2, 345E2, 249E1, 344 E1

Table L-12
Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106149	Extraction	484	Hydrocarbons	PPM	6/14/2012 8:55	9400	engine 1 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	6/14/2012 8:55	11800	engine 2 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Hours	hours	6/14/2012 8:55	18843	engine 1 hour meter	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Hours	hours	6/14/2012 8:55	21811	engine 2 hour meter	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106160	Extraction	530	Vacuum	in-WC	6/14/2012 8:46	3.21	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106160	Extraction	530	Temperature	Celcius	6/14/2012 8:46	27.5	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106160	Extraction	530	Velocity	ft/min	6/14/2012 8:46	1140	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106160	Extraction	530	Flow Rate	CFM	6/14/2012 8:46	99	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106160	Extraction	530	Flow Rate	CFM	6/14/2012 8:46	53	engine 2 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	6/14/2012 8:46	11400	engine 2 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106160	Extraction	530	Hours	hours	6/14/2012 8:46	13122	engine 2 hour meter	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Vacuum	in-WC	6/14/2012 9:00	3.55	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Temperature	Celcius	6/14/2012 9:00	29.3	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Velocity	ft/min	6/14/2012 9:00	2060	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/14/2012 9:00	180	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Velocity	ft/min	6/14/2012 9:00	1070	pitot tube	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/14/2012 9:00	93	pitot tube	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/14/2012 9:00	79	engine 1 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	6/14/2012 9:00	10100	engine 1 readout	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Hours	hours	6/14/2012 9:00	16564	engine 1 hour meter	335E1 & E2, 345E2, 249E1, 344 E1
SVEW 01	Extraction	260	Vacuum	in-WC	6/14/2012 8:10	10.68	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
SVEW 01	Extraction	260	Temperature	Celcius	6/14/2012 8:10	28	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
SVEW 01	Extraction	260	Velocity	ft/min	6/14/2012 8:10	1850	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
SVEW 01	Extraction	260	Flow Rate	CFM	6/14/2012 8:10	40	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
SVEW 01/05	Extraction	260/460	Flow Rate	CFM	6/14/2012 8:10	54	engine 1 readout	335E1 & E2, 345E2, 249E1, 344 E1
SVEW 01/05	Extraction	260/460	Hydrocarbons	PPM	6/14/2012 8:10	10500	engine 1 readout	335E1 & E2, 345E2, 249E1, 344 E1
SVEW 01/05	Extraction	260/460	Hours	hours	6/14/2012 8:10	56593	engine 1 hour meter	335E1 & E2, 345E2, 249E1, 344 E1
SVEW 05	Extraction	460	Vacuum	in-WC	6/14/2012 8:10	10.73	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
SVEW 05	Extraction	460	Temperature	Celcius	6/14/2012 8:10	26.5	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
SVEW 05	Extraction	460	Velocity	ft/min	6/14/2012 8:10	1780	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
SVEW 05	Extraction	460	Flow Rate	CFM	6/14/2012 8:10	39	hot-wire anemometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106121	Monitor	450	Vacuum	in-WC	6/14/2012 9:10	0.95	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106121	Monitor	350	Vacuum	in-WC	6/14/2012 9:10	0.92	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106121	Monitor	250	Vacuum	in-WC	6/14/2012 9:10	0.68	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106121	Monitor	145	Vacuum	in-WC	6/14/2012 9:10	0.67	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106121	Monitor	50	Vacuum	in-WC	6/14/2012 9:10	0.17	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106121	Monitor	25	Vacuum	in-WC	6/14/2012 9:10	0.13	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1

Table L-12
Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106148	Monitor	484	Vacuum	in-WC	6/14/2012 8:18	1.19	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106148	Monitor	349	Vacuum	in-WC	6/14/2012 8:18	0.95	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106148	Monitor	194	Vacuum	in-WC	6/14/2012 8:18	0.86	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Monitor	349	Vacuum	in-WC	6/14/2012 8:50	1.04	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Monitor	194	Vacuum	in-WC	6/14/2012 8:50	0.64	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106150	Monitor	484	Vacuum	in-WC	6/14/2012 8:41	1.49	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106150	Monitor	350	Vacuum	in-WC	6/14/2012 8:41	0.99	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106150	Monitor	200	Vacuum	in-WC	6/14/2012 8:41	0.59	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106151	Monitor	484	Vacuum	in-WC	6/14/2012 7:56	0.9	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106151	Monitor	350	Vacuum	in-WC	6/14/2012 7:56	0.78	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106151	Monitor	200	Vacuum	in-WC	6/14/2012 7:56	0.58	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106152	Monitor	484	Vacuum	in-WC	6/14/2012 8:02	1.04	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106152	Monitor	350	Vacuum	in-WC	6/14/2012 8:02	0.81	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106152	Monitor	194	Vacuum	in-WC	6/14/2012 8:02	0.6	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106153	Monitor	484	Vacuum	in-WC	6/14/2012 8:30	1.07	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106153	Monitor	350	Vacuum	in-WC	6/14/2012 8:30	0.85	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106153	Monitor	200	Vacuum	in-WC	6/14/2012 8:30	0.66	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106154	Monitor	484	Vacuum	in-WC	6/14/2012 8:24	1.47	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106154	Monitor	350	Vacuum	in-WC	6/14/2012 8:24	0.95	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106154	Monitor	197	Vacuum	in-WC	6/14/2012 8:24	0.68	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106155	Monitor	484	Vacuum	in-WC	6/14/2012 8:35	1.11	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106155	Monitor	350	Vacuum	in-WC	6/14/2012 8:35	0.88	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106155	Monitor	200	Vacuum	in-WC	6/14/2012 8:35	0.65	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106156	Monitor	484	Vacuum	in-WC	6/14/2012 7:49	0.89	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106156	Monitor	341	Vacuum	in-WC	6/14/2012 7:49	0.74	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106156	Monitor	178	Vacuum	in-WC	6/14/2012 7:49	0.53	digital manometer	335E1 & E2, 345E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Vacuum	in-WC	6/20/2012 8:38	24	0-30" magnehelic	335E1 & E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Temperature	Celcius	6/20/2012 8:38	28.6	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Velocity	ft/min	6/20/2012 8:38	3850	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Flow Rate	ft/min	6/20/2012 8:38	336	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Velocity	ft/min	6/20/2012 8:38	1960	pitot tube	335E1 & E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/20/2012 8:38	171	pitot tube	335E1 & E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/20/2012 8:38	83	engine 1 readout	335E1 & E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/20/2012 8:38	69	engine 2 readout	335E1 & E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	6/20/2012 8:38	8000	engine 1 readout	335E1 & E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	6/20/2012 8:38	10700	engine 2 readout	335E1 & E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Hours	hours	6/20/2012 8:38	18987	engine 1 hour meter	335E1 & E2, 249E1, 344 E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106149	Extraction	484	Hours	hours	6/20/2012 8:38	21955	engine 2 hour meter	335E1 & E2, 249E1, 344 E1
KAFB-106160	Extraction	530	Vacuum	in-WC	6/20/2012 8:32	0.79	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Vacuum	in-WC	6/20/2012 8:48	2.91	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Temperature	Celcius	6/20/2012 8:48	23.9	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Velocity	ft/min	6/20/2012 8:48	1350	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/20/2012 8:48	118	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Velocity	ft/min	6/20/2012 8:48	1160	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/20/2012 8:48	101	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/20/2012 8:48	77	engine 1 readout	335E1 & E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	6/20/2012 8:48	10200	engine 1 readout	335E1 & E2, 249E1, 344 E1
KAFB-106161	Extraction	530	Hours	hours	6/20/2012 8:48	16707	engine 1 hour meter	335E1 & E2, 249E1, 344 E1
SVEW 01	Extraction	260	Vacuum	in-WC	6/20/2012 7:59	11.12	digital manometer	335E1 & E2, 249E1, 344 E1
SVEW 01	Extraction	260	Temperature	Celcius	6/20/2012 7:59	28.5	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
SVEW 01	Extraction	260	Velocity	ft/min	6/20/2012 7:59	2100	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
SVEW 01	Extraction	260	Flow Rate	CFM	6/20/2012 7:59	46	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
SVEW 01/05	Extraction	260/460	Hydrocarbons	PPM	6/20/2012 7:59	9800	engine 1 readout	335E1 & E2, 249E1, 344 E1
SVEW 01/05	Extraction	260/460	Hydrocarbons	PPM	6/20/2012 7:59	12900	engine 2 readout	335E1 & E2, 249E1, 344 E1
SVEW 01/05	Extraction	260/460	Hours	hours	6/20/2012 7:59	56718	engine 1 hour meter	335E1 & E2, 249E1, 344 E1
SVEW 01/05	Extraction	260/460	Hours	hours	6/20/2012 7:59	49516	engine 2 hour meter	335E1 & E2, 249E1, 344 E1
SVEW 01/05	Extraction	260/460	Flow Rate	CFM	6/20/2012 7:59	55	engine 1 readout	335E1 & E2, 249E1, 344 E1
SVEW 01/05	Extraction	260/460	Flow Rate	CFM	6/20/2012 7:59	0	engine 2 readout	335E1 & E2, 249E1, 344 E1
SVEW 05	Extraction	460	Vacuum	in-WC	6/20/2012 7:59	11.11	digital manometer	335E1 & E2, 249E1, 344 E1
SVEW 05	Extraction	460	Temperature	Celcius	6/20/2012 7:59	28.1	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
SVEW 05	Extraction	460	Velocity	ft/min	6/20/2012 7:59	1300	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
SVEW 05	Extraction	460	Flow Rate	CFM	6/20/2012 7:59	28	hot-wire anemometer	335E1 & E2, 249E1, 344 E1
KAFB-106121	Monitor	450	Vacuum	in-WC	6/20/2012 8:55	0.38	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106121	Monitor	350	Vacuum	in-WC	6/20/2012 8:55	0.34	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106121	Monitor	250	Vacuum	in-WC	6/20/2012 8:55	0.3	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106121	Monitor	145	Vacuum	in-WC	6/20/2012 8:55	0.37	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106121	Monitor	50	Vacuum	in-WC	6/20/2012 8:55	0.2	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106121	Monitor	25	Vacuum	in-WC	6/20/2012 8:55	0.15	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106148	Monitor	484	Vacuum	in-WC	6/20/2012 7:53	0.67	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106148	Monitor	349	Vacuum	in-WC	6/20/2012 7:53	0.58	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106148	Monitor	194	Vacuum	in-WC	6/20/2012 7:53	0.55	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106149	Monitor	349	Vacuum	in-WC	6/20/2012 8:35	0.62	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106149	Monitor	194	Vacuum	in-WC	6/20/2012 8:35	0.39	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106150	Monitor	484	Vacuum	in-WC	6/20/2012 8:28	0.82	digital manometer	335E1 & E2, 249E1, 344 E1

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Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106150	Monitor	350	Vacuum	in-WC	6/20/2012 8:28	0.58	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106150	Monitor	200	Vacuum	in-WC	6/20/2012 8:28	0.42	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106151	Monitor	484	Vacuum	in-WC	6/20/2012 7:39	0.35	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106151	Monitor	350	Vacuum	in-WC	6/20/2012 7:39	0.33	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106151	Monitor	200	Vacuum	in-WC	6/20/2012 7:39	0.32	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106152	Monitor	484	Vacuum	in-WC	6/20/2012 7:44	0.42	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106152	Monitor	350	Vacuum	in-WC	6/20/2012 7:44	0.31	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106152	Monitor	194	Vacuum	in-WC	6/20/2012 7:44	0.32	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106153	Monitor	484	Vacuum	in-WC	6/20/2012 8:14	0.44	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106153	Monitor	350	Vacuum	in-WC	6/20/2012 8:14	0.35	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106153	Monitor	200	Vacuum	in-WC	6/20/2012 8:14	0.35	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106154	Monitor	484	Vacuum	in-WC	6/20/2012 8:08	0.81	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106154	Monitor	350	Vacuum	in-WC	6/20/2012 8:08	0.45	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106154	Monitor	197	Vacuum	in-WC	6/20/2012 8:08	0.37	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106155	Monitor	484	Vacuum	in-WC	6/20/2012 8:20	0.49	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106155	Monitor	350	Vacuum	in-WC	6/20/2012 8:20	0.37	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106155	Monitor	200	Vacuum	in-WC	6/20/2012 8:20	0.35	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106156	Monitor	484	Vacuum	in-WC	6/20/2012 7:32	0.3	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106156	Monitor	341	Vacuum	in-WC	6/20/2012 7:32	0.31	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106156	Monitor	178	Vacuum	in-WC	6/20/2012 7:32	0.32	digital manometer	335E1 & E2, 249E1, 344 E1
KAFB-106149	Extraction	484	Vacuum	in-WC	6/26/2012 11:07	15.06	digital manometer	335E1, 345E2, 344E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/26/2012 11:07	91	engine 1 readout	335E1, 345E2, 344E1
KAFB-106149	Extraction	484	Velocity	ft/min	6/26/2012 11:07	1160	pitot tube	335E1, 345E2, 344E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/26/2012 11:07	101	pitot tube	335E1, 345E2, 344E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	6/26/2012 11:07	6700	engine 1 readout	335E1, 345E2, 344E1
KAFB-106149	Extraction	484	Hours	hours	6/26/2012 11:07	6487.5	engine 1 hour meter	335E1, 345E2, 344E1
KAFB-106160	Extraction	530	Vacuum	in-WC	6/26/2012 10:55	4.32	digital manometer	335E1, 345E2, 344E1
KAFB-106160	Extraction	530	Flow Rate	CFM	6/26/2012 10:55	76	engine 2 readout	335E1, 345E2, 344E1
KAFB-106160	Extraction	530	Velocity	ft/min	6/26/2012 10:55	920	pitot tube	335E1, 345E2, 344E1
KAFB-106160	Extraction	530	Flow Rate	CFM	6/26/2012 10:55	80	pitot tube	335E1, 345E2, 344E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	6/26/2012 10:55	8800	engine 2 readout	335E1, 345E2, 344E1
KAFB-106160	Extraction	530	Hours	hours	6/26/2012 10:55	13932.1	engine 2 hour meter	335E1, 345E2, 344E1
KAFB-106161	Extraction	530	Vacuum	in-WC	6/26/2012 11:17	3.87	digital manometer	335E1, 345E2, 344E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/26/2012 11:17	78	engine 1 readout	335E1, 345E2, 344E1
KAFB-106161	Extraction	530	Velocity	ft/min	6/26/2012 11:17	920	pitot tube	335E1, 345E2, 344E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/26/2012 11:17	80	pitot tube	335E1, 345E2, 344E1
KAFB-106121	Monitor	450	Vacuum	in-WC	6/26/2012 10:33	1.51	digital manometer	335E1, 345E2, 344E1

Table L-12
Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106121	Monitor	350	Vacuum	in-WC	6/26/2012 10:33	1.52	digital manometer	335E1, 345E2, 344E1
KAFB-106121	Monitor	250	Vacuum	in-WC	6/26/2012 10:33	1.11	digital manometer	335E1, 345E2, 344E1
KAFB-106121	Monitor	145	Vacuum	in-WC	6/26/2012 10:33	0.95	digital manometer	335E1, 345E2, 344E1
KAFB-106121	Monitor	50	Vacuum	in-WC	6/26/2012 10:33	-0.04	digital manometer	335E1, 345E2, 344E1
KAFB-106121	Monitor	25	Vacuum	in-WC	6/26/2012 10:33	-0.03	digital manometer	335E1, 345E2, 344E1
KAFB-106148	Monitor	484	Vacuum	in-WC	6/26/2012 9:55	1.75	digital manometer	335E1, 345E2, 344E1
KAFB-106148	Monitor	349	Vacuum	in-WC	6/26/2012 9:55	1.33	digital manometer	335E1, 345E2, 344E1
KAFB-106148	Monitor	194	Vacuum	in-WC	6/26/2012 9:55	1.06	digital manometer	335E1, 345E2, 344E1
KAFB-106149	Monitor	349	Vacuum	in-WC	6/26/2012 11:10	1.19	digital manometer	335E1, 345E2, 344E1
KAFB-106149	Monitor	194	Vacuum	in-WC	6/26/2012 11:10	0.69	digital manometer	335E1, 345E2, 344E1
KAFB-106150	Monitor	484	Vacuum	in-WC	6/26/2012 10:45	2	digital manometer	335E1, 345E2, 344E1
KAFB-106150	Monitor	350	Vacuum	in-WC	6/26/2012 10:45	1.35	digital manometer	335E1, 345E2, 344E1
KAFB-106150	Monitor	200	Vacuum	in-WC	6/26/2012 10:45	0.61	digital manometer	335E1, 345E2, 344E1
KAFB-106151	Monitor	484	Vacuum	in-WC	6/26/2012 9:46	1.68	digital manometer	335E1, 345E2, 344E1
KAFB-106151	Monitor	350	Vacuum	in-WC	6/26/2012 9:46	1.42	digital manometer	335E1, 345E2, 344E1
KAFB-106151	Monitor	200	Vacuum	in-WC	6/26/2012 9:46	0.86	digital manometer	335E1, 345E2, 344E1
KAFB-106152	Monitor	484	Vacuum	in-WC	6/26/2012 9:32	1.78	digital manometer	335E1, 345E2, 344E1
KAFB-106152	Monitor	350	Vacuum	in-WC	6/26/2012 9:32	1.45	digital manometer	335E1, 345E2, 344E1
KAFB-106152	Monitor	194	Vacuum	in-WC	6/26/2012 9:32	0.85	digital manometer	335E1, 345E2, 344E1
KAFB-106153	Monitor	484	Vacuum	in-WC	6/26/2012 10:06	1.77	digital manometer	335E1, 345E2, 344E1
KAFB-106153	Monitor	350	Vacuum	in-WC	6/26/2012 10:06	1.39	digital manometer	335E1, 345E2, 344E1
KAFB-106153	Monitor	200	Vacuum	in-WC	6/26/2012 10:06	0.87	digital manometer	335E1, 345E2, 344E1
KAFB-106154	Monitor	484	Vacuum	in-WC	6/26/2012 10:02	2.02	digital manometer	335E1, 345E2, 344E1
KAFB-106154	Monitor	350	Vacuum	in-WC	6/26/2012 10:02	1.41	digital manometer	335E1, 345E2, 344E1
KAFB-106154	Monitor	197	Vacuum	in-WC	6/26/2012 10:02	0.81	digital manometer	335E1, 345E2, 344E1
KAFB-106155	Monitor	484	Vacuum	in-WC	6/26/2012 10:17	1.76	digital manometer	335E1, 345E2, 344E1
KAFB-106155	Monitor	350	Vacuum	in-WC	6/26/2012 10:17	1.43	digital manometer	335E1, 345E2, 344E1
KAFB-106155	Monitor	200	Vacuum	in-WC	6/26/2012 10:17	0.91	digital manometer	335E1, 345E2, 344E1
KAFB-106156	Monitor	484	Vacuum	in-WC	6/26/2012 9:23	1.7	digital manometer	335E1, 345E2, 344E1
KAFB-106156	Monitor	341	Vacuum	in-WC	6/26/2012 9:23	1.41	digital manometer	335E1, 345E2, 344E1
KAFB-106156	Monitor	178	Vacuum	in-WC	6/26/2012 9:23	0.73	digital manometer	335E1, 345E2, 344E1
KAFB-106149	Extraction	484	Vacuum	in-WC	6/27/2012 14:15	9.08	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/27/2012 14:15	74	engine 1 readout	335E1, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	6/27/2012 14:15	21300	engine 1 readout	335E1, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	6/27/2012 14:15	6494.6	engine 1 hour meter	335E1, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	6/27/2012 14:15	1100	pitot tube	335E1, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/27/2012 14:15	96	pitot tube	335E1, 345E2, 344E1, 249E1

Table L-12
Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106160	Extraction	530	Vacuum	in-WC	6/27/2012 8:30	4.37	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	6/27/2012 8:30	77	engine 2 readout	335E1, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	6/27/2012 8:30	9100	engine 2 readout	335E1, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hours	hours	6/27/2012 8:30	13953.6	engine 2 hour meter	335E1, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	6/27/2012 8:30	910	pitot tube	335E1, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	6/27/2012 8:30	79	pitot tube	335E1, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	6/27/2012 8:40	3.94	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/27/2012 8:40	76	engine 1 readout	335E1, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	6/27/2012 8:40	9500	engine 1 readout	335E1, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hours	hours	6/27/2012 8:40	16027.2	engine 1 hour meter	335E1, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Velocity	ft/min	6/27/2012 8:40	910	pitot tube	335E1, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Flow Rate	CFM	6/27/2012 8:40	79	pitot tube	335E1, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Vacuum	in-WC	6/27/2012 14:08	24	engine 1 readout	335E1, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Flow Rate	CFM	6/27/2012 14:08	58	engine 1 readout	335E1, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Hydrocarbons	PPM	6/27/2012 14:08	12100	engine 1 readout	335E1, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Hours	hours	6/27/2012 14:08	11670.4	engine 1 hour meter	335E1, 345E2, 344E1, 249E1
KAFB-106121	Monitor	450	Vacuum	in-WC	6/27/2012 8:12	1.72	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106121	Monitor	350	Vacuum	in-WC	6/27/2012 8:12	1.73	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106121	Monitor	250	Vacuum	in-WC	6/27/2012 8:12	1.48	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106121	Monitor	145	Vacuum	in-WC	6/27/2012 8:12	1.34	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106121	Monitor	50	Vacuum	in-WC	6/27/2012 8:12	0.25	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106121	Monitor	25	Vacuum	in-WC	6/27/2012 8:12	0.17	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106148	Monitor	484	Vacuum	in-WC	6/27/2012 8:20	1.7	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106148	Monitor	349	Vacuum	in-WC	6/27/2012 8:20	1.43	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106148	Monitor	194	Vacuum	in-WC	6/27/2012 8:20	1.25	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106149	Monitor	349	Vacuum	in-WC	6/27/2012 8:54	1.43	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106149	Monitor	194	Vacuum	in-WC	6/27/2012 8:54	0.99	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106150	Monitor	484	Vacuum	in-WC	6/27/2012 9:09	1.99	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106150	Monitor	350	Vacuum	in-WC	6/27/2012 9:09	1.55	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106150	Monitor	200	Vacuum	in-WC	6/27/2012 9:09	0.86	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106151	Monitor	484	Vacuum	in-WC	6/27/2012 7:38	1.56	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106151	Monitor	350	Vacuum	in-WC	6/27/2012 7:38	1.43	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106151	Monitor	200	Vacuum	in-WC	6/27/2012 7:38	1.02	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106152	Monitor	484	Vacuum	in-WC	6/27/2012 7:45	1.71	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106152	Monitor	350	Vacuum	in-WC	6/27/2012 7:45	1.5	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106152	Monitor	194	Vacuum	in-WC	6/27/2012 7:45	1.01	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106153	Monitor	484	Vacuum	in-WC	6/27/2012 7:57	1.83	digital manometer	335E1, 345E2, 344E1, 249E1

Table L-12
Data Collected During SVE Monitoring

Well ID	Well Type (Extraction or Monitor)	Well Depth (ft BGS)	Parameter	Units	Date and Time (mm/dd/yy, hh:mm)	Value	Instrument	Engines running
KAFB-106153	Monitor	350	Vacuum	in-WC	6/27/2012 7:57	1.59	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106153	Monitor	200	Vacuum	in-WC	6/27/2012 7:57	1.17	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106154	Monitor	484	Vacuum	in-WC	6/27/2012 7:52	1.9	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106154	Monitor	350	Vacuum	in-WC	6/27/2012 7:52	1.52	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106154	Monitor	197	Vacuum	in-WC	6/27/2012 7:52	1.04	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106155	Monitor	484	Vacuum	in-WC	6/27/2012 8:04	1.85	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106155	Monitor	350	Vacuum	in-WC	6/27/2012 8:04	1.63	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106155	Monitor	200	Vacuum	in-WC	6/27/2012 8:04	1.24	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106156	Monitor	484	Vacuum	in-WC	6/27/2012 7:30	1.63	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106156	Monitor	341	Vacuum	in-WC	6/27/2012 7:30	1.42	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106156	Monitor	178	Vacuum	in-WC	6/27/2012 7:30	0.95	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Vacuum	in-WC	6/28/2012 11:35	6.3	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hydrocarbons	PPM	6/28/2012 11:35	6500	engine 1 readout	335E1, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Hours	hours	6/28/2012 11:35	6515	engine 1 hour meter	335E1, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Velocity	ft/min	6/28/2012 11:35	820	pitot tube	335E1, 345E2, 344E1, 249E1
KAFB-106149	Extraction	484	Flow Rate	CFM	6/28/2012 11:35	72	pitot tube	335E1, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Vacuum	in-WC	6/28/2012 11:18	5.4	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hydrocarbons	PPM	6/28/2012 11:18	7900	engine 2 readout	335E1, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Hours	hours	6/28/2012 11:18	13977.5	engine 2 hour meter	335E1, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Velocity	ft/min	6/28/2012 11:18	1300	pitot tube	335E1, 345E2, 344E1, 249E1
KAFB-106160	Extraction	530	Flow Rate	CFM	6/28/2012 11:18	113	pitot tube	335E1, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Vacuum	in-WC	6/28/2012 11:07	4.89	digital manometer	335E1, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hydrocarbons	PPM	6/28/2012 11:07	9800	engine 1 readout	335E1, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Hours	hours	6/28/2012 11:07	16050	engine 1 hour meter	335E1, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Velocity	ft/min	6/28/2012 11:07	1090	pitot tube	335E1, 345E2, 344E1, 249E1
KAFB-106161	Extraction	530	Flow Rate	ft/min	6/28/2012 11:07	95	pitot tube	335E1, 345E2, 344E1, 249E1
SVEW 01	Extraction	260	Vacuum	in-WC	6/28/2012 11:30	13.05	digital manometer	335E1, 345E2, 344E1, 249E1
SVEW 05	Extraction	460	Vacuum	in-WC	6/28/2012 11:30	13.1	digital manometer	335E1, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Hydrocarbons	PPM	6/28/2012 11:30	9900	engine 1 readout	335E1, 345E2, 344E1, 249E1
SVEW 01/05	Extraction	260/460	Hours	hours	6/28/2012 11:30	11891	engine 1 hour meter	335E1, 345E2, 344E1, 249E1

Table L-13
Monitoring Wells Used in the Analysis of Each Five Day ROI Test

Test Name	Well ID	Distance from Extraction Well (ft)
5DTKAFB106149-484	KAFB 106117-450	29
	KAFB 106116-450	161
	KAFB 106119-450	201
	KAFB 106128-450	205
	KAFB 106112-450	221
	SVMW-15	227
	KAFB 106114-450	317
	KAFB 106129-450	393
	KAFB 106113-450	402
	KAFB 106111-450	429
	KAFB 106121-450	643
5DTKAFB106121-450	KAFB-106123-450	61
	KAFB-106122-450	75
	KAFB-106120-450	95
	KAFB-106113-450	261
	KAFB-106114-450	362
	KAFB-106131-450	381
5DTSVEW-05	KAFB-106148-484	96
	SVEW-09	183
	KAFB-106119-450	203
	KAFB-106121-450	964

ft - foot/feet

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Table L-14
Summary of Data for ROI Test 5DTKAFB106149-484

Well ID	Distance from KAFB 106149	Monitoring Round											Proportion of Monitoring Rounds with a Greater than Average Difference in Pressures	Proportion of Monitoring Days with a Greater than Average Difference in Pressures
		1	2	3	4	5	6	7	8	9	10	11		
		Day 1					Day 2		Day 3		Day 4	Day 5		
KAFB 106117-450	29	x	x	x	x	x	x	x	x	x	x	x	1.00	1.00
KAFB 106116-450	161	x	x	x	x	x	x	x	x	x	x	x	1.00	1.00
KAFB 106119-450	201	x	-	x	x	-	x	x	x	x	x	x	0.82	1.00
KAFB 106128-450	205	x	x	x	-	-	-	x	x	x	x	x	0.73	0.90
KAFB 106112-450	221	x	-	-	x	-	x	-	x	x	-	x	0.55	0.50
SVMW-15	227	x	x	x	x	x	x	x	x	x	x	-	0.91	0.70
KAFB 106114-450	317	x	x	x	x	x	-	-	-	-	-	-	0.45	0.20
KAFB 106129-450	393	-	-	-	-	x	x	-	-	-	-	-	0.18	0.10
KAFB 106113-450	402	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00
KAFB 106111-450	429	-	-	-	-	-	-	-	-	-	-	-	0.00	0.00

x = greater than average difference in pressures

- = less than average difference in pressures

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Table L-15
Data Summary for ROI Test 5DTKAFB106121-450

Well ID	Distance from KAFB 160121	Monitoring Round													Proportion of Monitoring Rounds with a Greater than Average Difference in Pressures	Proportion of Monitoring Days with a Greater than Average Difference in Pressures
		1	2	3	4	5	6	7	8	9	10	11	12	13		
		Day 1							Day 2		Day 3		Day 4	Day 5		
KAFB 106123	61	x	x	x	x	x	x	x	x	x	x	x	x	x	1.00	1.00
KAFB 106122	75	x	x	x	x	x	x	x	x	x	x	x	x	x	1.00	1.00
KAFB 106120	95	-	-	-	-	-	-	-	-	-	-	-	-	x	0.08	0.20
KAFB 106113	261	-	-	-	-	-	-	x	-	-	-	-	-	-	0.08	0.00
KAFB 106114	362	x	x	x	-	-	x	-	-	-	x	-	-	-	0.38	0.30

x = greater than average difference in pressures

- = less than average difference in pressures

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Table L-16
Data Summary for ROI Test 5DTSVEW-05

Well ID	Horizontal distance from SVEW-05	Monitoring Round/Day					Proportion of Monitoring Rounds/Days with a Greater than Average Difference in Pressures
		1	2	3	4	5	
KAFB-106148-484	96	x	-	-	-	-	1
SVEW-09	183	x	-	-	x	x	2.00
KAFB-106119-450	203	-	x	x	-	x	3

x = greater than average difference in pressures

- = less than average difference in pressures

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Table L-17
Summary of Data for SVE Monitoring

	Well ID	Monitoring Round																					Proportion of Monitoring Rounds/Days with a Greater than Average Difference in Pressures
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
484 ft bgs wells	KAFB 106148-484	x	x	x	x	x	-	-	x	-	-	x	x	x	x	x	x	x	x	x	-	-	71%
	KAFB 106150-484	-	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	95%
	KAFB 106151-484	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5%
	KAFB 106152-484	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5%
	KAFB 106153-484	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	x	5%
	KAFB 106154-484	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	100%
	KAFB 106155-484	-	-	-	-	-	-	-	-	x	-	-	-	-	-	-	-	-	-	-	-	x	10%
	KAFB 106156-484	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10%
350 ft bgs wells	KAFB 106148-349	x	x	x	x	x	-	-	x	-	-	x	x	x	x	x	x	x	x	x	-	-	71%
	KAFB 106149-349	x	x	x	x	x	x	x	x	-	-	x	-	x	x	x	x	x	x	x	-	-	76%
	KAFB 106150-350	-	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	95%
	KAFB 106151-350	x	-	-	-	-	-	-	-	x	x	-	x	-	-	-	-	-	-	-	x	-	24%
	KAFB 106152-350	-	-	-	-	-	-	-	-	x	x	-	-	-	-	-	-	x	-	x	x	x	29%
	KAFB 106153-350	-	-	-	-	-	-	-	x	-	-	-	-	-	-	-	-	-	-	-	x	x	14%
	KAFB 106154-350	-	-	x	-	x	x	-	x	-	x	x	x	x	x	x	-	x	x	-	x	x	67%
	KAFB 106155-351	-	-	-	-	-	-	x	-	x	x	-	x	-	x	x	x	-	-	-	x	x	43%
	KAFB 106156-341	x	x	-	x	-	-	x	-	-	-	-	x	-	-	-	x	x	-	-	-	-	33%
200 ft bgs wells	KAFB 106148-194	x	x	x	x	x	x	x	-	x	x	-	x	-	x	-	x	x	x	x	x	x	81%
	KAFB 106149-194	x	x	x	x	-	-	x	x	-	-	x	-	x	x	x	-	-	x	-	-	-	52%
	KAFB 106150-200	-	-	x	-	-	-	-	x	-	-	x	-	x	-	x	-	-	-	-	-	-	24%
	KAFB 106151-200	x	x	x	x	x	-	x	-	x	x	x	x	-	-	-	-	x	-	x	x	x	67%
	KAFB 106152-194	x	-	-	-	-	-	-	-	-	x	-	-	-	-	-	-	-	-	-	-	-	10%
	KAFB 106153-200	-	-	-	-	-	-	-	x	x	-	-	x	-	x	-	-	-	x	-	x	x	33%
	KAFB 106154-197	-	-	-	-	x	x	-	x	-	-	x	-	x	-	x	-	-	x	-	-	-	33%
	KAFB 106155-200	-	-	-	-	x	x	x	-	x	x	-	x	-	x	x	x	-	x	-	x	x	57%
	KAFB 106156-178	x	x	x	x	-	-	-	-	-	-	x	-	x	-	-	-	x	-	x	-	-	38%

Table L-17
Summary of Data for SVE Monitoring

	Well ID	Monitoring Round																					Proportion of Monitoring Rounds/Days with a Greater than Average Difference in Pressures
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
200 ft bgs wells without outliers	KAFB 106148-194	x	x	x	x	x	x	x	-	x	x	-	x	-	x	-	x	x	x	x	x	x	81%
	KAFB 106149-194	x	x	x	x	x	x	x	x	-	-	x	-	x	x	x	x	x	x	-	-	-	71%
	KAFB 106150-200	-	-	x	x	-	-	-	x	-	-	x	-	x	-	x	-	-	-	x	-	-	33%
	KAFB 106151-200	x	x	x	x	x	-	x	-	x	x	x	x	-	x	-	-	x	-	x	x	x	71%
	KAFB 106152-194	x	-	x	-	-	-	-	-	-	x	-	-	-	-	-	-	x	-	x	-	-	24%
	KAFB 106153-200	-	-	-	-	x	x	x	x	x	-	-	x	-	x	-	x	x	x	-	x	x	57%
	KAFB 106154-197	-	-	x	-	x	x	-	x	-	-	x	-	x	-	x	-	x	x	x	-	-	48%
	KAFB 106155-200	-	x	-	-	x	x	x	-	x	x	-	x	-	x	x	x	x	x	-	x	x	67%
	KAFB 106156-178	x	x	x	x	-	-	-	-	-	-	x	-	x	-	-	-	x	-	x	-	-	38%

x = greater than average difference in pressures

- = less than average difference in pressures

ID - Identification

KAFB - Kirtland Air Force Base

ROI - Radius of influence

SVEW - Soil-vapor extraction well