APPENDIX L

Radius of Influence Test Results

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ACRONYMS AND ABBREVIATIONS

3D	three dimensional
-inWC	negative inches of Water Column (vacuum pressure)
°F	degrees Fahrenheit
bgs	below ground surface
CO	carbon monoxide
CO2	carbon dioxide
ft	foot (feet)
H2S	hydrogen sulfide
ID	Identification
inWC	inches of Water Column
LEL	lower explosive limit
O2	oxygen
PMSL	pressure mean sea level
ppm	parts per million
PVC	polyvinyl chloride
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 2nd and was completed December 16th, 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.

Data was collected to be incorporated in the three-dimensional (3D) analysis of remediation prospects for the vadose zone contamination using existing SVE extraction wells and Remediation Service International (RSI) SVE units. This analysis will involve vapor concentration distribution, lithology, and 3D numerical modeling of vapor flow. The ongoing quarterly field and analytical vapor concentration monitoring data from 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 extraction wells, and three 5 day tests were conducted using the selected SVE extraction 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 5 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 named "SWTKAFB106121-450" and the five day test using SVEW-05 as the extraction well is named "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 5 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 was already in place at that location.

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 (PVC) pipe attached by a 90^0 bend to a well seal and equipped with a port into which the hot-wire anemometer and the Horiba Mexa-584L probe (when vapor did not require dilution) could be inserted, a port from which vacuum pressure could be read and vapor collected for dilution when required, and a pressure gauge reading inches of Mercury. Extraction wells SVEW-01 and SVEW-05, along with the remainder of wells SVEW-01 through SVEW-09, are connected to a wellhead setup already in place (Figure L-3), each with a valved sample port from which vacuum pressure could 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 did not require dilution). Vapor dilution was required when total hydrocarbons reached or exceeded 8000 parts per million (ppm).

All data for these tests were field measurements; no samples were collected.

2.1 Single well tests

Each of the five potential SVE extraction 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 11:00, and then hourly until 16:00. 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 were 0-1, 0-2, 0-4, 0-20 and 0-60 inWC. When vacuum pressure exceeded 60 –inWC [negative inWC], vacuum was read 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 16:00. A Horiba Mexa-584L was used to measure carbon monoxide (CO), carbon dioxide (CO_2), oxygen (O_2) and total hydrocarbons. Vacuum pressures on all other well depths in the cluster containing the extraction well were measured every 30 minutes from the start of the test until 11:00, and then hourly until 16:00. Magnehelic® pressure gauges of the most appropriate available range reading 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.

After the readings scheduled for 16:00 were taken, 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 from the single well tests were used to select extraction wells for the 5 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 from 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 taken 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 taken twice daily, and on the fourth and fifth days readings were taken once daily.

Flow and vacuum measurements on the extraction well were taken using the same procedures as described in Section 2.1. Vacuum pressure on monitoring wells were taken using Magnehelic® pressure gauges of 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 taken 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 from all three tests will be evaluated to determine the horizontal and vertical ROI using 3D data analysis methods. This data will be used to determine how to optimize soil vapor extraction at the Bulk Fuels Facility. Data analysis will be presented in the First Quarter 2012 report.

3. DATA

All data for each test was compiled into an Excel spreadsheet and plots were prepared of all monitoring data over the duration of the test. Figures L-4 through L-11 are plots of vacuum pressure over time for the monitoring wells for each test, Figures L-12 through L-19 are plots of extraction well flow data over time for each test, and Figures L-20 through L-27 are 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-4 through L-11 along with the monitoring data. Table L-1 gives the distance in feet from the extraction well to each monitoring well for each test. Where bottom of screen was at or below 150 ft below ground surface (bgs), the barometric effect was very pronounced. Where bottom of screen was above 150 ft bgs, the barometric effect was noticeable, but fluctuations in pressure were much smaller.

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 is presented in Table L-2.

During extraction, vacuum pressure was monitored on 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-4.

Extraction well flow data for the duration of ROI test SWTKAFB106121-450 is plotted on Figure L-13. 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 standard cubic feet per minute (SCFM) to 90 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 is plotted on Figure L-21. The concentration of CO remained at 0% for the duration of the test. CO_2 concentration varied between 0.34 and 0.56%. O_2 concentration varied between 17.31 and 18.55%. Total hydrocarbon concentration, as measured by the Horiba Mexa-584L, ranged from 3030 to 4590 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 is presented in Table L-3.

During extraction, vacuum pressure was monitored at wells SVEW-02 through SVEW-09. Depths of these wells range from 60 to 460 ft bgs (Table L-3). 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 SWTSVEW-01 is plotted on Figure L-14. 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 off. Air flow velocity of the vapor was out of range of the hot-wire anemometer. Consequently, volumetric flow was taken directly from the engine readouts. Volumetric flow from the extraction well ranged from 70 to 80 standard cubic feet per minute (SCFM) for the duration of the test. The temperature rose from approximately 52 to 78 ^{o}F by the end of the test.

Extraction well vapor data for the duration of ROI test SWTSVEW-01 is plotted on Figure L-22. Total hydrocarbon concentrations necessitated vapors being diluted ten times (10X) prior to taking measurements. The concentration of CO remained at 0% for the duration of the test. CO_2 concentration varied between 0.26 and 0.66%, and O_2 concentration varied between 20.09 and 20.38%. Total hydrocarbon concentration ranged from 6060 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 is presented in Table L-4.

During extraction, vacuum pressure was monitored at 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-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-05 is plotted on Figure L-15. 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 taken 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 taken 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 is plotted on Figure L-23. Because of the high air flow velocity, vapor was collected in a sample bag before measurements were made. The concentration of CO remained at 0% for the duration of the test. CO_2 concentration varied between 1.42 and 3.3%, and O_2 concentration varied between 16.05 and 18.52%. Total hydrocarbon concentration ranged from 1370 to 2360 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 is presented in Table L-5.

During extraction, vacuum pressure was monitored on all other well depths at 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-7.

Extraction well flow data for the duration of ROI test SWTKAFB106117-450 is plotted on Figure L-16. 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 is plotted on Figure L-24. 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. CO_2 concentration varied between 0.14 to 0.19%, and O_2 concentration varied between 20.33 and 21.2%. Total hydrocarbon concentration 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 is presented in Table L-6.

During extraction, vacuum pressure was monitored on all other well depths at 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-8.

Extraction well flow data for the duration of ROI test SWTKAFB106149-484 is plotted on Figure L-17. 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 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 is plotted on Figure L-25. 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. CO_2 concentration varied between 0.18 and 0.3%, and O_2 concentration varied between 20.25 and 20.61%. Total hydrocarbon concentration ranged from 9200 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 is presented in Table L-7.

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-7). Vacuum 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 5DTKAFB106121-450 is plotted on Figure L-18. 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 is plotted on Figure L-26. The concentration of CO remained at 0% for the duration of the test. CO_2 concentration varied between 0.52 and 0.6%, and O_2 concentrations varied between 17.24 and 17.41%. Total hydrocarbon concentration ranged from 4050 to 4660 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 is presented in Table L-8.

A list of wells monitored for ROI test 5DTSVEW-05 is provided in Table L-1. All depths were monitored in each well cluster, and ranged from 25 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 5DTSVEW-05 is plotted on Figure L-19. Vacuum pressure recorded was the average of the vacuum pressures read 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 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 is plotted on Figure L-27. After the first two readings where vapors were collected in a sample bag, vapor data was measured directly from the sample port on the wellhead. The concentration of CO remained at 0% for the duration of the test. CO_2 concentrations varied from 1.76 to 3.86%, and O_2 concentrations ranged from 12.87 to 18.08%. Total hydrocarbons ranged from 2270 to 6270 ppm after the first two readings.

3.2.3 5DTKAFB106149-484

RSI SVE Unit 249 was used to extract soil vapor from 5DTKAFB106149-484 for approximately 96 hours during ROI test 5DTKAFB106149-484. All manual data collected for this test is presented in Table L-9.

A list of wells monitored for ROI test 5DTKAFB106149-484 is provided in Table L-1. All depths were monitored in each well cluster, and ranged from 20 to 450 ft bgs (Table L-9). 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 5DTKAFB106149-484 is plotted on Figure L-20. 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 is 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. CO_2 concentrations varied from 0.28 to 0.48%, and O_2 concentrations ranged from 19.88 to 20.52%. Total hydrocarbons ranged from 14,650 to 23,800 ppm. In addition, concentrations of H_2S and percent LEL were taken 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 any fresh air prior to measurements.

3.3 Ambient monitoring

Following ROI test 5DTKAFB106121-450, vacuum pressures on all monitoring wells for that test were monitored for one week. Data collected for this period is presented in Table L-10. Vacuum and barometric pressures are plotted on Figure L-11.

4. RESULTS

Results of the ROI tests will be presented in the 1st Quarter 2012 report.

APPENDIX L

Figures

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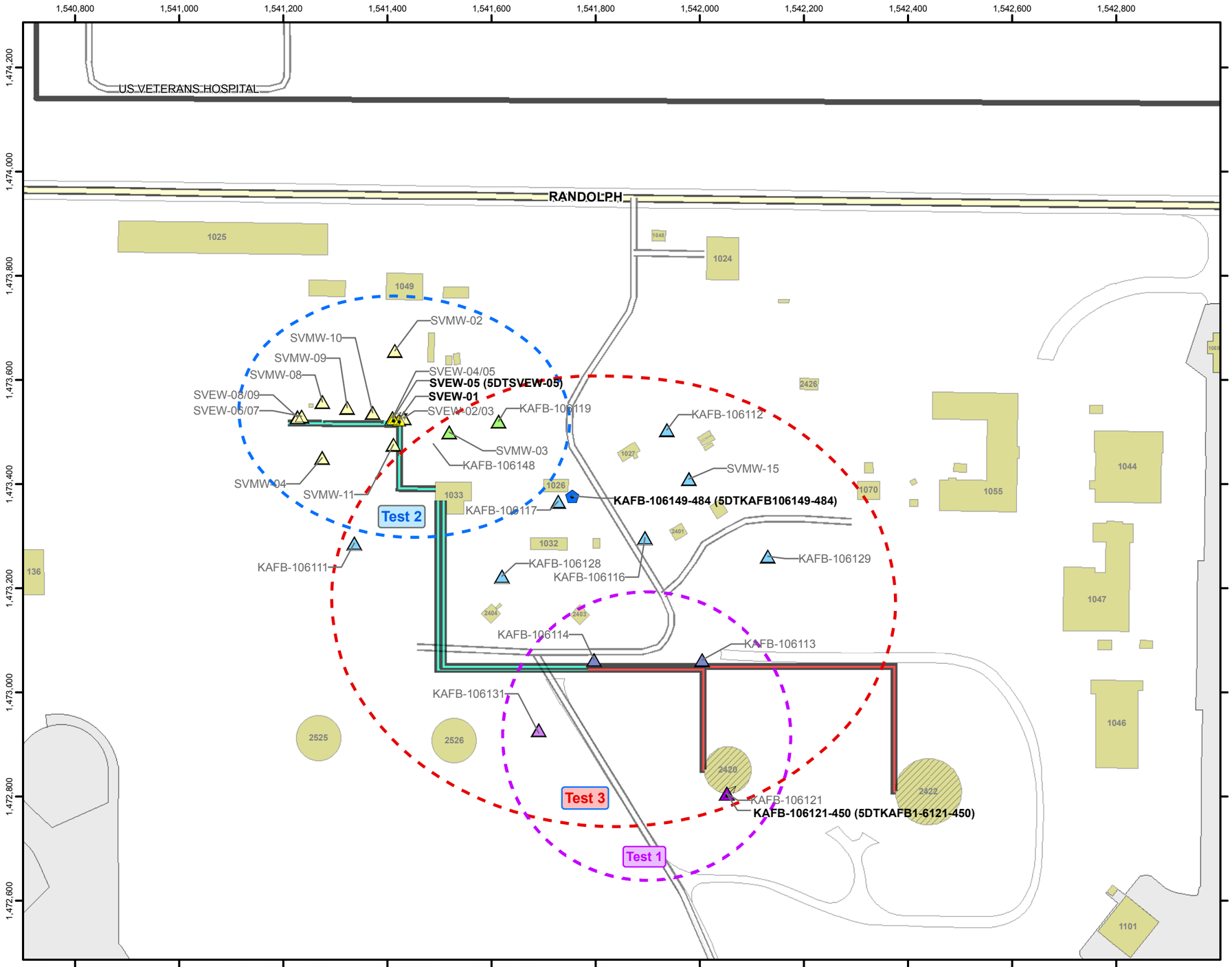
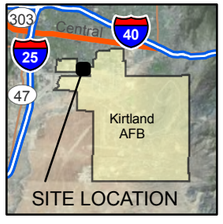


Legend

- 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.



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Revision Date: 03/16/11

0 100 200 400

Feet
1 inch = 200 feet

Projection : NAD83 State Plane New Mexico Central FIPS3002 Feet

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BULK FUELS FACILITY
KIRTLAND AIR FORCE BASE, NEW MEXICO

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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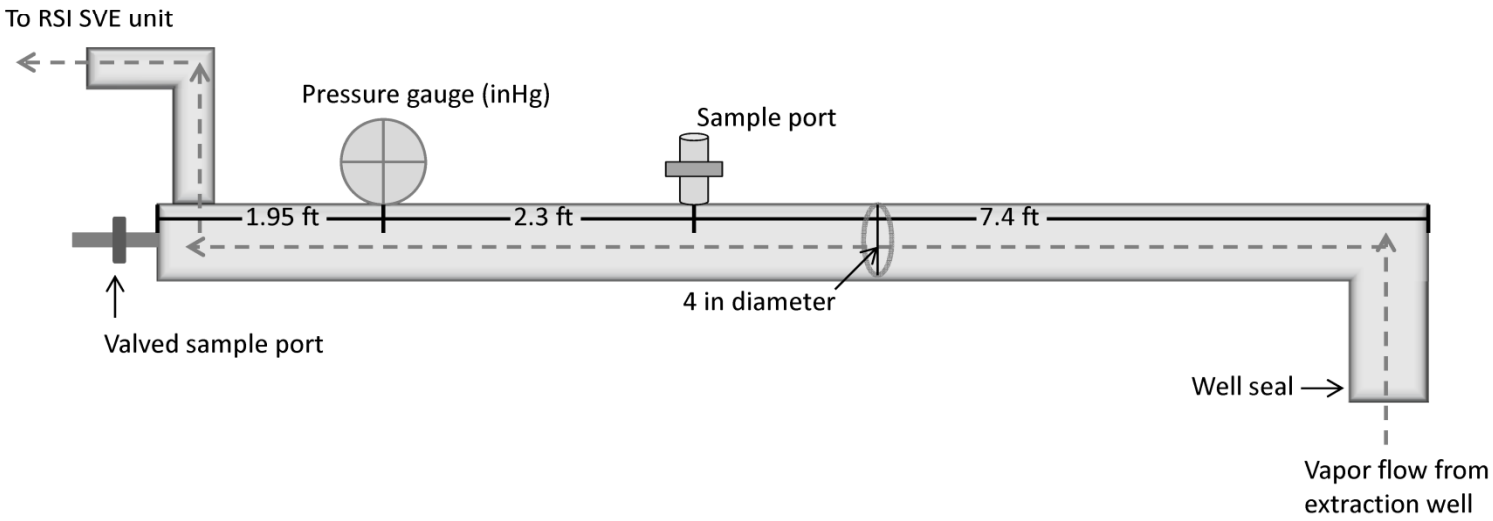

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FIGURE L-2

TEST WELLHEAD SETUP
FOR USE WITH
RSI SVE UNIT 249

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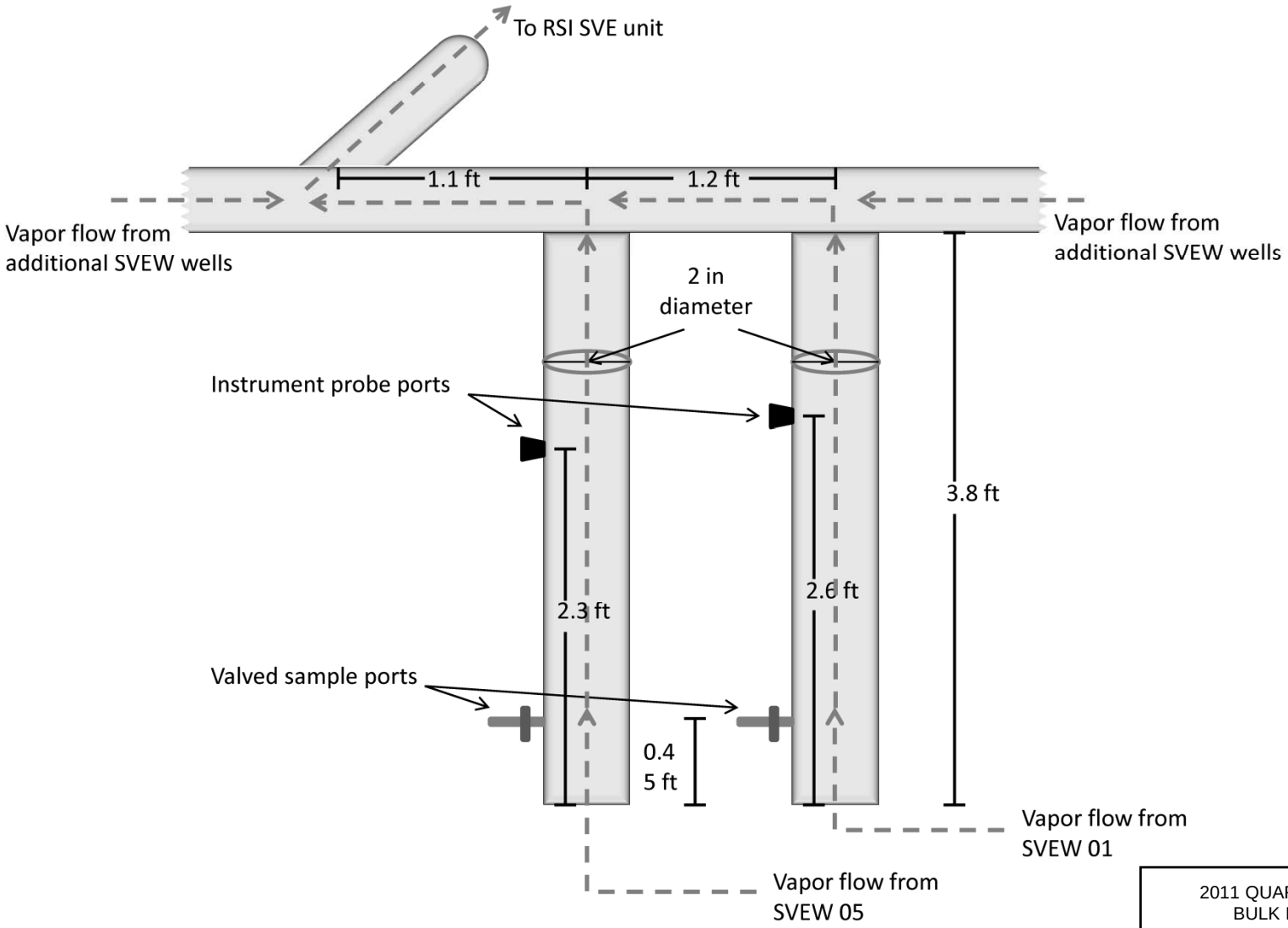

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FIGURE L-3

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

KAFB_052_well_const.ppt

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Figure L-4: Vacuum Pressure in Monitoring Wells for Test SWTKAFB106121-450

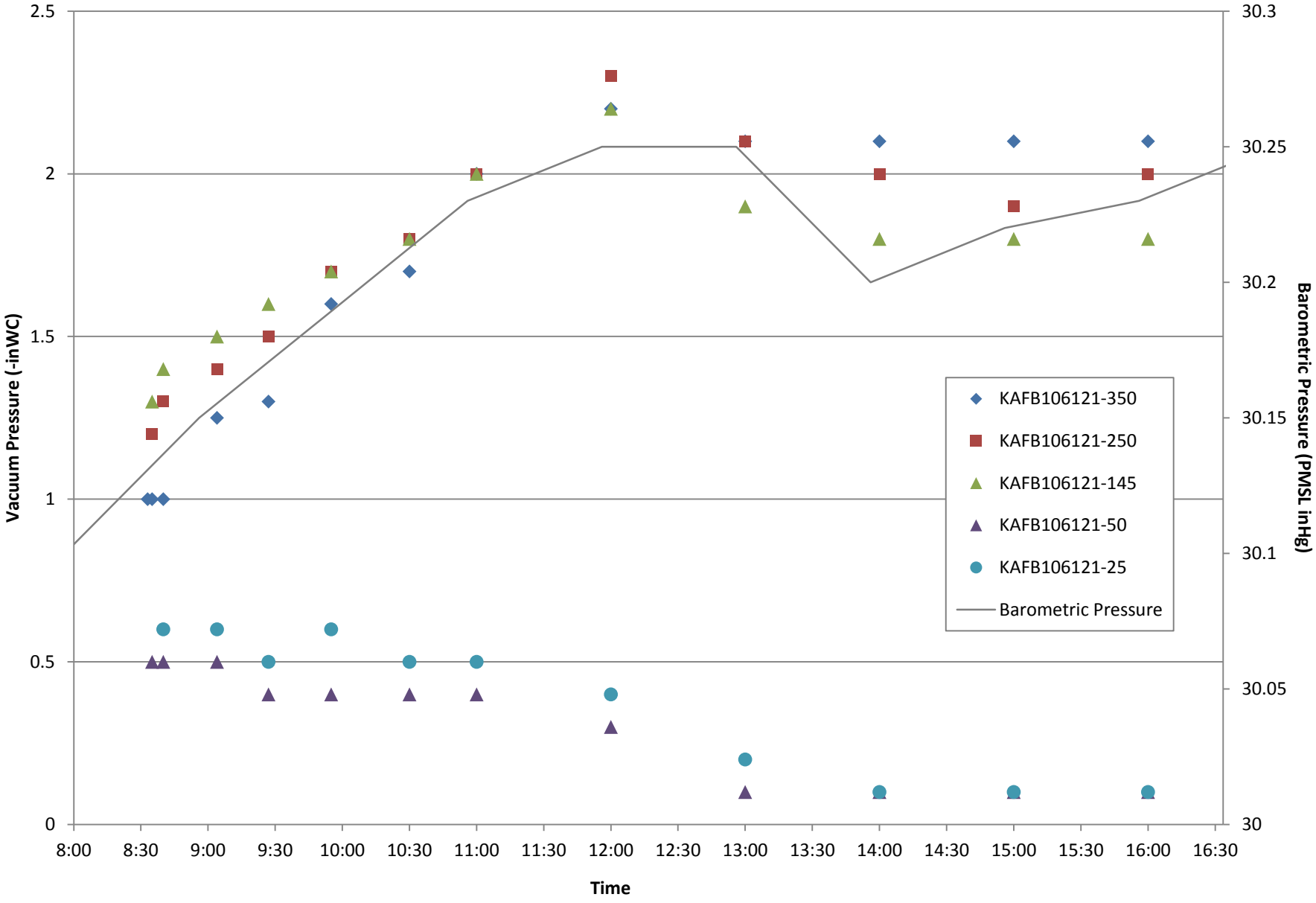

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Figure L-5: Vacuum Pressure in Monitoring Wells for Test SWTSVEW-01

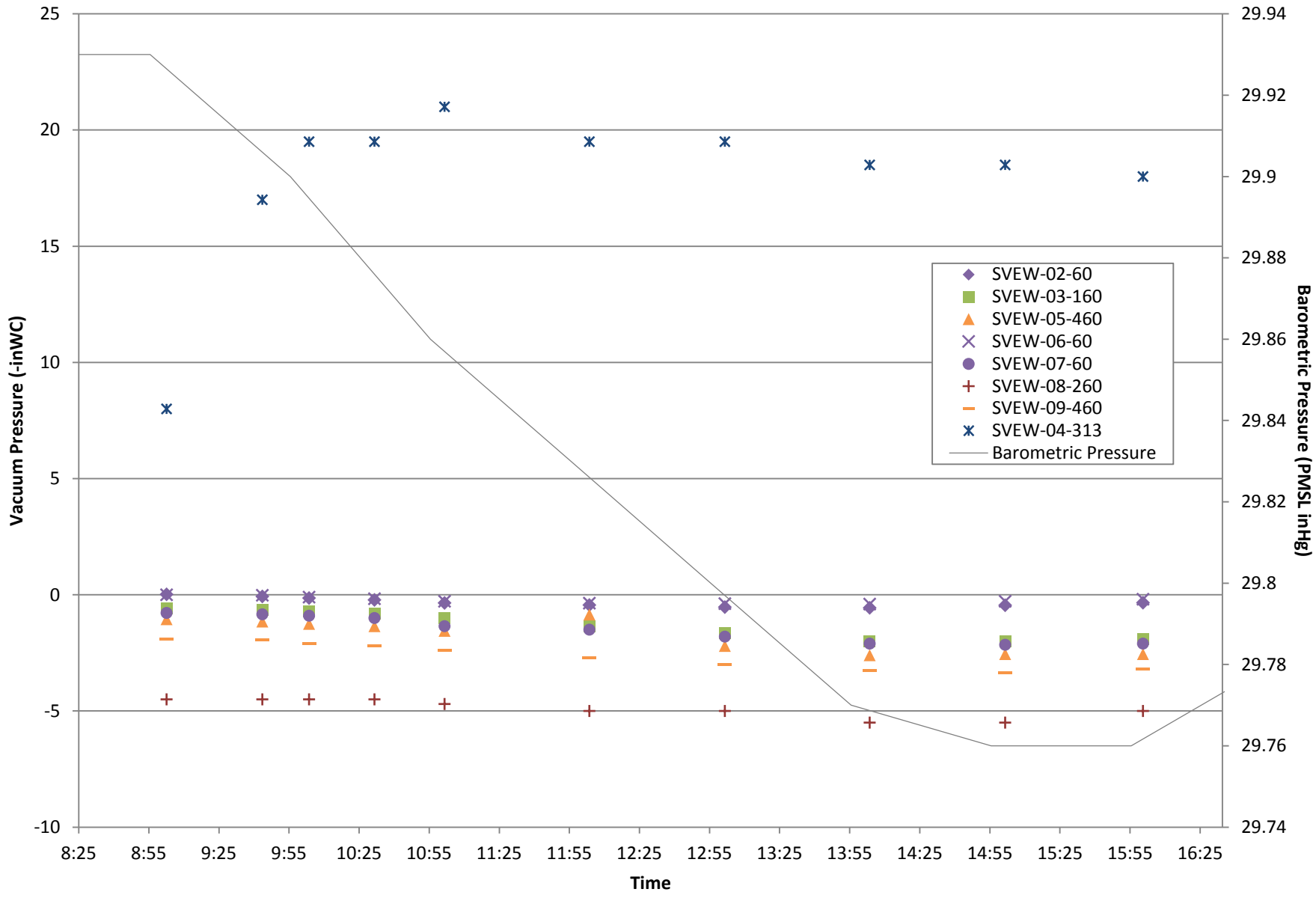

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Figure L-6: Vacuum Pressure in Monitoring Wells for Test SWTSVEW-05

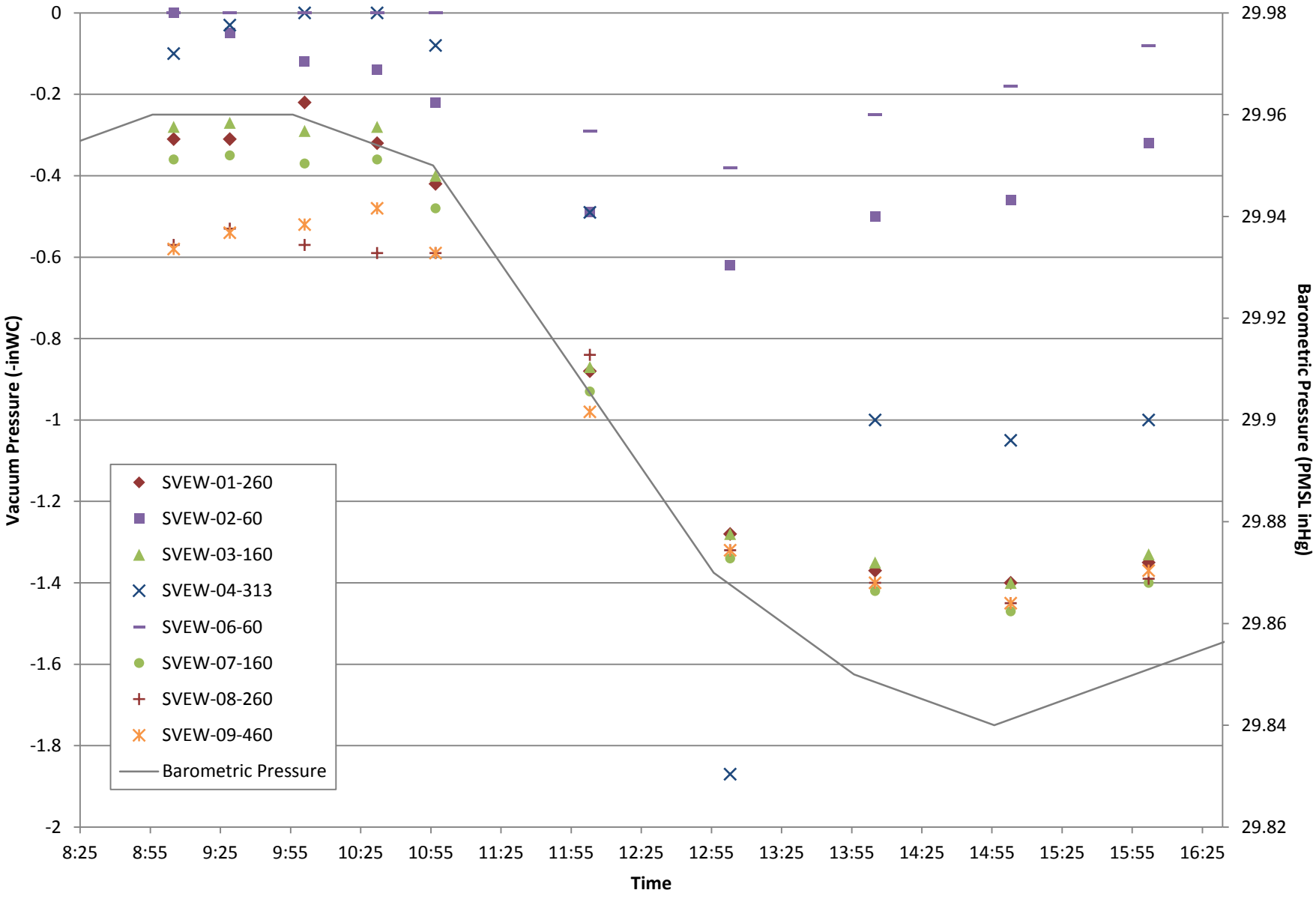

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Figure L-7: Vacuum Pressure in Monitoring Wells for Test SWTKAFB106117-450

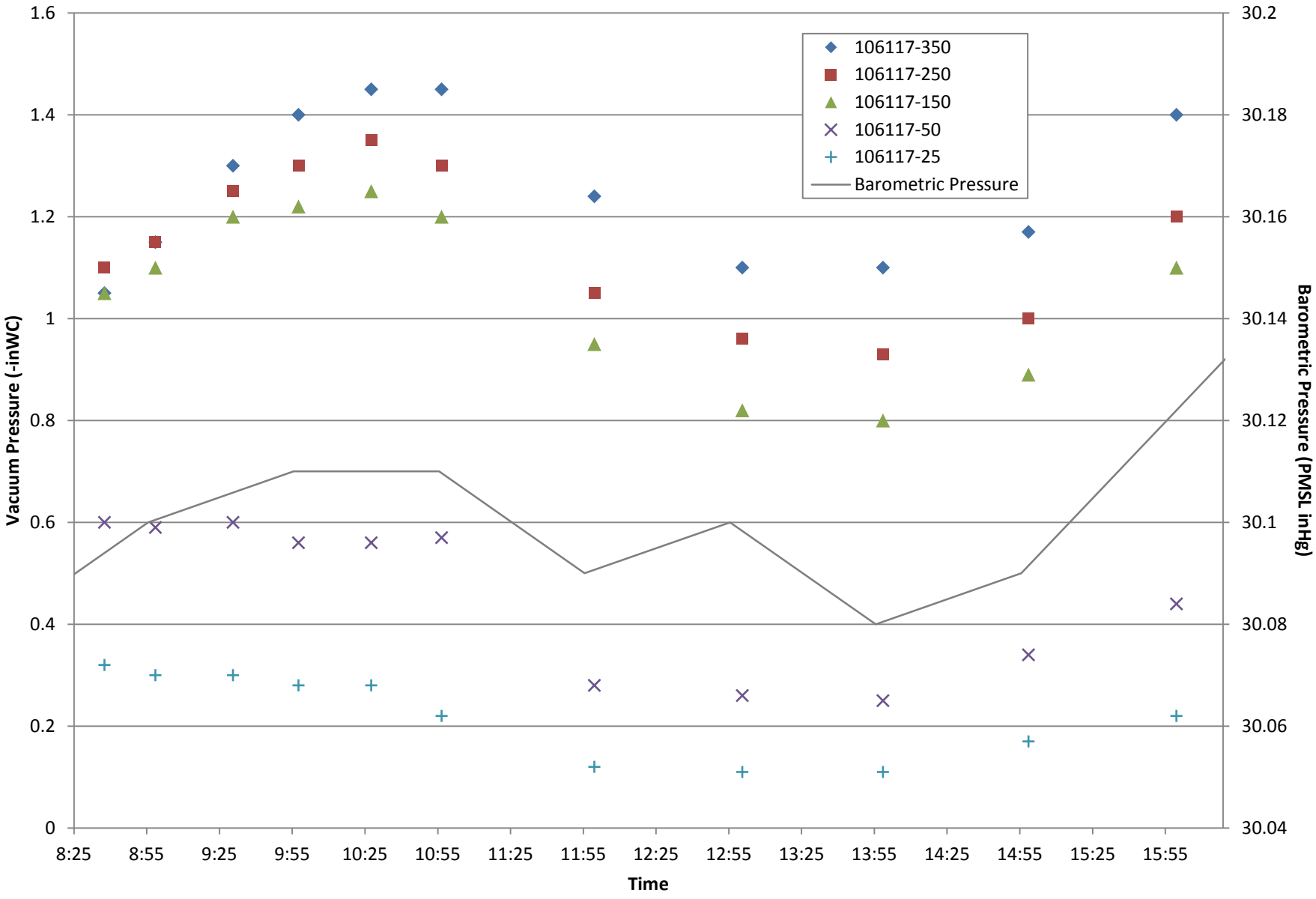

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Figure L-8: Vacuum Pressure in Monitoring Wells for Test SWTKAFB106149-484

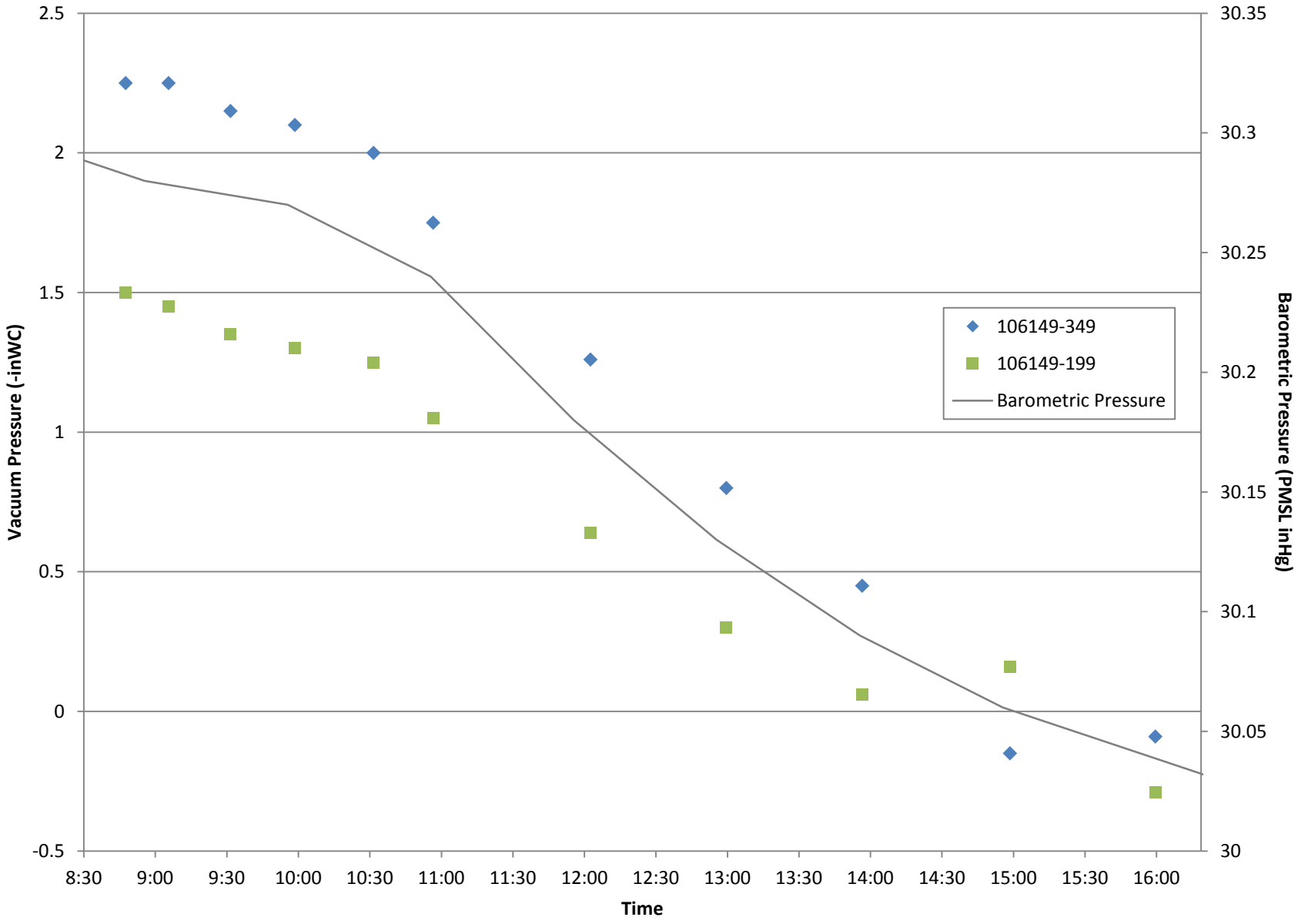

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Figure L-9: Vacuum Pressure in Monitoring Wells for Test5DTKAFB106121-450

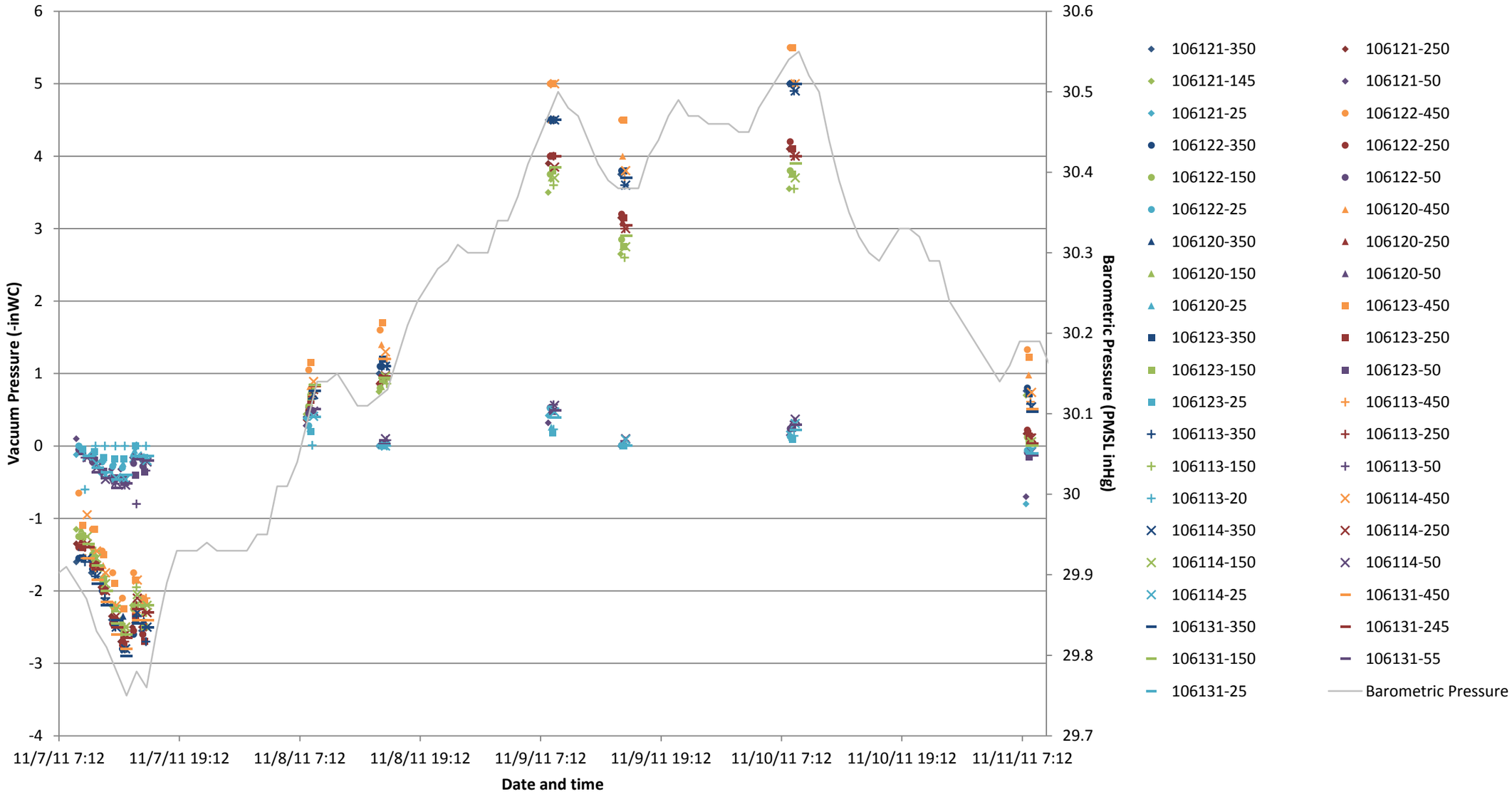

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Figure L-10: Vacuum Pressure in Monitoring Wells for Test 5DTSVEW-05

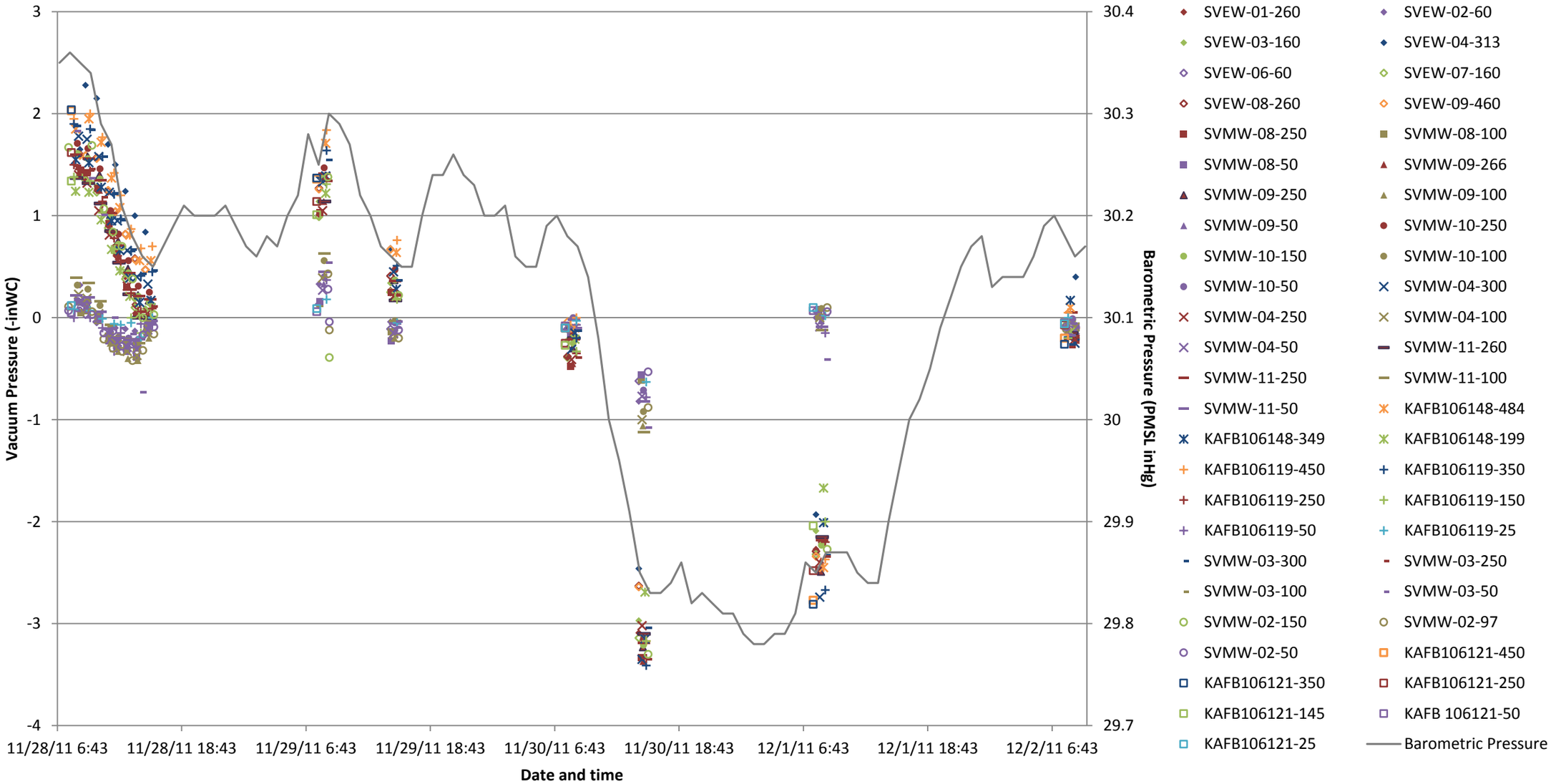

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Figure L-11: Vacuum Pressure in Monitoring Wells for Test 5DTKAFB106149-484

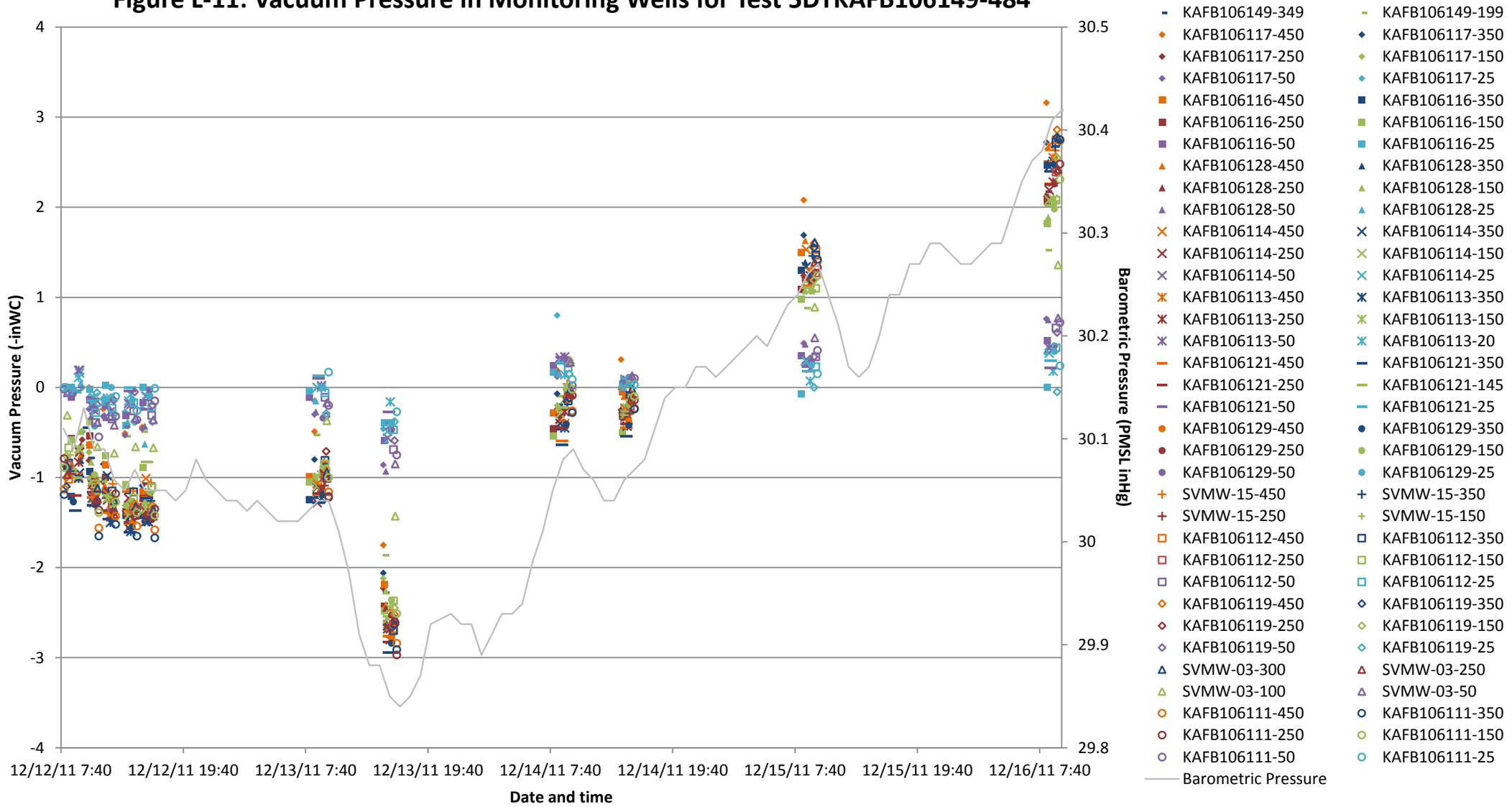

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Figure L-12 Vacuum Pressure in Monitoring Wells Following Test 5DTKAFB106121-450

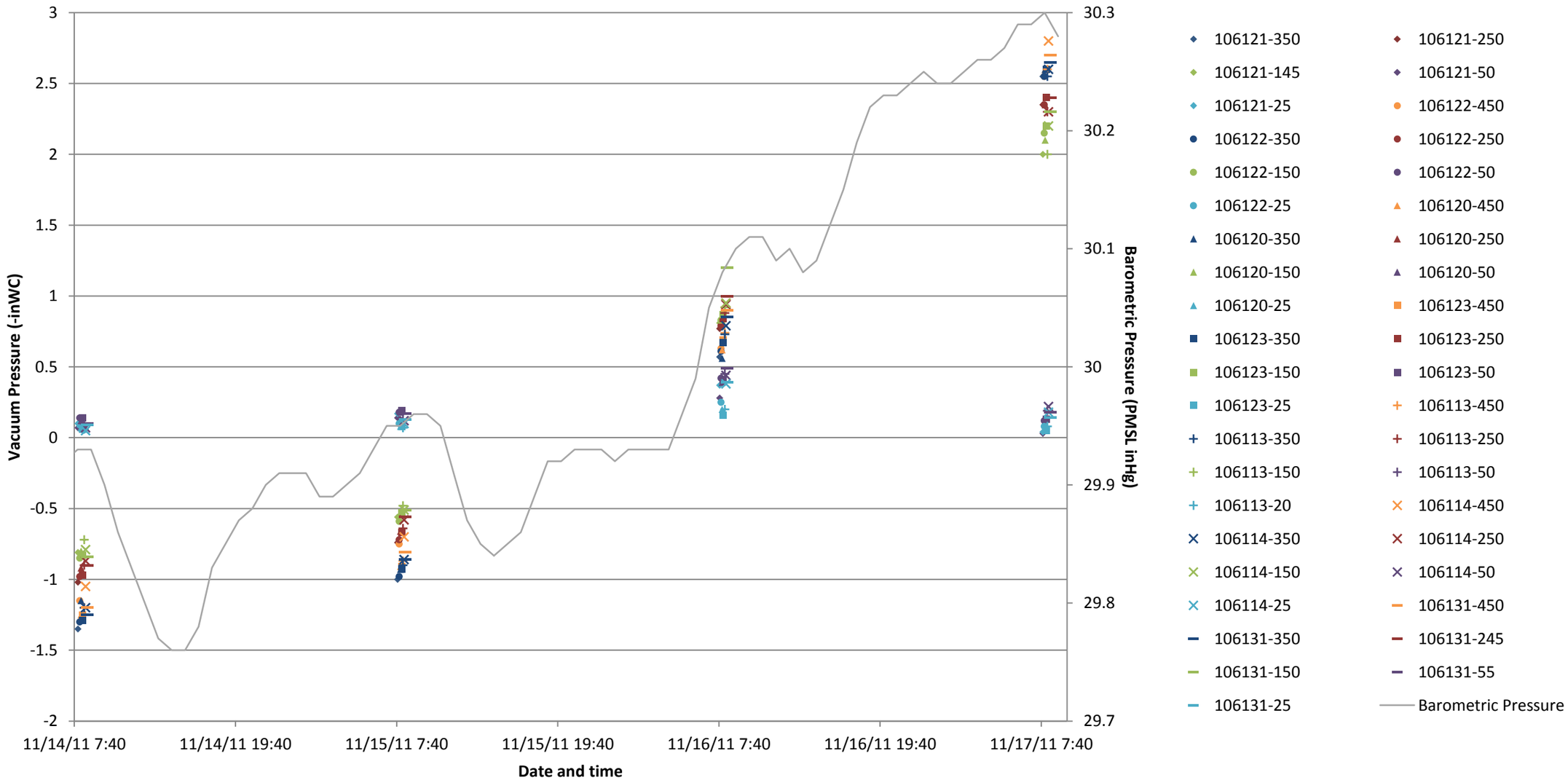

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Figure L-13: Extraction Well Flow Data for Test SWTKAFB106121-450

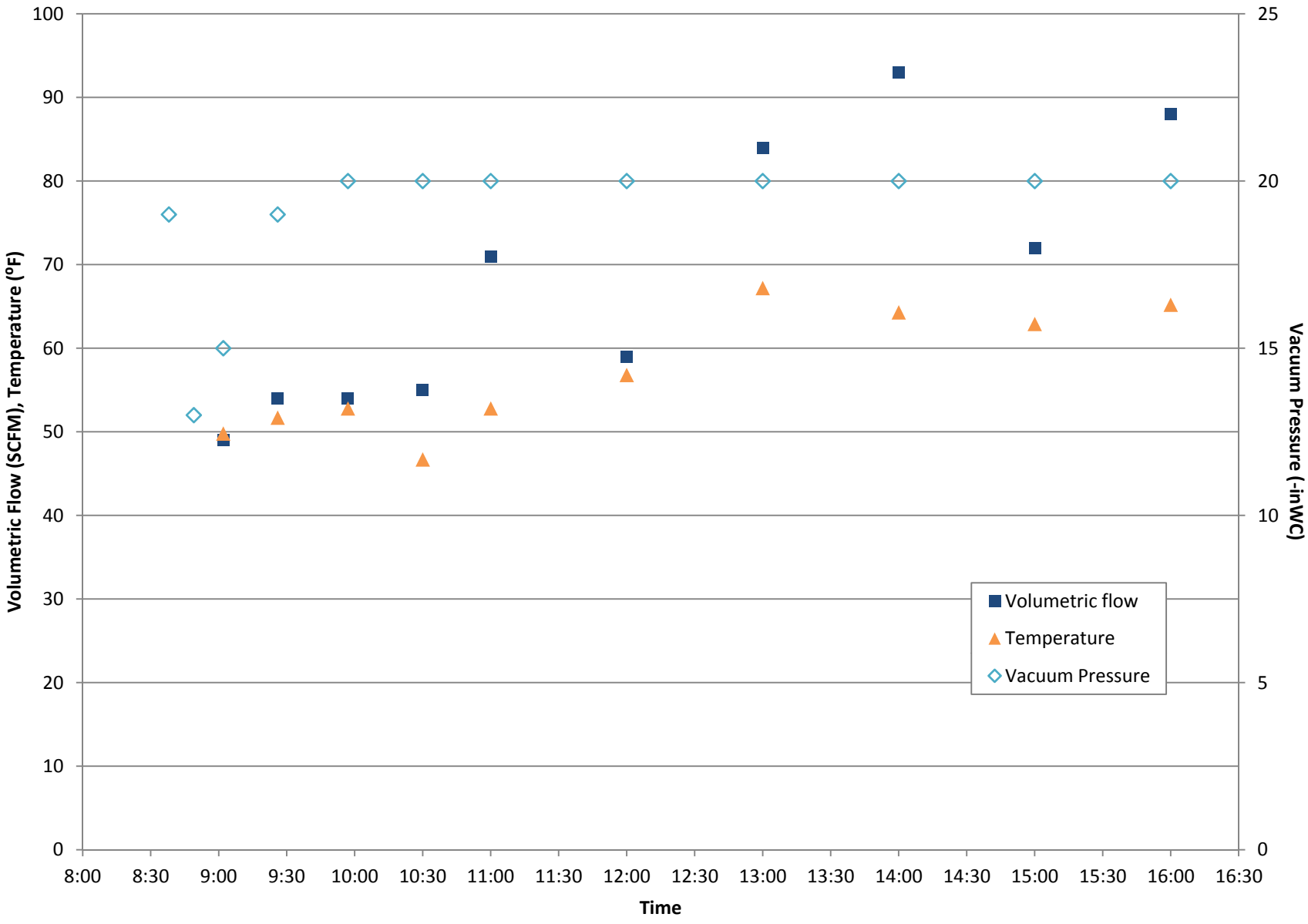

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Figure L-14: Extraction Well Flow Data for Test SWTSVEW-01

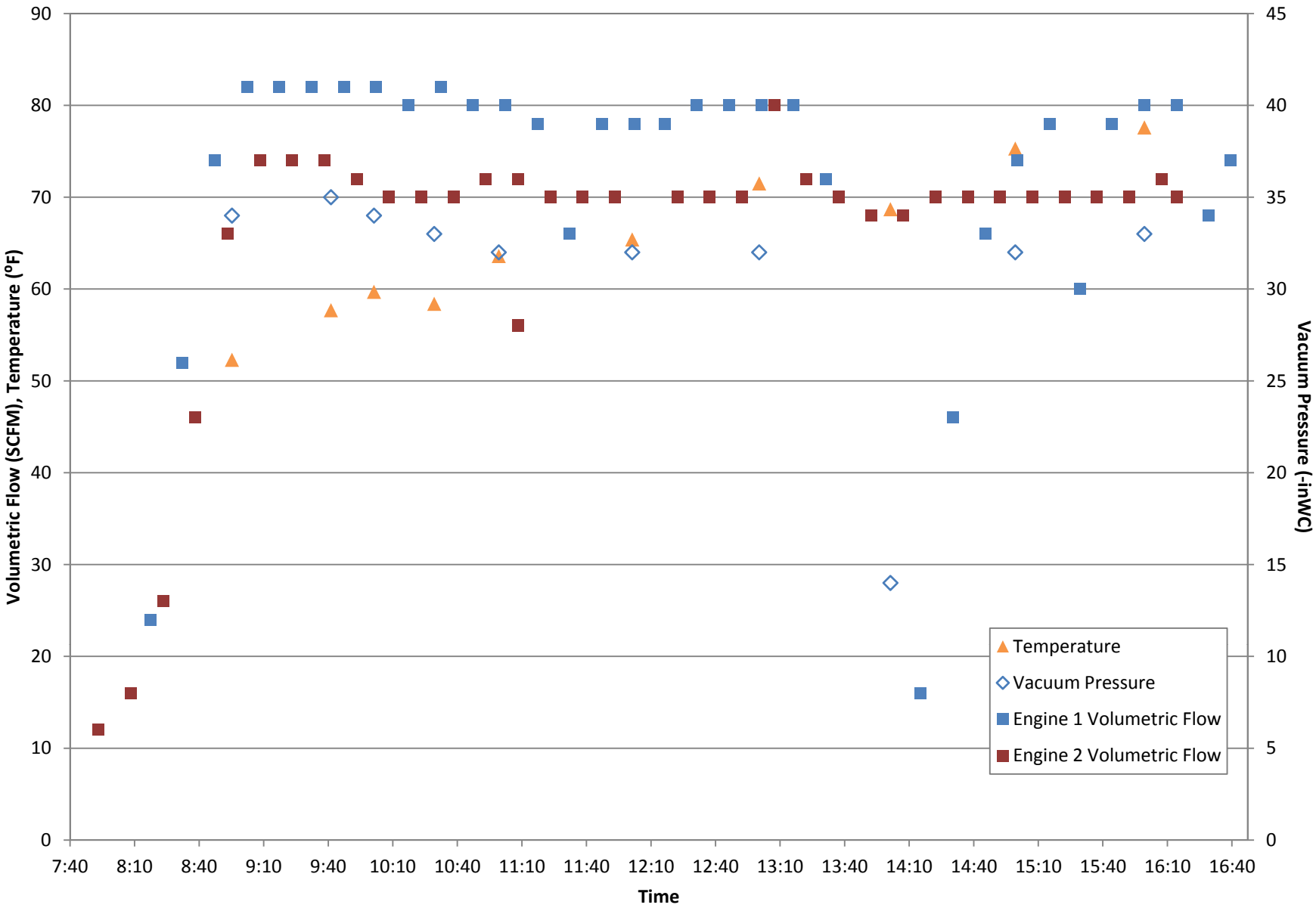

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Figure L-15: Extraction Well Flow Data for Test SWTSVEW-05

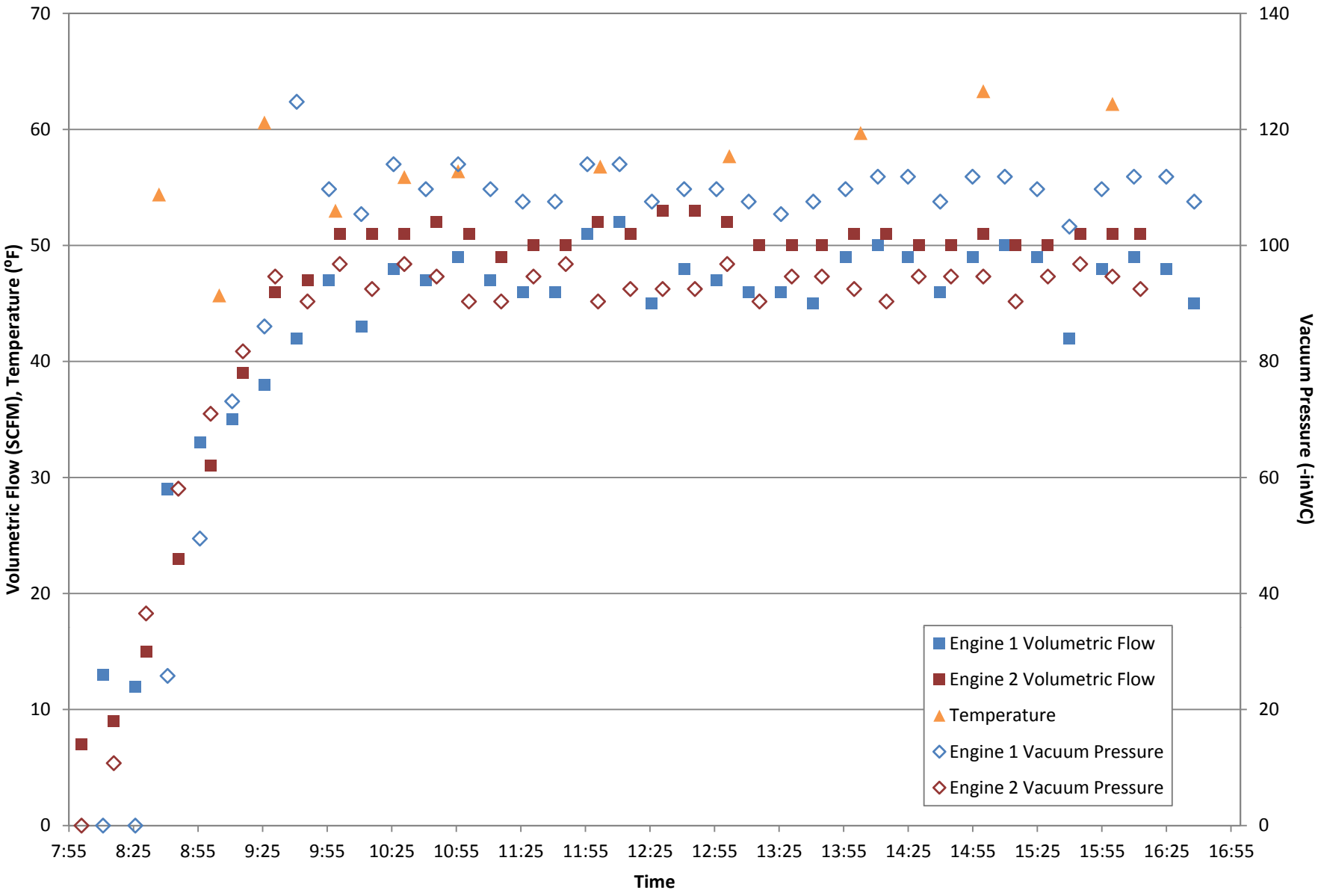

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Figure L-16: Extraction Well Flow Data for Test SWTKAFB106117-450

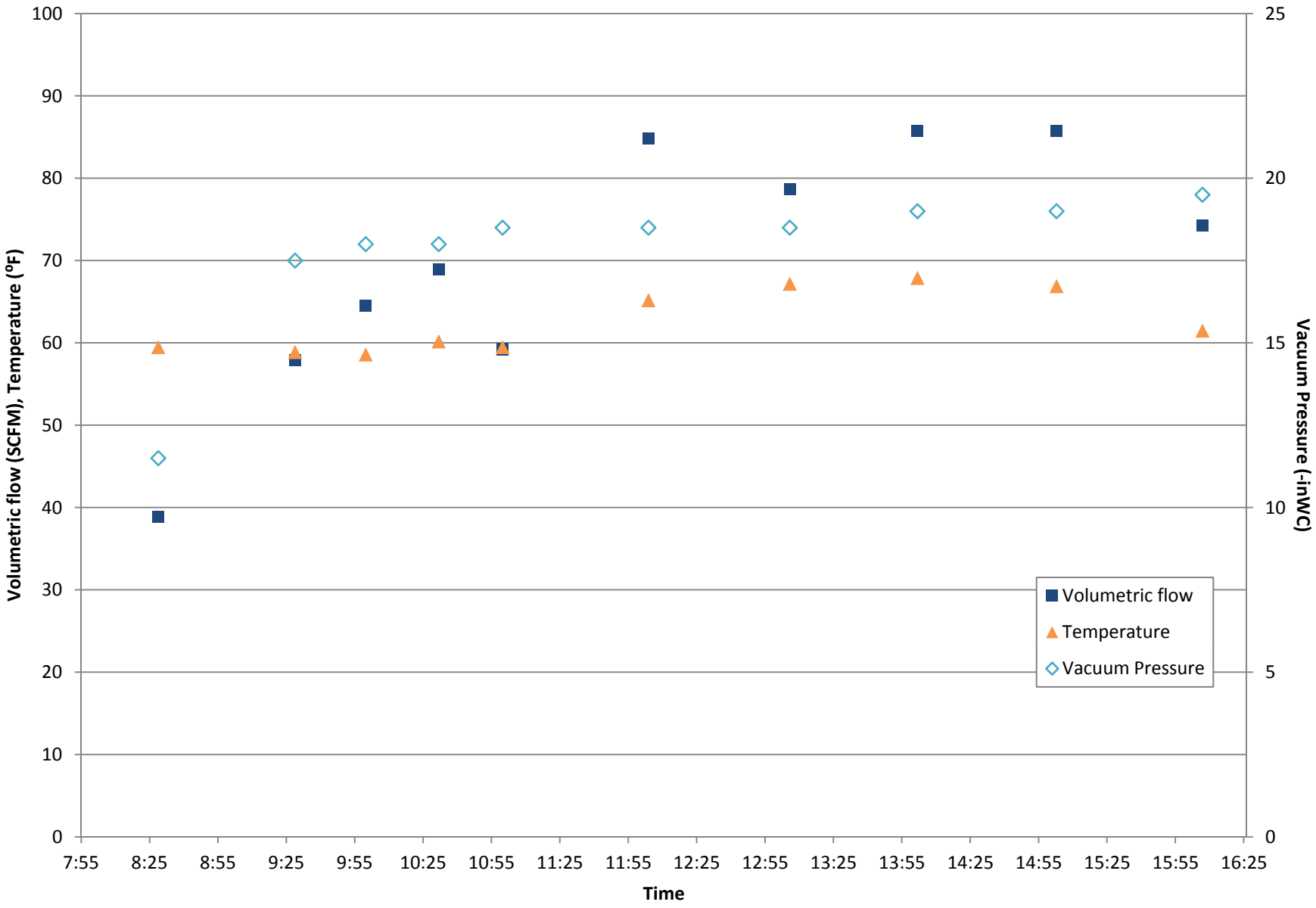

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Figure L-17: Extraction Well Flow Data for Test SWTKAFB106149-484

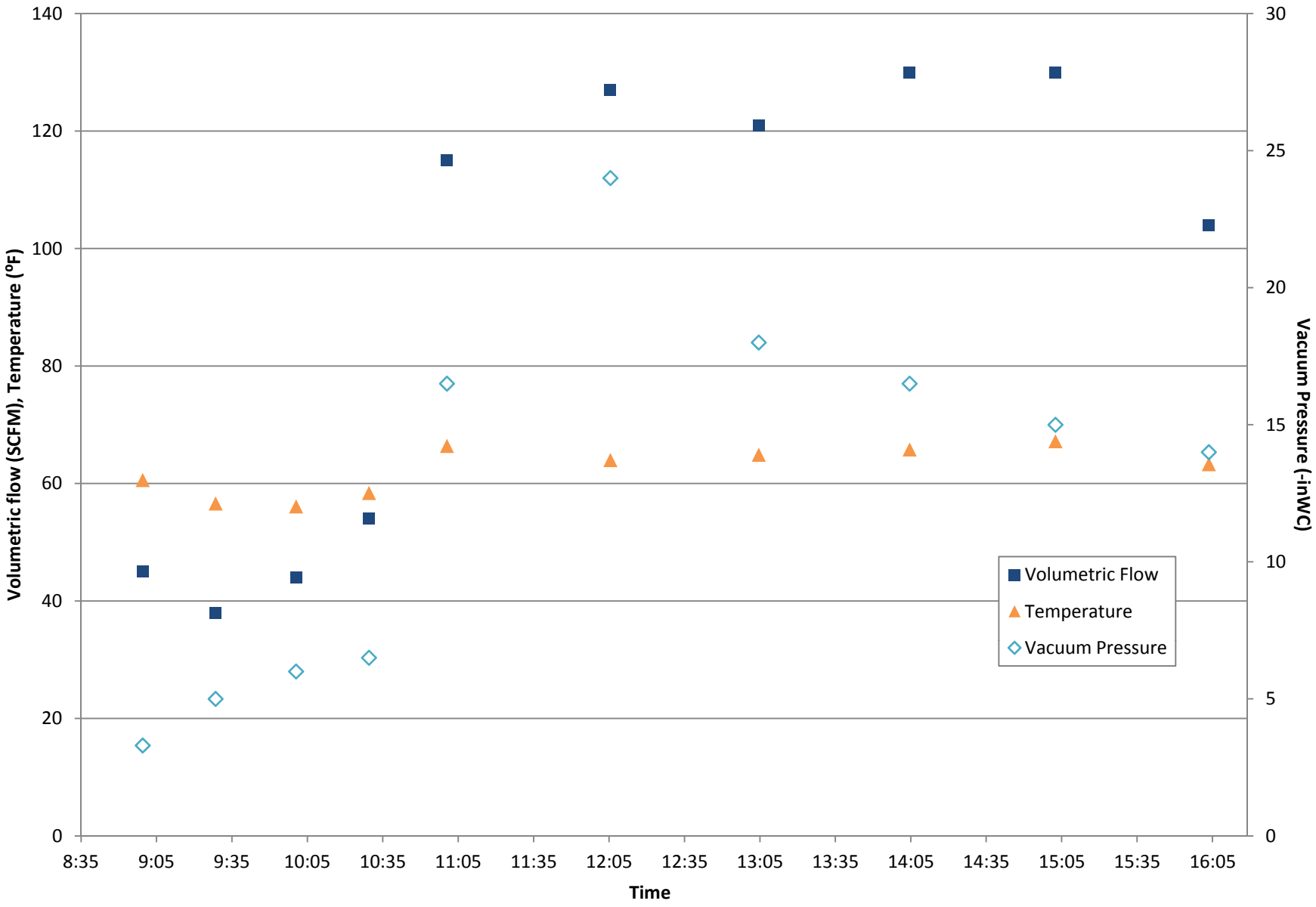

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Figure L-18: Extraction Well Flow Data for Test 5DTKAFB106121-450

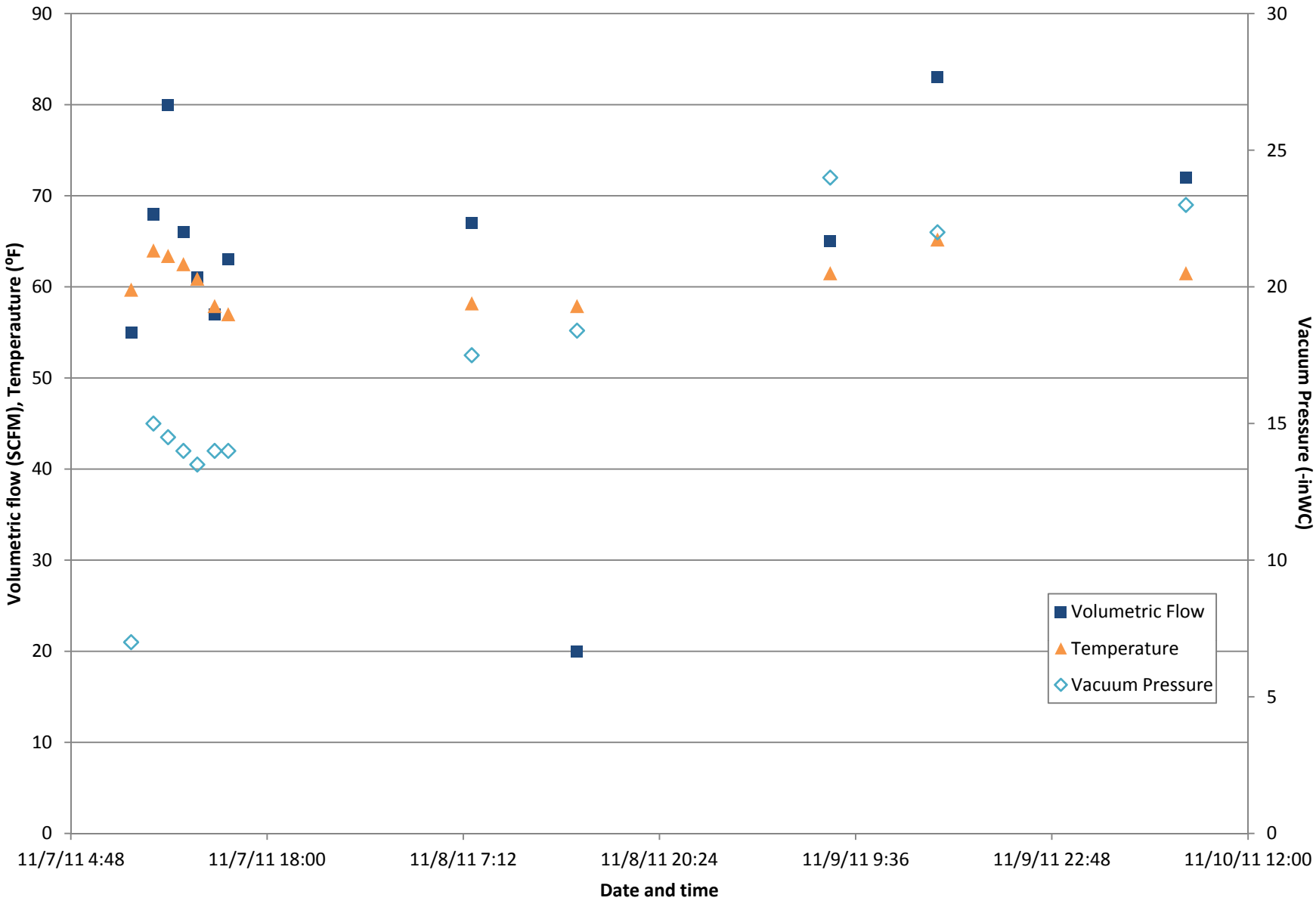

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Figure L-19: Extraction Well Flow Data for Test 5DTSVEW-05

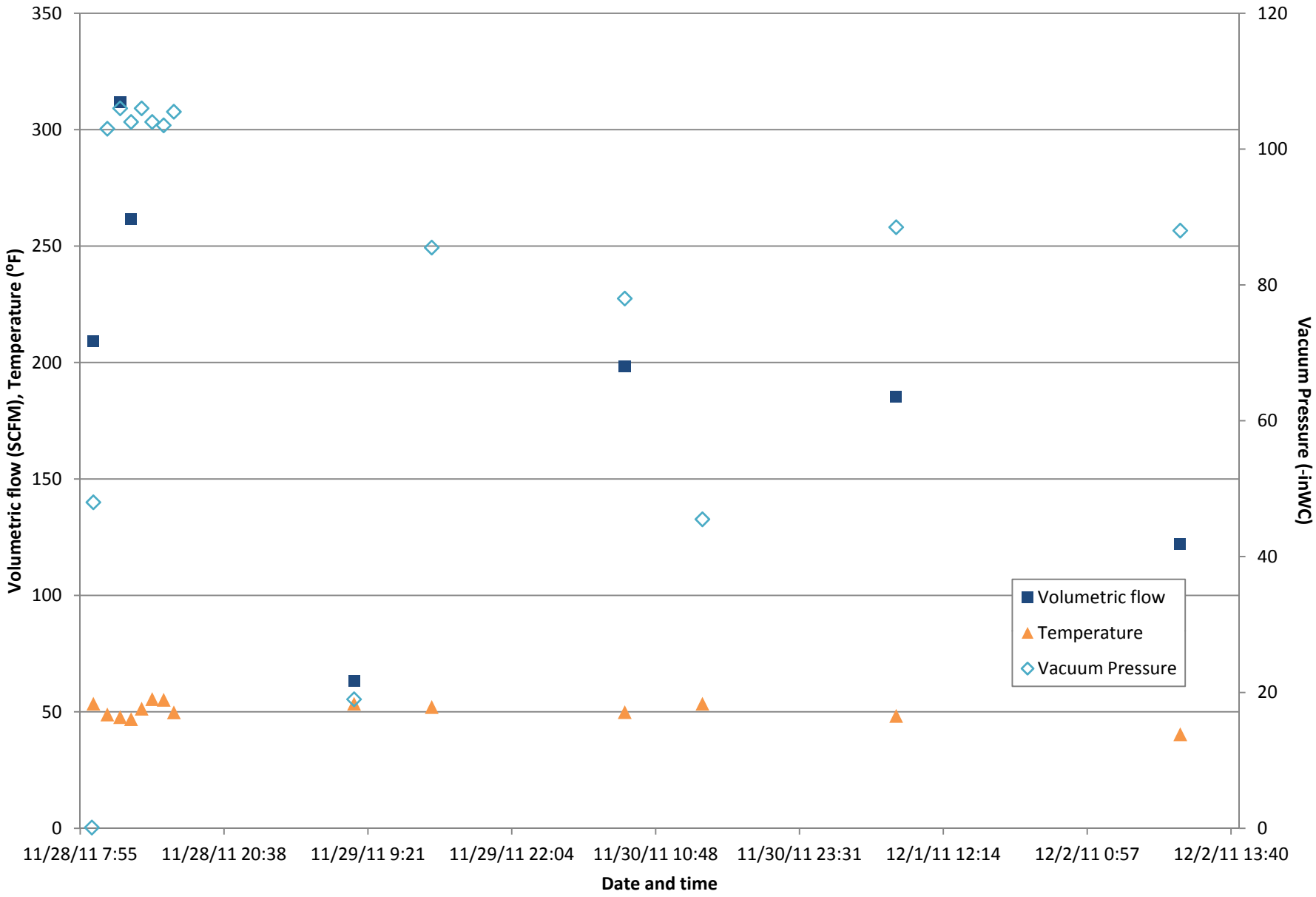

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Figure L-20: Extraction Well Flow Data for Test 5DTKAFB106149-484

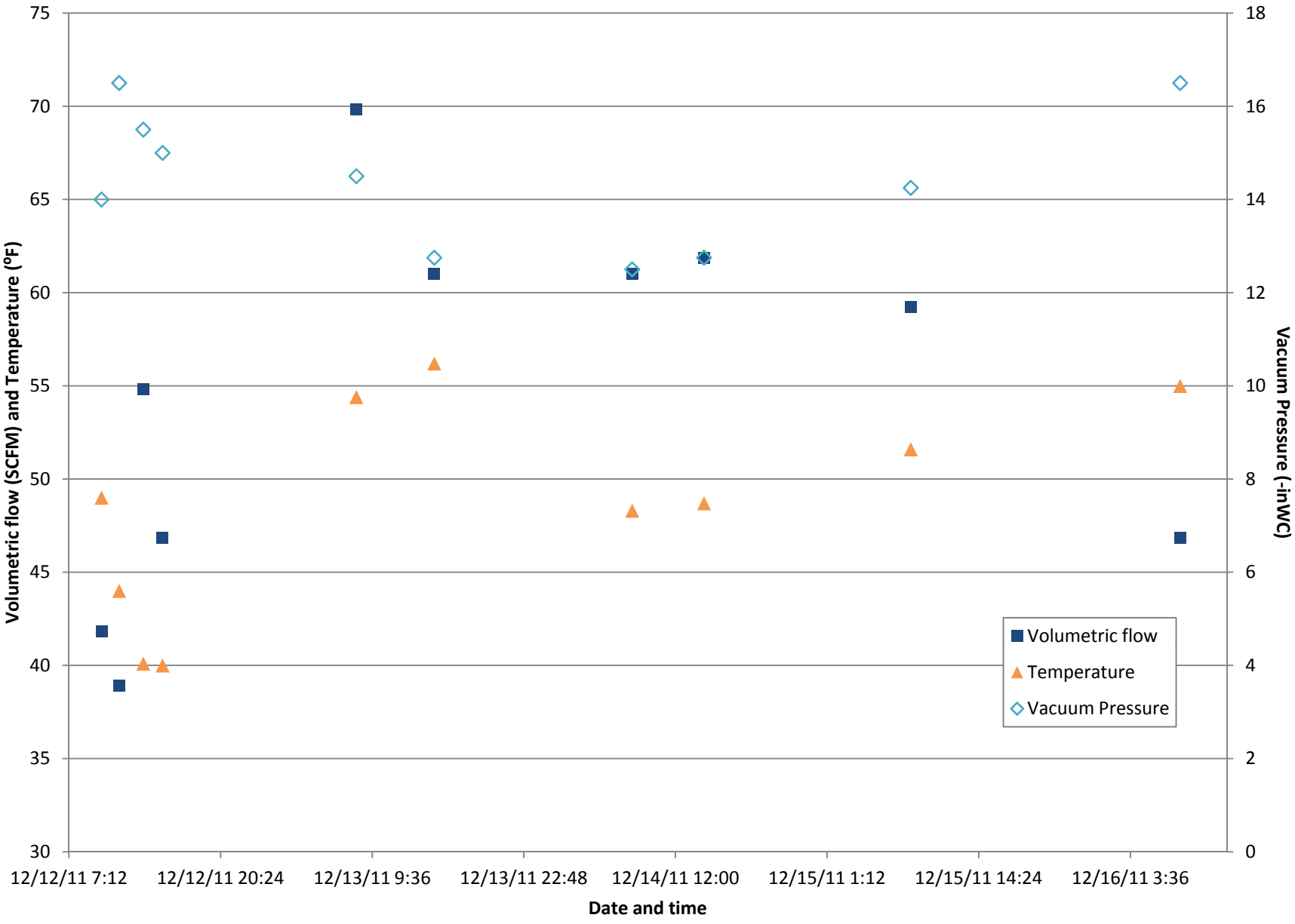

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Figure L-21: Extraction Well Vapor Measurements for Test SWTKAFB106121-450

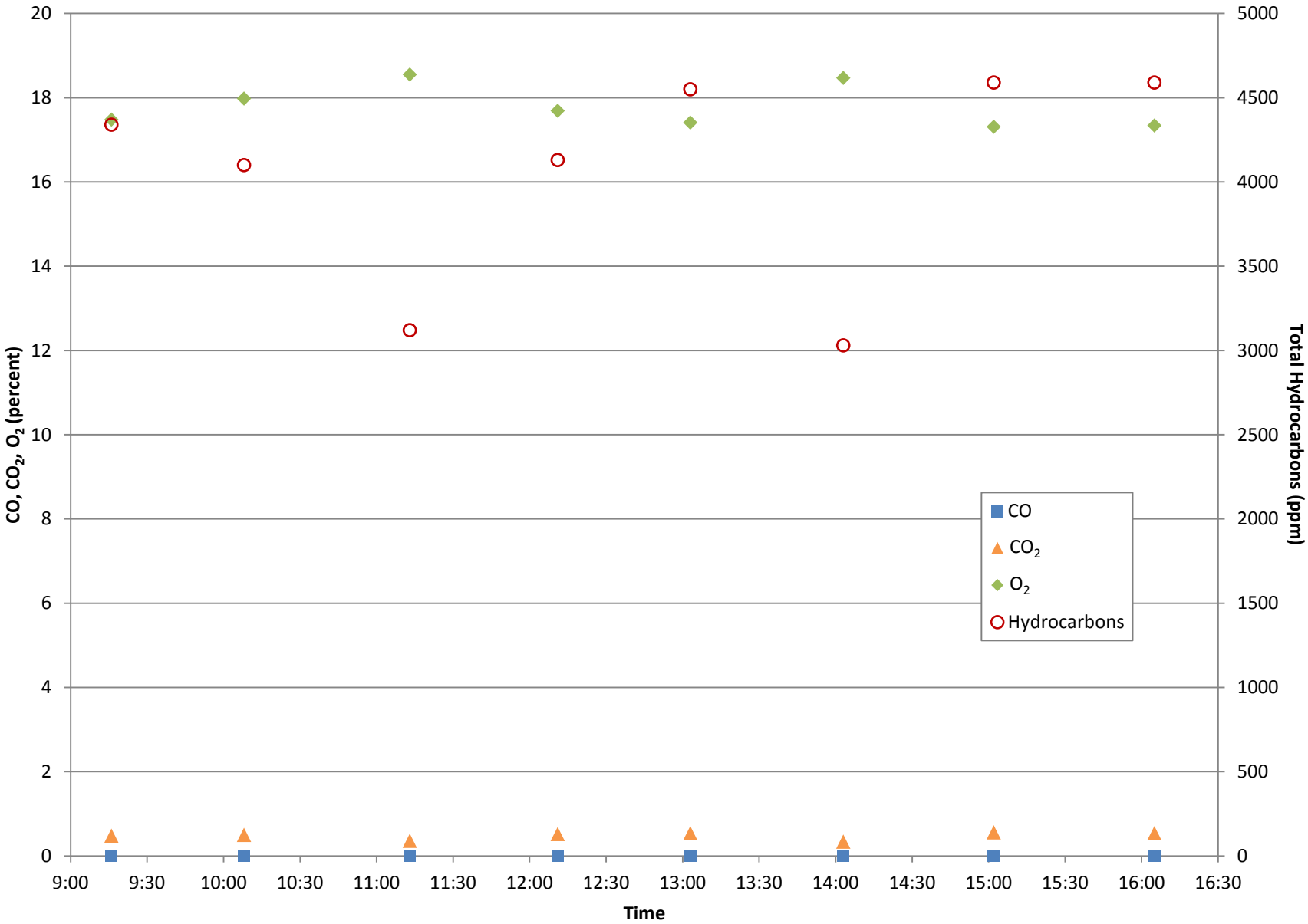

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Figure L-22: Extraction Well Vapor Measurements for Test SWTSVEW-01

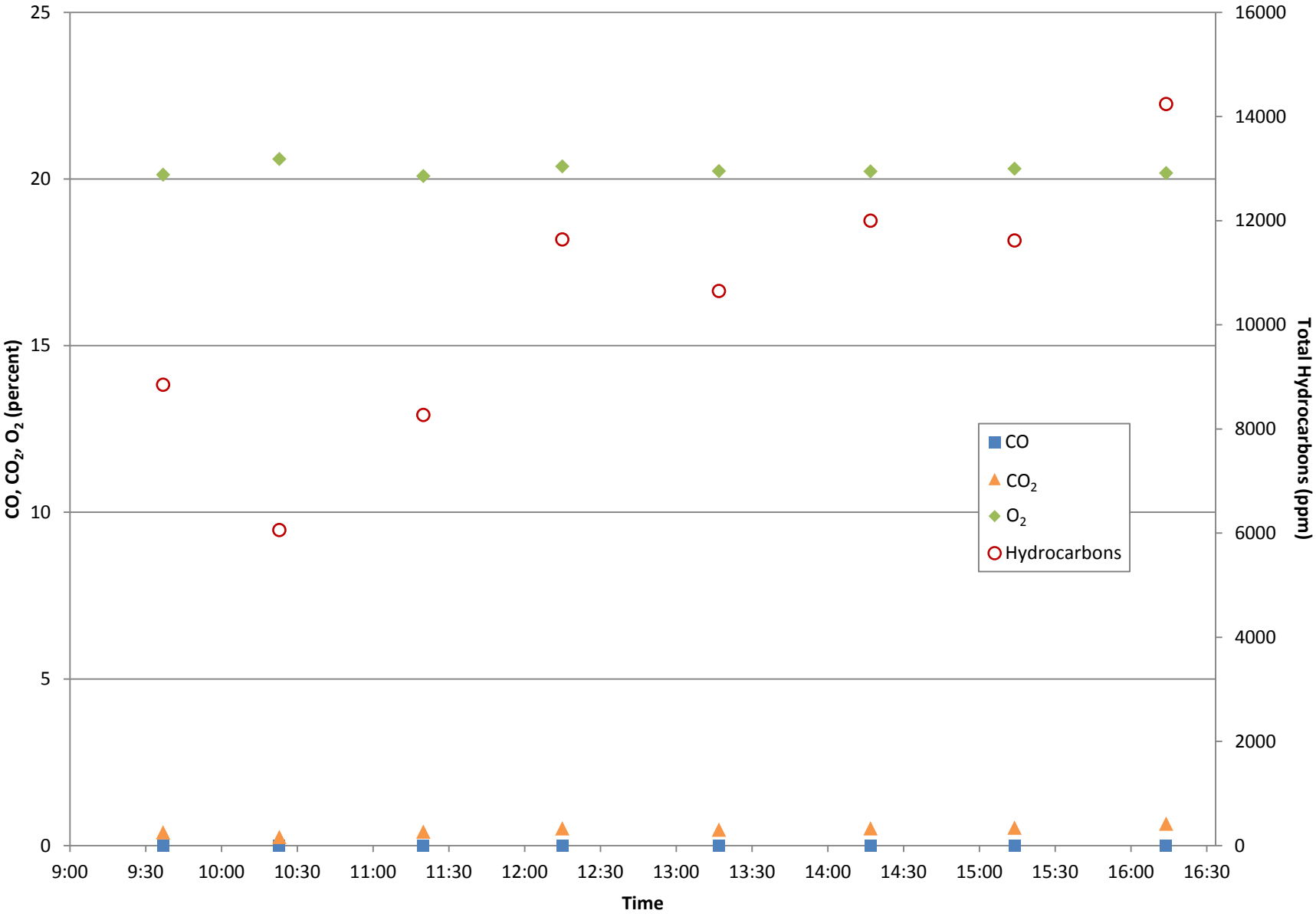

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Figure L-23: Extraction Well Vapor Measurments for Test SWTSVEW-05

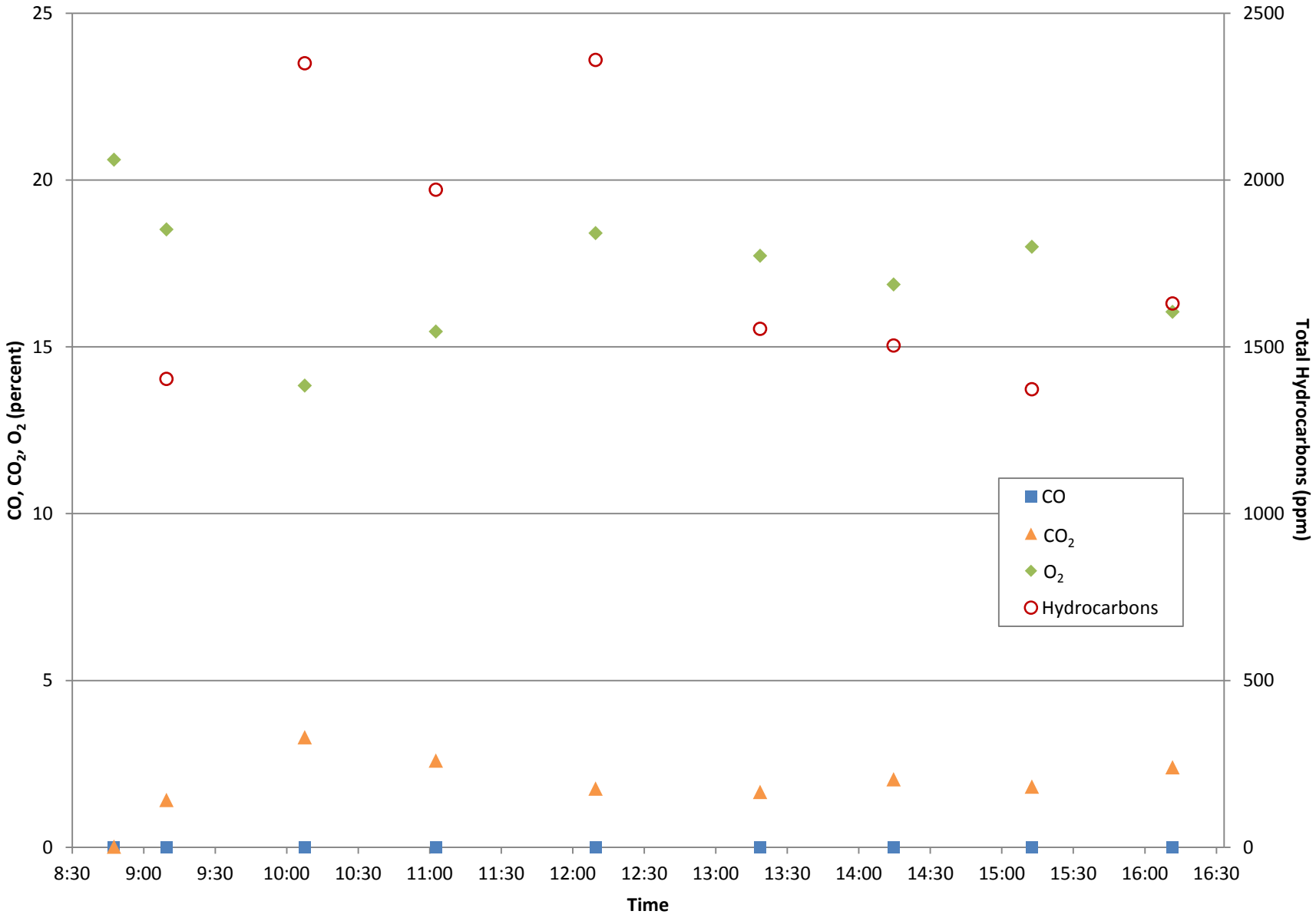

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Figure L-24: Extraction Well Vapor Measurements for Test SWTKAFB106117-450

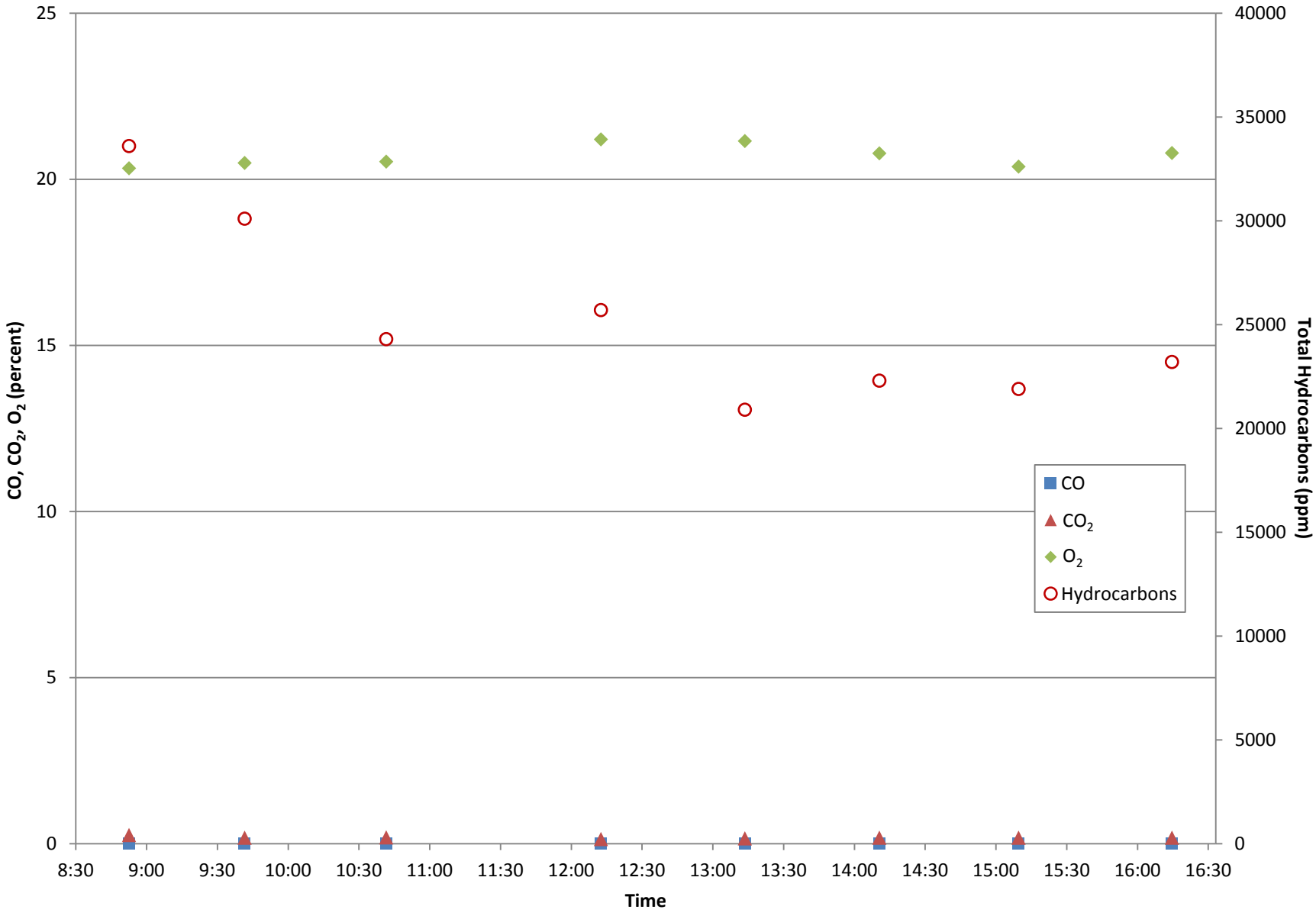

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Figure L-25: Extraction Well Vapor Measurements for Test SWTKAFB106149-484

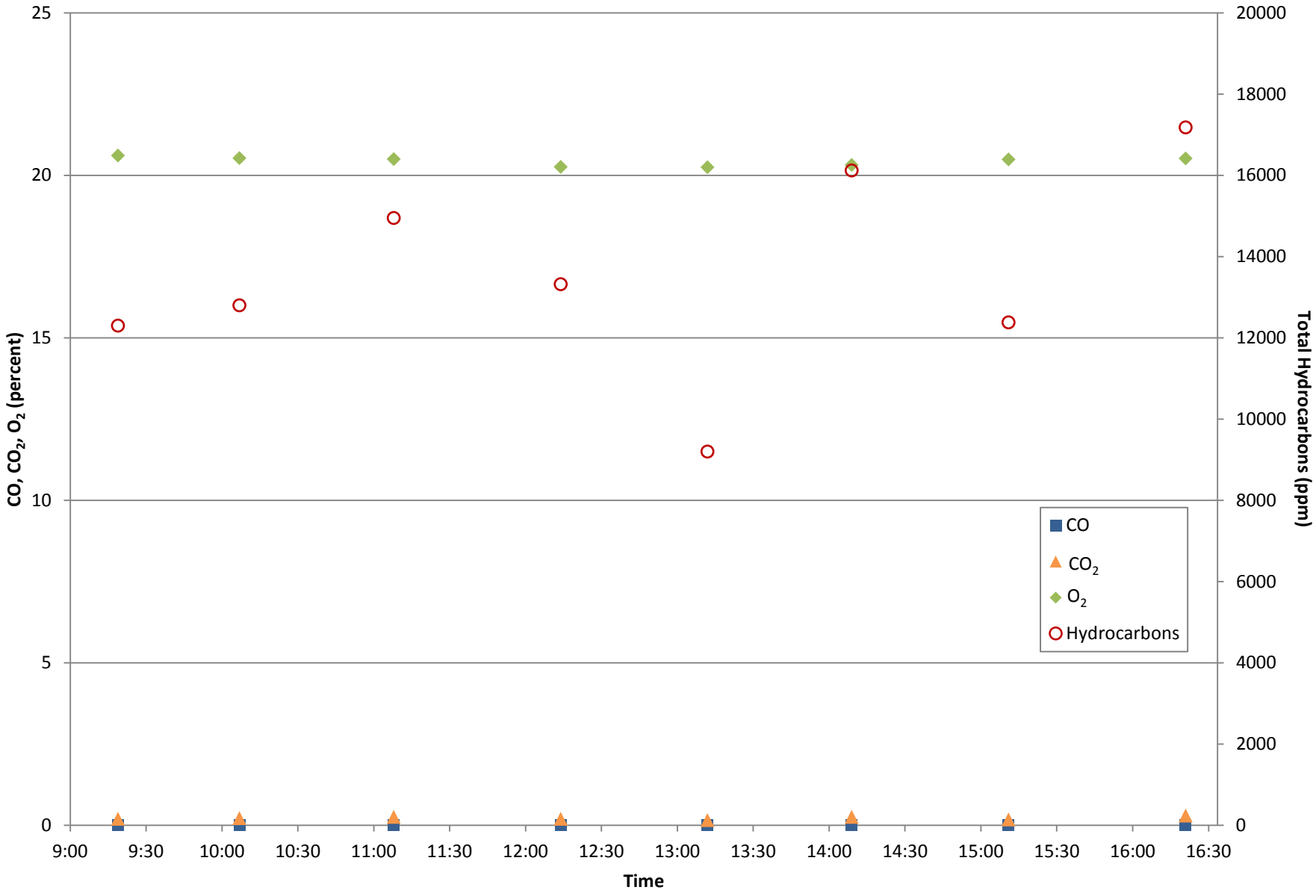

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Figure L-26: Extraction Well Vapor Measurements for Test 5DTKAFB106121-450

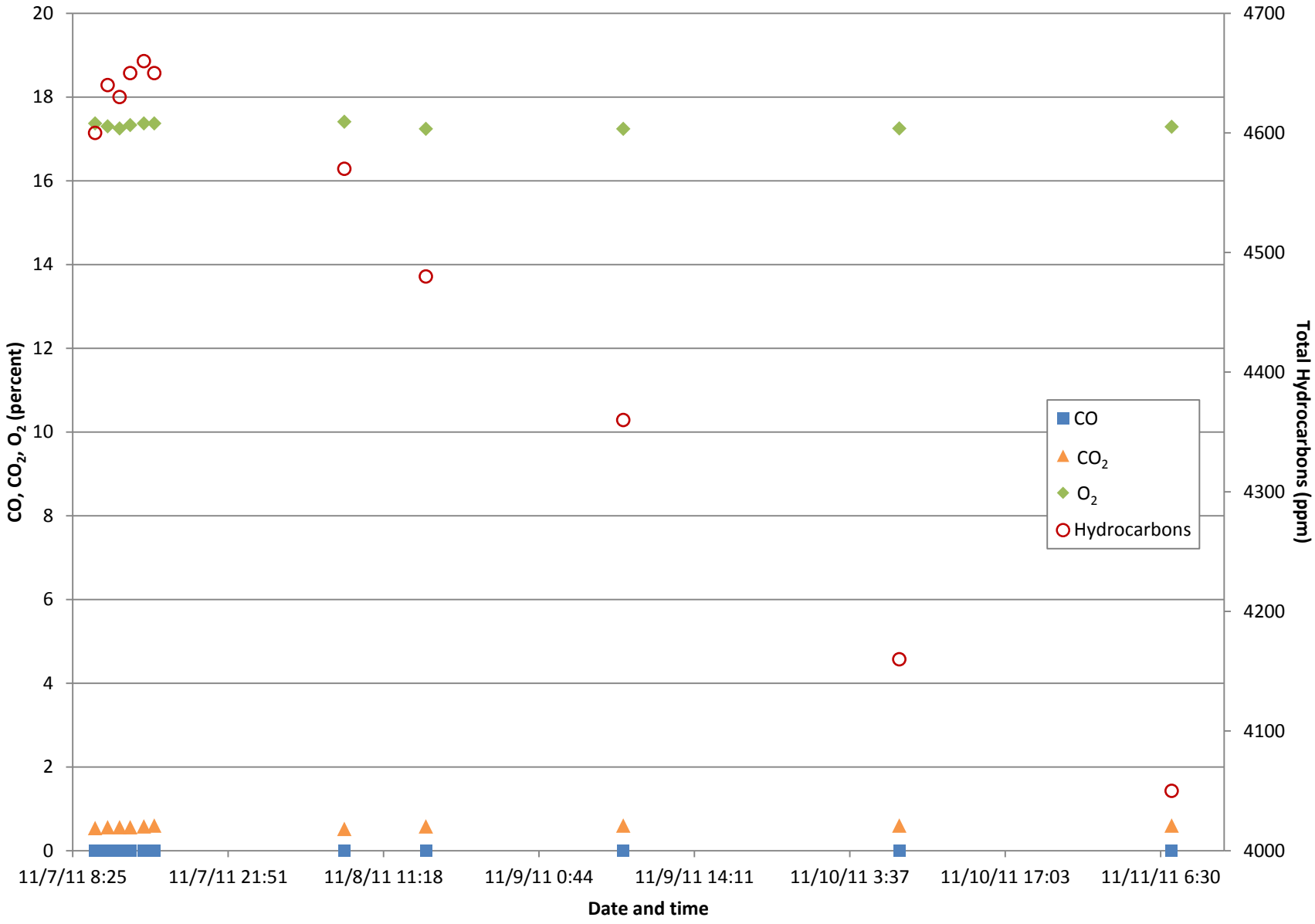

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Figure L-27: Extraction Well Vapor Measurements for Test 5DTSVEW-05

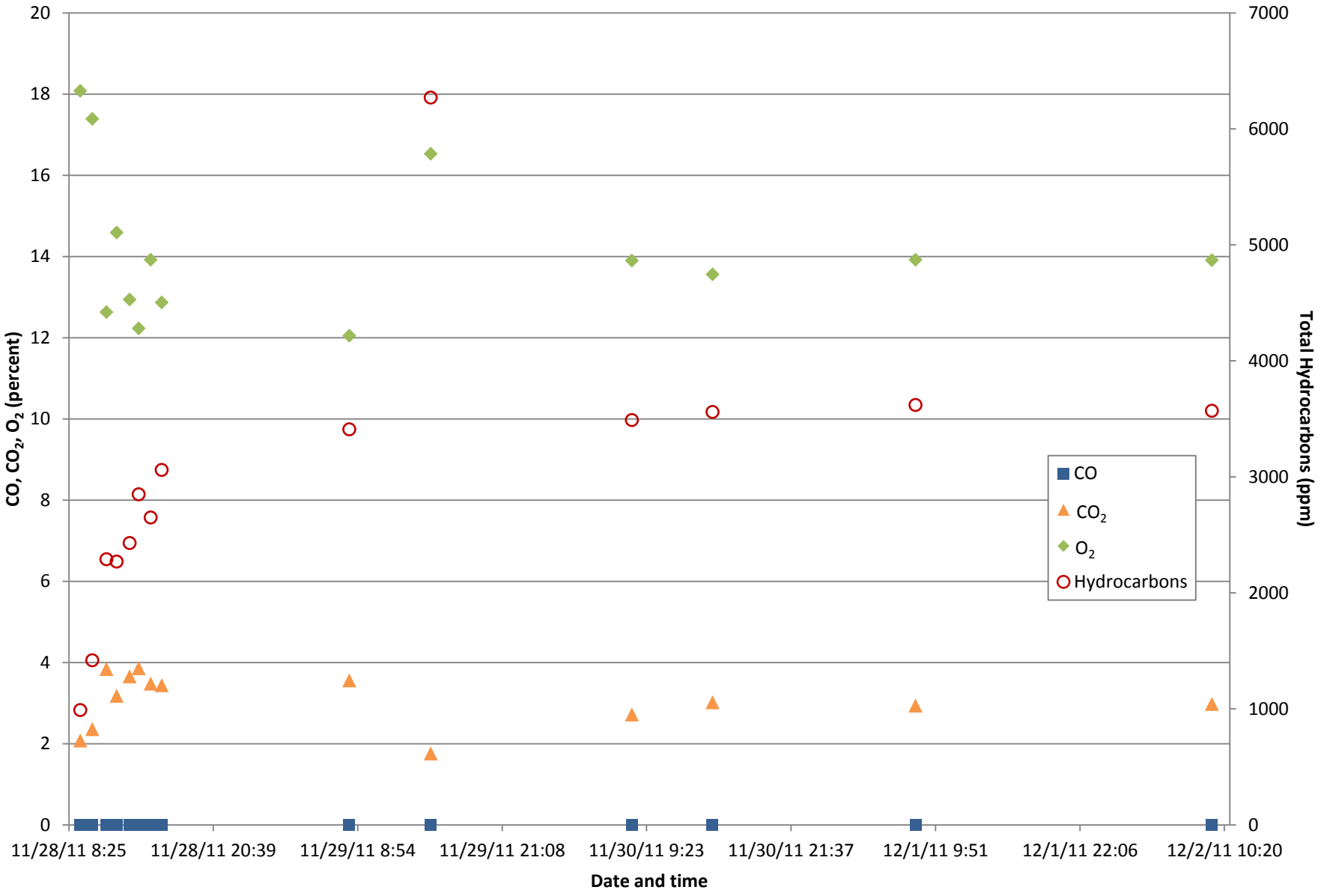

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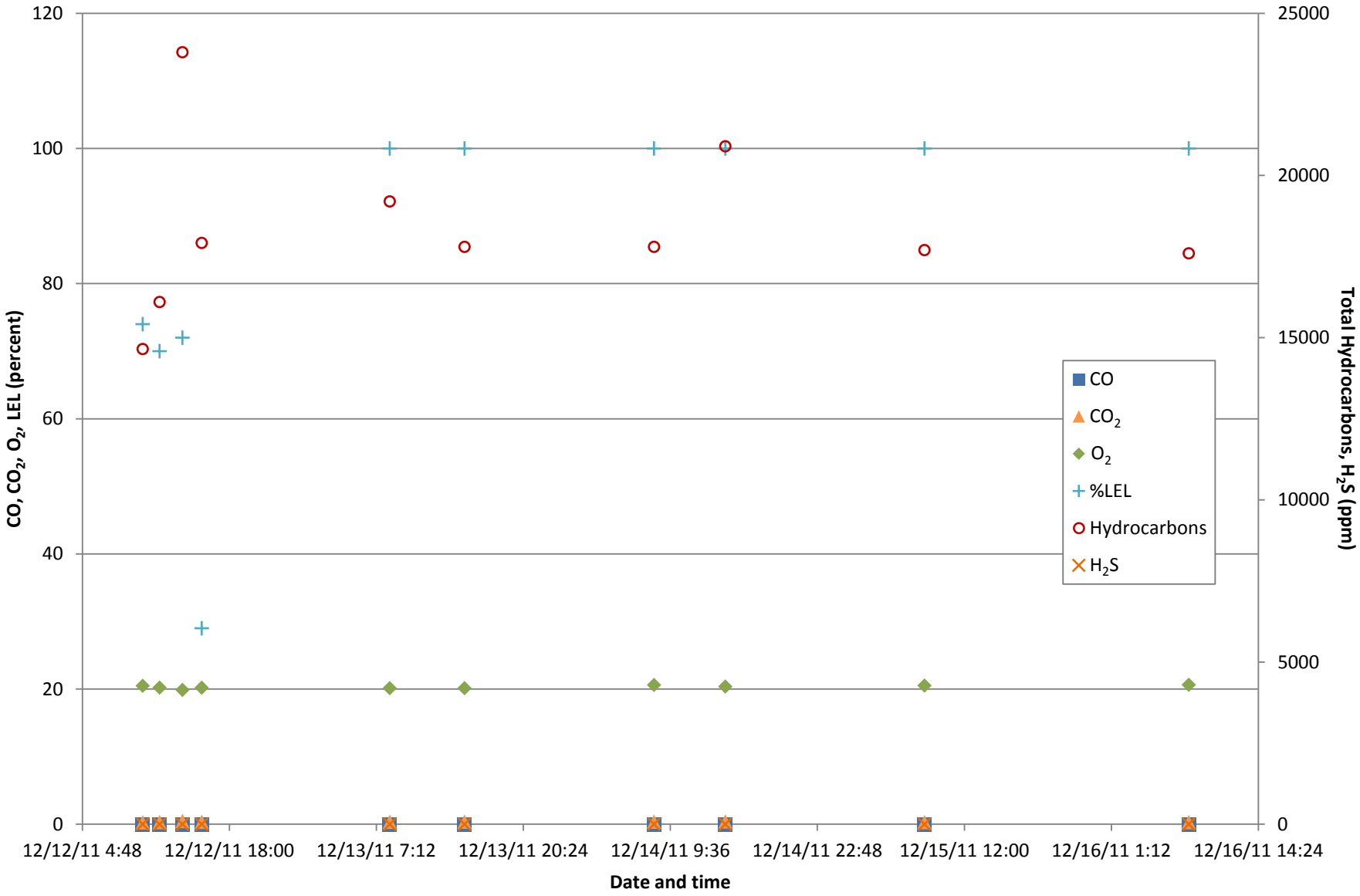
Figure L-28: Extraction Well Vapor Measurements for Test 5DTKAFB106149-484



O_2 Oxygen

ppm parts per million

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APPENDIX L

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	11	11/14/2011
			SVEW-04/05	12	
			SVEW-06/07	187	
			SVEW-08/09	194	
SWTSVEW-05	Single Well Test	SVEW-05	SVEW-01	12	11/15/2011
			SVEW-02/03	21	
			SVEW-04	0	
			SVEW-06/07	175	
			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	76	
			KAFB-106123	61	
			KAFB-106113	260	
			KAFB-106114	362	
			KAFB-106131	381	

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
5DTSVEW-05	Five Day Test	SVEW-05	SVEW-02/03	21	11/28/11 - 12/2/11
			SVEW-04/05	0	
			SVMW-02	129	
			SVMW-03	112	
			SVMW-04	155	
			SVMW-08	138	
			SVMW-09	90	
			SVMW-10	40	
			SVMW-11	90	
			KAFB-106148	93	
			KAFB-106119	204	
			SVEW-06/07	175	
			SVEW-08/09	183	
5DTKAFB106149-484	Five Day Test	KAFB 106149-484	KAFB-106111	441	12/12/11 - 12/16/11
			KAFB-106112	216	
			KAFB-106113	385	
			KAFB-106114	306	
			KAFB-106116	143	
			KAFB-106117	42	
			KAFB-106119	219	
			KAFB-106121	628	
			KAFB-106128	208	
			KAFB-106129	376	
			KAFB-106149	0	
			SVMW-03	284	
			SVMW-15	213	

ROI Radius of Influence

ft feet

Table L-2. 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-2. 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-2. 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-2. 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	^0F	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-2. 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-2. 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-3. 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-3. 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-3. 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-3. 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-3. 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-3. 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-3. 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-4. 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-4. 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-4. 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	
						11/15/2011 9:05	-0.58	0-1" magnehelic gauge	

Table L-4. 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 9:29	-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-4. 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	^{0}F	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-4. 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-4. 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-5. 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-5. 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-5. 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-5. 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	^{0}F	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-5. 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-5. 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-6. 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-6. 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-6. 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		
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		

Table L-6. 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	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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-7. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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-8. 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		
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		

Table L-8. 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	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-8. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-9. 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-10. 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
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

Table L-10. 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-106122-250	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
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

Table L-10. 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-106120-150	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
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

Table L-10. 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-106123-50	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
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

Table L-10. 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-106113-20	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
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

Table L-10. 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-106131-450	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
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

Table L-10. 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-106131-25	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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