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REVIEWED
By Nelson Velez at 2:19 pm, Aug 03, 2022

2021 ANNUAL GROUNDWATER MONITORING REPORT

Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
UL-A, Section 2, T22S, R37E
NMOCD No.: 1R-0464
Plains SRS No.: 2003-00134
Incident ID: nAPP2108847697

Review of 2021 ANNUAL GROUNDWATER MONITORING REPORT: **Content satisfactory**

Contractor recommendations approved by NMOCD and are as follows;

1. Continue PSH recovery from wells RW-1 through RW-3 and RW-8 on a monthly basis
2. Continue semi-annual groundwater monitoring from MW-1, MW-2, MW-4, MW-6, MW-7, RW-5 and RW-6 per NMOCD approval on January 12, 2022.
3. Conduct quarterly groundwater sampling from MW-3, MW-5, RW-1, RW-2, RW-3, RW-7 and RW-8 if no measurable PSH is observed
4. Complete an annual groundwater sampling event on all wells at the Site
5. Discontinue PAH samples in all wells with two consecutive years of concentrations below the NMOCD criteria. Continue collecting groundwater samples for PAH from RW-8
6. Submit the Annual Groundwater Monitoring Report to the NMOCD no later than March 31, 2023.

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1.0 INTRODUCTION AND OBJECTIVES

1.1 Objectives and Site Information

EnTech Consultants (EnTech) prepared this annual report on behalf of Plains Pipeline, L.P. (Plains) for the Vacuum to Jal 14" Mainline #5 release area (Site), located in T22S, R37E, Section 2 of Lea County, New Mexico. The Site is approximately two (2) miles east of Eunice, New Mexico, and more specifically located at latitude 32° 25'39.006" N and longitude 103° 07'43.155" W (**Figure 1**). The hydrocarbon impact at the Site is the result of a 20-barrel (bbl) crude oil release that occurred from the pipeline on May 23, 2003. The pipeline was owned by EOTT Energy, LLC (EOTT) at the time of the release and is currently owned by Plains.

This report presents the data collected at the Site during weekly, bi-weekly, and monthly groundwater gauging and phase separated hydrocarbon (PSH) recovery and four (4) quarterly groundwater sampling events conducted during 2021. The objective of the on-going quarterly groundwater sampling activities at the Site is to monitor the concentration of chemicals of concern (COCs) in the affected groundwater. PSH recovery activities are conducted to remove residual crude oil from groundwater.

EnTech was retained by Plains in 2012 to manage continued remediation activities at the Site. According to the initial New Mexico Oil Conservation Division (NMOCD) Response Notification (NMOCD Form C-141), Mr. Pat McCasland of Environmental Plus, Inc. (EPI) reported the release, on behalf of Mr. Frank Hernandez of EOTT on May 23, 2003. A copy of the C-141 Release Notification Form was provided in the 2010 Annual Report Dated March 2011. The leak was apparently caused by internal or external corrosion. The line was being pressure tested when the leak occurred.

1.2 Previous Remedial Responses and Environmental Investigations

The previous environmental consultant for the Site was EarthCon Consultants, Inc. (EarthCon). As of July 1, 2012, EnTech was retained by Plains for consulting services for the Site. Even though the environmental consultant for the Site has changed, the same personnel were retained by EnTech to complete work for the Site.

EPI oversaw the initial emergency response activities at the Site in May and June of 2003. According to EPI documents, the May 2003 release resulted in surface impacts in two (2) areas that required excavation. The larger of the excavations was an irregularly shaped area measuring approximately 200-feet by 40-feet, and affected a surface area of approximately 8,885-square feet (ft^2). The smaller area had an L-shaped footprint located east of the southernmost portion of the larger excavation that measured approximately 40-feet by 60-feet and affected a surface area of approximately 2,500-ft^2. The EPI data also revealed the presence of a historical spill at the Site identified by the

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presence of an asphaltene layer that affected an area in the central portion of the larger excavation directly under the existing pipelines.

Based on the information provided by Mr. McCasland and file correspondence between EPI and Plains, approximately 1,466-cubic yards (yds^3) of heavily impacted surface soils were transported off-Site for treatment at the Lea Station Land Farm in March 2004. The remaining excavated soil was spread out adjacent to the excavation. In March 2004. EPI installed four (4) trenches in areas of known hydrocarbon-impact to further delineate depths of contamination and to determine if the base of the excavation was contaminated.

In January 2006, EarthCon collected twelve (12) composite soil samples from the excavated material to evaluate the concentration of hydrocarbons remaining. In March 2006, EarthCon oversaw the installation of three (3) soil borings which were subsequently converted to monitor wells (MW-1 through MW-3) at the Site. Following the installation of the three (3) monitor wells, EarthCon began weekly gauging and PSH recovery, and quarterly groundwater sampling activities at the Site.

Based on the available soil and groundwater data, a Soil Remediation Plan (SRP) was prepared and submitted to the NMOCD in May 2006. The primary objective of the SRP was to excavate the highly affected soils and to isolate and control residual concentration of COCs, preventing them from further affecting the groundwater. The plan called for the placement of an impermeable liner at the base of the excavation, eliminating migration. The SRP was approved by the NMOCD in June 2006. During October and November 2006, EarthCon collected additional confirmation soil samples in the open excavations and supervised over-excavation of the impacted area, installation of a liner, and backfilling activities. The soil remediation activities were documented in the *Soil Closure Report* dated March 2007. Groundwater investigation activities were also conducted at the Site. Details associated with these site investigation activities were presented in the *Site Investigation and Annual Report*, dated March 2007. These reports document attainment of the risk-based NMOCD approved cleanup objectives for soils established for this Site. Additionally, these reports establish that the COCs in groundwater have been delineated. The reports were submitted to the NMOCD for final regulatory approval for closure of soil issues at this Site, and a request made for a “No Further Action Required for Soil Remediation” letter from the NMOCD.

The groundwater remediation goals and the proposed remedial approach are discussed in a Groundwater Work Plan submitted to the NMOCD in December 2009. Monitored natural attenuation is the established remedial approach for this Site along with source reduction activities including PSH recovery and quarterly groundwater monitoring. Additional assessment activities occurred at the Site in June of 2011 with the installation of recovery wells RW-1 through RW-6. The wells were initially installed to define the

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lateral extent of affected groundwater and subsequently converted to recovery wells to enhance product recovery efforts.

In July 2012, EnTech was retained by Plains to continue remediation and groundwater activities at the Site.

Groundwater and product recovery activities at the Site continued in 2013. Specifically, two (2) recovery wells (RW-7 and RW-8) were installed in 2013. Since 2013, quarterly groundwater sampling has continued at the Site along with PSH recovery.

This report summarizes the activities conducted in 2021 for groundwater sampling, groundwater analysis and PSH recovery activities.

1.3 Regulatory Framework

Based on standards outlined in New Mexico Administrative Code (NMAC), Title 20, Chapter 6, Part 2, the remediation criteria for groundwater at the Site are as follows:

COC	Limit (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62
Polynuclear Aromatic Hydrocarbons (PAH) (1,2)	0.03
Benzo-a-pyrene (2)	0.0007

1 –PAHs: Total naphthalenes plus monomethylnaphthalenes
2 –PAH remediation standards will be used as target concentrations only upon PSH removal.
mg/L – milligrams per liter

In addition to using the above values as the target cleanup goals for COC concentrations in groundwater at the Site, PSH removal is considered an integral part of ongoing remediation activities.

1.4 Limitations

EnTech has prepared this report using the level of care and professionalism in the industry for similar projects under similar conditions. EnTech will not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this report was prepared. EnTech believes the conclusions stated herein are factual, but no guarantee is made or implied.

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2.0 GROUNDWATER ASSESSMENT AND RESULTS

2.1 Groundwater Sampling Methodology

Activities conducted at the Site in 2021 primarily consisted of gauging wells for groundwater levels, determining the presence or absence of PSH, and recovering PSH using absorbent socks, hand bailing, and submersible pumps. Groundwater sampling of PSH-free monitor/recovery wells was also completed on a quarterly basis to evaluate the extent of the dissolved-phase hydrocarbon plume.

Measurements of the depth to groundwater and product thickness in wells with hydrocarbon sheen or PSH were completed during the PSH recovery and groundwater sampling events. Seven (7) groundwater monitor wells (MW-1 through MW-7) and eight (8) recovery wells (RW-1 through RW-8) were gauged using an oil/water interface probe. The well locations are shown on **Figure 2**. Recovery well RW-8 was installed in November 2013 to enhance product recovery efforts at the Site. Information regarding the installation of RW-8 was included in the *2013 Soil Investigation and Groundwater Monitoring* report submitted to the NMOCD in March 2014.

Groundwater level elevations and the presence of PSH, if any, were noted for each monitor/recovery well on a quarterly basis. In cases where no measurable PSH was detected by the interface probe, the downhole sensor of the probe was examined for the presence of PSH upon removal from the well. Four (4) recovery wells (RW-1, RW-2, RW-3, and RW-8) contained a PSH thicknesses ranging from sheen to 1.09-feet during 2021. These wells were sampled annually to evaluate remaining COC concentrations and polycyclic aromatic hydrocarbons (PAH). Starting in the second quarter of 2008 all recovery and monitor wells with PSH or sheen were required to be sampled annually. Additionally, after a review of the 2010 Annual Groundwater Monitoring Report, the NMOCD requested that any monitor well which had a COC exceeding NMOCD standards be sampled for PAHs. To meet these two (2) requirements and for consistency, groundwater samples were collected during the second quarter of 2011 through 2018 from recovery wells RW-1 and RW-2, and in the second quarter of 2014 through 2018 from recovery well RW-8 for PAH analysis. Groundwater samples were collected from recovery wells RW-1, RW-3, and RW-8 for analysis of PAH in 2019, whereas groundwater samples were analyzed for PAH in groundwater samples collected from recovery wells RW-1 through RW-3 and RW-8 in 2020 and 2021.

Groundwater monitor wells not exhibiting PSH or hydrocarbon sheen were gauged and sampled quarterly. After collecting and recording the groundwater level, each well was purged with a clean electric submersible pump or hand bailed using a clean disposable bailer, and then groundwater samples were collected using a new dedicated disposable bailer.

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Groundwater samples were transferred directly from the disposable bailers into the appropriate laboratory-supplied sample containers. The sample containers were then packaged to prevent breakage, placed on ice in a cooler, and shipped to Pace Analytical (Pace) Mount Juliet, Tennessee for analysis. The groundwater samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by Environmental Protection Agency (EPA) Method SW 8260B and PAHs by EPA Method SW 8270C.

2.2 Groundwater Gauging

Table 1 summarizes groundwater gauging (elevation and PSH thickness) measurements taken before each quarterly groundwater sampling event in 2019-2021. Groundwater elevations and PSH thickness measurements were taken in four (4) recovery wells (RW-1 through RW-3 and RW-8) during PSH recovery efforts. Complete historical groundwater elevation and PSH thickness measurements since September 14, 2005 are presented in **Table 2**. The groundwater elevation calculations are based on the top of polyvinyl chloride (PVC) well casing elevations, which were last surveyed on March 15, 2005 by EarthCon, and updated in December 2013 by EnTech for the two (2) new recovery wells installed in November 2013 (RW-7 and RW-8).

2.3 Groundwater Gradient and Flow Direction

Using the 2021 groundwater gauging data summarized in **Table 1**, groundwater gradient maps illustrating groundwater flow direction are included as **Figures 3A** through **3D**. The calculated groundwater gradient and estimated groundwater flow direction are based on the gauging data obtained on March 25, June 17, September 15, and December 16, 2021. The hydraulic gradient in 2021 ranged from 0.0035 to 0.0037 foot/foot (ft/ft), based on groundwater elevations measured between monitor well MW-4 and recovery well RW-6. The groundwater flow direction has consistently been to the south.

2.4 Groundwater Analytical Results

Groundwater samples were collected on March 25, June 17 and 18, September 16, and December 16, 2021 from all wells that did not contain PSH (see **Table 3**). Sampled monitor/recovery wells were purged by removing a minimum of three (3) to five (5) well volumes of groundwater. In some instances, depending on groundwater conditions, wells were bailed dry three (3) times using a disposable bailer and allowed to recover to at least 80% of the initial volume before collecting samples. Groundwater samples were collected and transferred into laboratory-supplied sample containers. The sample containers were placed on ice in a cooler and shipped to Pace, in Mount Juliet., Tennessee for analysis. Groundwater samples collected from select monitor/recovery wells were analyzed for BTEX in all four (4) quarters of 2021.

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Analytical results reported for the groundwater samples collected from wells MW-1 through MW-7, RW-1, and RW-4 through RW-7, indicated nondetectable BTEX concentrations or concentrations below the NMOCD groundwater remediation criteria during 2021. Groundwater sampling was reduced to semi-annual in monitor wells MW-1 and MW-2 and recovery wells RW-5 and RW-6 per the 2019 Annual groundwater monitoring report recommendations and approvals. Groundwater samples were also collected from recovery well RW-3 during the 1st and 2nd quarters 2021 which indicated nondetectable BTEX concentrations or concentrations below the NMOCD groundwater remediation criteria. The benzene concentration analyzed in the groundwater sample from RW-8 (0.0265 mg/L) was above the NMOCD criteria of 0.01 mg/L during the 3rd quarter. Samples from RW-8 collected during the 2nd and 4th quarters were below the NMOCD criteria. Analysis of all other BTEX constituents (i.e., toluene, ethylbenzene, and total xylenes) occurred below MDLs or levels below the NMOCD criteria.

Groundwater samples collected from recovery wells RW-1 through RW-3 and RW-8 during the second quarterly sampling event in 2021 were also evaluated for PAHs which indicated nondetectable concentrations of naphthalene, acenaphthene, fluorene, phenanthrene, chrysene, and dibenzofuran or concentrations below the NMOCD groundwater remediation criteria. Concentrations of total methylnaphthalenes were detected during analysis, however the concentration observed in the samples collected indicated concentrations below the NMOCD criteria of 30 micrograms per liter (µg/L). PAH samples are recommended to be discontinued in all wells with two consecutive years of concentrations below the NMOCD criteria. RW-8 will be sampled in 2022. If concentrations of PAH remain below the NMOCD criteria, PAH sampling will be discontinued in 2022.

Table 2.4.1 below summarizes the COC concentrations in which NMOCD Remediation Criteria exceedances were observed or detectable concentrations were observed in 2021. Benzene concentrations reported at levels exceeding the NMOCD standards are marked in **bold**. The 2021 analytical results are presented in **Table 3**.

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TABLE 2.4.1				
2021 COC CONCENTRATIONS (MG/L)				
	FIRST QUARTER	**SECOND QUARTER**	**THIRD QUARTER**	**FOURTH QUARTER**
	BENZENE	**BENZENE**	**BENZENE**	**BENZENE**
NMOCD REMEDIATION CRITERIA (MG/L)	**0.01**	**0.01**	**0.01**	**0.01**
RW-1	0.00296	0.00714	0.00577	0.00454
RW-2	NS	0.00410	NS	NS
RW-3	0.00178	<0.001	NS	NS
RW-8	NS	0.00498	**0.0265**	0.00562

Note: Concentrations in bold indicate exceedances of NMOCD Remediation criteria.
NS –Not sampled due to PSH sheen or a visible PSH sheen.
mg/L – milligrams per liter

Historical analytical results are presented in **Table 4**. Laboratory analytical reports and data packages are provided in **Appendix A**. The groundwater analytical data for each quarterly sampling event of 2021 are illustrated in **Figures 4A** through **4D**.

2.5 Groundwater Waste Disposal

Purge water from well sampling at monitor wells MW-1 through MW-7 and recovery wells RW-1 through RW-8 is placed in the 1,100-gallon aboveground storage tank (AST) located at the Site. These liquids are vacuumed from the AST and transported off-Site for disposal by Gandy Corporation of Lovington, New Mexico.

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3.0 PSH RECOVERY

3.1 PSH Recovery Methodology

In addition to collecting groundwater samples, EnTech performed activities at the Site to gauge and periodically recover PSH from recovery wells exhibiting PSH or sheen (RW-1 through RW-3, and RW-8). Recovery well RW-8, was installed in November 2013 and added for PSH recovery on a weekly basis. Measurements to PSH and water levels were recorded during each Site visit (see **Table 2**). PSH recovery activities were initially completed using submersible pumps, hand bailing and/or absorbent socks. Routine PSH recovery activities typically consisted of the removal of 5- to 20-gallons of groundwater and dissolved-phase hydrocarbons and approximately 1-gallon of PSH from the above referenced wells.

3.2 PSH Recovery via Pumping and Manual Bailing

During 2021, measurable PSH was observed in recovery wells RW-1 through RW-3 and RW-8 during at least one (1) quarterly sampling event. Annual PSH and dissolved phase groundwater recovery data for 2021 are presented in **Table 6**.

The PSH measured in recovery well RW-1 during PSH recovery events in 2021, indicated stable thicknesses. The maximum PSH thickness observed in RW-1 was a sheen, a decrease from 0.6-ft in 2020. The calculated average PSH thickness measured in RW-1 in 2021 was sheen, a reduction from 0.04-ft in 2020

The maximum PSH thickness of 0.96-ft was measured in recovery well RW-2 during 2021 and increase from 0.35-ft in 2020. The calculated average product thickness measured in RW-2 in 2021 was 0.26-ft, which was an increase from the calculated average product thickness observed in 2020 (0.10-ft).

The PSH thicknesses observed in recovery well RW-3 in 2021 ranged from a sheen to 0.04 ft. These levels were a reduction as compared to the maximum thickness observed in 2019 (0.28-ft) and a sight increase from 0.03-ft observed in 2020. The calculated average thickness for 2021 and 2020 was 0.02-ft, a reduction from 0.09-ft observed in 2019.

The PSH thicknesses ranging from a sheen to 3.65-ft were observed in recovery well RW-8 in 2021 after two months without product recovery. The average calculated thickness in 2021 of 0.49-ft was an increase compared to the average calculated thickness observed in 2020 (0.06-ft) and 2019 (0.16-ft).

3.3 PSH Recovery via Mobil Duel Phase Extraction (MDPE)

PSH recovery via MDPE was conducted at the Site during 2021 by Plains consultant Talon/LPE (Talon). Three MDPE events were conducted in March, June, and

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September in 2021 for durations of 12-hours for each event. MDPE removes multiple phases of hydrocarbons (liquid, dissolved, absorbed and vapor phase) simultaneously by extracting liquids, vapors, and contaminated groundwater from multiple monitor and recovery wells. This is completed with a truck-mounted vacuum and liquid handling system integrated with a mobile hydrocarbon vapor treatment system. High vacuum is applied to multiple wells with downhole apparatuses to control the fluid elevation in each well. Therefore, the vacuum forcefully induces contaminant liquids and vapors to be simultaneously pulled into the extraction wells from the vadose zone, capillary fringe, and the saturated zone. Extracted contaminant liquids are collected in a designated tank at the Site. Volatile vapor emissions are treated by the integrated vapor destruction systems. Fluids from the MDPE events were disposed of separately by Talon and stored in separate tanks at the facility.

During the March 2021 MDPE event, a calculated 5.10-gallons of vapor PSH and 18.10-gallons of fluid PSH were removed from recovery well RW-8..

During the July 2021 MDPE event, a calculated 3.72-gallons of vapor PSH and 7.00-gallons of fluid PSH were removed from recovery well RW-8.

During the September 2021 MDPE event, a calculated 4.62-gallons of vapor PSH and 10.00- gallons of fluid PSH were removed from recovery wells RW-1 and RW-8.

A cumulative total of 2,259-gallons of fluid were generated during the three (3) MDPE events.

The MDPE reports prepared by Talon are included as Appendix D.

3.4 PSH Waste Disposal

Approximately 22.50-gallons of PSH and 772.50-gallons of affected groundwater were recovered from the wells containing PSH during 2021 (RW-1 through RW-3 and RW-8) These liquids are vacuumed from the tank and transported off-Site for disposal by Gandy Corporation of Lovington, New Mexico.

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4.0 MONITORED NATURAL ATTENUATION

4.1 Regulatory Framework for Monitored Natural Attenuation

Monitored Natural Attenuation (MNA) is defined by the New Mexico Environmental Department in 20.5.13 New Mexico Administrative Code (NMAC) as “a methodology for remediation that relies upon a variety of naturally occurring chemical, physical and biological processes to achieve target concentrations in a manner that is equally as protective of public health, safety and welfare, and the environment as other methods and that is accompanied by a program of monitoring to document the process and results of the above mentioned processes.”

As part of the MNA process several lines of evidence need to be evaluated, the general lines of evidence are listed below:

- **Primary Lines of Evidence (PLOE).** Relies on use of historical groundwater data that demonstrate a clear trend of stable or decreasing COC concentrations over time and with distance away from the source at appropriate monitoring or sampling points.
- **Secondary Lines of Evidence (SLOE).** Uses geochemical indicators to document certain geochemical signatures or “footprints” in the groundwater that demonstrate (indirectly) the type of natural attenuation process(es) occurring at the affected property and the destruction of COCs; or uses distance-based/time-based/biodegradation rate calculations to demonstrate attenuation.
- **Other Lines of Evidence (OLOE).** Most often consists of predictive modeling studies and other lab/field studies that demonstrate an understanding of the natural attenuation process(es) occurring at the affected property and their effectiveness in controlling Protective Concentration Level Exceedance (PCLE) zone migration and decreasing COC concentrations.

4.2 Plume Stability and Monitored Natural Attenuation

The Site is currently undergoing Plume Stability Analysis. While samples are collected observing field measured groundwater quality parameters (i.e., oxygen-reduction potential, dissolved oxygen, etc.), insufficient data exists at this time to perform a reliable evaluation.

While plume stability using MNA cannot be fully evaluated at this time, PLOEs do exist and include:

- The benzene concentrations reported in the groundwater samples collected from the monitor and recovery wells down-gradient of the plume (MW-1, MW-5

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through MW-7, and RW-6) have been nondetectable or at levels below the NMOCD criteria since 2011;

- Benzene concentrations reported in the groundwater samples collected from cross-gradient monitor wells (MW-2 and RW-5) have remained at nondetectable levels or concentrations below the NMOCD criteria since 2007. Recovery well RW-7 was installed in 2013 and analysis of groundwater samples since installation have all indicated concentrations below the NMOCD groundwater remediation criteria through 2021;
- Benzene concentrations analyzed in groundwater samples collected from recovery wells in proximity to the release area (RW-1 through RW-3 and RW-8) appear to be stable; and,
- PSH thicknesses observed in recovery wells RW-1 through RW-3 and RW-8 decreased during 2021. Specifically, the thickness observed in RW-1 decreased from a maximum of 0.03-foot at the beginning of 2019 to a sheen in 2021; the observed thickness in RW-2 which decreased from 0.22-foot at the beginning of 2019 to 0.07-foot at the end of 2021; and the observed thickness in RW-3 which decreased from 0.07-foot at the beginning of 2019 to 0.01-foot at the end of 2021. The observed thickness in RW-8 which measured 0.13-foot at the beginning of 2019 decreased to 0.02-foot at the end of 2021.

The dissolved phase plume was evaluated in 2021 by analyzing groundwater samples collected quarterly from eleven (11) PSH-free monitor and recovery wells. Groundwater samples were collected from monitor wells MW-1 through MW-7 and recovery wells RW-4 through RW-7. Laboratory analysis of those samples collected from PSH-free wells during 2021 indicated nondetectable BTEX concentrations or concentrations below the NMOCD acceptable levels.

Understanding plume stability is an important step in the remedial planning process for a Site. For instance, an increasing plume could potentially migrate to human or environmental receptors, whereas a stable or decreasing plume may not pose an imminent threat to human health and the environment. An introduction to plume stability analysis and the basis for the plume evaluation at the Site was presented in the 2009 Annual report.

This analysis was conducted to understand the overall stability of the benzene plume during 2006 through 2021. This study included the development of benzene concentration isopleths maps from the average of the benzene concentrations reported in the four (4) quarterly groundwater sampling events for all the wells with no PSH (specifically monitor wells MW-1 through MW-7 and recovery wells RW-4 through RW-7). Since the wells with PSH were sampled during the 2nd quarter groundwater sampling

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events from 2008 through 2021, the benzene concentrations reported during this sampling event were used in the plume evaluation.

A SLOE is provided by the Mann Kendall Trend Test (MKTT), which is a statistical method used to analyze data collected over time for consistently increasing or decreasing trends. It is a non-parametric test, which means it works for all distributions (i.e. the data doesn't have to meet the assumption of normality), but the data should have no serial correlation.

The test can be used to find trends for as few as four (4) samples. However, with only a few data points, the test has a high probability of not finding a trend when one would be present if more points were provided. The more data points available, the more likely the test is going to find a true trend. The minimum number of recommended measurements is therefore at least eight (8) to ten (10) (Reference: Prashanth Khambhammettu: "Mann-Kendall Analysis for the Fort Ord Site", HydroGeoLogic, Inc.-OU-1 2004 Annual Groundwater Monitoring Report-Former Fort Ord, California, 2005).

Concentrations of benzene analyzed in groundwater samples collected from the Site between June 3, 2011 and December 23, 2021 were evaluated using the MKTT. Only monitor wells with detectable concentrations of benzene in 2019-2021 were evaluated.

Monitor wells evaluated by MKTT for benzene included recovery well RW-1 through RW-3 and RW-8.

Benzene Evaluation		
Well ID	Confidence Factor	Trend
RW-1	100.0%	Decreasing
RW-2	77.7%	No Trend
RW-3	99.9%	Decreasing
RW-8	>99.9%	Decreasing

A copy of the MKTT analysis is included in Appendix C.

The benzene concentration isopleth maps for 2015 through 2021 are presented in **Figures 5** through **11** respectively. The analytical data collected for the Site used for the plume stability analysis indicates that the benzene plume emanating from the Site has a decreasing trend in concentration, size and mass.

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5.0 FINDINGS

Findings and recommendations resulting from 2021 groundwater monitoring at the Site are summarized below.

- Groundwater flow in the uppermost groundwater-bearing unit is to the south ranging from 0.0035 to 0.0037 ft/ft as measured between wells MW-4 and RW-6.
- Analytical results reported for the groundwater samples collected from wells MW-1 through MW-7, RW-1, and RW-4 through RW-7, indicated nondetectable BTEX concentrations or concentrations below the NMOCD remediation criteria.
- Laboratory analysis of groundwater samples collected from recovery wells with observed PSH (RW-1 through RW-3 and RW-8) in 2021 indicated benzene concentrations ranging from nondetectable to 0.0265 mg/L. Benzene concentrations analyzed in the groundwater samples collected from RW-1, RW-2 and RW-3, were all below the NMOCD criteria of 0.01 mg/L however, the benzene concentration analyzed in the groundwater sample from recovery well RW-8 exceeded the NMOCD remediation criteria. Analysis of all other BTEX constituents (i.e., toluene, ethylbenzene, and total xylenes) occurred at nondetectable concentrations or concentrations below the NMOCD criteria.
- PSH recovery from wells RW-1, RW-2, RW-3, and RW-8 continued during 2021. The estimated quantity of PSH recovered from wells exhibiting PSH during monthly PSH recovery efforts totaled approximately 22.50-gallons, with affected groundwater recovery totaling approximately 772.50-gallons.
- The PSH plume has remained in the historical source area, located in the vicinity of recovery wells RW-1 through RW-3 and RW-8, and does not appear to be migrating downgradient.

Based on PSH recovery data and groundwater sampling completed during 2021 (and previously) at the Site, EnTech recommends the following actions:

- PSH recovery from wells RW-1 through RW-3 and RW-8 continue on a monthly basis.
- Groundwater monitoring be conducted semi-annually on monitor wells MW-1, MW-2, MW-4, MW-6, MW-7, RW-5 and RW-6 per NMOCD approval on January 12, 2022.
- Quarterly groundwater sampling of monitor wells MW-3, MW-5, and recovery wells RW-1, RW-2, RW-3, RW-7 and RW-8 if no measurable PSH is observed.
- An annual groundwater sampling event on all wells at the Site.

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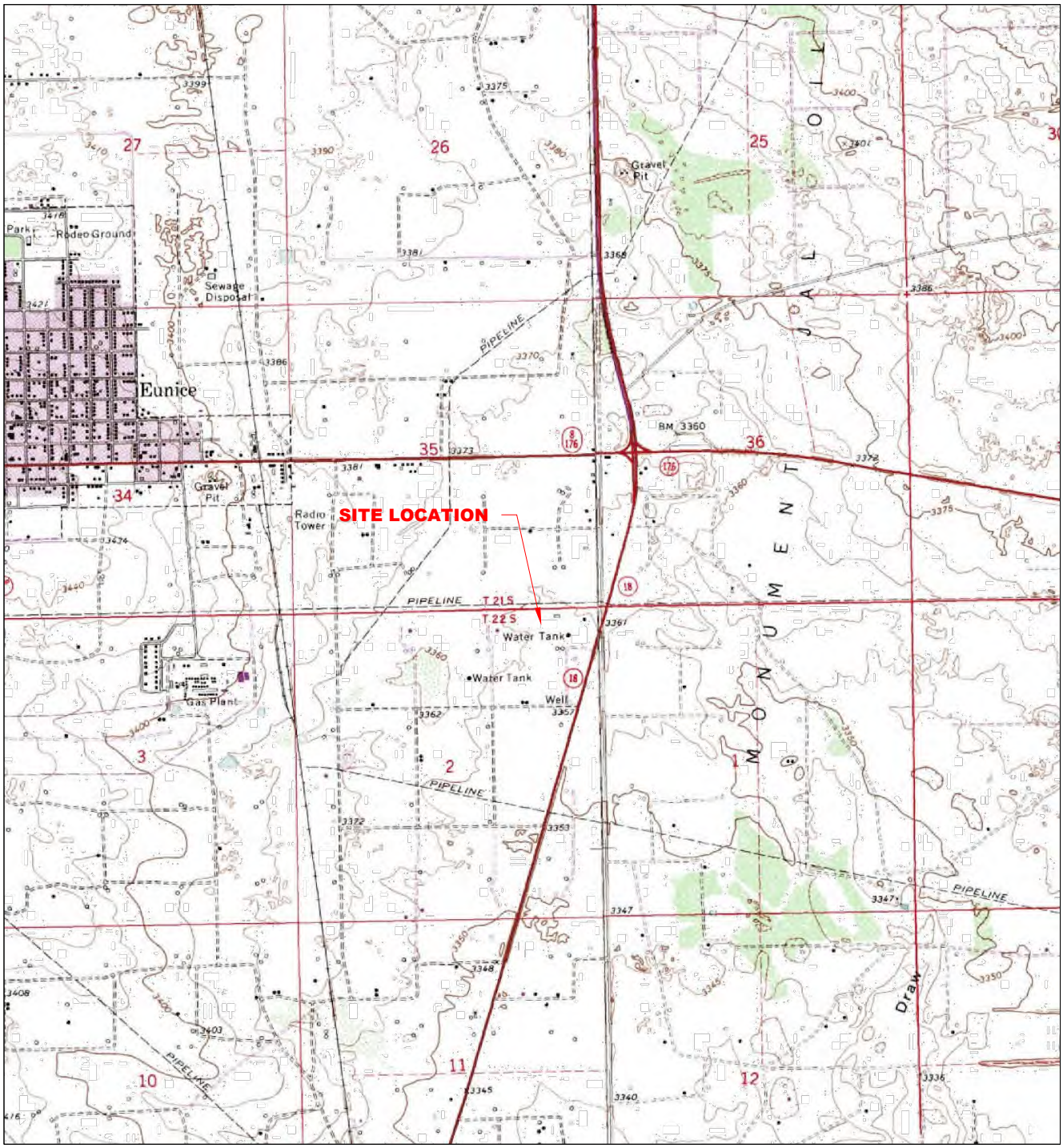
- PAH samples are recommended to be discontinued in all wells with two consecutive years of concentrations below the NMOCD criteria. RW-8 will be sampled in 2022. If concentrations of PAH remain below the NMOCD criteria, PAH sampling will be discontinued in 2022.

Released to Imaging: 8/3/2022 2:37:22 PM

Received by OCD: 3/24/2022 2:51:48 PM

FIGURES

Released to Imaging: 8/3/2022 2:37:22 PM



Eunice Quadrangle
32°25'39"N Latitude & 103°07'43"W Longitude

1/2 1/4 0 1/4 1/2
Distance in Miles

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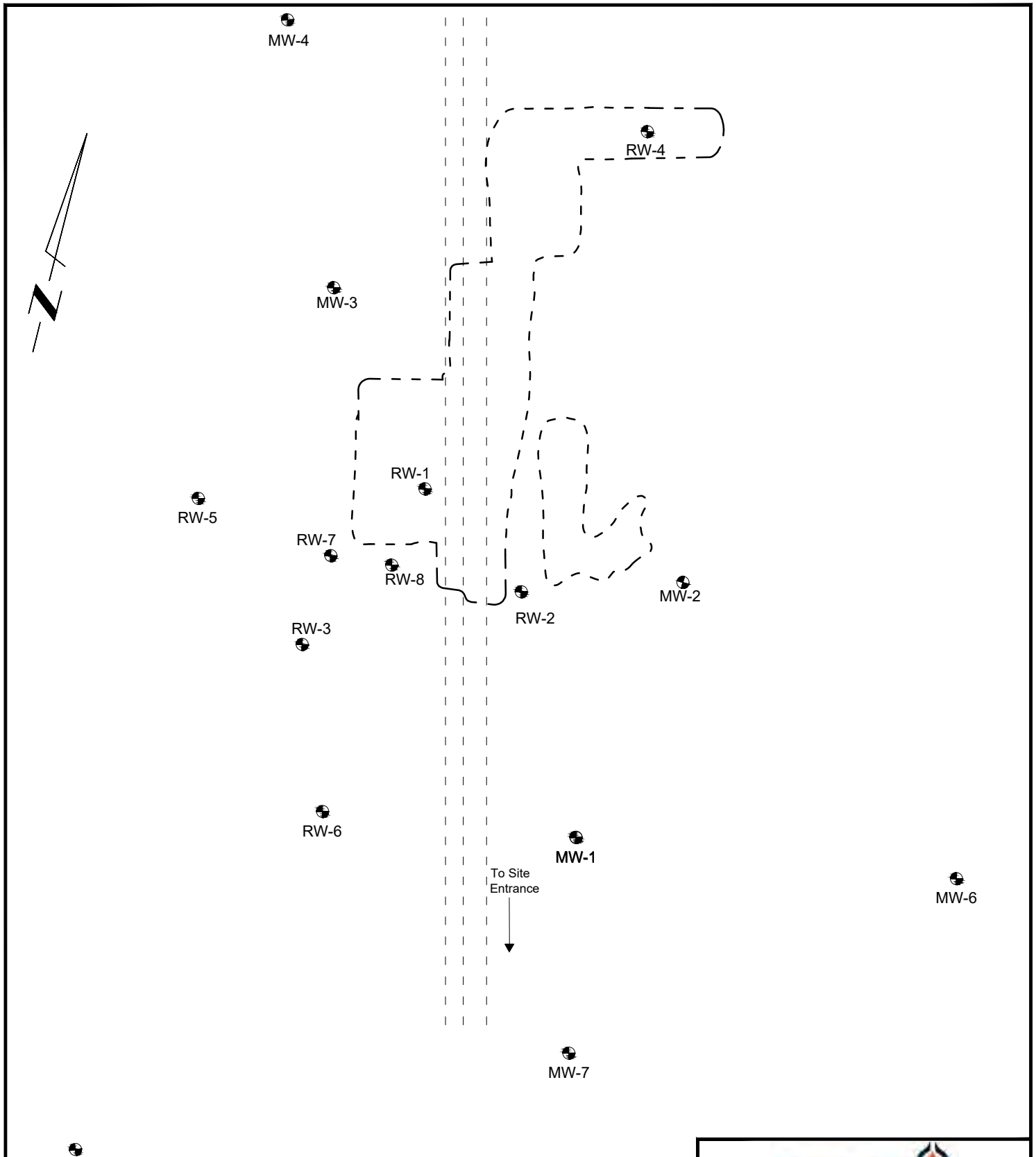
Figure 1
Site Location Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015	DATE: 1/21



LEGEND:

- **MW** - Monitoring or Recovery Well Location
- ---- - Excavation Extent
- – – – - Burried Pipeline

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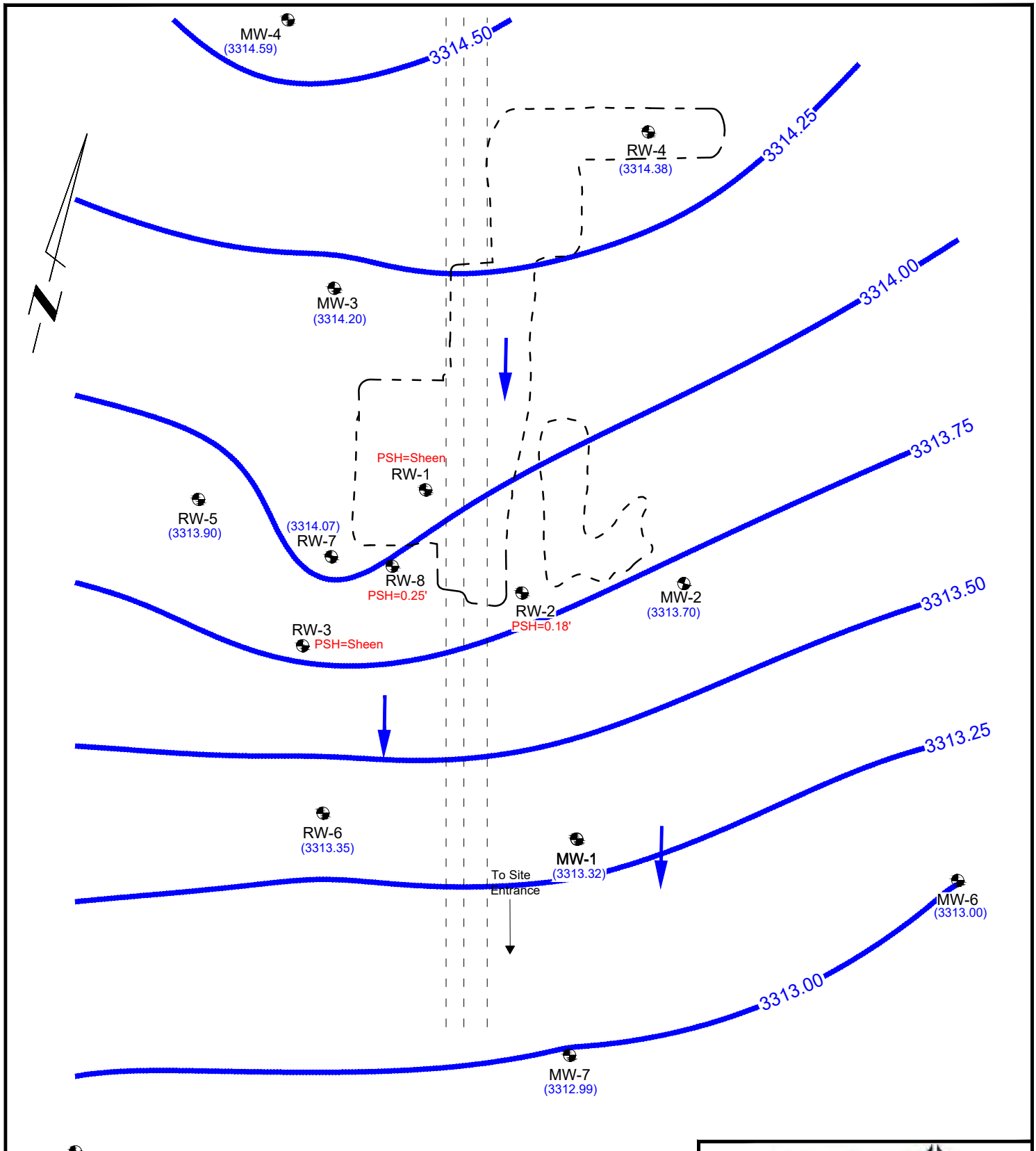
Figure 2
Site Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015	DATE: 1/21



LEGEND:

- MW - Monitoring or Recovery Well Location
- ---- - Excavation Extent
- – – – - Buried Pipeline
- 3312.5 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3311.73) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

PSH - Phase Separated Hydrocarbons
Wells with PSH not used to calculated gradient.

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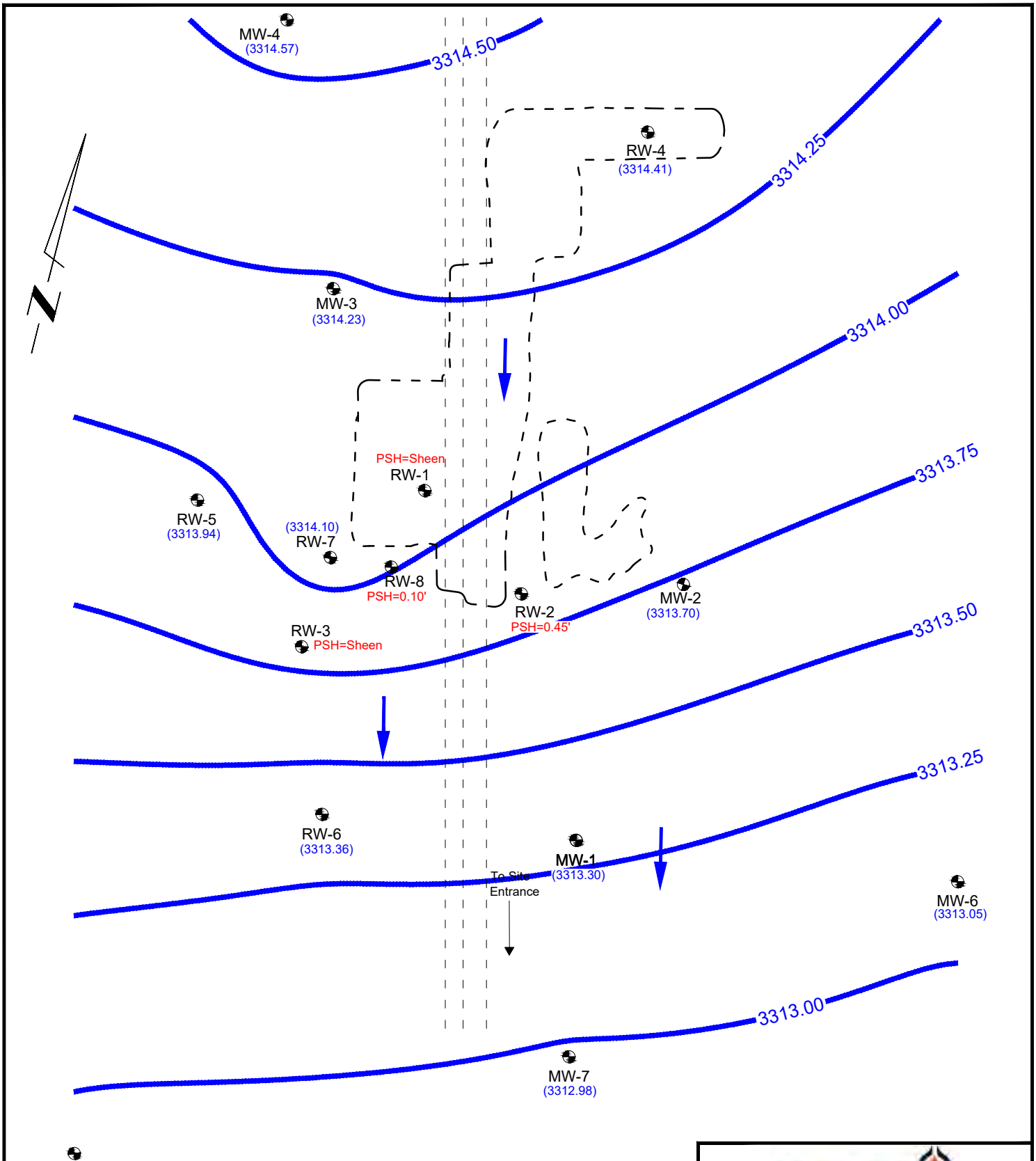
Figure 3A
1st Quarter 2021 - Groundwater Gradient Map
March 25, 2021
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 4/21



LEGEND:

- MW - Monitoring or Recovery Well Location
- ---- - Excavation Extent
- – – – - Buried Pipeline
- 3312.5 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3311.73) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

PSH - Phase Separated Hydrocarbons
Wells with PSH not used to calculated gradient.

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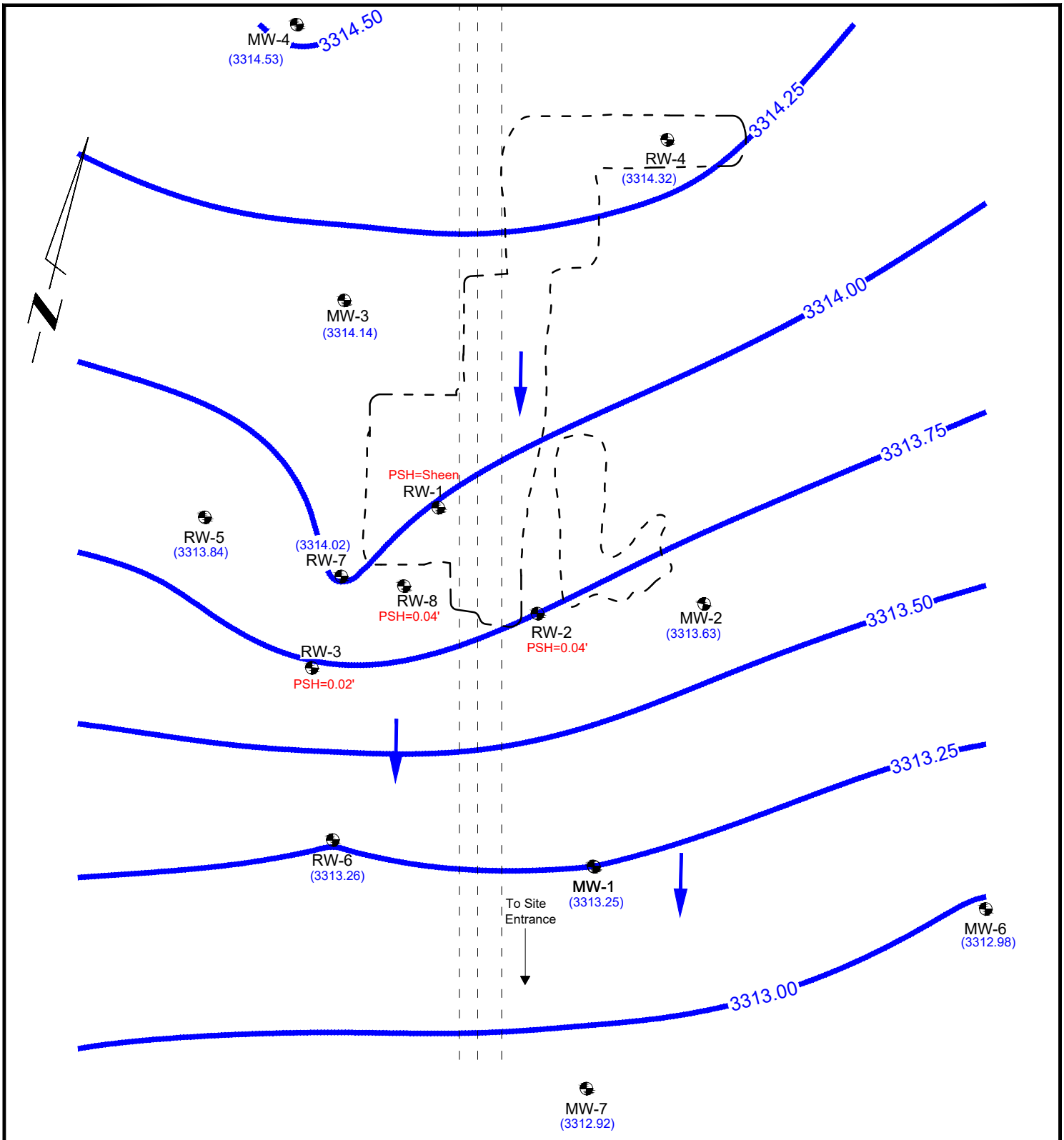
Figure 3B
2nd Quarter 2021 - Groundwater Gradient Map
June 17, 2021
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 7/21



LEGEND:

- **MW** - Monitoring or Recovery Well Location
- ---- - Excavation Extent
- – – – - Buried Pipeline
- 3312.5 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3311.73) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

PSH - Phase Separated Hydrocarbons
Wells with PSH not used to calculated gradient.

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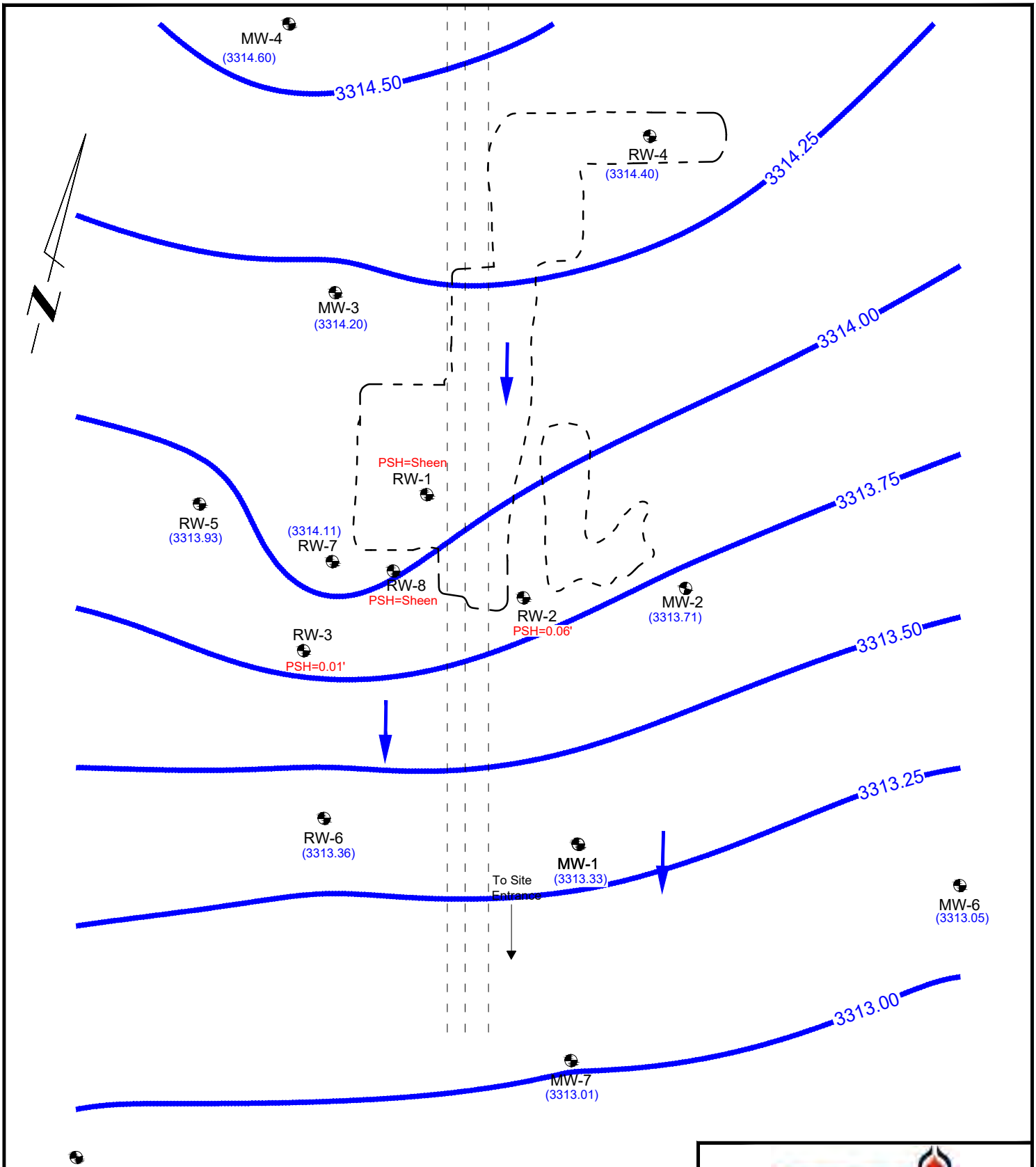
Figure 3C
3rd Quarter 2021 - Groundwater Gradient Map
September 15, 2021
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 10/21



LEGEND:

- **MW** - Monitoring or Recovery Well Location
- ---- - Excavation Extent
- – – – - Buried Pipeline
- 3312.5 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3311.73) - Corrected Groundwater Elevation, ft.
- ← - Grounwater Flow Direction

PSH - Phase Separated Hydrocarbons
Wells with PSH not used to calculated gradient.

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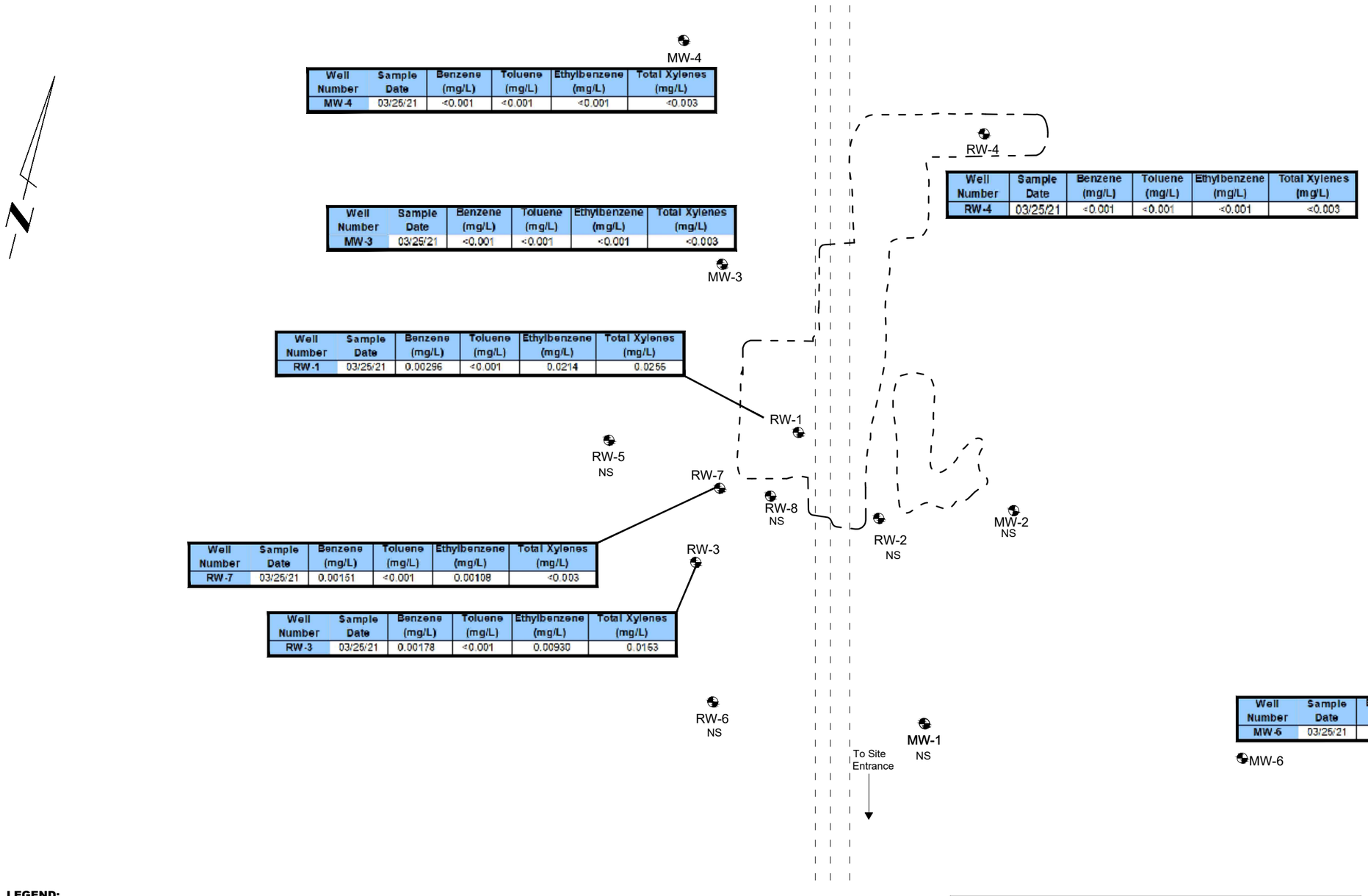
Figure 3D
4th Quarter 2021 - Groundwater Gradient Map
December 16, 2021
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015	DATE: 01/22



Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	03/25/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-4	03/25/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	03/25/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-1	03/25/21	0.00296	<0.001	0.0214	0.0255

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-7	03/25/21	0.00151	<0.001	0.00108	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-3	03/25/21	0.00178	<0.001	0.00930	0.0153

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	03/25/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	03/25/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	03/25/21	<0.001	<0.001	<0.001	<0.003

LEGEND:

- MW - Monitoring or Recovery Well Location
- ---- - Excavation Extent
- – – – - Buried Pipeline

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.

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Figure 4A
1st Quarter 2021 Groundwater Analytical Map
March 25, 2021
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 4/21

MW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	06/17/21	<0.001	<0.001	<0.001	<0.003

RW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-4	06/18/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	06/18/21	<0.001	<0.001	<0.001	<0.003

MW-3

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-1	06/17/21	0.00714	<0.001	0.0322	0.0320

RW-1

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-5	06/18/21	<0.001	<0.001	<0.001	<0.003

RW-5

RW-7

RW-8

RW-2

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	06/18/21	<0.001	<0.001	<0.001	<0.003

MW-2

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-7	06/18/21	<0.001	<0.001	0.00179	<0.003

RW-3

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-2	06/17/21	0.00410	0.00201	0.0205	0.0490

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-3	06/18/21	<0.001	<0.001	0.00449	0.00619

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-8	06/18/21	0.00498	<0.001	0.0417	0.0832

RW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-6	06/18/21	<0.001	<0.001	<0.001	<0.003

To Site Entrance

MW-1

MW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	06/18/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-1	06/17/21	<0.001	<0.001	<0.001	<0.003

MW-7

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	06/17/21	<0.001	<0.001	<0.001	<0.003

MW-5

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	06/18/21	<0.001	<0.001	<0.001	<0.003

LEGEND:

- **MW** - Monitoring or Recovery Well Location
- ---- - Excavation Extent
- – – – - Buried Pipeline

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.

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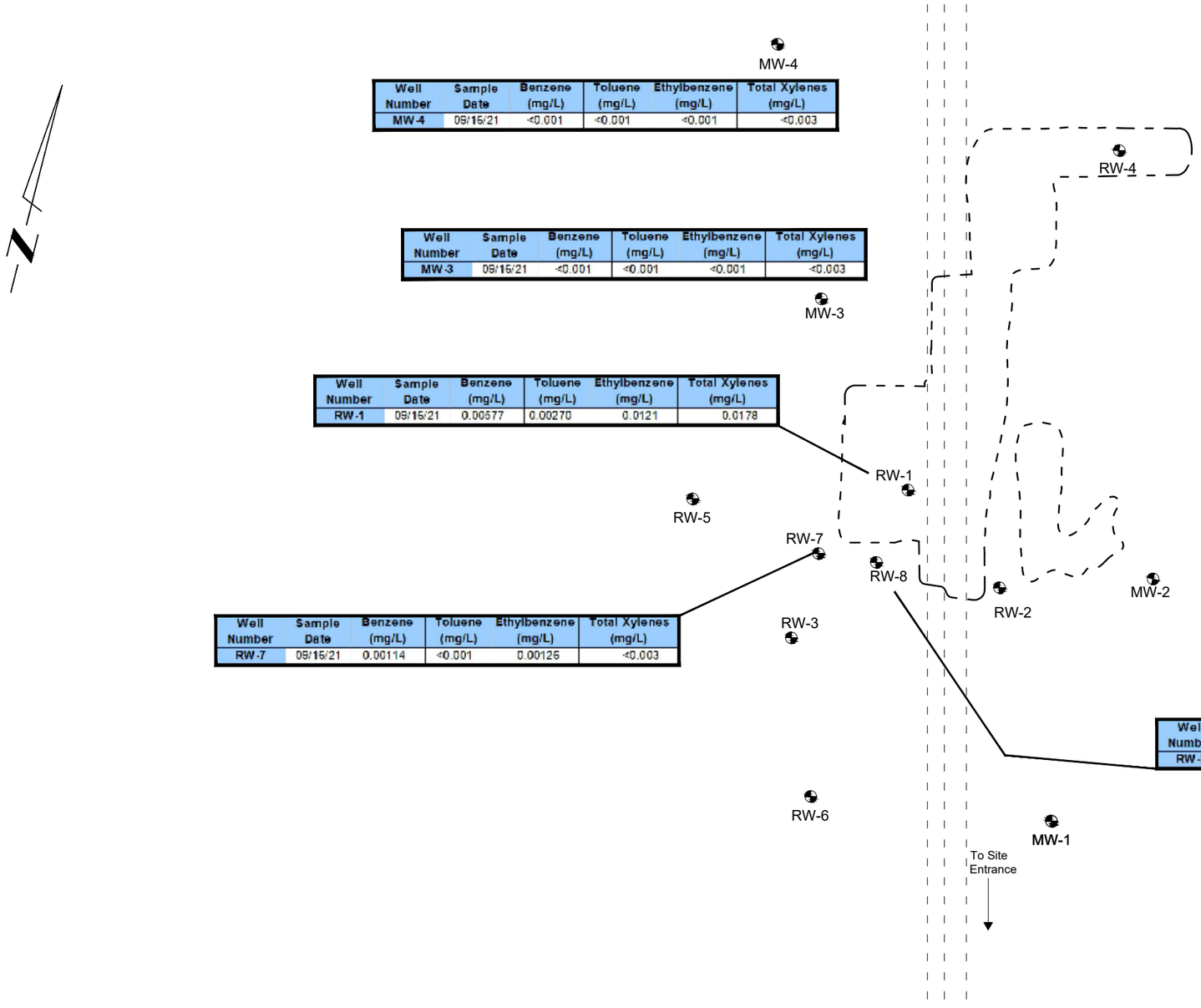
Figure 4B
2nd Quarter 2021 Groundwater Analytical Map
June 17 & 18, 2021
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 7/21



Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	09/15/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	09/15/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-1	09/15/21	0.00577	0.00270	0.0121	0.0178

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-7	09/15/21	0.00114	<0.001	0.00125	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-8	09/15/21	**0.0265**	<0.001	0.0519	0.0913

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	09/15/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	09/15/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	09/15/21	<0.001	<0.001	<0.001	<0.003

LEGEND:

- **MW** - Monitoring or Recovery Well Location
- ---- - Excavation Extent
- – – – - Buried Pipeline

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.

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Figure 4C
3rd Quarter 2021 Groundwater Analytical Map
September 16, 2021
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 10/21

N

MW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	12/16/21	<0.001	<0.001	<0.001	<0.003

RW-4

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-4	12/15/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	12/16/21	<0.001	<0.001	<0.001	<0.003

MW-3

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-1	12/15/21	0.00454	<0.001	0.0149	0.0158

RW-1

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-5	12/16/21	<0.001	<0.001	<0.001	<0.003

RW-5

RW-7

RW-8

RW-2

MW-2

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	12/16/21	<0.001	<0.001	<0.001	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-7	12/15/21	0.00126	<0.001	<0.001	<0.003

RW-3

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-8	12/16/21	0.00552	<0.001	0.0230	0.0545

RW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-6	12/16/21	<0.001	<0.001	<0.001	<0.003

MW-1

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-1	12/16/21	<0.001	<0.001	<0.001	<0.003

To Site Entrance

MW-6

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	12/16/21	<0.001	<0.001	<0.001	<0.003

MW-7

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	12/15/21	<0.001	<0.001	<0.001	<0.003

MW-5

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	12/16/21	<0.001	<0.001	<0.001	<0.003

LEGEND:

- **MW** - Monitoring or Recovery Well Location
- ---- - Excavation Extent
- – – – - Buried Pipeline

Concentrations in **BOLD** exceed the NMOCD Remediation Criteria for the Site.

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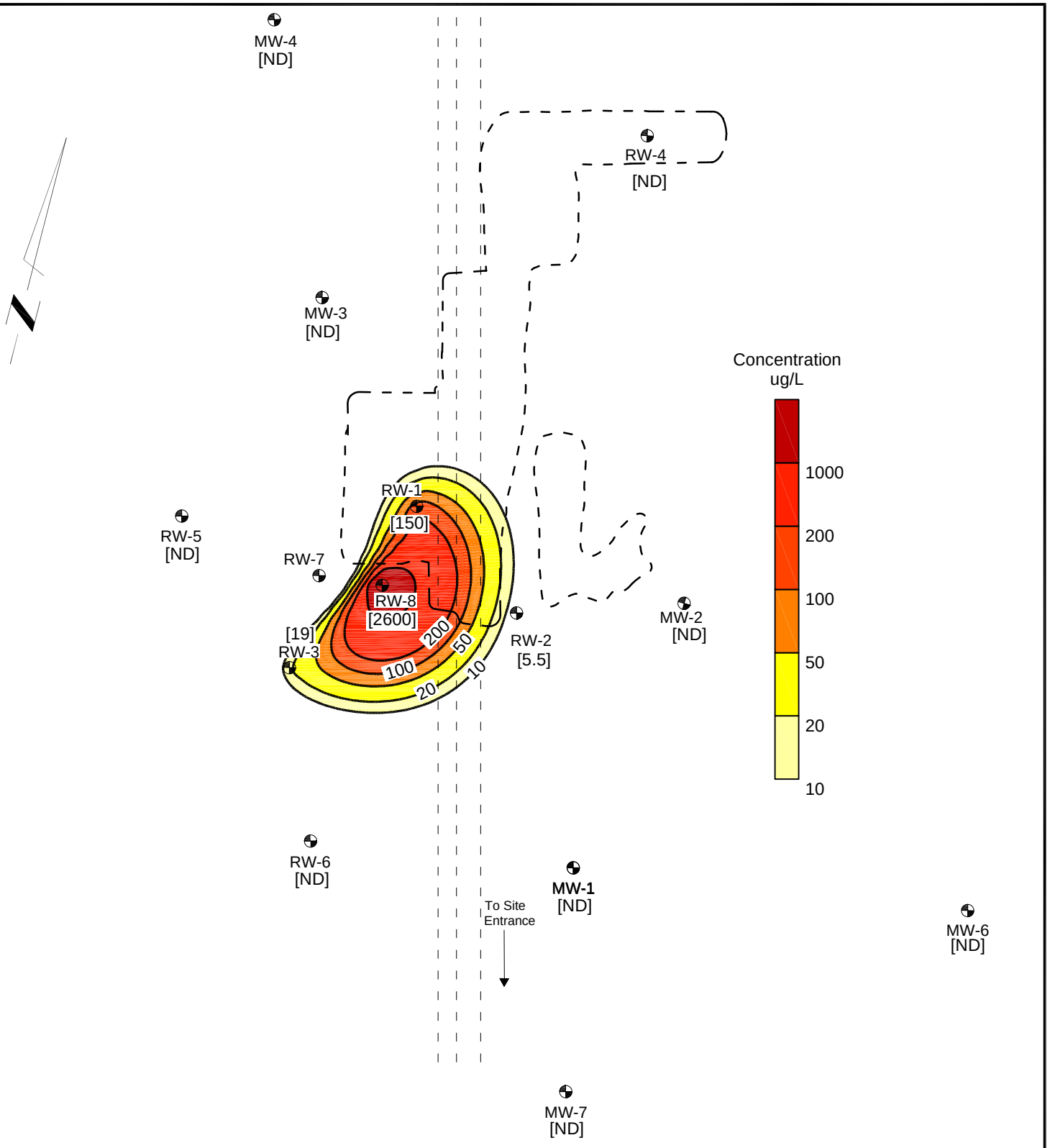
Figure 4D
4th Quarter 2021 Groundwater Analytical Map
December 16, 2021
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 01/22



LEGEND:

MW	- Monitoring or Recovery Well Location
[550]	- Benzene Concentration in ug/L
ND	- Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2015.

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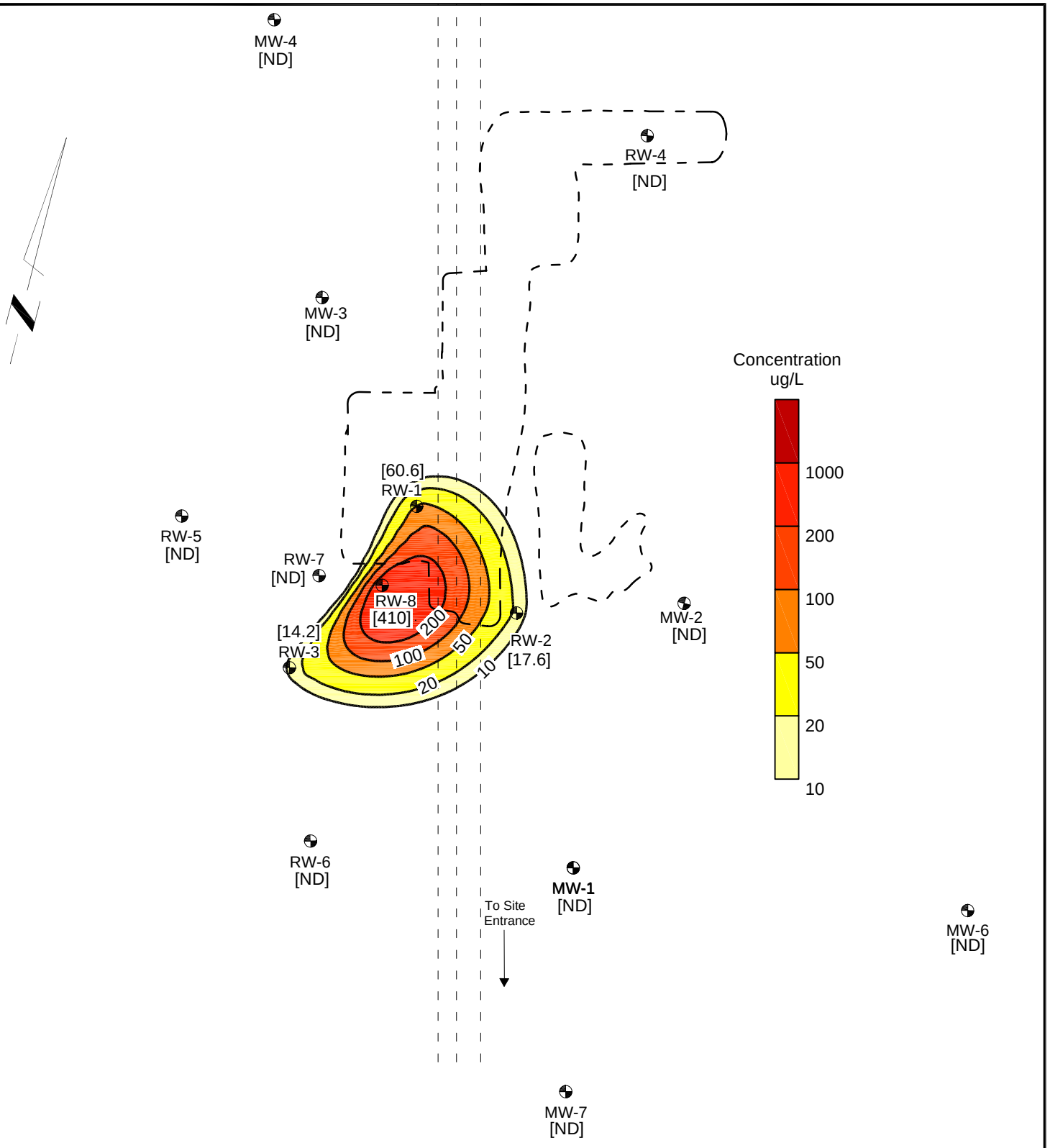
Figure 5
2015 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

MW	- Monitoring or Recovery Well Location
[550]	- Benzene Concentration in ug/L
ND	- Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2016.

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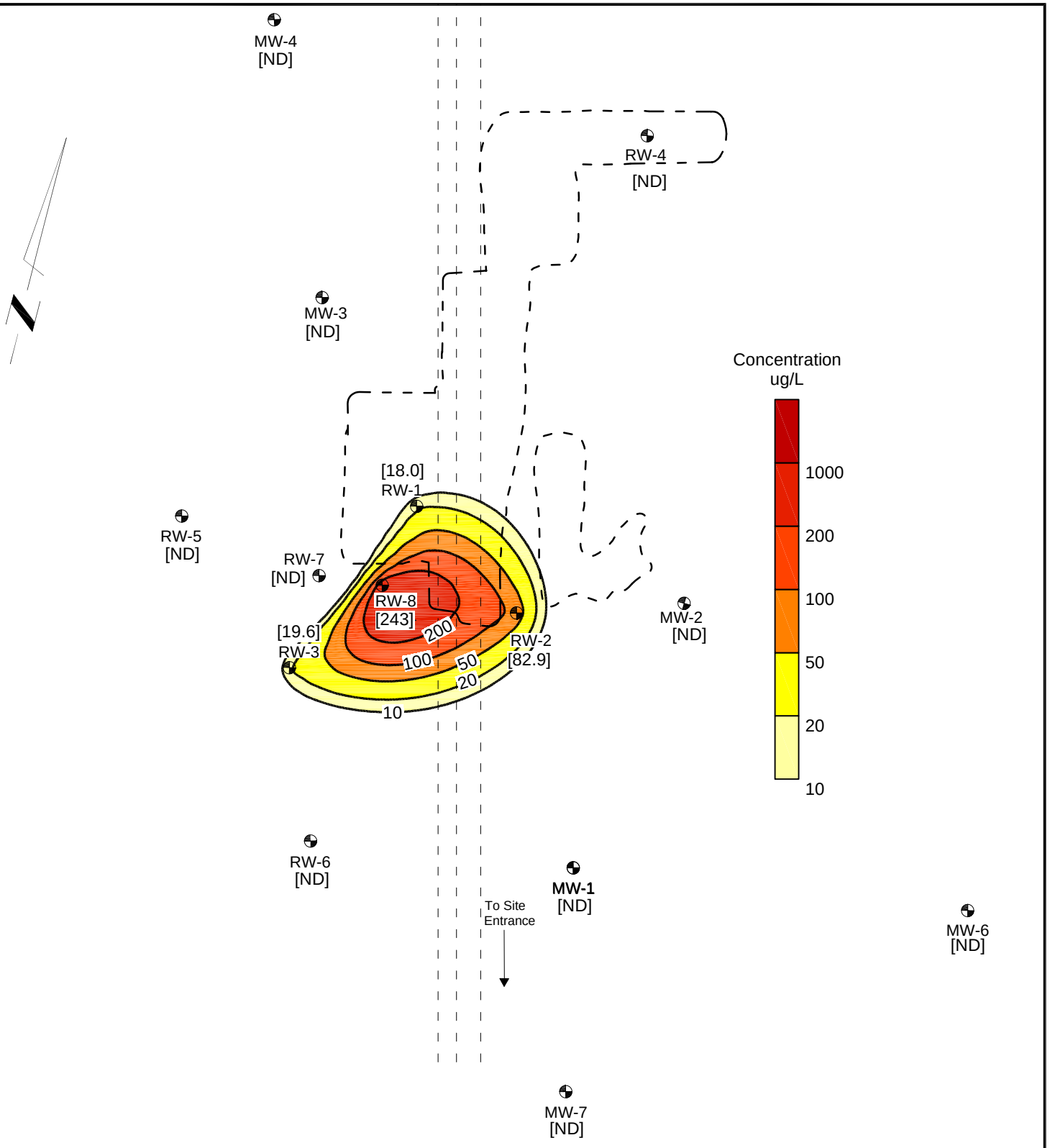
Figure 6
2016 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

MW	- Monitoring or Recovery Well Location
[550]	- Benzene Concentration in ug/L
ND	- Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2017.

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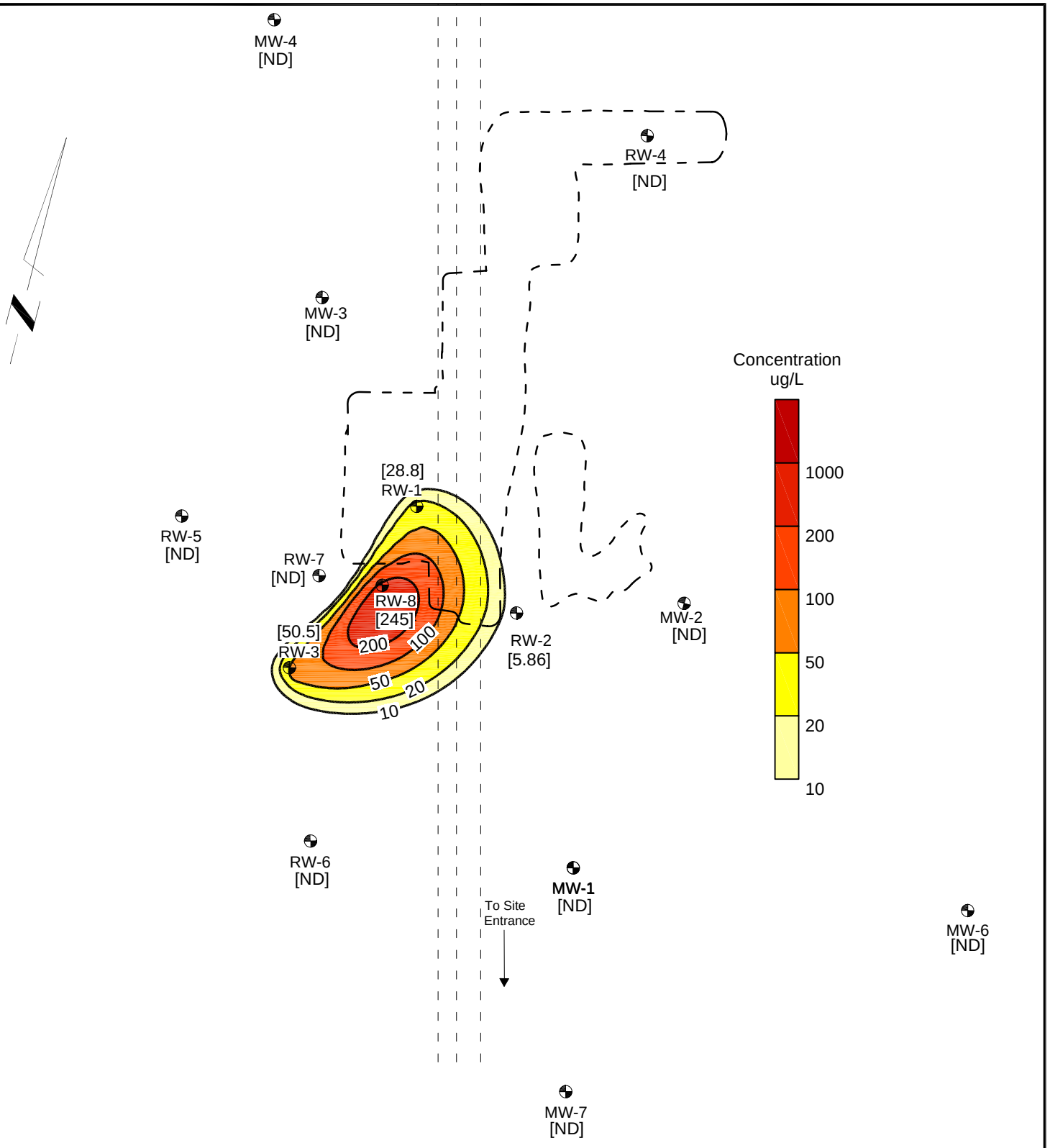
Figure 7
2017 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

MW	- Monitoring or Recovery Well Location
[550]	- Benzene Concentration in ug/L
ND	- Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2018.

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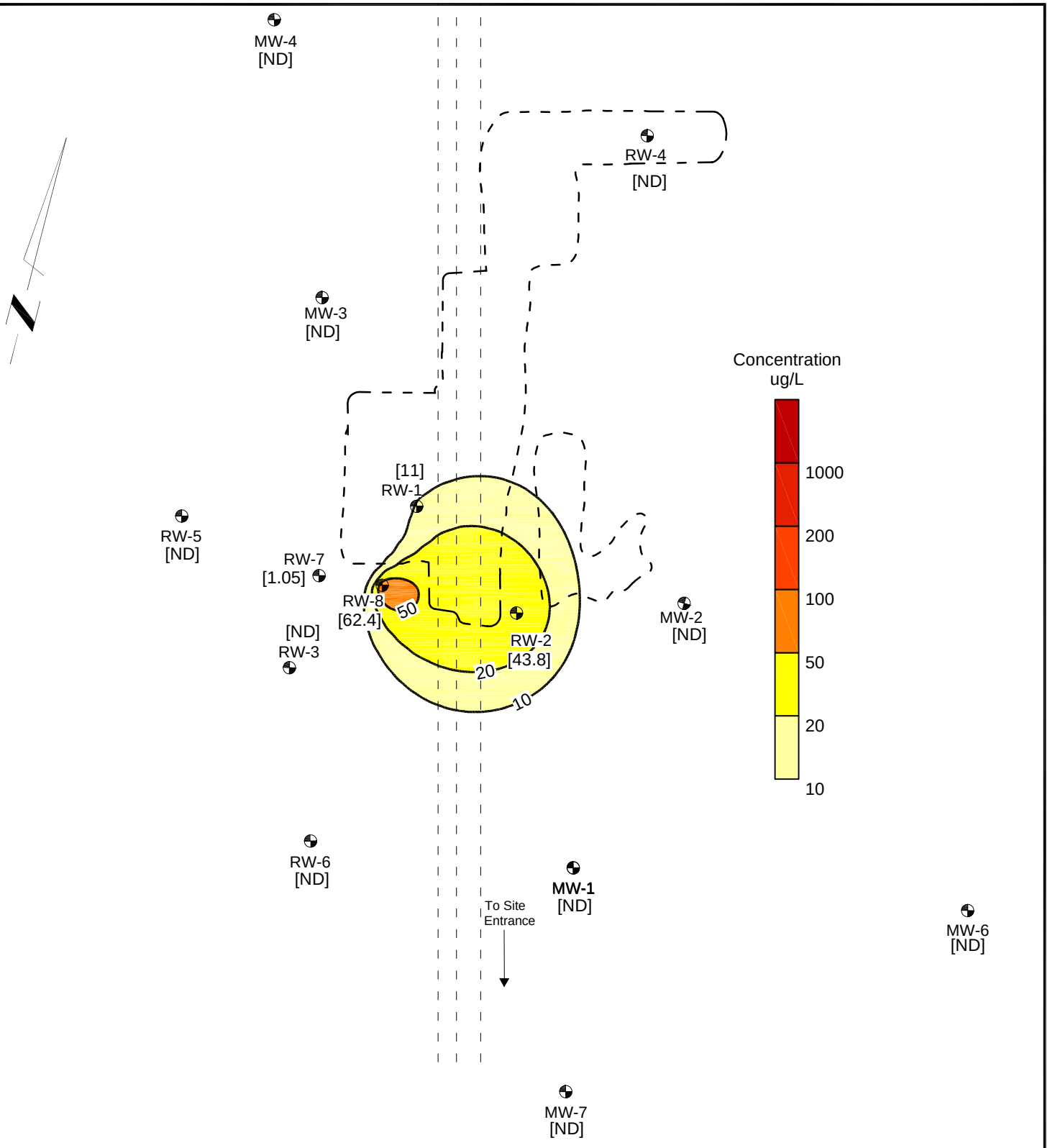
Figure 8
2018 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

MW	- Monitoring or Recovery Well Location
[550]	- Benzene Concentration in ug/L
ND	- Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2019.

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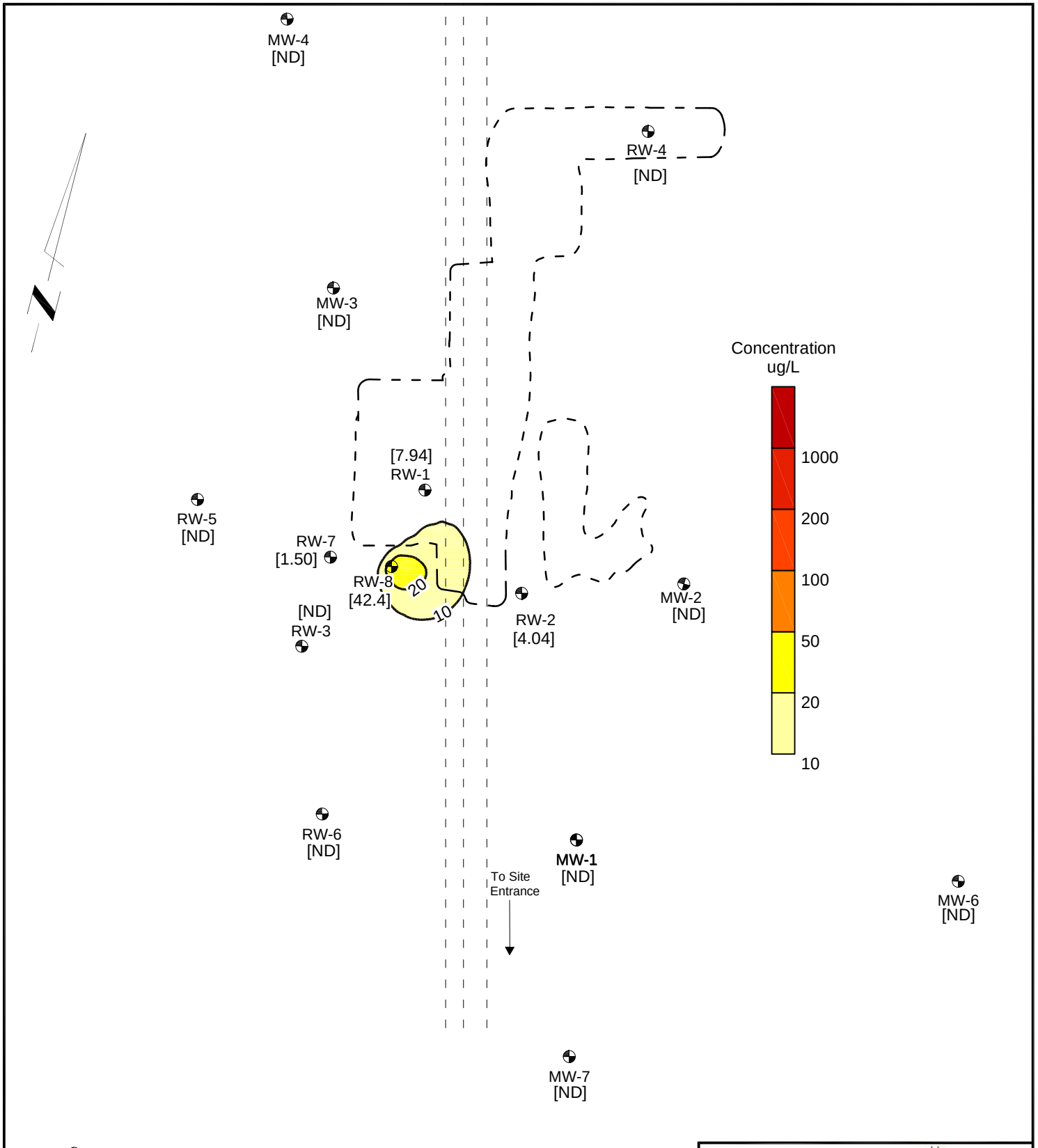
Figure 9
2019 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

MW	- Monitoring or Recovery Well Location
[550]	- Benzene Concentration in ug/L
ND	- Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2020.

0 60
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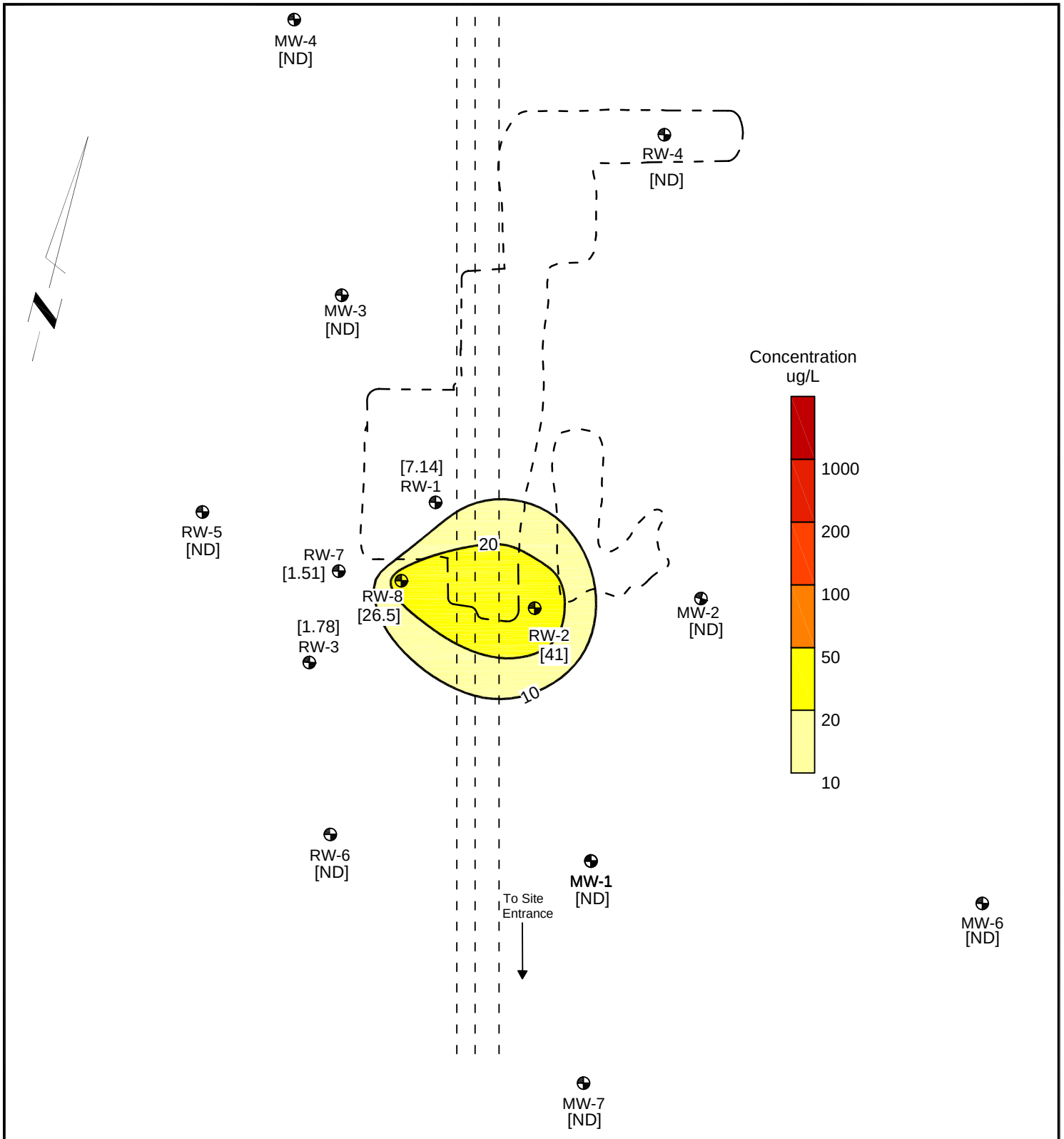
Figure 10
2020 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

MW	- Monitoring or Recovery Well Location
[550]	- Benzene Concentration in ug/L
ND	- Not Detected

NOTE:
The benzene concentrations presented on this map represent the highest concentration reported in the groundwater samples collected during the quarterly sampling events of 2021.

0 60
FEET

EnTech
Houston, TX · (281) 362-2714

Figure 11
2021 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/22

Received by OCD: 3/24/2022 2:51:48 PM

TABLES

Released to Imaging: 8/3/2022 2:37:22 PM

TABLE 1
2020-2021 Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft MSL)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft MSL)	Comments
								PSH	H_2O		
MW-1	03/17/20	3363.04	63.78	ND	49.88	ND	NA	NA	NA	3313.16	Sampled
MW-1	06/16/20	3363.04	63.78	ND	49.82	ND	NA	NA	NA	3313.22	Sampled
MW-1	09/16/20	3363.04	63.78	ND	49.88	ND	NA	NA	NA	3313.16	Sampled
MW-1	12/22/20	3363.04	63.78	ND	49.80	ND	NA	NA	NA	3313.24	Sampled
MW-1	03/25/21	3363.04	63.78	ND	49.72	ND	NA	NA	NA	3313.32	Sampled
MW-1	06/17/21	3363.04	63.78	ND	49.74	ND	NA	NA	NA	3313.30	Sampled
MW-1	09/15/21	3363.04	63.78	ND	49.79	ND	NA	NA	NA	3313.25	
MW-1	12/16/21	3363.04	63.78	ND	49.71	ND	NA	NA	NA	3313.33	Sampled
MW-2	03/17/20	3362.11	64.10	ND	48.58	ND	NA	NA	NA	3313.53	Sampled
MW-2	06/16/20	3362.11	64.10	ND	48.54	ND	NA	NA	NA	3313.57	Sampled
MW-2	09/16/20	3362.11	64.10	ND	48.56	ND	NA	NA	NA	3313.55	Sampled
MW-2	12/22/20	3362.11	64.10	ND	48.50	ND	NA	NA	NA	3313.61	Sampled
MW-2	03/25/21	3362.11	64.10	ND	48.41	ND	NA	NA	NA	3313.70	Sampled
MW-2	06/17/21	3362.11	64.10	ND	48.38	ND	NA	NA	NA	3313.73	Sampled
MW-2	09/15/21	3362.11	64.10	ND	48.48	ND	NA	NA	NA	3313.63	
MW-2	12/16/21	3362.11	64.10	ND	48.40	ND	NA	NA	NA	3313.71	Sampled
MW-3	03/17/20	3362.13	64.72	ND	48.10	ND	NA	NA	NA	3314.03	Sampled
MW-3	06/16/20	3362.13	64.72	ND	48.03	ND	NA	NA	NA	3314.10	Sampled
MW-3	09/16/20	3362.13	64.72	ND	48.09	ND	NA	NA	NA	3314.04	Sampled
MW-3	12/22/20	3362.13	64.72	ND	48.04	ND	NA	NA	NA	3314.09	Sampled
MW-3	03/25/21	3362.13	64.72	ND	47.93	ND	NA	NA	NA	3314.20	Sampled
MW-3	06/17/21	3362.13	64.72	ND	47.90	ND	NA	NA	NA	3314.23	Sampled
MW-3	09/15/21	3362.13	64.72	ND	47.99	ND	NA	NA	NA	3314.14	Sampled
MW-3	12/16/21	3362.13	64.72	ND	47.93	ND	NA	NA	NA	3314.20	Sampled
MW-4	03/17/20	3362.49	63.48	ND	48.09	ND	NA	NA	NA	3314.40	Sampled
MW-4	06/16/20	3362.49	63.48	ND	48.00	ND	NA	NA	NA	3314.49	Sampled
MW-4	09/16/20	3362.49	63.48	ND	48.05	ND	NA	NA	NA	3314.44	Sampled
MW-4	12/22/20	3362.49	63.48	ND	48.02	ND	NA	NA	NA	3314.47	Sampled
MW-4	03/25/21	3362.49	63.48	ND	47.90	ND	NA	NA	NA	3314.59	Sampled
MW-4	06/17/21	3362.49	63.48	ND	47.92	ND	NA	NA	NA	3314.57	Sampled
MW-4	09/15/21	3362.49	63.48	ND	47.96	ND	NA	NA	NA	3314.53	Sampled
MW-4	12/16/21	3362.49	63.48	ND	47.89	ND	NA	NA	NA	3314.60	Sampled
MW-5	03/17/20	3363.67	63.81	ND	50.93	ND	NA	NA	NA	3312.74	Sampled
MW-5	06/16/20	3363.67	63.81	ND	50.91	ND	NA	NA	NA	3312.76	Sampled
MW-5	09/16/20	3363.67	63.81	ND	50.94	ND	NA	NA	NA	3312.73	Sampled
MW-5	12/22/20	3363.67	63.81	ND	50.82	ND	NA	NA	NA	3312.85	Sampled
MW-5	03/25/21	3363.67	63.81	ND	50.77	ND	NA	NA	NA	3312.90	Sampled
MW-5	06/17/21	3363.67	63.81	ND	50.75	ND	NA	NA	NA	3312.92	Sampled
MW-5	09/15/21	3363.67	63.81	ND	50.85	ND	NA	NA	NA	3312.82	Sampled
MW-5	12/16/21	3363.67	63.81	ND	50.73	ND	NA	NA	NA	3312.94	Sampled

TABLE 1
2020-2021 Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft MSL)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft MSL)	Comments
								PSH	H_2O		
MW-6	03/17/20	3362.6	63.50	ND	49.74	ND	NA	NA	NA	3312.86	Sampled
MW-6	06/16/20	3362.6	63.50	ND	49.67	ND	NA	NA	NA	3312.93	Sampled
MW-6	09/16/20	3362.6	63.50	ND	49.72	ND	NA	NA	NA	3312.88	Sampled
MW-6	12/22/20	3362.6	63.50	ND	49.64	ND	NA	NA	NA	3312.96	Sampled
MW-6	03/25/21	3362.6	63.50	ND	49.60	ND	NA	NA	NA	3313.00	Sampled
MW-6	06/17/21	3362.6	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	09/15/21	3362.6	63.50	ND	49.62	ND	NA	NA	NA	3312.98	Sampled
MW-6	12/16/21	3362.6	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-7	03/17/20	3362.75	63.75	ND	49.93	ND	NA	NA	NA	3312.82	Sampled
MW-7	06/16/20	3362.75	63.75	ND	49.88	ND	NA	NA	NA	3312.87	Sampled
MW-7	09/16/20	3362.75	63.75	ND	49.93	ND	NA	NA	NA	3312.82	Sampled
MW-7	12/22/20	3362.75	63.75	ND	49.84	ND	NA	NA	NA	3312.91	Sampled
MW-7	03/25/21	3362.75	63.75	ND	49.76	ND	NA	NA	NA	3312.99	Sampled
MW-7	06/17/21	3362.75	63.75	ND	49.77	ND	NA	NA	NA	3312.98	Sampled
MW-7	09/15/21	3362.75	63.75	ND	49.83	ND	NA	NA	NA	3312.92	Sampled
MW-7	12/16/21	3362.75	63.75	ND	49.74	ND	NA	NA	NA	3313.01	Sampled
RW-1	03/17/20	3362.10	61.65	Sheen	48.59	Sheen	NA	Sheen	10.00	3313.51	
RW-1	06/16/20	3362.10	61.65	Sheen	48.51	Sheen	NA	Sheen	10.00	3313.59	
RW-1	09/16/20	3362.10	61.65	Sheen	48.52	Sheen	NA	Sheen	10.00	3313.58	
RW-1	12/22/20	3362.10	61.65	ND	48.54	ND	NA	Sheen	10.00	3313.56	
RW-1	03/25/21	3362.10	61.65	Sheen	48.41	Sheen	NA	Sheen	10.00	3313.69	
RW-1	06/17/21	3362.10	61.65	Sheen	48.38	Sheen	NA	Sheen	10.00	3313.72	
RW-1	09/15/21	3362.10	61.65	Sheen	48.48	Sheen	NA	Sheen	10.00	3313.62	
RW-1	12/16/21	3362.10	61.65	Sheen	48.42	Sheen	NA	Sheen	10.00	3313.68	
RW-2	03/17/20	3362.00	63.40	48.74	48.85	0.11	NA	0.25	9.75	3313.24	
RW-2	06/16/20	3362.00	63.40	48.68	48.76	0.08	NA	0.25	9.75	3313.31	
RW-2	09/16/20	3362.00	63.40	48.69	48.80	0.11	NA	0.25	9.75	3313.29	
RW-2	12/22/20	3362.00	63.40	48.68	48.75	0.07	NA	0.25	9.75	3313.31	
RW-2	03/25/21	3362.00	63.40	48.58	48.76	0.18	NA	0.25	9.75	3313.39	
RW-2	06/17/21	3362.00	63.40	48.55	49.00	0.45	NA	0.25	9.75	3313.38	
RW-2	09/15/21	3362.00	63.40	48.62	48.66	0.04	NA	0.25	9.75	3313.37	
RW-2	12/16/21	3362.00	63.40	48.56	48.62	0.06	NA	0.25	9.75	3313.43	
RW-3	03/17/20	3361.93	63.80	49.28	49.29	0.01	NA	0.25	9.75	3312.65	
RW-3	06/16/20	3361.93	63.80	sheen	49.21	sheen	NA	0.25	9.75	3312.72	
RW-3	09/16/20	3361.93	63.80	sheen	49.26	sheen	NA	0.25	9.75	3312.67	
RW-3	12/22/20	3361.93	63.80	49.22	49.23	0.01	NA	0.25	9.75	3312.71	
RW-3	03/25/21	3361.93	63.80	sheen	49.10	sheen	NA	0.25	9.75	3312.83	
RW-3	06/17/21	3361.93	63.80	sheen	49.07	sheen	NA	0.25	9.75	3312.86	
RW-3	09/15/21	3361.93	63.80	49.17	49.19	0.02	NA	0.25	9.75	3312.76	
RW-3	12/16/21	3361.93	63.80	49.10	49.11	0.01	NA	0.25	9.75	3312.83	

TABLE 1
2020-2021 Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft MSL)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft MSL)	Comments
								PSH	H_2O		
RW-4	03/17/20	3363.22	63.65	ND	49.02	ND	NA	NA	NA	3314.20	Sampled
RW-4	06/16/20	3363.22	63.65	ND	48.94	ND	NA	NA	NA	3314.28	Sampled
RW-4	09/16/20	3363.22	63.65	ND	49.00	ND	NA	NA	NA	3314.22	Sampled
RW-4	12/22/20	3363.22	63.65	ND	48.95	ND	NA	NA	NA	3314.27	Sampled
RW-4	03/25/21	3363.22	63.65	ND	48.84	ND	NA	NA	NA	3314.38	Sampled
RW-4	06/17/21	3363.22	63.65	ND	48.81	ND	NA	NA	NA	3314.41	Sampled
RW-4	09/15/21	3363.22	63.65	ND	48.90	ND	NA	NA	NA	3314.32	Sampled
RW-4	12/16/21	3363.22	63.65	ND	48.82	ND	NA	NA	NA	3314.40	Sampled
RW-5	03/17/20	3362.38	64.07	ND	48.66	ND	NA	NA	NA	3313.72	Sampled
RW-5	06/16/20	3362.38	64.07	ND	48.60	ND	NA	NA	NA	3313.78	Sampled
RW-5	09/16/20	3362.38	64.07	ND	48.65	ND	NA	NA	NA	3313.73	Sampled
RW-5	12/22/20	3362.38	64.07	ND	48.60	ND	NA	NA	NA	3313.78	Sampled
RW-5	03/25/21	3362.38	64.07	ND	48.48	ND	NA	NA	NA	3313.90	Sampled
RW-5	06/17/21	3362.38	64.07	ND	48.44	ND	NA	NA	NA	3313.94	Sampled
RW-5	09/15/21	3362.38	64.07	ND	48.54	ND	NA	NA	NA	3313.84	Sampled
RW-5	12/16/21	3362.38	64.07	ND	48.45	ND	NA	NA	NA	3313.93	Sampled
RW-6	03/17/20	3363.11	64.27	ND	49.92	ND	NA	NA	NA	3313.19	Sampled
RW-6	06/16/20	3363.11	64.27	ND	49.88	ND	NA	NA	NA	3313.23	Sampled
RW-6	09/16/20	3363.11	64.27	ND	49.95	ND	NA	NA	NA	3313.16	Sampled
RW-6	12/22/20	3363.11	64.27	ND	49.96	ND	NA	NA	NA	3313.15	Sampled
RW-6	03/25/21	3363.11	64.27	ND	49.76	ND	NA	NA	NA	3313.35	Sampled
RW-6	06/17/21	3363.11	64.27	ND	49.75	ND	NA	NA	NA	3313.36	Sampled
RW-6	09/15/21	3363.11	64.27	ND	49.85	ND	NA	NA	NA	3313.26	Sampled
RW-6	12/16/21	3363.11	64.27	ND	49.75	ND	NA	NA	NA	3313.36	Sampled
RW-7	03/17/20	3362.52	68.56	ND	48.62	ND	NA	NA	NA	3313.90	Sampled
RW-7	06/16/20	3362.52	68.56	ND	48.56	ND	NA	NA	NA	3313.96	Sampled
RW-7	09/16/20	3362.52	68.56	ND	48.61	ND	NA	NA	NA	3313.91	Sampled
RW-7	12/22/20	3362.52	68.56	ND	48.58	ND	NA	NA	NA	3313.94	Sampled
RW-7	03/25/21	3362.52	68.56	ND	48.45	ND	NA	NA	NA	3314.07	Sampled
RW-7	06/17/21	3362.52	68.56	ND	48.42	ND	NA	NA	NA	3314.10	Sampled
RW-7	09/15/21	3362.52	68.56	ND	48.50	ND	NA	NA	NA	3314.02	Sampled
RW-7	12/16/21	3362.52	68.56	ND	48.41	ND	NA	NA	NA	3314.11	Sampled
RW-8	03/17/20	3362.52	68.34	49.23	49.24	0.01	NA	2.00	23.00	3313.29	
RW-8	06/16/20	3362.52	68.34	sheen	49.20	sheen	NA	2.00	23.00	3313.32	Sampled
RW-8	09/16/20	3362.52	68.34	49.15	49.22	0.07	NA	2.00	23.00	3313.36	
RW-8	12/22/20	3362.52	68.34	49.18	50.00	0.82	NA	2.00	23.00	3313.22	
RW-8	03/25/21	3362.52	68.34	49.06	49.31	0.25	NA	2.00	18.00	3313.42	
RW-8	06/17/21	3362.52	68.34	49.05	49.15	0.10	NA	2.00	23.00	3313.46	Sampled
RW-8	09/15/21	3362.52	68.34	49.14	49.18	0.04	NA	2.00	23.00	3313.37	
RW-8	12/16/21	3362.52	68.34	sheen	4909.00	sheen	NA	2.00	23.00	-1546.48	Sampled

NA: Not applicable
ND: Not detected
ft - feet
MSL - mean sea level

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-1	03/06/18	3363.04	63.78	ND	50.68	ND	NA	NA	NA	3312.36	Sampled
MW-1	06/12/18	3363.04	63.78	ND	50.54	ND	NA	NA	NA	3312.50	Sampled
MW-1	09/05/18	3363.04	63.78	ND	50.53	ND	NA	NA	NA	3312.51	Sampled
MW-1	11/27/18	3363.04	63.78	ND	50.41	ND	NA	NA	NA	3312.63	Sampled
MW-1	02/12/19	3363.04	63.78	ND	50.35	ND	NA	NA	NA	3312.69	Sampled
MW-1	05/08/19	3363.04	63.78	ND	50.11	ND	NA	NA	NA	3312.93	Sampled
MW-1	08/21/19	3363.04	63.78	ND	50.12	ND	NA	NA	NA	3312.92	Sampled
MW-1	11/05/19	3363.04	63.78	ND	50.08	ND	NA	NA	NA	3312.96	Sampled
MW-1	03/17/20	3363.04	63.78	ND	49.88	ND	NA	NA	NA	3313.16	Sampled
MW-1	06/16/20	3363.04	63.78	ND	49.82	ND	NA	NA	NA	3313.22	Sampled
MW-1	09/16/20	3363.04	63.78	ND	49.88	ND	NA	NA	NA	3313.16	Sampled
MW-1	12/22/20	3363.04	63.78	ND	49.80	ND	NA	NA	NA	3313.24	Sampled
MW-1	03/25/21	3363.04	63.78	ND	49.72	ND	NA	NA	NA	3313.32	Sampled
MW-1	06/17/21	3363.04	63.78	ND	49.74	ND	NA	NA	NA	3313.30	Sampled
MW-1	09/15/21	3363.04	63.78	ND	49.79	ND	NA	NA	NA	3313.25	Sampled
MW-1	12/16/21	3363.04	63.78	ND	49.71	ND	NA	NA	NA	3313.33	Sampled
MW-2	03/06/18	3362.11	64.10	ND	49.40	ND	NA	NA	NA	3312.71	Sampled
MW-2	06/12/18	3362.11	64.10	ND	49.26	ND	NA	NA	NA	3312.85	Sampled
MW-2	09/05/18	3362.11	64.10	ND	49.22	ND	NA	NA	NA	3312.89	Sampled
MW-2	11/27/18	3362.11	64.10	ND	49.26	ND	NA	NA	NA	3312.85	Sampled
MW-2	02/12/19	3362.11	64.10	ND	49.03	ND	NA	NA	NA	3313.08	Sampled
MW-2	05/08/19	3362.11	64.10	ND	48.80	ND	NA	NA	NA	3313.31	Sampled
MW-2	08/21/19	3362.11	64.10	ND	48.80	ND	NA	NA	NA	3313.31	Sampled
MW-2	11/05/19	3362.11	64.10	ND	48.78	ND	NA	NA	NA	3313.33	Sampled
MW-2	03/17/20	3362.11	64.10	ND	48.58	ND	NA	NA	NA	3313.53	Sampled
MW-2	06/16/20	3362.11	64.10	ND	48.54	ND	NA	NA	NA	3313.57	Sampled
MW-2	09/16/20	3362.11	64.10	ND	48.56	ND	NA	NA	NA	3313.55	Sampled
MW-2	12/22/20	3362.11	64.10	ND	48.50	ND	NA	NA	NA	3313.61	Sampled
MW-2	03/25/21	3362.11	64.10	ND	48.41	ND	NA	NA	NA	3313.70	Sampled
MW-2	06/17/21	3362.11	64.10	ND	48.38	ND	NA	NA	NA	3313.73	Sampled
MW-2	09/15/21	3362.11	64.10	ND	48.48	ND	NA	NA	NA	3313.63	Sampled
MW-2	12/16/21	3362.11	64.10	ND	48.40	ND	NA	NA	NA	3313.71	Sampled
MW-3	03/06/18	3362.13	64.72	ND	48.94	ND	NA	NA	NA	3313.19	Sampled
MW-3	06/12/18	3362.13	64.72	ND	48.78	ND	NA	NA	NA	3313.35	Sampled
MW-3	09/05/18	3362.13	64.72	ND	48.75	ND	NA	NA	NA	3313.38	Sampled
MW-3	11/27/18	3362.13	64.72	ND	48.64	ND	NA	NA	NA	3313.49	Sampled
MW-3	02/12/19	3362.13	64.72	ND	48.55	ND	NA	NA	NA	3313.58	Sampled
MW-3	05/08/19	3362.13	64.72	ND	48.32	ND	NA	NA	NA	3313.81	Sampled

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-3	08/21/19	3362.13	64.72	ND	48.32	ND	NA	NA	NA	3313.81	Sampled
MW-3	11/05/19	3362.13	64.72	ND	48.28	ND	NA	NA	NA	3313.85	Sampled
MW-3	03/17/20	3362.13	64.72	ND	48.10	ND	NA	NA	NA	3314.03	Sampled
MW-3	06/16/20	3362.13	64.72	ND	48.03	ND	NA	NA	NA	3314.10	Sampled
MW-3	09/16/20	3362.13	64.72	ND	48.09	ND	NA	NA	NA	3314.04	Sampled
MW-3	12/22/20	3362.13	64.72	ND	48.04	ND	NA	NA	NA	3314.09	Sampled
MW-3	03/25/21	3362.13	64.72	ND	47.93	ND	NA	NA	NA	3314.20	Sampled
MW-3	06/17/21	3362.13	64.72	ND	47.90	ND	NA	NA	NA	3314.23	Sampled
MW-3	09/15/21	3362.13	64.72	ND	47.99	ND	NA	NA	NA	3314.14	Sampled
MW-3	12/16/21	3362.13	64.72	ND	47.93	ND	NA	NA	NA	3314.20	Sampled
MW-4	03/06/18	3362.49	63.48	ND	48.92	ND	NA	NA	NA	3313.57	Sampled
MW-4	06/12/18	3362.49	63.48	ND	48.74	ND	NA	NA	NA	3313.75	Sampled
MW-4	09/05/18	3362.49	63.48	ND	48.71	ND	NA	NA	NA	3313.78	Sampled
MW-4	11/27/18	3362.49	63.48	ND	48.60	ND	NA	NA	NA	3313.89	Sampled
MW-4	02/12/19	3362.49	63.48	ND	48.64	ND	NA	NA	NA	3313.85	Sampled
MW-4	05/08/19	3362.49	63.48	ND	48.29	ND	NA	NA	NA	3314.20	Sampled
MW-4	08/21/19	3362.49	63.48	ND	48.28	ND	NA	NA	NA	3314.21	Sampled
MW-4	11/05/19	3362.49	63.48	ND	48.25	ND	NA	NA	NA	3314.24	Sampled
MW-4	03/17/20	3362.49	63.48	ND	48.09	ND	NA	NA	NA	3314.40	Sampled
MW-4	06/16/20	3362.49	63.48	ND	48.00	ND	NA	NA	NA	3314.49	Sampled
MW-4	09/16/20	3362.49	63.48	ND	48.05	ND	NA	NA	NA	3314.44	Sampled
MW-4	12/22/20	3362.49	63.48	ND	48.02	ND	NA	NA	NA	3314.47	Sampled
MW-4	03/25/21	3362.49	63.48	ND	47.90	ND	NA	NA	NA	3314.59	Sampled
MW-4	06/17/21	3362.49	63.48	ND	47.92	ND	NA	NA	NA	3314.57	Sampled
MW-4	09/15/21	3362.49	63.48	ND	47.96	ND	NA	NA	NA	3314.53	Sampled
MW-4	12/16/21	3362.49	63.48	ND	47.89	ND	NA	NA	NA	3314.60	Sampled
MW-5	03/06/18	3363.67	63.81	ND	51.70	ND	NA	NA	NA	3311.97	Sampled
MW-5	06/12/18	3363.67	63.81	ND	51.58	ND	NA	NA	NA	3312.09	Sampled
MW-5	09/05/18	3363.67	63.81	ND	51.56	ND	NA	NA	NA	3312.11	Sampled
MW-5	11/27/18	3363.67	63.81	ND	51.47	ND	NA	NA	NA	3312.20	Sampled
MW-5	02/13/19	3363.67	63.81	ND	51.40	ND	NA	NA	NA	3312.27	Sampled
MW-5	05/08/19	3363.67	63.81	ND	51.12	ND	NA	NA	NA	3312.55	Sampled
MW-5	08/21/19	3363.67	63.81	ND	51.16	ND	NA	NA	NA	3312.51	Sampled
MW-5	11/05/19	3363.67	63.81	ND	51.12	ND	NA	NA	NA	3312.55	Sampled
MW-5	03/17/20	3363.67	63.81	ND	50.93	ND	NA	NA	NA	3312.74	Sampled
MW-5	06/16/20	3363.67	63.81	ND	50.91	ND	NA	NA	NA	3312.76	Sampled
MW-5	09/16/20	3363.67	63.81	ND	50.94	ND	NA	NA	NA	3312.73	Sampled
MW-5	12/22/20	3363.67	63.81	ND	50.82	ND	NA	NA	NA	3312.85	Sampled

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-5	03/25/21	3363.67	63.81	ND	50.77	ND	NA	NA	NA	3312.90	Sampled
MW-5	06/17/21	3363.67	63.81	ND	50.75	ND	NA	NA	NA	3312.92	Sampled
MW-5	09/15/21	3363.67	63.81	ND	50.85	ND	NA	NA	NA	3312.82	Sampled
MW-5	12/16/21	3363.67	63.81	ND	50.73	ND	NA	NA	NA	3312.94	Sampled
MW-6	03/06/18	3362.6	63.50	ND	50.54	ND	NA	NA	NA	3312.06	Sampled
MW-6	06/12/18	3362.6	63.50	ND	50.41	ND	NA	NA	NA	3312.19	Sampled
MW-6	09/05/18	3362.6	63.50	ND	50.39	ND	NA	NA	NA	3312.21	Sampled
MW-6	11/27/18	3362.6	63.50	ND	50.22	ND	NA	NA	NA	3312.38	Sampled
MW-6	02/12/19	3362.6	63.50	ND	50.15	ND	NA	NA	NA	3312.45	Sampled
MW-6	05/08/19	3362.6	63.50	ND	49.95	ND	NA	NA	NA	3312.65	Sampled
MW-6	08/21/19	3362.6	63.50	ND	49.95	ND	NA	NA	NA	3312.65	Sampled
MW-6	11/05/19	3362.6	63.50	ND	49.96	ND	NA	NA	NA	3312.64	Sampled
MW-6	03/17/20	3362.6	63.50	ND	49.74	ND	NA	NA	NA	3312.86	Sampled
MW-6	06/16/20	3362.6	63.50	ND	49.67	ND	NA	NA	NA	3312.93	Sampled
MW-6	09/16/20	3362.6	63.50	ND	49.72	ND	NA	NA	NA	3312.88	Sampled
MW-6	12/22/20	3362.6	63.50	ND	49.64	ND	NA	NA	NA	3312.96	Sampled
MW-6	03/25/21	3362.6	63.50	ND	49.60	ND	NA	NA	NA	3313.00	Sampled
MW-6	06/17/21	3362.6	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	09/15/21	3362.6	63.50	ND	49.62	ND	NA	NA	NA	3312.98	Sampled
MW-6	12/16/21	3362.6	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-7	03/06/18	3362.75	63.75	ND	50.71	ND	NA	NA	NA	3312.04	Sampled
MW-7	06/12/18	3362.75	63.75	ND	50.58	ND	NA	NA	NA	3312.17	
MW-7	09/05/18	3362.75	63.75	ND	50.58	ND	NA	NA	NA	3312.17	Sampled
MW-7	11/27/18	3362.75	63.75	ND	50.45	ND	NA	NA	NA	3312.30	Sampled
MW-7	02/12/19	3362.75	63.75	ND	50.39	ND	NA	NA	NA	3312.36	Sampled
MW-7	05/08/19	3362.75	63.75	ND	50.13	ND	NA	NA	NA	3312.62	Sampled
MW-7	08/21/19	3362.75	63.75	ND	50.16	ND	NA	NA	NA	3312.59	Sampled
MW-7	11/05/19	3362.75	63.75	ND	50.12	ND	NA	NA	NA	3312.63	Sampled
MW-7	03/17/20	3362.75	63.75	ND	49.93	ND	NA	NA	NA	3312.82	Sampled
MW-7	06/16/20	3362.75	63.75	ND	49.88	ND	NA	NA	NA	3312.87	Sampled
MW-7	09/16/20	3362.75	63.75	ND	49.93	ND	NA	NA	NA	3312.82	Sampled
MW-7	12/22/20	3362.75	63.75	ND	49.84	ND	NA	NA	NA	3312.91	Sampled
MW-7	03/25/21	3362.75	63.75	ND	49.76	ND	NA	NA	NA	3312.99	Sampled
MW-7	06/17/21	3362.75	63.75	ND	49.77	ND	NA	NA	NA	3312.98	Sampled
MW-7	09/15/21	3362.75	63.75	ND	49.83	ND	NA	NA	NA	3312.92	Sampled
MW-7	12/16/21	3362.75	63.75	ND	49.74	ND	NA	NA	NA	3313.01	Sampled
RW-1	01/03/18	3362.10	60.80	49.50	49.58	0.08	NA	sheen	10.00	3312.59	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	01/10/18	3362.10	60.80	49.45	49.50	0.05	NA	sheen	10.00	3312.64	
RW-1	01/17/18	3362.10	60.80	49.51	49.54	0.03	NA	sheen	10.00	3312.59	
RW-1	01/25/18	3362.10	60.80	49.39	49.46	0.07	NA	sheen	10.00	3312.70	
RW-1	02/01/18	3362.10	60.80	50.50	50.60	0.10	NA	sheen	10.00	3311.59	
RW-1	02/14/18	3362.10	60.80	49.33	49.37	0.04	NA	sheen	10.00	3312.76	
RW-1	02/21/18	3362.10	60.80	49.38	49.41	0.03	NA	sheen	10.00	3312.72	
RW-1	02/28/18	3362.10	60.80	49.22	49.36	0.14	NA	sheen	10.00	3312.86	
RW-1	03/06/18	3362.10	60.80	49.31	49.34	0.03	NA	NA	NA	3312.79	
RW-1	03/15/18	3362.10	60.80	49.31	49.44	0.13	NA	sheen	10.00	3312.77	
RW-1	03/22/18	3362.10	60.80	49.36	49.44	0.08	NA	sheen	10.00	3312.73	
RW-1	03/28/18	3362.10	60.80	49.35	49.56	0.21	NA	0.25	9.75	3312.72	
RW-1	04/04/18	3362.10	60.80	49.37	49.56	0.19	NA	sheen	10.00	3312.70	
RW-1	04/11/18	3362.10	60.80	49.38	49.45	0.07	NA	sheen	10.00	3312.71	
RW-1	04/19/18	3362.10	60.80	49.41	49.47	0.06	NA	sheen	10.00	3312.68	
RW-1	04/24/18	3362.10	60.80	49.45	49.52	0.07	NA	sheen	10.00	3312.64	
RW-1	05/02/18	3362.10	60.80	49.27	49.30	0.03	NA	sheen	10.00	3312.83	
RW-1	05/09/18	3362.10	60.80	49.28	49.30	0.02	NA	sheen	10.00	3312.82	
RW-1	05/15/18	3362.10	60.80	49.26	49.29	0.03	NA	sheen	10.00	3312.84	
RW-1	05/22/18	3362.10	60.80	sheen	49.24	sheen	NA	NA	10.00	3312.86	
RW-1	05/30/18	3362.10	60.80	sheen	49.30	sheen	NA	NA	10.00	3312.80	
RW-1	06/12/18	3362.10	60.80	49.24	49.28	0.04	NA	sheen	10.00	3312.85	Sampled
RW-1	06/19/18	3362.10	60.80	49.25	49.28	0.03	NA	sheen	10.00	3312.85	
RW-1	06/29/18	3362.10	60.80	49.28	49.34	0.06	NA	sheen	10.00	3312.81	
RW-1	07/05/18	3362.10	60.80	49.25	49.28	0.03	NA	0.25	9.75	3312.85	
RW-1	07/11/18	3362.10	60.80	49.27	49.30	0.03	NA	0.25	9.75	3312.83	
RW-1	07/18/18	3362.10	60.80	49.18	49.25	0.07	NA	sheen	10.00	3312.91	
RW-1	07/26/18	3362.10	60.80	49.23	49.36	0.13	NA	sheen	10.00	3312.85	
RW-1	07/31/18	3362.10	60.80	49.20	49.30	0.10	NA	sheen	10.00	3312.89	
RW-1	08/07/18	3362.10	60.80	49.16	49.26	0.10	NA	sheen	10.00	3312.93	
RW-1	08/14/18	3362.10	60.80	49.20	49.26	0.06	NA	sheen	10.00	3312.89	
RW-1	08/21/18	3362.10	60.80	49.18	49.25	0.07	NA	sheen	10.00	3312.91	
RW-1	08/30/18	3362.10	60.80	49.24	49.29	0.05	NA	sheen	10.00	3312.85	
RW-1	09/05/18	3362.10	60.80	49.22	49.26	0.04	NA	Sheen	10.00	3312.87	
RW-1	09/18/18	3362.10	60.80	49.16	49.22	0.06	NA	Sheen	10.00	3312.93	
RW-1	09/26/18	3362.10	60.80	49.20	49.25	0.05	NA	Sheen	10.00	3312.89	
RW-1	10/03/18	3362.10	60.80	49.24	49.27	0.03	NA	Sheen	10.00	3312.86	
RW-1	10/11/18	3362.10	60.80	49.21	49.27	0.06	NA	Sheen	10.00	3312.88	
RW-1	10/17/18	3362.10	60.80	49.02	49.09	0.07	NA	Sheen	10.00	3313.07	
RW-1	10/24/18	3362.10	60.80	49.11	49.20	0.09	NA	Sheen	10.00	3312.98	
RW-1	10/31/18	3362.10	60.80	49.13	49.17	0.04	NA	Sheen	10.00	3312.96	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	11/06/18	3362.10	60.80	49.11	49.13	0.02	NA	Sheen	10.00	3312.99	
RW-1	11/13/18	3362.10	60.80	49.16	49.26	0.10	NA	Sheen	10.00	3312.93	
RW-1	11/21/18	3362.10	60.80	49.19	49.20	0.01	NA	Sheen	10.00	3312.91	
RW-1	11/27/18	3362.10	61.65	49.18	49.20	0.02	NA	Sheen	10.00	3312.92	
RW-1	12/07/18	3362.10	60.80	49.20	49.25	0.05	NA	Sheen	10.00	3312.89	
RW-1	12/12/18	3362.10	60.80	49.22	49.28	0.06	NA	Sheen	10.00	3312.87	
RW-1	12/18/18	3362.10	60.80	49.18	49.25	0.07	NA	Sheen	10.00	3312.91	
RW-1	01/03/19	3362.10	60.80	49.26	49.30	0.04	NA	sheen	10.00	3312.83	
RW-1	01/08/19	3362.10	60.80	49.31	49.36	0.05	NA	sheen	10.00	3312.78	
RW-1	01/29/19	3362.10	60.80	sheen	49.00	sheen	NA	sheen	10.00	3313.10	
RW-1	02/05/19	3362.10	60.80	sheen	49.10	sheen	NA	sheen	10.00	3313.00	
RW-1	02/12/19	3362.10	60.80	49.05	49.08	0.03	NA	sheen	10.00	3313.05	Sampled
RW-1	02/27/19	3362.10	60.80	49.11	49.14	0.03	NA	sheen	10.00	3312.99	
RW-1	03/06/19	3362.10	60.80	49.14	49.18	0.04	NA	sheen	10.00	3312.95	
RW-1	03/12/19	3362.10	60.80	49.16	49.21	0.05	NA	sheen	10.00	3312.93	
RW-1	03/21/19	3362.10	60.80	49.17	49.24	0.07	NA	sheen	10.00	3312.92	
RW-1	03/28/19	3362.10	60.80	49.21	49.25	0.04	NA	sheen	10.00	3312.88	
RW-1	04/02/19	3362.10	60.80	49.18	49.26	0.08	NA	sheen	10.00	3312.91	
RW-1	04/10/19	3362.10	60.80	49.14	49.20	0.06	NA	sheen	10.00	3312.95	
RW-1	04/16/19	3362.10	60.80	49.20	49.24	0.04	NA	sheen	10.00	3312.89	
RW-1	04/24/19	3362.10	60.80	49.24	49.29	0.05	NA	sheen	10.00	3312.85	
RW-1	05/01/19	3362.10	60.80	49.76	49.78	0.02	NA	sheen	10.00	3312.34	
RW-1	05/08/19	3362.10	60.80	sheen	48.81	sheen	NA	sheen	10.00	3313.29	
RW-1	05/17/19	3362.10	60.80	48.84	48.85	0.01	NA	Sheen	10.00	3313.26	
RW-1	05/24/19	3362.10	60.80	48.87	48.89	0.02	NA	Sheen	10.00	3313.23	
RW-1	06/05/19	3362.10	60.80	48.89	48.94	0.05	NA	Sheen	10.00	3313.20	
RW-1	06/14/19	3362.10	60.80	sheen	48.78	sheen	NA	NA	NA	3313.32	
RW-1	06/20/19	3362.10	60.80	48.91	48.97	0.06	NA	Sheen	10.00	3313.18	
RW-1	06/25/19	3362.10	60.80	sheen	48.79	sheen	NA	Sheen	10.00	3313.31	
RW-1	07/02/19	3362.10	60.80	48.80	48.81	0.01	NA	Sheen	10.00	3313.30	
RW-1	07/10/19	3362.10	60.80	sheen	48.82	sheen	NA	Sheen	10.00	3313.28	
RW-1	07/26/19	3362.10	60.80	48.86	48.88	0.02	NA	Sheen	10.00	3313.24	
RW-1	08/11/19	3362.10	60.80	48.83	48.91	0.08	NA	Sheen	10.00	3313.26	
RW-1	08/14/19	3362.10	60.80	sheen	48.81	sheen	NA	Sheen	10.00	3313.29	
RW-1	08/21/19	3362.10	61.65	sheen	48.81	sheen	NA	Sheen	10.00	3313.29	
RW-1	09/06/19	3362.10	60.80	sheen	48.82	sheen	NA	NA	NA	3313.28	
RW-1	09/12/19	3362.10	60.80	sheen	48.82	sheen	NA	NA	NA	3313.28	
RW-1	09/19/19	3362.10	60.80	sheen	48.76	sheen	NA	NA	NA	3313.34	
RW-1	09/26/19	3362.10	60.80	49.20	49.25	0.05	NA	sheen	10.00	3312.89	
RW-1	10/16/19	3362.10	60.80	sheen	48.82	sheen	NA	Sheen	10.00	3313.28	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	10/23/19	3362.10	60.80	sheen	48.78	sheen	NA	NA	NA	3313.32	
RW-1	10/31/19	3362.10	60.80	ND	48.82	ND	NA	NA	NA	3313.28	
RW-1	11/05/19	3362.10	60.80	ND	48.78	ND	NA	NA	NA	3313.32	
RW-1	11/14/19	3362.10	60.80	ND	48.81	ND	NA	NA	NA	3313.29	
RW-1	11/26/19	3362.10	60.80	ND	48.71	ND	NA	NA	NA	3313.39	
RW-1	12/03/19	3362.10	60.80	ND	48.74	ND	NA	NA	NA	3313.36	
RW-1	12/13/19	3362.10	60.80	ND	48.75	ND	NA	NA	NA	3313.35	
RW-1	12/20/19	3362.10	60.80	ND	48.74	ND	NA	Sheen	10.00	3313.36	
RW-1	12/26/19	3362.10	60.80	ND	48.72	ND	NA	Sheen	10.00	3313.38	
RW-1	01/02/20	3362.10	60.80	ND	48.76	ND	NA	sheen	10.00	3313.34	
RW-1	01/09/20	3362.10	60.80	ND	48.69	ND	NA	sheen	10.00	3313.41	
RW-1	01/14/20	3362.10	60.80	ND	48.70	ND	NA	sheen	10.00	3313.40	
RW-1	01/31/20	3362.10	60.80	sheen	48.68	sheen	NA	sheen	10.00	3313.42	
RW-1	02/07/20	3362.10	60.80	48.65	48.68	0.03	NA	Sheen	10.00	3313.45	
RW-1	02/12/20	3362.10	60.80	sheen	48.63	sheen	NA	sheen	10.00	3313.47	
RW-1	02/19/20	3362.10	60.80	sheen	48.66	sheen	NA	sheen	10.00	3313.44	
RW-1	02/26/20	3362.10	60.80	sheen	48.71	sheen	NA	sheen	10.00	3313.39	
RW-1	03/05/20	3362.10	60.80	sheen	48.68	sheen	NA	sheen	10.00	3313.42	
RW-1	03/11/20	3362.10	60.80	sheen	48.63	sheen	NA	sheen	10.00	3313.47	
RW-1	03/17/20	3362.10	60.80	sheen	48.85	sheen	NA	sheen	10.00	3313.25	
RW-1	03/23/20	3362.10	60.80	sheen	48.60	sheen	NA	sheen	10.00	3313.50	
RW-1	05/07/20	3362.10	60.80	48.52	48.56	0.04	NA	NA	NA	3313.57	gauge only
RW-1	05/20/20	3362.10	60.80	48.47	48.51	0.04	NA	0.25	9.75	3313.62	
RW-1	06/03/20	3362.10	60.80	ND	48.47	ND	NA	NA	NA	3313.63	
RW-1	06/16/20	3362.10	60.80	sheen	49.21	sheen	NA	0.25	9.75	3312.89	
RW-1	07/14/20	3362.10	60.80	sheen	48.46	sheen	NA	Sheen	10.00	3313.64	
RW-1	08/18/20	3362.10	60.80	ND	48.49	ND	NA	Sheen	10.00	3313.61	
RW-1	09/16/20	3362.10	60.80	48.47	48.51	0.04	NA	0.25	9.75	3313.62	
RW-1	10/08/20	3362.10	60.80	sheen	48.56	sheen	NA	0.25	9.75	3313.54	
RW-1	11/20/20	3362.10	60.80	ND	48.49	ND	NA	sheen	10.00	3313.61	
RW-1	12/04/20	3362.10	60.80	sheen	48.39	sheen	NA	Sheen	10.00	3313.71	
RW-1	12/22/20	3362.10	61.65	ND	48.54	ND	NA	Sheen	10.00	3313.56	
RW-1	01/07/21	3362.10	60.80	sheen	48.53	sheen	NA	sheen	20.00	3313.57	
RW-1	02/03/21	3362.10	60.80	sheen	48.41	sheen	NA	sheen	10.00	3313.69	
RW-1	03/19/21	3362.10	60.80	sheen	48.45	sheen	NA	sheen	10.00	3313.65	
RW-1	03/25/21	3362.10	60.80	sheen	48.41	sheen	NA	sheen	10.00	3313.69	
RW-1	04/09/21	3362.10	60.80	sheen	48.43	sheen	NA	Sheen	10.00	3313.67	
RW-1	05/27/21	3362.10	61.65	sheen	48.36	sheen	NA	Sheen	10.00	3313.74	
RW-1	06/17/21	3362.10	61.65	sheen	48.38	sheen	NA	Sheen	10.00	3313.72	
RW-1	07/29/21	3362.10	61.65	sheen	48.40	sheen	NA	ND	10.00	3313.70	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	08/03/21	3362.10	61.65	sheen	48.37	sheen	NA	ND	10.00	3313.73	
RW-1	09/02/21	3362.10	61.65	sheen	48.40	sheen	NA	ND	10.00	3313.70	
RW-1	09/15/21	3362.10	61.65	sheen	48.48	sheen	NA	Sheen	10.00	3313.62	
RW-1	09/23/21	3362.10	61.65	sheen	48.46	sheen	NA	Sheen	10.00	3313.64	
RW-1	09/30/21	3362.10	61.65	sheen	48.46	sheen	NA	Sheen	10.00	3313.64	
RW-1	10/15/21	3362.10	61.65	sheen	48.58	sheen	NA	Sheen	10.00	3313.52	
RW-1	11/23/21	3362.10	61.65	sheen	48.53	sheen	NA	Sheen	10.00	3313.57	
RW-1	12/16/21	3362.10	61.65	sheen	48.42	sheen	NA	Sheen	10.00	3313.68	
RW-1	12/22/21	3362.10	61.65	sheen	48.50	sheen	NA	Sheen	10.00	3313.60	
RW-2	01/03/18	3362.00	63.40	49.61	49.85	0.24	NA	0.25	9.75	3312.35	
RW-2	01/10/18	3362.00	63.40	49.54	49.80	0.26	NA	0.25	9.75	3312.42	
RW-2	01/17/18	3362.00	63.40	49.63	49.84	0.21	NA	1.50	8.50	3312.34	
RW-2	01/25/18	3362.00	63.40	49.50	49.66	0.16	NA	1.00	9.00	3312.48	
RW-2	02/01/18	3362.00	63.40	49.51	49.64	0.13	NA	1.00	9.00	3312.47	
RW-2	02/14/18	3362.00	63.40	49.48	49.58	0.10	NA	sheen	10.00	3312.51	
RW-2	02/21/18	3362.00	63.40	49.48	49.59	0.11	NA	sheen	10.00	3312.50	
RW-2	02/28/18	3362.00	63.40	49.41	49.62	0.21	NA	sheen	10.00	3312.56	
RW-2	03/06/18	3362.00	63.40	49.45	49.55	0.10	NA	NA	NA	3312.54	
RW-2	03/15/18	3362.00	63.40	49.42	49.57	0.15	NA	sheen	10.00	3312.56	
RW-2	03/22/18	3362.00	63.40	49.51	49.60	0.09	NA	sheen	10.00	3312.48	
RW-2	03/28/18	3362.00	63.40	49.49	49.79	0.30	NA	0.25	9.75	3312.47	
RW-2	04/04/18	3362.00	63.40	49.52	49.62	0.10	NA	sheen	10.00	3312.47	
RW-2	04/11/18	3362.00	63.40	49.50	49.59	0.09	NA	sheen	10.00	3312.49	
RW-2	04/19/18	3362.00	63.40	49.46	49.59	0.13	NA	sheen	10.00	3312.52	
RW-2	04/24/18	3362.00	63.40	49.51	49.60	0.09	NA	sheen	10.00	3312.48	
RW-2	05/02/18	3362.00	63.40	49.40	49.49	0.09	NA	sheen	10.00	3312.59	
RW-2	05/09/18	3362.00	63.40	49.43	49.50	0.07	NA	sheen	10.00	3312.56	
RW-2	05/15/18	3362.00	63.40	49.41	49.49	0.08	NA	sheen	10.00	3312.58	
RW-2	05/22/18	3362.00	63.40	49.39	49.47	0.08	NA	sheen	10.00	3312.60	
RW-2	05/30/18	3362.00	63.40	49.42	49.50	0.08	NA	sheen	10.00	3312.57	Sampled
RW-2	06/12/18	3362.00	63.40	49.39	49.60	0.21	NA	0.25	9.25	3312.58	
RW-2	06/19/18	3362.00	63.40	49.41	49.58	0.17	NA	0.25	9.25	3312.56	
RW-2	06/29/18	3362.00	63.40	49.44	49.60	0.16	NA	0.25	9.75	3312.54	
RW-2	07/05/18	3362.00	63.40	49.40	49.55	0.15	NA	0.25	9.75	3312.58	
RW-2	07/11/18	3362.00	63.40	49.46	49.60	0.14	NA	0.25	9.75	3312.52	
RW-2	07/18/18	3362.00	63.40	49.30	49.58	0.28	NA	sheen	10.00	3312.66	
RW-2	07/26/18	3362.00	63.40	49.32	49.62	0.30	NA	0.25	9.75	3312.64	
RW-2	07/31/18	3362.00	63.40	49.31	49.56	0.25	NA	sheen	10.00	3312.65	
RW-2	08/07/18	3362.00	63.40	49.27	49.52	0.25	NA	0.25	9.75	3312.69	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	08/14/18	3362.00	63.40	49.26	49.58	0.32	NA	0.25	9.75	3312.69	
RW-2	08/21/18	3362.00	63.40	49.25	49.55	0.30	NA	0.25	9.75	3312.71	
RW-2	08/30/18	3362.00	63.40	49.31	49.50	0.19	NA	0.25	9.75	3312.66	
RW-2	09/05/18	3362.00	63.40	49.35	49.59	0.24	NA	0.25	9.75	3312.61	
RW-2	09/18/18	3362.00	63.40	49.25	49.49	0.24	NA	0.25	9.75	3312.71	
RW-2	09/26/18	3362.00	63.40	49.30	49.51	0.21	NA	0.25	9.75	3312.67	
RW-2	10/03/18	3362.00	63.40	49.30	49.56	0.26	NA	0.25	9.75	3312.66	
RW-2	10/11/18	3362.00	63.40	49.25	49.55	0.30	NA	0.25	9.75	3312.71	
RW-2	10/17/18	3362.00	63.40	48.96	49.11	0.15	NA	0.25	9.75	3313.02	
RW-2	10/24/18	3362.00	63.40	49.00	49.22	0.22	NA	sheen	10.00	3312.97	
RW-2	10/31/18	3362.00	63.40	49.16	49.42	0.26	NA	0.25	9.75	3312.80	
RW-2	11/06/18	3362.00	63.40	49.22	49.40	0.18	NA	0.25	9.75	3312.75	
RW-2	11/13/18	3362.00	63.40	49.25	49.47	0.22	NA	0.25	9.75	3312.72	
RW-2	11/21/18	3362.00	63.40	49.18	49.40	0.22	NA	0.25	9.75	3312.79	
RW-2	11/27/18	3362.00	63.40	49.20	49.48	0.28	NA	0.25	9.75	3312.76	
RW-2	12/72018	3362.00	63.40	49.21	49.41	0.20	NA	0.25	9.75	3312.76	
RW-2	12/12/18	3362.00	63.40	49.25	49.51	0.26	NA	0.25	9.75	3312.71	
RW-2	12/18/18	3362.00	63.40	49.20	49.55	0.35	NA	0.25	9.75	3312.75	
RW-2	01/03/19	3362.00	63.40	49.21	49.56	0.35	NA	0.25	9.75	3312.74	
RW-2	01/08/19	3362.00	63.40	49.19	49.58	0.39	NA	0.50	9.50	3312.75	
RW-2	01/29/19	3362.00	63.40	49.15	49.90	0.75	NA	sheen	10.00	3312.74	
RW-2	02/05/19	3362.00	63.40	49.18	49.32	0.14	NA	0.25	9.75	3312.80	Sampled
RW-2	02/12/19	3362.00	63.40	49.18	49.40	0.22	NA	0.25	9.25	3312.79	
RW-2	02/27/19	3362.00	63.40	49.15	49.38	0.23	NA	0.25	9.25	3312.82	
RW-2	03/06/19	3362.00	63.40	49.18	49.40	0.22	NA	0.25	9.75	3312.79	
RW-2	03/12/19	3362.00	63.40	49.20	49.40	0.20	NA	sheen	10.00	3312.77	
RW-2	03/21/19	3362.00	63.40	49.19	49.41	0.22	NA	0.25	9.75	3312.78	
RW-2	03/28/19	3362.00	63.40	49.26	49.49	0.23	NA	sheen	10.00	3312.71	
RW-2	04/02/19	3362.00	63.40	49.20	49.44	0.24	NA	0.25	9.75	3312.76	
RW-2	04/10/19	3362.00	63.40	49.17	49.36	0.19	NA	sheen	10.00	3312.80	
RW-2	04/16/19	3362.00	63.40	49.19	49.42	0.23	NA	0.25	9.75	3312.78	
RW-2	04/24/19	3362.00	63.40	49.21	49.40	0.19	NA	0.25	9.75	3312.76	
RW-2	05/01/19	3362.00	63.40	48.90	49.12	0.22	NA	0.25	9.75	3313.07	
RW-2	05/08/19	3362.00	63.40	49.00	49.11	0.12	NA	sheen	10.00	3312.99	
RW-2	05/17/19	3362.00	63.40	48.99	49.15	0.16	NA	sheen	10.00	3312.99	
RW-2	05/24/19	3362.00	63.40	49.01	49.18	0.17	NA	sheen	10.00	3312.96	
RW-2	06/05/19	3362.00	63.40	48.89	48.94	0.05	NA	sheen	10.00	3313.10	
RW-2	06/14/19	3362.00	63.40	48.88	48.99	0.11	NA	0.50	9.50	3313.10	
RW-2	06/20/19	3362.00	63.40	48.91	48.97	0.06	NA	sheen	9.75	3313.08	
RW-2	06/25/19	3362.00	63.40	48.92	49.10	0.18	NA	0.50	9.50	3313.05	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	07/02/19	3362.00	63.40	48.95	49.10	0.15	NA	sheen	10.00	3313.03	
RW-2	07/10/19	3362.00	63.40	48.93	49.10	0.17	NA	0.25	9.75	3313.04	
RW-2	07/26/19	3362.00	63.40	48.86	48.88	0.02	NA	sheen	10.00	3313.14	
RW-2	08/11/19	3362.00	63.40	48.94	49.27	0.33	NA	0.25	9.75	3313.01	
RW-2	08/14/19	3362.00	63.40	48.96	49.21	0.25	NA	0.25	9.75	3313.00	
RW-2	08/21/19	3362.00	63.40	48.98	48.99	0.01	NA	sheen	10.00	3313.02	
RW-2	09/06/19	3362.00	63.40	48.95	49.12	0.17	NA	0.25	9.75	3313.02	
RW-2	09/12/19	3362.00	63.40	48.98	49.15	0.17	NA	0.25	9.75	3312.99	
RW-2	09/19/19	3362.00	63.40	48.92	49.12	0.20	NA	1.00	9.00	3313.05	
RW-2	09/26/19	3362.00	63.40	49.30	49.51	0.21	NA	0.25	9.75	3312.67	
RW-2	10/16/19	3362.00	63.40	48.26	49.25	0.99	NA	0.25	9.75	3313.59	
RW-2	10/23/19	3362.00	63.40	48.95	49.05	0.10	NA	sheen	10.00	3313.04	
RW-2	10/31/19	3362.00	63.40	48.98	49.12	0.14	NA	sheen	10.00	3313.00	
RW-2	11/05/19	3362.00	63.40	48.91	49.04	0.13	NA	NA	NA	3313.07	
RW-2	11/14/19	3362.00	63.40	48.94	48.98	0.04	NA	0.25	9.75	3313.05	
RW-2	11/26/19	3362.00	63.40	48.80	49.05	0.25	NA	0.25	9.75	3313.16	
RW-2	12/03/19	3362.00	63.40	48.89	49.13	0.24	NA	sheen	10.00	3313.07	
RW-2	12/13/19	3362.00	63.40	48.91	49.14	0.23	NA	sheen	10.00	3313.06	
RW-2	12/20/19	3362.00	63.40	48.90	49.00	0.10	NA	sheen	10.00	3313.09	
RW-2	12/26/19	3362.00	63.40	48.88	48.92	0.04	NA	sheen	10.00	3313.11	
RW-2	01/02/20	3362.00	63.40	48.91	49.00	0.09	NA	0.25	9.75	3313.07	
RW-2	01/09/20	3362.00	63.40	48.95	49.03	0.08	NA	0.25	9.75	3313.04	
RW-2	01/14/20	3362.00	63.40	48.97	49.02	0.05	NA	0.25	9.75	3313.02	
RW-2	01/31/20	3362.00	63.40	48.83	48.97	0.14	NA	0.25	9.75	3313.15	
RW-2	02/07/20	3362.00	63.40	48.82	48.89	0.07	NA	0.25	9.75	3313.17	
RW-2	02/12/20	3362.00	63.40	48.78	48.90	0.12	NA	0.25	9.75	3313.20	
RW-2	02/19/20	3362.00	63.40	48.86	48.93	0.07	NA	0.25	9.75	3313.13	
RW-2	02/26/20	3362.00	63.40	48.81	48.88	0.07	NA	0.25	9.75	3313.18	
RW-2	03/05/20	3362.00	63.40	48.78	48.82	0.04	NA	0.25	9.75	3313.21	
RW-2	03/11/20	3362.00	63.40	48.80	48.92	0.12	NA	0.25	9.75	3313.18	
RW-2	03/17/20	3362.00	63.40	48.74	48.85	0.11	NA	0.25	9.75	3313.24	
RW-2	03/23/20	3362.00	63.40	48.72	48.80	0.08	NA	0.25	9.75	3313.27	
RW-2	05/07/20	3362.00	63.40	48.68	48.98	0.30	NA	NA	NA	3313.28	guage only
RW-2	05/20/20	3362.00	63.40	48.65	49.00	0.35	NA	1.00	9.00	3313.30	
RW-2	06/03/20	3362.00	63.40	48.63	48.68	0.05	NA	sheen	10.00	3313.36	
RW-2	06/16/20	3362.00	63.40	48.68	48.76	0.08	NA	0.25	9.75	3313.31	
RW-2	07/14/20	3362.00	63.40	48.64	48.81	0.17	NA	1.00	9.00	3313.33	
RW-2	08/18/20	3362.00	63.40	48.65	48.70	0.05	NA	0.25	9.75	3313.34	
RW-2	09/16/20	3362.00	63.40	48.69	48.80	0.11	NA	1.00	9.00	3313.29	
RW-2	10/08/20	3362.00	63.40	48.72	48.80	0.08	NA	sheen	10.00	3313.27	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	11/20/20	3362.00	63.40	48.66	48.70	0.04	NA	0.25	9.75	3313.33	
RW-2	12/04/20	3362.00	63.40	48.61	48.68	0.07	NA	0.25	9.75	3313.38	
RW-2	12/22/20	3362.00	63.40	48.68	48.75	0.07	NA	0.25	9.75	3313.31	
RW-2	01/07/21	3362.00	63.40	48.70	48.85	0.15	NA	sheen	20.00	3313.28	
RW-2	02/03/21	3362.00	63.40	48.57	48.65	0.08	NA	0.25	9.75	3313.42	
RW-2	03/19/21	3362.00	63.40	48.62	48.71	0.09	NA	1.00	9.00	3313.37	
RW-2	03/25/21	3362.00	63.40	48.58	48.65	0.07	NA	0.25	9.75	3313.41	
RW-2	04/09/21	3362.00	63.40	48.60	48.70	0.10	NA	sheen	10.00	3313.39	
RW-2	05/27/21	3362.00	63.40	48.55	49.10	0.55	NA	0.25	9.75	3313.37	
RW-2	06/17/21	3362.00	63.40	48.55	49.00	0.45	NA	0.25	9.75	3313.38	
RW-2	07/29/21	3362.00	63.40	48.58	49.30	0.72	NA	1.00	9.00	3313.31	
RW-2	08/03/21	3362.00	63.40	48.54	49.29	0.75	NA	1.00	9.00	3313.35	
RW-2	09/02/21	3362.00	63.40	48.58	48.62	0.04	NA	0.25	9.75	3313.41	
RW-2	09/15/21	3362.00	63.40	48.62	48.66	0.04	NA	0.25	9.75	3313.37	
RW-2	09/23/21	3362.00	63.40	48.62	48.72	0.10	NA	sheen	10.00	3313.37	
RW-2	09/30/21	3362.00	63.40	48.65	48.81	0.16	NA	0.25	9.75	3313.33	
RW-2	10/15/21	3362.00	63.40	48.42	48.50	0.08	NA	0.25	9.75	3313.57	
RW-2	11/23/21	3362.00	63.40	48.51	49.47	0.96	NA	1.00	9.00	3313.35	
RW-2	12/16/21	3362.00	63.40	48.56	48.62	0.06	NA	sheen	10.00	3313.43	
RW-2	12/22/21	3362.00	63.40	48.62	48.69	0.07	NA	sheen	10.00	3313.37	
RW-3	01/03/18	3361.93	63.80	50.12	50.30	0.18	NA	sheen	10.00	3311.78	
RW-3	01/10/18	3361.93	63.80	50.08	50.14	0.06	NA	sheen	10.00	3311.84	
RW-3	01/17/18	3361.93	63.80	50.12	50.13	0.01	NA	1.00	9.00	3311.81	
RW-3	01/25/18	3361.93	63.80	50.01	50.10	0.09	NA	1.00	9.00	3311.91	
RW-3	02/01/18	3361.93	63.80	50.01	50.35	0.34	NA	1.00	9.00	3311.87	
RW-3	02/14/18	3361.93	63.80	50.00	50.09	0.09	NA	sheen	10.00	3311.92	
RW-3	02/21/18	3361.93	63.80	50.02	50.14	0.12	NA	sheen	10.00	3311.89	
RW-3	02/28/18	3361.93	63.80	49.90	50.10	0.20	NA	0.50	9.50	3312.00	
RW-3	03/06/18	3361.93	63.80	49.97	50.14	0.17	NA	NA	NA	3311.93	
RW-3	03/15/18	3361.93	63.80	49.92	50.11	0.19	NA	sheen	10.00	3311.98	
RW-3	03/22/18	3361.93	63.80	50.00	50.10	0.10	NA	sheen	10.00	3311.92	
RW-3	03/28/18	3361.93	63.80	50.00	50.22	0.22	NA	0.25	9.75	3311.90	
RW-3	04/04/18	3361.93	63.80	50.00	50.18	0.18	NA	sheen	10.00	3311.90	
RW-3	04/11/18	3361.93	63.80	50.03	50.19	0.16	NA	sheen	10.00	3311.88	
RW-3	04/19/18	3361.93	63.80	49.99	50.16	0.17	NA	sheen	10.00	3311.91	
RW-3	04/24/18	3361.93	63.80	50.00	50.18	0.18	NA	sheen	10.00	3311.90	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	05/02/18	3361.93	63.80	49.88	49.99	0.11	NA	sheen	10.00	3312.03	
RW-3	05/09/18	3361.93	63.80	49.92	50.02	0.10	NA	sheen	10.00	3312.00	
RW-3	05/15/18	3361.93	63.80	49.90	50.08	0.18	NA	sheen	10.00	3312.00	
RW-3	05/22/18	3361.93	63.80	49.87	50.05	0.18	NA	sheen	10.00	3312.03	
RW-3	05/30/18	3361.93	63.80	49.89	50.00	0.11	NA	sheen	10.00	3312.02	
RW-3	06/12/18	3361.93	63.80	49.89	50.06	0.17	NA	0.25	9.75	3312.01	Sampled
RW-3	06/19/18	3361.93	63.80	49.92	50.03	0.11	NA	sheen	10.00	3311.99	
RW-3	06/29/18	3361.93	63.80	49.95	50.04	0.09	NA	sheen	10.00	3311.97	
RW-3	07/05/18	3361.93	63.80	49.90	50.05	0.15	NA	0.25	9.75	3312.01	
RW-3	07/11/18	3361.93	63.80	49.96	50.07	0.11	NA	0.25	9.75	3311.95	
RW-3	07/18/18	3361.93	63.80	49.83	50.08	0.25	NA	0.25	9.75	3312.06	
RW-3	07/26/18	3361.93	63.80	49.86	50.12	0.26	NA	0.25	9.75	3312.03	
RW-3	07/31/18	3361.93	63.80	49.85	50.09	0.24	NA	0.25	9.75	3312.04	
RW-3	08/07/18	3361.93	63.80	49.80	50.03	0.23	NA	0.25	9.75	3312.10	
RW-3	08/14/18	3361.93	63.80	49.82	50.09	0.27	NA	0.25	9.75	3312.07	
RW-3	08/21/18	3361.93	63.80	49.81	50.08	0.27	NA	0.25	9.75	3312.08	
RW-3	08/30/18	3361.93	63.80	49.86	50.06	0.20	NA	0.25	9.75	3312.04	
RW-3	09/05/18	3361.93	63.80	49.90	50.11	0.21	NA	0.25	9.75	3312.00	
RW-3	09/18/18	3361.93	63.80	49.83	50.01	0.18	NA	0.25	9.75	3312.07	
RW-3	09/26/18	3361.93	63.80	49.86	50.02	0.16	NA	0.25	9.75	3312.05	
RW-3	10/03/18	3361.93	63.80	49.88	50.09	0.21	NA	0.25	9.75	3312.02	
RW-3	10/11/18	3361.93	63.80	49.81	50.10	0.29	NA	0.25	9.75	3312.08	
RW-3	10/17/18	3361.93	63.80	49.68	49.90	0.22	NA	0.25	9.75	3312.22	
RW-3	10/24/18	3361.93	63.80	49.82	50.01	0.19	NA	0.25	9.75	3312.08	
RW-3	10/31/18	3361.93	63.80	49.83	50.01	0.18	NA	0.25	9.75	3312.07	
RW-3	11/09/18	3361.93	63.80	49.78	49.96	0.18	NA	0.25	9.75	3312.12	
RW-3	11/13/18	3361.93	63.80	49.86	49.99	0.13	NA	0.25	9.75	3312.05	
RW-3	11/21/18	3361.93	63.80	49.88	50.00	0.12	NA	0.25	9.75	3312.03	
RW-3	11/27/18	3361.93	63.80	49.82	49.94	0.12	NA	0.25	9.75	3312.09	
RW-3	12/07/18	3361.93	63.80	49.89	50.02	0.13	NA	0.25	9.75	3312.02	
RW-3	12/12/18	3361.93	63.80	49.92	50.08	0.16	NA	0.25	9.75	3311.99	
RW-3	12/18/18	3361.93	63.80	49.90	50.09	0.19	NA	0.25	9.75	3312.00	
RW-3	01/03/19	3361.93	63.80	49.94	50.11	0.17	NA	sheen	10.00	3311.96	
RW-3	01/08/19	3361.93	63.80	49.92	50.12	0.20	NA	0.25	9.75	3311.98	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	01/29/19	3361.93	63.80	49.65	49.74	0.09	NA	sheen	10.00	3312.27	
RW-3	02/05/19	3361.93	63.80	49.76	49.90	0.14	NA	0.25	9.75	3312.15	
RW-3	02/12/19	3361.93	63.80	49.72	49.79	0.07	NA	0.25	9.75	3312.20	Sampled
RW-3	02/27/19	3361.93	63.80	49.70	49.81	0.11	NA	sheen	10.00	3312.21	
RW-3	03/06/19	3361.93	63.80	49.73	49.86	0.13	NA	0.25	9.75	3312.18	
RW-3	03/12/19	3361.93	63.80	49.75	49.91	0.16	NA	sheen	10.00	3312.16	
RW-3	03/21/19	3361.93	63.80	49.77	49.98	0.21	NA	sheen	10.00	3312.13	
RW-3	03/28/19	3361.93	63.80	49.71	49.99	0.28	NA	0.25	9.75	3312.18	
RW-3	04/02/19	3361.93	63.80	49.77	49.94	0.17	NA	sheen	10.00	3312.13	
RW-3	04/10/19	3361.93	63.80	49.70	49.86	0.16	NA	0.25	9.75	3312.21	
RW-3	04/16/19	3361.93	63.80	49.72	49.86	0.14	NA	sheen	10.00	3312.19	
RW-3	04/24/19	3361.93	63.80	49.75	49.87	0.12	NA	sheen	10.00	3312.16	
RW-3	05/01/19	3361.93	63.80	49.45	49.56	0.11	NA	sheen	10.00	3312.46	
RW-3	05/08/19	3361.93	63.80	49.47	49.54	0.07	NA	0.25	9.75	3312.45	
RW-3	05/17/19	3361.93	63.80	48.99	49.15	0.16	NA	0.25	9.75	3312.92	
RW-3	05/24/19	3361.93	63.80	49.01	49.18	0.17	NA	0.25	9.75	3312.89	
RW-3	06/05/19	3361.93	63.80	49.63	49.76	0.13	NA	sheen	10.00	3312.28	
RW-3	06/14/19	3361.93	63.80	49.43	49.45	0.02	NA	sheen	10.00	3312.50	
RW-3	06/20/19	3361.93	63.80	49.65	49.79	0.14	NA	sheen	10.00	3312.26	
RW-3	06/25/19	3361.93	63.80	49.48	49.49	0.01	NA	sheen	10.00	3312.45	
RW-3	07/02/19	3361.93	63.80	49.49	49.56	0.07	NA	sheen	10.00	3312.43	
RW-3	07/10/19	3361.93	63.80	49.49	49.52	0.03	NA	sheen	10.00	3312.44	
RW-3	07/26/19	3361.93	63.80	49.40	49.48	0.08	NA	sheen	10.00	3312.52	
RW-3	08/11/19	3361.93	63.80	49.48	49.56	0.08	NA	sheen	10.00	3312.44	
RW-3	08/14/19	3361.93	63.80	49.53	49.61	0.08	NA	sheen	10.00	3312.39	
RW-3	08/21/19	3361.93	63.80	49.48	49.49	0.01	NA	sheen	10.00	3312.45	
RW-3	09/06/19	3361.93	63.80	49.52	49.55	0.03	NA	0.25	9.75	3312.41	
RW-3	09/12/19	3361.93	63.80	49.52	49.53	0.01	NA	sheen	10.00	3312.41	
RW-3	09/19/19	3361.93	63.80	49.47	49.50	0.03	NA	sheen	10.00	3312.46	
RW-3	09/26/19	3361.93	63.80	49.86	50.02	0.16	NA	0.25	9.75	3312.05	
RW-3	10/16/19	3361.93	63.80	49.52	49.58	0.06	NA	sheen	10.00	3312.40	
RW-3	10/23/19	3361.93	63.80	49.48	49.52	0.04	NA	sheen	10.00	3312.44	
RW-3	10/31/19	3361.93	63.80	49.52	49.54	0.02	NA	sheen	10.00	3312.41	
RW-3	11/05/19	3361.93	63.80	49.45	49.47	0.02	NA	NA	NA	3312.48	
RW-3	11/14/19	3361.93	63.80	49.50	49.52	0.02	NA	sheen	10.00	3312.43	
RW-3	11/26/19	3361.93	63.80	49.41	49.43	0.02	NA	sheen	10.00	3312.52	
RW-3	12/03/19	3361.93	63.80	49.42	49.45	0.03	NA	sheen	10.00	3312.51	
RW-3	12/13/19	3361.93	63.80	49.47	49.50	0.03	NA	sheen	10.00	3312.46	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	12/20/19	3361.93	63.80	49.48	49.52	0.04	NA	sheen	10.00	3312.44	
RW-3	12/26/19	3361.93	63.80	49.45	49.48	0.03	NA	0.25	9.75	3312.48	
RW-3	01/02/20	3361.93	63.80	49.45	49.48	0.03	NA	sheen	10.00	3312.48	
RW-3	01/09/20	3361.93	63.80	49.39	49.41	0.02	NA	sheen	10.00	3312.54	
RW-3	01/14/20	3361.93	63.80	49.45	49.47	0.02	NA	sheen	10.00	3312.48	
RW-3	01/31/20	3361.93	63.80	49.36	49.37	0.01	NA	sheen	10.00	3312.57	
RW-3	02/07/20	3361.93	63.80	49.34	49.36	0.02	NA	sheen	10.00	3312.59	
RW-3	02/12/20	3361.93	63.80	49.32	49.34	0.02	NA	sheen	10.00	3312.61	
RW-3	02/19/20	3361.93	63.80	ND	49.35	ND	NA	sheen	10.00	3312.58	
RW-3	02/26/20	3361.93	63.80	49.31	49.32	0.01	NA	sheen	10.00	3312.62	
RW-3	03/05/20	3361.93	63.80	49.38	49.40	0.02	NA	sheen	10.00	3312.55	
RW-3	03/11/20	3361.93	63.80	sheen	49.33	sheen	NA	sheen	10.00	3312.60	
RW-3	03/17/20	3361.93	63.80	49.28	49.29	0.01	NA	sheen	10.00	3312.65	
RW-3	03/23/20	3361.93	63.80	49.30	49.31	0.01	NA	sheen	10.00	3312.63	
RW-3	05/07/20	3361.93	63.80	48.27	48.30	0.03	NA	NA	NA	3313.66	guage only
RW-3	05/20/20	3361.93	63.80	49.14	49.17	0.03	NA	sheen	10.00	3312.79	
RW-3	06/03/20	3361.93	63.80	49.15	49.16	0.01	NA	sheen	10.00	3312.78	
RW-3	06/16/20	3361.93	63.80	sheen	49.21	sheen	NA	sheen	10.00	3312.72	
RW-3	07/14/20	3361.93	63.80	sheen	49.15	sheen	NA	sheen	10.00	3312.78	
RW-3	08/18/20	3361.93	63.80	ND	49.18	ND	NA	sheen	10.00	3312.75	
RW-3	09/16/20	3361.93	63.80	sheen	49.26	sheen	NA	sheen	10.00	3312.67	
RW-3	10/08/20	3361.93	63.80	sheen	49.24	sheen	NA	sheen	10.00	3312.69	
RW-3	11/20/20	3361.93	63.80	ND	49.18	ND	NA	sheen	10.00	3312.75	
RW-3	12/04/20	3361.93	63.80	sheen	49.12	sheen	NA	sheen	10.00	3312.81	
RW-3	12/22/20	3361.93	63.80	49.22	49.23	0.01	NA	0.25	9.75	3312.71	
RW-3	01/07/21	3361.93	63.80	sheen	49.23	sheen	NA	sheen	10.00	3312.70	
RW-3	02/03/21	3361.93	63.80	sheen	49.09	sheen	NA	sheen	10.00	3312.84	
RW-3	03/19/21	3361.93	63.80	49.13	49.17	0.04	NA	0.25	9.75	3312.79	
RW-3	03/25/21	3361.93	63.80	sheen	49.10	sheen	NA	sheen	10.00	3312.83	
RW-3	04/09/21	3361.93	63.80	ND	49.10	ND	NA	sheen	10.00	3312.83	
RW-3	05/27/21	3361.93	63.80	ND	49.05	ND	NA	NA	NA	3312.88	
RW-3	06/17/21	3361.93	63.80	sheen	49.07	sheen	NA	0.25	9.75	3312.86	
RW-3	07/29/21	3361.93	63.80	ND	49.10	ND	NA	ND	10.00	3312.83	
RW-3	08/03/21	3361.93	63.80	ND	49.12	ND	NA	ND	10.00	3312.81	
RW-3	09/02/21	3361.93	63.80	49.08	49.10	0.02	NA	ND	10.00	3312.85	
RW-3	09/15/21	3361.93	63.80	49.17	49.19	0.02	NA	sheen	10.00	3312.76	
RW-3	09/23/21	3361.93	63.80	49.15	49.16	0.01	NA	sheen	10.00	3312.78	
RW-3	09/30/21	3361.93	63.80	sheen	49.16	sheen	NA	sheen	10.00	3312.77	
RW-3	10/15/21	3361.93	63.80	49.21	49.25	0.04	NA	sheen	10.00	3312.71	
RW-3	11/23/21	3361.93	63.80	ND	49.05	ND	NA	ND	10.00	3312.88	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	12/16/21	3361.93	63.80	49.10	49.11	0.01	NA	sheen	10.00	3312.83	
RW-3	12/22/21	3361.93	63.80	sheen	49.17	sheen	NA	sheen	10.00	3312.76	
RW-4	03/06/18	3363.22	63.65	ND	49.86	ND	NA	NA	NA	3313.36	Sampled
RW-4	06/12/18	3363.22	63.65	ND	49.68	ND	NA	NA	NA	3313.54	Sampled
RW-4	09/05/18	3363.22	63.65	ND	49.69	ND	NA	NA	NA	3313.53	Sampled
RW-4	11/27/18	3363.22	63.65	ND	49.52	ND	NA	NA	NA	3313.70	Sampled
RW-4	02/12/19	3363.22	63.65	ND	49.46	ND	NA	NA	NA	3313.76	Sampled
RW-4	05/08/19	3363.22	63.65	ND	49.22	ND	NA	NA	NA	3314.00	Sampled
RW-4	08/21/19	3363.22	63.65	ND	49.21	ND	NA	NA	NA	3314.01	Sampled
RW-4	11/05/19	3363.22	63.65	ND	49.20	ND	NA	NA	NA	3314.02	Sampled
RW-4	03/17/20	3363.22	63.65	ND	49.02	ND	NA	NA	NA	3314.20	Sampled
RW-4	06/16/20	3363.22	63.65	ND	48.94	ND	NA	NA	NA	3314.28	Sampled
RW-4	09/16/20	3363.22	63.65	ND	49.00	ND	NA	NA	NA	3314.22	Sampled
RW-4	12/22/20	3363.22	63.65	ND	48.95	ND	NA	NA	NA	3314.27	Sampled
RW-4	03/25/21	3363.22	63.65	ND	48.84	ND	NA	NA	NA	3314.38	Sampled
RW-4	06/17/21	3363.22	63.65	ND	48.81	ND	NA	NA	NA	3314.41	Sampled
RW-4	09/15/21	3363.22	63.65	ND	48.90	ND	NA	NA	NA	3314.32	
RW-4	12/16/21	3363.22	63.65	ND	48.82	ND	NA	NA	NA	3314.40	
RW-5	03/06/18	3362.38	64.07	ND	49.49	ND	NA	NA	NA	3312.89	Sampled
RW-5	06/12/18	3362.38	64.07	ND	49.31	ND	NA	NA	NA	3313.07	Sampled
RW-5	09/05/18	3362.38	64.07	ND	49.29	ND	NA	NA	NA	3313.09	Sampled
RW-5	11/27/18	3362.38	64.07	ND	49.18	ND	NA	NA	NA	3313.20	Sampled
RW-5	02/13/19	3362.38	64.07	ND	49.11	ND	NA	NA	NA	3313.27	Sampled
RW-5	05/08/19	3362.38	64.07	ND	48.84	ND	NA	NA	NA	3313.54	Sampled
RW-5	08/21/19	3362.38	64.07	ND	48.87	ND	NA	NA	NA	3313.51	Sampled
RW-5	11/05/19	3362.38	64.07	ND	48.85	ND	NA	NA	NA	3313.53	Sampled
RW-5	03/17/20	3362.38	64.07	ND	48.66	ND	NA	NA	NA	3313.72	Sampled
RW-5	06/16/20	3362.38	64.07	ND	48.60	ND	NA	NA	NA	3313.78	Sampled
RW-5	09/16/20	3362.38	64.07	ND	48.65	ND	NA	NA	NA	3313.73	Sampled
RW-5	12/22/20	3362.38	64.07	ND	48.60	ND	NA	NA	NA	3313.78	Sampled
RW-5	03/25/21	3362.38	64.07	ND	49.48	ND	NA	NA	NA	3312.90	Sampled
RW-5	06/17/21	3362.38	64.07	ND	48.44	ND	NA	NA	NA	3313.94	Sampled
RW-5	09/15/21	3362.38	64.07	ND	48.54	ND	NA	NA	NA	3313.84	
RW-5	12/16/21	3362.38	64.07	ND	48.45	ND	NA	NA	NA	3313.93	
RW-6	03/06/18	3363.11	64.27	ND	50.72	ND	NA	NA	NA	3312.39	Sampled
RW-6	06/12/18	3363.11	64.27	ND	50.60	ND	NA	NA	NA	3312.51	Sampled
RW-6	09/05/18	3363.11	64.27	ND	50.60	ND	NA	NA	NA	3312.51	Sampled

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-6	11/27/18	3363.11	64.27	ND	50.45	ND	NA	NA	NA	3312.66	Sampled
RW-6	02/12/19	3363.11	64.27	ND	50.38	ND	NA	NA	NA	3312.73	Sampled
RW-6	05/08/19	3363.11	64.27	ND	50.12	ND	NA	NA	NA	3312.99	Sampled
RW-6	08/21/19	3363.11	64.27	ND	50.16	ND	NA	NA	NA	3312.95	Sampled
RW-6	11/05/19	3363.11	64.27	ND	50.12	ND	NA	NA	NA	3312.99	Sampled
RW-6	03/17/20	3363.11	64.27	ND	49.92	ND	NA	NA	NA	3313.19	Sampled
RW-6	06/16/20	3363.11	64.27	ND	49.88	ND	NA	NA	NA	3313.23	Sampled
RW-6	09/16/20	3363.11	64.27	ND	49.95	ND	NA	NA	NA	3313.16	Sampled
RW-6	12/22/20	3363.11	64.27	ND	49.96	ND	NA	NA	NA	3313.15	Sampled
RW-6	03/25/21	3363.11	64.27	ND	49.76	ND	NA	NA	NA	3313.35	Sampled
RW-6	06/17/21	3363.11	64.27	ND	49.75	ND	NA	NA	NA	3313.36	Sampled
RW-6	09/15/21	3363.11	64.27	ND	49.85	ND	NA	NA	NA	3313.26	
RW-7	03/06/18	3362.52	68.56	ND	49.41	ND	NA	NA	NA	3313.11	Sampled
RW-7	06/12/18	3362.52	68.56	ND	49.25	ND	NA	NA	NA	3313.27	Sampled
RW-7	09/05/18	3362.52	68.56	ND	49.25	ND	NA	NA	NA	3313.27	Sampled
RW-7	11/27/18	3362.52	68.56	ND	49.10	ND	NA	NA	NA	3313.42	Sampled
RW-7	02/12/19	3362.52	68.56	ND	49.04	ND	NA	NA	NA	3313.48	Sampled
RW-7	05/08/19	3362.52	68.56	ND	48.82	ND	NA	NA	NA	3313.70	Sampled
RW-7	08/21/19	3362.52	68.56	ND	48.84	ND	NA	NA	NA	3313.68	Sampled
RW-7	11/05/19	3362.52	68.56	ND	48.80	ND	NA	NA	NA	3313.72	Sampled
RW-7	03/17/20	3362.52	68.56	ND	48.62	ND	NA	NA	NA	3313.90	Sampled
RW-7	06/16/20	3362.52	68.56	ND	48.56	ND	NA	NA	NA	3313.96	Sampled
RW-7	09/16/20	3362.52	68.56	ND	48.61	ND	NA	NA	NA	3313.91	Sampled
RW-7	12/22/20	3362.52	68.56	ND	48.58	ND	NA	NA	NA	3313.94	Sampled
RW-7	03/25/21	3362.52	68.56	ND	48.45	ND	NA	NA	NA	3314.07	Sampled
RW-7	06/17/21	3362.52	68.56	ND	48.42	ND	NA	NA	NA	3314.10	Sampled
RW-7	09/15/21	3362.52	68.56	ND	48.50	ND	NA	NA	NA	3314.02	Sampled
RW-7	12/16/21	3362.52	68.56	ND	48.41	ND	NA	NA	NA	3314.11	Sampled
RW-8	01/03/18	3362.52	68.34	50.08	50.55	0.47	NA	2.00	23.00	3312.37	
RW-8	01/10/18	3362.52	68.34	50.02	50.41	0.39	NA	2.00	23.00	3312.44	
RW-8	01/17/18	3362.52	68.34	50.12	50.54	0.42	NA	4.00	21.00	3312.34	
RW-8	01/25/18	3362.52	68.34	49.98	50.39	0.41	NA	6.00	14.00	3312.48	
RW-8	02/01/18	3362.52	68.34	49.49	50.35	0.86	NA	3.00	22.00	3312.90	
RW-8	02/14/18	3362.52	68.34	49.94	50.29	0.35	NA	3.00	22.00	3312.53	
RW-8	02/21/18	3362.52	68.34	49.96	50.35	0.39	NA	0.50	24.50	3312.50	
RW-8	02/28/18	3362.52	68.34	49.88	50.20	0.32	NA	1.00	24.00	3312.59	
RW-8	03/06/18	3362.52	68.34	49.95	50.76	0.81	NA	NA	NA	3312.45	

TABLE 2
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Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-8	03/15/18	3362.52	68.34	49.91	50.49	0.58	NA	3.00	22.00	3312.52	
RW-8	03/22/18	3362.52	68.34	49.98	50.50	0.52	NA	2.00	23.00	3312.46	
RW-8	03/28/18	3362.52	68.34	50.04	50.21	0.17	NA	2.00	23.00	3312.45	
RW-8	04/04/18	3362.52	68.34	49.99	50.26	0.27	NA	2.00	23.00	3312.49	
RW-8	04/11/18	3362.52	68.34	49.98	50.28	0.30	NA	2.00	23.00	3312.50	
RW-8	04/19/18	3362.52	68.34	50.04	50.31	0.27	NA	2.00	23.00	3312.44	
RW-8	04/24/18	3362.52	68.34	49.98	50.26	0.28	NA	2.00	23.00	3312.50	
RW-8	05/02/18	3362.52	68.34	49.87	50.28	0.41	NA	3.00	22.00	3312.59	
RW-8	05/09/18	3362.52	68.34	49.90	50.26	0.36	NA	3.00	22.00	3312.57	
RW-8	05/15/18	3362.52	68.34	49.85	50.26	0.41	NA	3.00	22.00	3312.61	
RW-8	05/22/18	3362.52	68.34	49.84	50.21	0.37	NA	2.00	23.00	3312.62	
RW-8	05/30/18	3362.52	68.34	49.87	50.11	0.24	NA	2.00	23.00	3312.61	
RW-8	06/12/18	3362.52	68.34	49.85	50.15	0.30	NA	2.00	23.00	3312.63	sampled
RW-8	06/19/18	3362.52	68.34	49.88	50.11	0.23	NA	3.00	22.00	3312.61	
RW-8	06/29/18	3362.52	68.34	49.91	50.09	0.18	NA	3.00	22.00	3312.58	
RW-8	07/05/18	3362.52	68.34	49.86	50.33	0.47	NA	2.00	13.00	3312.59	
RW-8	07/11/18	3362.52	68.34	49.9	50.28	0.38	NA	2.00	23.00	3312.56	
RW-8	07/18/18	3362.52	68.34	49.82	50.14	0.32	NA	2.00	23.00	3312.65	
RW-8	07/26/18	3362.52	68.34	49.88	50.30	0.42	NA	2.00	23.00	3312.58	
RW-8	07/26/18	3362.52	68.34	49.9	50.28	0.38	NA	2.00	23.00	3312.56	
RW-8	08/07/18	3362.52	68.34	49.86	50.23	0.37	NA	3.00	22.00	3312.60	
RW-8	08/14/18	3362.52	68.34	49.81	50.23	0.42	NA	2.00	23.00	3312.65	
RW-8	08/21/18	3362.52	68.34	49.8	50.26	0.46	NA	3.00	22.00	3312.65	
RW-8	08/30/18	3362.52	68.34	49.91	50.22	0.31	NA	2.00	23.00	3312.56	
RW-8	09/05/18	3362.52	68.34	49.88	50.21	0.33	NA	2.00	23.00	3312.59	
RW-8	09/18/18	3362.52	68.34	49.78	50.24	0.46	NA	2.00	23.00	3312.67	
RW-8	09/26/18	3362.52	68.34	49.88	50.31	0.43	NA	3.00	22.00	3312.58	
RW-8	10/03/18	3362.52	68.34	49.91	50.36	0.45	NA	3.00	22.00	3312.54	
RW-8	10/11/18	3362.52	68.34	49.85	50.29	0.44	NA	3.00	22.00	3312.60	
RW-8	10/17/18	3362.52	68.34	49.65	49.94	0.29	NA	3.00	22.00	3312.83	
RW-8	10/24/18	3362.52	68.34	49.85	50.16	0.31	NA	2.00	23.00	3312.62	
RW-8	10/31/18	3362.52	68.34	49.88	50.09	0.21	NA	3.00	22.00	3312.61	
RW-8	11/06/18	3362.52	68.34	49.72	50.06	0.34	NA	3.00	22.00	3312.75	
RW-8	11/13/18	3362.52	68.34	49.9	50.11	0.21	NA	3.00	22.00	3312.59	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
2018-2021
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-8	11/21/18	3362.52	68.34	49.69	49.90	0.21	NA	2.00	23.00	3312.80	
RW-8	11/27/18	3362.52	68.34	49.72	49.98	0.26	NA	2.00	23.00	3312.76	
RW-8	12/07/18	3362.52	68.34	49.72	49.94	0.22	NA	3.00	22.00	3312.77	
RW-8	12/12/18	3362.52	68.34	49.75	49.99	0.24	NA	2.00	23.00	3312.73	
RW-8	12/18/18	3362.52	68.34	49.78	49.96	0.18	NA	3.00	22.00	3312.71	
RW-8	01/03/19	3362.52	68.34	49.87	50.28	0.41	NA	3.00	22.00	3312.59	
RW-8	01/08/19	3362.52	68.34	49.82	49.99	0.17	NA	3.00	22.00	3312.67	
RW-8	01/29/19	3362.52	68.34	49.6	49.74	0.14	NA	sheen	20.00	3312.90	
RW-8	02/05/19	3362.52	68.34	49.19	49.97	0.78	NA	0.50	19.50	3313.21	
RW-8	02/12/19	3362.52	68.34	49.68	49.81	0.13	NA	2.00	23.00	3312.82	
RW-8	02/27/19	3362.52	68.34	49.7	49.86	0.16	NA	2.00	23.00	3312.80	
RW-8	03/06/19	3362.52	68.34	49.76	49.96	0.20	NA	2.00	23.00	3312.73	
RW-8	03/12/19	3362.52	68.34	49.76	49.99	0.23	NA	2.00	23.00	3312.73	
RW-8	03/21/19	3362.52	68.34	49.79	50.03	0.24	NA	2.00	23.00	3312.69	
RW-8	03/28/19	3362.52	68.34	49.78	50.01	0.23	NA	2.00	23.00	3312.71	
RW-8	04/02/19	3362.52	68.34	49.8	50.05	0.25	NA	2.00	23.00	3312.68	
RW-8	04/10/19	3362.52	68.34	49.72	50.00	0.28	NA	2.00	23.00	3312.76	
RW-8	04/16/19	3362.52	68.34	49.71	50.04	0.33	NA	2.00	23.00	3312.76	
RW-8	04/24/19	3362.52	68.34	49.72	50.01	0.29	NA	2.00	23.00	3312.76	
RW-8	05/01/19	3362.52	68.34	49.42	49.61	0.19	NA	2.00	23.00	3313.07	
RW-8	05/08/19	3362.52	68.34	49.46	49.61	0.15	NA	2.00	23.00	3313.04	
RW-8	05/17/19	3362.52	68.34	49.51	49.68	0.17	NA	2.00	23.00	3312.98	
RW-8	05/24/19	3362.52	68.34	49.55	49.67	0.12	NA	2.00	23.00	3312.95	
RW-8	06/05/19	3362.52	68.34	49.59	49.73	0.14	NA	2.00	23.00	3312.91	
RW-8	06/14/19	3362.52	68.34	49.45	49.46	0.01	NA	sheen	10.00	3313.07	
RW-8	06/20/19	3362.52	68.34	49.62	49.70	0.08	NA	2.00	23.00	3312.89	
RW-8	06/25/19	3362.52	68.34	49.49	49.63	0.14	NA	0.25	10.00	3313.01	
RW-8	07/02/19	3362.52	68.34	49.51	49.53	0.02	NA	0.25	24.75	3313.01	
RW-8	07/10/19	3362.52	68.34	49.5	49.52	0.02	NA	sheen	10.00	3313.02	
RW-8	07/26/19	3362.52	68.34	49.46	49.50	0.04	NA	0.25	9.75	3313.05	
RW-8	08/11/19	3362.52	68.34	49.46	49.57	0.11	NA	0.25	1.75	3313.04	
RW-8	08/14/19	3362.52	68.34	49.48	49.53	0.05	NA	sheen	10.00	3313.03	
RW-8	08/21/19	3362.52	68.34	49.49	49.50	0.01	NA	sheen	25.00	3313.03	
RW-8	09/06/19	3362.52	68.34	49.46	49.60	0.14	NA	0.25	9.75	3313.04	
RW-8	09/12/19	3362.52	68.34	ND	49.58	ND	NA	NA	NA	3312.94	
RW-8	09/19/19	3362.52	68.34	ND	48.52	ND	NA	NA	NA	3314.00	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-8	09/26/19	3362.52	68.34	49.88	50.10	0.22	NA	3.00	22.00	3312.61	
RW-8	10/16/19	3362.52	68.34	49.48	49.51	0.03	NA	sheen	10.00	3313.04	
RW-8	10/23/19	3362.52	68.34	49.45	49.50	0.05	NA	2.00	23.00	3313.06	
RW-8	10/31/19	3362.52	68.34	49.55	49.62	0.07	NA	sheen	10.00	3312.96	
RW-8	11/05/19	3362.52	68.34	49.42	49.44	0.02	NA	NA	NA	3313.10	
RW-8	11/14/19	3362.52	68.34	49.58	49.60	0.02	NA	sheen	10.00	3312.94	
RW-8	11/26/19	3362.52	68.34	49.38	49.41	0.03	NA	sheen	10.00	3313.14	
RW-8	12/03/19	3362.52	68.34	49.39	49.40	0.01	NA	sheen	10.00	3313.13	
RW-8	12/13/19	3362.52	68.34	49.35	49.40	0.05	NA	NA	NA	3313.16	MDPE
RW-8	12/20/19	3362.52	68.34	ND	49.42	ND	NA	3.00	22.00	3313.10	
RW-8	12/26/19	3362.52	68.34	ND	49.40	ND	NA	2.00	23.00	3313.12	0.24
RW-8	01/02/20	3362.52	68.34	49.45	49.47	0.02	NA	sheen	10.00	3313.07	
RW-8	01/09/20	3362.52	68.34	ND	49.35	ND	NA	NA	NA	3313.17	
RW-8	01/14/20	3362.52	68.34	ND	49.37	ND	NA	NA	10.00	3313.15	
RW-8	01/31/20	3362.52	68.34	sheen	49.32	sheen	NA	sheen	10.00	3313.20	
RW-8	02/07/20	3362.52	68.34	sheen	49.32	sheen	NA	sheen	10.00	3313.20	
RW-8	02/12/20	3362.52	68.34	sheen	49.28	sheen	NA	sheen	10.00	3313.24	
RW-8	02/19/20	3362.52	68.34	49.32	49.35	0.03	NA	sheen	10.00	3313.20	
RW-8	02/26/20	3362.52	68.34	49.37	49.41	0.04	NA	sheen	10.00	3313.14	
RW-8	03/05/20	3362.52	68.34	49.37	49.41	0.04	NA	sheen	10.00	3313.14	
RW-8	03/11/20	3362.52	68.34	49.33	49.35	0.02	NA	sheen	10.00	3313.19	
RW-8	03/17/20	3362.52	68.34	49.23	49.24	0.01	NA	sheen	10.00	3313.29	
RW-8	03/23/20	3362.52	68.34	49.24	49.26	0.02	NA	sheen	10.00	3313.28	
RW-8	05/07/20	3362.52	68.34	49.20	49.24	0.04	NA	NA	NA	3313.31	guage only
RW-8	05/20/20	3362.52	68.34	49.13	49.20	0.07	NA	0.25	9.75	3313.38	
RW-8	06/03/20	3362.52	68.34	49.11	49.17	0.06	NA	0.25	9.75	3313.40	
RW-8	06/16/20	3362.52	68.34	sheen	49.20	sheen	NA	sheen	10.00	3313.32	
RW-8	07/14/20	3362.52	68.34	49.12	49.21	0.09	NA	0.25	9.75	3313.39	
RW-8	08/18/20	3362.52	68.34	49.13	49.30	0.17	NA	0.50	9.50	3313.36	
RW-8	09/16/20	3362.52	68.34	48.15	48.22	0.07	NA	0.25	9.75	3314.36	
RW-8	10/08/20	3362.52	68.34	49.21	49.22	0.01	NA	sheen	10.00	3313.31	
RW-8	11/20/20	3362.52	68.34	49.13	49.28	0.15	NA	0.25	9.75	3313.37	
RW-8	12/04/20	3362.52	68.34	49.10	50.19	1.09	NA	3.50	21.50	3313.26	
RW-8	12/22/20	3362.52	68.34	49.18	50.00	0.82	NA	2.00	23.00	3313.22	
RW-8	01/07/21	3362.52	68.34	49.18	49.20	0.02	NA	sheen	20.00	3313.34	
RW-8	02/03/21	3362.52	68.34	49.08	49.25	0.17	NA	sheen	20.00	3313.41	
RW-8	03/19/21	3362.52	68.34	49.16	49.62	0.46	NA	2.00	18.00	3313.29	
RW-8	03/25/21	3362.52	68.34	49.06	49.31	0.25	NA	2.00	18.00	3313.42	
RW-8	04/09/21	3362.52	68.34	sheen	49.11	sheen	NA	sheen	25.00	3313.41	
RW-8	05/27/21	3362.52	68.34	49.05	52.70	3.65	NA	2.00	23.00	3312.92	

TABLE 2
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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-8	06/17/21	3362.52	68.34	49.05	49.15	0.10	NA	2.00	23.00	3313.46	
RW-8	07/29/21	3362.52	68.34	49.06	49.10	0.04	NA	sheen	10.00	3313.45	
RW-8	08/03/21	3362.52	68.34	49.12	49.14	0.02	NA	0.50	9.50	3313.40	
RW-8	09/02/21	3362.52	68.34	49.05	49.10	0.05	NA	0.25	9.75	3313.46	
RW-8	09/15/21	3362.52	68.34	49.14	49.18	0.04	NA	NA	NA	3313.37	sampled
RW-8	09/23/21	3362.52	68.34	sheen	49.14	sheen	NA	sheen	10.00	3313.38	
RW-8	09/30/21	3362.52	68.34	sheen	49.13	sheen	NA	sheen	10.00	3313.39	
RW-8	10/15/21	3362.52	68.34	49.21	49.34	0.13	NA	1.00	9.00	3313.29	
RW-8	11/23/21	3362.52	68.34	49.02	49.08	0.06	NA	0.25	9.75	3313.49	
RW-8	12/16/21	3362.52	68.34	sheen	49.09	sheen	NA	sheen	10.00	3313.43	
RW-8	12/22/21	3362.52	68.34	49.11	49.13	0.02	NA	sheen	10.00	3313.41	

Wells re-surveyed in November 2006, RW-2 used as bench mark (3362.00 ft)

NA: Not applicable
ND: Not detected
NG: Not gauged
* Possible error in field reading, corrected and noted as such in field notes

TABLE 3
2020-2021 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
MW-1	03/18/20	L1201828-01	<0.001	<0.001	<0.001	<0.003
MW-1	06/17/20	L1231256-01	<0.001	<0.001	<0.001	<0.003
MW-1	09/16/20	L1263780-01	<0.001	<0.001	<0.001	<0.003
MW-1	12/23/20	L1300493-01	<0.001	<0.001	<0.001	<0.003
MW-1	03/25/21	NS	NS	NS	NS	NS
MW-1	06/17/21	L1369543-01	<0.001	<0.001	<0.001	<0.003
MW-1	09/16/21	NS	NS	NS	NS	NS
MW-1	12/16/21	L1444115-01	<0.001	<0.001	<0.001	<0.003
MW-2	03/18/20	L1201828-02	<0.001	<0.001	<0.001	<0.003
MW-2	06/17/20	L1231256-02	<0.001	<0.001	<0.001	<0.003
MW-2	09/16/20	L1263780-02	<0.001	<0.001	<0.001	<0.003
MW-2	12/23/20	L1300493-02	<0.001	<0.001	<0.001	<0.003
MW-2	03/25/21	NS	NS	NS	NS	NS
MW-2	06/18/21	L1369543-02	<0.001	<0.001	<0.001	<0.003
MW-2	09/16/21	NS	NS	NS	NS	NS
MW-2	12/16/21	L1444115-02	<0.001	<0.001	<0.001	<0.003
MW-3	03/18/20	L1201828-03	<0.001	<0.001	<0.001	<0.003
MW-3	06/17/20	L1231256-03	<0.001	<0.001	<0.001	<0.003
MW-3	09/16/20	L1263780-03	<0.001	<0.001	<0.001	<0.003
MW-3	12/23/20	L1300493-03	<0.001	<0.001	<0.001	<0.003
MW-3	03/25/21	L1331415-01	<0.001	<0.001	<0.001	<0.003
MW-3	06/18/21	L1369543-03	<0.001	<0.001	<0.001	<0.003
MW-3	09/16/21	L1405764-01	<0.001	<0.001	<0.001	<0.003
MW-3	12/16/21	L1444115-03	<0.001	<0.001	<0.001	<0.003
MW-4	03/18/20	L1201828-04	<0.001	<0.001	<0.001	<0.003
MW-4	06/17/20	L1231256-04	<0.001	<0.001	<0.001	<0.003
MW-4	09/16/20	L1263780-04	<0.001	<0.001	<0.001	<0.003
MW-4	12/23/20	L1300493-04	<0.001	<0.001	<0.001	<0.003
MW-4	03/25/21	L1331415-02	<0.001	<0.001	<0.001	<0.003
MW-4	06/17/21	L1369543-04	<0.001	<0.001	<0.001	<0.003
MW-4	09/16/21	L1405764-02	<0.001	<0.001	<0.001	<0.003
MW-4	12/16/21	L1444115-04	<0.001	<0.001	<0.001	<0.003
MW-5	03/18/20	L1201828-05	<0.001	<0.001	<0.001	<0.003
MW-5	06/17/20	L1231256-05	<0.001	<0.001	<0.001	<0.003
MW-5	09/16/20	L1263780-05	<0.001	<0.001	<0.001	<0.003
MW-5	12/23/20	L1300493-05	<0.001	<0.001	<0.001	<0.003
MW-5	03/25/21	L1331415-03	<0.001	<0.001	<0.001	<0.003
MW-5	06/18/21	L1369543-05	<0.001	<0.001	<0.001	<0.003
MW-5	09/16/21	L1405764-03	<0.001	<0.001	<0.001	<0.003
MW-5	12/16/21	L1444115-05	<0.001	<0.001	<0.001	<0.003

TABLE 3
2020-2021 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
MW-6	03/18/20	L1201828-06	<0.001	<0.001	<0.001	<0.003
MW-6	09/16/20	L1263780-06	<0.001	<0.001	<0.001	<0.003
MW-6	06/17/20	L1231256-06	<0.001	<0.001	<0.001	<0.003
MW-6	12/23/20	L1300493-06	<0.001	<0.001	<0.001	<0.003
MW-6	03/25/21	L1331415-04	<0.001	<0.001	<0.001	<0.003
MW-6	06/18/21	L1369543-06	<0.001	<0.001	<0.001	<0.003
MW-6	09/16/21	L1405764-04	<0.001	<0.001	<0.001	<0.003
MW-6	12/16/21	L1444115-06	<0.001	<0.001	<0.001	<0.003
MW-7	03/18/20	L1201828-07	<0.001	<0.001	<0.001	<0.003
MW-7	06/17/20	L1231256-07	<0.001	<0.001	<0.001	<0.003
MW-7	09/16/20	L1263780-07	<0.001	<0.001	<0.001	<0.003
MW-7	12/23/20	L1300493-07	<0.001	<0.001	<0.001	<0.003
MW-7	03/25/21	L1331415-05	<0.001	<0.001	<0.001	<0.003
MW-7	06/17/21	L1369543-07	<0.001	<0.001	<0.001	<0.003
MW-7	09/16/21	L1405764-05	<0.001	<0.001	<0.001	<0.003
MW-7	12/16/21	L1444115-07	<0.001	<0.001	<0.001	<0.003
RW-1	03/18/20	L1201828-08	0.00355	0.00100	0.0275	0.0522
RW-1	06/17/20	L1231256-08	0.00794	<0.001	0.0515	0.0847
RW-1	09/16/20	L1263780-08	0.00145	<0.001	0.0231	0.0289
RW-1	12/23/20	L1300493-08	0.00113	<0.001	0.00399	0.00512
RW-1	03/25/21	L1331415-06	0.00296	<0.001	0.0214	0.0256
RW-1	06/17/21	L1369543-08	0.00714	<0.001	0.0322	0.0320
RW-1	09/16/21	L1405764-06	0.00577	0.00270	0.0121	0.0178
RW-1	12/16/21	L1444115-08	0.00454	<0.001	0.0149	0.0158
		3				
RW-2	03/18/20	NS	NS	NS	NS	NS
RW-2	06/17/20	L1231256-09	0.00404	0.0041	0.0158	0.0641
RW-2	09/16/20	NS	NS	NS	NS	NS
RW-2	12/23/20	NS	NS	NS	NS	NS
RW-2	03/25/21	NS	NS	NS	NS	NS
RW-2	06/17/21	L1369543-09	0.0041	0.00201	0.0205	0.0490
RW-2	09/16/21	NS	NS	NS	NS	NS
RW-2	12/16/21	NS	NS	NS	NS	NS

TABLE 3
2020-2021 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
RW-3	03/18/20	NS	NS	NS	NS	NS
RW-3	06/17/20	L1231256-10	<0.001	<0.001	0.00789	0.0179
RW-3	09/16/20	L1263780-09	<0.001	<0.001	0.0137	0.0317
RW-3	12/23/20	NS	NS	NS	NS	NS
RW-3	03/25/21	L1331415-07	0.00178	<0.001	0.00930	0.0163
RW-3	06/18/21	L1369543-10	<0.001	<0.001	0.00449	0.00619
RW-3	09/16/21	NS	NS	NS	NS	NS
RW-3	12/16/21	NS	NS	NS	NS	NS
RW-4	03/18/20	L1201828-09	<0.001	<0.001	<0.001	<0.003
RW-4	06/17/20	L1231256-11	<0.001	<0.001	<0.001	<0.003
RW-4	09/16/20	L1263780-10	<0.001	<0.001	<0.001	<0.003
RW-4	12/23/20	L1300493-09	<0.001	<0.001	<0.001	<0.003
RW-4	03/25/21	L1331415-08	<0.001	<0.001	<0.001	<0.003
RW-4	06/18/21	L1369543-11	<0.001	<0.001	<0.001	<0.003
RW-4	09/16/21	NS	NS	NS	NS	NS
RW-4	12/16/21	L1444115-09	<0.001	<0.001	<0.001	<0.003
RW-5	03/18/20	L1201828-10	<0.001	<0.001	<0.001	<0.003
RW-5	06/17/20	L1231256-12	<0.001	<0.001	<0.001	<0.003
RW-5	09/16/20	L1263780-11	<0.001	<0.001	<0.001	<0.003
RW-5	12/23/20	L1300493-10	<0.001	<0.001	<0.001	<0.003
RW-5	03/25/21	NS	NS	NS	NS	NS
RW-5	06/18/21	L1369543-12	<0.001	<0.001	<0.001	<0.003
RW-5	09/16/21	NS	NS	NS	NS	NS
RW-5	12/16/21	L1444115-10	<0.001	<0.001	<0.001	<0.003

TABLE 3
2020-2021 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B			
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
			NMOCD Remediation Criteria			
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L
RW-6	03/18/20	L1158995-11	<0.001	<0.001	<0.001	<0.003
RW-6	06/17/20	L1231256-13	<0.001	<0.001	<0.001	<0.003
RW-6	09/16/20	L1263780-12	<0.001	<0.001	<0.001	<0.003
RW-6	12/23/20	L1300493-11	<0.001	<0.001	<0.001	<0.003
RW-6	03/25/21	NS	NS	NS	NS	NS
RW-6	06/18/21	L1369543-13	<0.001	<0.001	<0.001	<0.003
RW-6	09/16/21	NS	NS	NS	NS	NS
RW-6	12/16/21	L1444115-11	<0.001	<0.001	<0.001	<0.003
RW-7	03/18/20	L1201828-11	<0.001	<0.001	<0.001	<0.003
RW-7	06/17/20	L1231256-14	0.0015	<0.001	0.00556	<0.003
RW-7	09/16/20	L1263780-13	0.0015	<0.001	<0.001	<0.003
RW-7	12/23/20	L1300493-12	<0.001	<0.001	0.00355	<0.003
RW-7	03/25/21	L1331415-09	0.00151	<0.001	0.00108	<0.003
RW-7	06/18/21	L1369543-14	<0.001	<0.001	0.00179	<0.003
RW-7	09/16/21	L1405764-07	0.00114	<0.001	0.00126	<0.003
RW-7	12/16/21	L1444115-12	0.00126	<0.001	<0.001	<0.003
RW-8	03/18/20	NS	NS	NS	NS	NS
RW-8	06/17/20	L1231256-15	**0.0424**	<0.005	0.115	0.258
RW-8	09/16/20	NS	NS	NS	NS	NS
RW-8	12/23/20	NS	NS	NS	NS	NS
RW-8	03/25/21	NS	NS	NS	NS	NS
RW-8	06/18/21	L1369543-15	0.00498	<0.001	0.0417	0.0832
RW-8	09/16/21	L1405764-08	**0.0265**	<0.001	0.0519	0.0913
RW-8	12/16/21	L1444115-13	0.00562	<0.001	0.0230	0.0545

NS - not sampled

NMOCD: New Mexico Oil Conservation Division

Exceedences of NMOCD Remediation Criteria are shown in ***bold***

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-1	03/29/06	T13036-1	**0.557**	0.0032	0.0133	0.0092	
MW-1	06/10/06	T13862-1	**0.639** [a]	<0.00036	0.0033	0.0015 J	
MW-1	09/12/06	T14676-1	**0.512** [a]	<0.00020	<0.00033	<0.00036	
MW-1	12/06/06	T15618-1	**0.452** [a]	<0.00020	0.0049	<0.00036	
MW-1	02/28/07	T16494-1	**0.481** [a]	<0.00020	0.0191	<0.00036	
MW-1	05/30/07	T17645-1	**0.213** [a]	<0.00023	0.0043	<0.00055	
MW-1	09/06/07	T18811-1	**0.066**	<0.00023	0.006	<0.00055	
MW-1	11/13/07	T19737-1	**0.0955** [c]	<0.001	0.0091	<0.003	
MW-1	02/26/08	T21028-1	**0.0156**	<0.00023	0.00069 J	<0.00055	
MW-1	05/28/08	T22367-1	**0.031**	<0.00023	0.0022	<0.00055	
MW-1	08/18/08	T23538-1	0.001	<0.0005	<0.0005	<0.001	
MW-1	11/19/08	8112008	**0.0209**	0.00120	0.00330	<0.00100	
MW-1	02/17/09	187728	0.0027	<0.001	<0.001	<0.001	
MW-1	05/19/09	196550	0.0004 J	<0.000281	<0.000535	<0.000960	
MW-1	08/26/09	208325	<0.000133	<0.000281	<0.000535	<0.000960	
MW-1	11/18/09	215413	**0.223**	<0.00332	0.0617	<0.00143	
MW-1	02/11/10	222481	**0.0769**	<0.0004	0.0042	<0.000379	
MW-1	05/12/10	1005475-01	<0.0010	<0.0010	<0.0010	<0.0030	
MW-1	08/26/10	1008909-01	**0.017**	<0.0010	<0.0010	<0.0030	
MW-1	11/18/10	1011749-01	0.0077	<0.0010	<0.0010	<0.0030	
MW-1	02/23/11	1102701-04	**0.025**	<0.0010	<0.0010	<0.0030	
MW-1	06/01/11	1106050-01	0.0004 J	<0.0010	<0.0010	<0.0030	
MW-1	08/30/11	11081008-01	<0.001	<0.0010	<0.0010	<0.0030	
MW-1	11/28/11	1111901-01	<0.001	<0.0010	<0.0010	<0.0030	
MW-1	02/22/12	1202864-01	0.0010	<0.0010	<0.0010	<0.0030	
MW-1	05/22/12	12051078-01	<0.001	<0.0010	<0.0010	<0.0030	
MW-1	09/11/12	1209475-01	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-1	11/26/12	1211904-01	<0.001	<0.001	<0.001	<0.003	
MW-1	02/27/13	L622455-01	<0.001	<0.005	<0.001	<0.003	
MW-1	06/11/13	L641163-01	<0.001	<0.005	<0.001	<0.003	
MW-1	09/10/13	L656835-01	<0.001	<0.005	<0.001	<0.003	
MW-1	11/07/13	L667856-01	0.00046 J	<0.005	<0.001	<0.003	
MW-1	03/05/14	L686955-01	<0.001	<0.005	<0.001	<0.003	
MW-1	06/03/14	L703477-01	<0.001	<0.005	<0.001	<0.003	
MW-1	09/17/14	L722791-01	<0.001	<0.005	<0.001	<0.003	
MW-1	11/12/14	L733897-01	<0.001	<0.005	<0.001	<0.003	
MW-1	02/25/15	L750722-01	<0.001	<0.005	<0.001	<0.003	
MW-1	06/16/15	L772255-01	<0.001	<0.005	<0.001	<0.003	
MW-1	08/26/15	L785959-01	<0.001	<0.005	<0.001	<0.003	
MW-1	11/17/15	L802523-01	<0.001	<0.005	<0.001	<0.003	
MW-1	03/08/16	L822589-01	<0.001	<0.005	<0.001	<0.003	
MW-1	05/17/16	L836879-01	<0.001	<0.005	<0.001	<0.003	
MW-1	09/19/16	L860929-01	<0.001	<0.005	<0.001	<0.003	
MW-1	12/14/16	L879216-01	<0.001	<0.001	<0.001	<0.003	
MW-1	02/28/17	L893439-01	<0.001	<0.001	<0.001	<0.003	
MW-1	05/08/17	L908717-01	<0.001	<0.001	<0.001	<0.003	
MW-1	09/15/17	L936891-01	<0.001	<0.001	<0.001	<0.003	
MW-1	11/29/17	L954383-01	<0.001	<0.001	<0.001	<0.003	
MW-1	03/07/18	L976397-01	<0.001	<0.001	<0.001	<0.003	
MW-1	06/12/18	L1001691-01	<0.001	<0.001	<0.001	<0.003	
MW-1	09/05/18	L1023536-01	<0.001	<0.001	<0.001	<0.003	
MW-1	11/28/18	L1048614-01	<0.001	<0.001	<0.001	<0.003	
MW-1	02/12/19	L1069996-01	<0.001	<0.001	<0.001	<0.003	
MW-1	05/08/19	L1097774-01	<0.001	0.00486	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-1	08/22/19	L1132369-01	<0.001	<0.001	<0.001	<0.003	
MW-1	11/06/19	L1158995-01	<0.001	<0.001	<0.001	<0.003	
MW-1	03/18/20	L1201828	<0.001	<0.001	<0.001	<0.003	
MW-1	06/17/20	L1231256-01	<0.001	<0.001	<0.001	<0.003	
MW-1	09/16/20	L1263780-01	<0.001	<0.001	<0.001	<0.003	
MW-1	12/23/20	L1300493-01	<0.001	<0.001	<0.001	<0.003	
MW-1	03/25/21	NS	NS	NS	NS	NS	
MW-1	06/17/21	L1369543-01	<0.001	<0.001	<0.001	<0.003	
MW-1	09/16/21	NS	NS	NS	NS	NS	
MW-1	12/16/21	L1444115-01	<0.001	<0.001	<0.001	<0.003	
MW-2	03/29/06	T 13036-2	0.0012	0.0011	0.00042	<0.00072	
MW-2	06/10/06	T13862-2	0.00038 J	<0.00036	<0.00035	<0.00072	
MW-2	09/12/06	T14676-2	<0.00035	<0.00020	<0.00033	<0.00036	
MW-2	12/06/06	T15618-2	0.0012	0.00087 J	<0.00033	<0.00036	
MW-2	02/28/07	T16494-2	0.0044	0.0017	<0.00033	<0.00036	
MW-2	05/30/07	T17645-2	0.00065 J	<0.00023	<0.00035	<0.00055	
MW-2	09/06/07	T18811-2	<0.00021	<0.00023	<0.00035	<0.00055	
MW-2	11/13/07	T19737-2	<0.001	<0.001	<0.001	<0.003	
MW-2	02/26/08	T21028-2	<0.00021	<0.00023	<0.00035	<0.00055	
MW-2	05/28/08	T22367-2	<0.00021	<0.00023	<0.00035	<0.00055	
MW-2	08/18/08	T23538-2	0.00065 J	<0.0005	<0.0005	<0.001	
MW-2	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-2	02/17/09	187729	<0.00100	<0.00100	<0.00100	<0.00100	
MW-2	05/19/09	196551	<0.000133	<0.000281	<0.000535	0.0018	
MW-2	08/26/09	208326	<0.000149	<0.000188	<0.000178	<0.000163	
MW-2	11/18/09	215414	<0.000160	<0.000332	<0.000230	<0.000143	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-2	02/11/10	222482	<0.000371	<0.0004	<0.00043	<0.000379	
MW-2	05/12/10	1005475-02	<0.001	<0.001	<0.001	<0.003	
MW-2	08/26/10	1008909-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/18/10	1011749-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/23/11	1102701-05	<0.001	<0.001	<0.001	<0.003	
MW-2	06/01/11	1106050-02	<0.001	<0.001	<0.001	<0.003	
MW-2	08/30/11	11081008-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/28/11	1111901-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/22/12	1202864-02	<0.001	<0.001	<0.001	<0.003	
MW-2	05/22/12	12051078-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/11/12	1209475-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/26/12	1211904-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/27/13	L622455-02	<0.001	<0.005	<0.001	<0.003	
MW-2	06/11/13	L641163-02	<0.001	<0.005	<0.001	<0.003	
MW-2	09/10/13	L656835-02	<0.001	<0.005	<0.001	<0.003	
MW-2	11/07/13	L667856-02	<0.001	<0.005	<0.001	<0.003	
MW-2	03/05/14	L686955-02	<0.001	<0.005	<0.001	<0.003	
MW-2	06/03/14	L703477-02	<0.001	<0.005	<0.001	<0.003	
MW-2	09/17/14	L722791-02	<0.001	<0.005	<0.001	<0.003	
MW-2	11/12/14	L733897-02	<0.001	<0.005	<0.001	<0.003	
MW-2	02/25/15	L750722-02	<0.001	<0.005	<0.001	<0.003	
MW-2	06/16/15	L772255-02	<0.001	<0.005	<0.001	<0.003	
MW-2	08/26/15	L785959-02	<0.001	<0.005	<0.001	<0.003	
MW-2	11/17/15	L802523-02	<0.001	<0.005	<0.001	<0.003	
MW-2	03/08/16	L822589-02	<0.001	<0.005	<0.001	<0.003	
MW-2	05/17/16	L836879-02	<0.001	<0.005	<0.001	<0.003	
MW-2	09/19/16	L860929-02	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-2	12/14/16	L879216-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/28/17	L893439-02	<0.001	<0.001	<0.001	<0.003	
MW-2	05/08/17	L908717-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/15/17	L936891-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/29/17	L954383-02	<0.001	<0.001	<0.001	<0.003	
MW-2	03/07/18	L976397-02	<0.001	<0.001	<0.001	<0.003	
MW-2	06/12/18	L1001691-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/05/18	L1023536-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/28/18	L1048614-02	<0.001	<0.001	<0.001	<0.003	
MW-2	02/12/19	L1069996-02	<0.001	<0.001	<0.001	<0.003	
MW-2	05/08/19	L1097774-02	<0.001	0.00488	<0.001	<0.003	
MW-2	08/22/19	L1132369-02	<0.001	<0.001	<0.001	<0.003	
MW-2	11/06/19	L1158995-02	<0.001	<0.001	<0.001	<0.003	
MW-2	03/18/20	L1201828-02	<0.001	<0.001	<0.001	<0.003	
MW-2	06/17/20	L1231256-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/16/20	L1263780-02	<0.001	<0.001	<0.001	<0.003	
MW-2	12/23/20	L1300493-02	<0.001	<0.001	<0.001	<0.003	
MW-2	03/25/21	NS	NS	NS	NS	NS	
MW-2	06/18/21	L1369543-02	<0.001	<0.001	<0.001	<0.003	
MW-2	09/16/21	NS	NS	NS	NS	NS	
MW-2	12/16/21	L1444115-02	<0.001	<0.001	<0.001	<0.003	
MW-3	03/29/06	T 13036-3	**0.0129**	0.0089	0.0021	0.0038	
MW-3	06/10/06	T13862-3	0.0075	0.0043	0.00071 J	0.002	
MW-3	09/12/06	T14676-3	0.0023	<0.00020	<0.00033	<0.00036	
MW-3	12/06/06	T15618-3	0.0021	0.00077 J	<0.00033	<0.00036	
MW-3	02/28/07	T16494-3	0.0078	0.0026	0.00061	0.0024 J	

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Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-3	05/30/07	T17645-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	09/06/07	T18811-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	11/13/07	T19737-3	<0.001	<0.001	<0.001	<0.003	
MW-3	02/26/08	T21028-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	05/28/08	T22367-3	<0.00021	<0.00023	<0.00035	<0.00055	
MW-3	08/18/08	T23538-3	0.0019	<0.0005	<0.0005	<0.0005	
MW-3	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-3	02/17/09	187730	<0.00100	<0.00100	<0.00100	<0.00100	
MW-3	05/19/09	196552	0.0011	<0.000281	<0.000535	<0.000960	
MW-3	08/26/09	208327	<0.000149	<0.000188	<0.000178	<0.000163	
MW-3	11/18/09	215415	<0.000160	<0.000332	<0.000230	<0.000143	
MW-3	02/11/10	222483	<0.000371	<0.0004	<0.00043	<0.000379	
MW-3	08/26/10	1008909-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/18/10	1011749-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/23/11	1102701-06	<0.001	<0.001	<0.001	<0.003	
MW-3	06/01/11	1106050-03	<0.001	<0.001	<0.001	<0.003	
MW-3	08/30/11	11081008-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/28/11	1111901-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/22/12	1202864-03	<0.001	<0.001	<0.001	<0.003	
MW-3	05/22/12	12051078-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/11/12	1209475-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/26/12	1211904-02	<0.001	<0.001	<0.001	<0.003	
MW-3	02/27/13	L622455-03	<0.001	<0.005	<0.001	<0.003	
MW-3	06/11/13	L641163-03	<0.001	<0.005	<0.001	<0.003	
MW-3	09/10/13	L656835-03	<0.001	<0.005	<0.001	<0.003	
MW-3	11/07/13	L667856-03	<0.001	<0.005	<0.001	<0.003	
MW-3	03/05/14	L686955-03	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-3	06/03/14	L703477-03	<0.001	<0.005	<0.001	<0.003	
MW-3	09/17/14	L722791-03	<0.001	<0.005	<0.001	<0.003	
MW-3	11/12/14	L733897-03	<0.001	<0.005	<0.001	<0.003	
MW-3	02/25/15	L750722-03	<0.001	<0.005	<0.001	<0.003	
MW-3	06/16/15	L772255-03	<0.001	<0.005	<0.001	<0.003	
MW-3	08/26/15	L785959-03	<0.001	<0.005	<0.001	<0.003	
MW-3	11/17/15	L802523-03	<0.001	<0.005	<0.001	<0.003	
MW-3	03/08/16	L822589-03	<0.001	<0.005	<0.001	<0.003	
MW-3	05/17/16	L836879-03	<0.001	<0.005	<0.001	<0.003	
MW-3	09/19/16	L860929-03	<0.001	<0.005	<0.001	<0.003	
MW-3	12/14/16	L879216-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/28/17	L893439-03	<0.001	<0.001	<0.001	<0.003	
MW-3	05/08/17	L908717-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/15/17	L936891-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/29/17	L954383-03	<0.001	<0.001	<0.001	<0.003	
MW-3	03/07/18	L976397-03	<0.001	<0.001	<0.001	<0.003	
MW-3	06/12/18	L1001691-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/05/18	L1023536-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/28/18	L1048614-03	<0.001	<0.001	<0.001	<0.003	
MW-3	02/12/19	L1069996-03	<0.001	<0.001	<0.001	<0.003	
MW-3	05/08/19	L1097774-03	<0.001	<0.001	<0.001	<0.003	
MW-3	08/22/19	L1132369-03	<0.001	<0.001	<0.001	<0.003	
MW-3	11/06/19	L1158995-03	<0.001	<0.001	<0.001	<0.003	
MW-3	03/18/20	L1201828-03	<0.001	<0.001	<0.001	<0.003	
MW-3	06/17/20	L1231256-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/16/20	L1263780-03	<0.001	<0.001	<0.001	<0.003	
MW-3	12/23/20	L1300493-03	<0.001	<0.001	<0.001	<0.003	

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Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-3	03/25/21	L1331415-01	<0.001	<0.001	<0.001	<0.003	
MW-3	06/18/21	L1369543-03	<0.001	<0.001	<0.001	<0.003	
MW-3	09/16/21	L1405764-01	<0.001	<0.001	<0.001	<0.003	
MW-3	12/16/21	L1444115-03	<0.001	<0.001	<0.001	<0.003	
MW-4	12/06/06	T15618-4	<0.00035	<0.00020	<0.00033	<0.00036	
MW-4	02/28/07	T16494-4	<0.00035	<0.00020	<0.00033	<0.00036	
MW-4	05/30/07	T17645-4	<0.00021	<0.00023	<0.00035	<0.00055	
MW-4	09/06/07	T18811-4	<0.00021	<0.00023	<0.00035	<0.00055	
MW-4	11/13/07	T19737-4	<0.001	<0.001	<0.001	<0.003	
MW-4	02/26/08	T21028-4	0.00086 J	<0.00023	<0.00035	<0.00055	
MW-4	05/28/08	T22367-4	<0.00021	<0.00023	<0.00035	<0.00055	
MW-4	08/18/08	T23538-4	<0.0005	<0.0005	<0.0005	<0.001	
MW-4	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-4	02/17/09	187731	<0.00100	<0.00100	<0.00100	<0.00100	
MW-4	05/19/09	196553	<0.000133	<0.000281	<0.000535	<0.000960	
MW-4	08/26/09	208328	<0.000149	<0.000188	<0.000178	<0.000163	
MW-4	11/18/09	215416	<0.000160	<0.000332	<0.000230	<0.000143	
MW-4	02/11/10	222484	<0.000371	<0.0004	<0.00043	<0.000379	
MW-4	05/12/10	1005475-04	<0.001	<0.001	<0.001	<0.003	
MW-4	08/26/10	1008909-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/18/10	1011749-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/23/11	1102701-07	<0.001	<0.001	<0.001	<0.003	
MW-4	06/01/11	1106050-04	<0.001	<0.001	<0.001	<0.003	
MW-4	08/30/11	11081008-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/28/11	1111901-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/22/12	1202864-04	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-4	05/22/12	12051078-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/11/12	1209475-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/26/12	1211904-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/27/13	L622455-04	<0.001	<0.005	<0.001	<0.003	
MW-4	06/11/13	L641163-04	<0.001	<0.005	<0.001	<0.003	
MW-4	09/10/13	L656835-04	<0.001	<0.005	<0.001	<0.003	
MW-4	11/07/13	L667856-04	<0.001	<0.005	<0.001	<0.003	
MW-4	03/05/14	L686955-04	<0.001	<0.005	<0.001	<0.003	
MW-4	06/03/14	L703477-04	<0.001	<0.005	<0.001	<0.003	
MW-4	09/17/14	L722791-04	<0.001	<0.005	<0.001	<0.003	
MW-4	11/12/14	L733897-04	<0.001	<0.005	<0.001	<0.003	
MW-4	02/25/15	L750722-04	<0.001	<0.005	<0.001	<0.003	
MW-4	06/16/15	L772255-04	<0.001	<0.005	<0.001	<0.003	
MW-4	08/26/15	L785959-04	<0.001	<0.005	<0.001	<0.003	
MW-4	11/17/15	L802523-04	<0.001	<0.005	<0.001	<0.003	
MW-4	03/08/16	L822589-04	<0.001	<0.005	<0.001	<0.003	
MW-4	05/17/16	L836879-04	<0.001	<0.005	<0.001	<0.003	
MW-4	09/19/16	L860929-04	<0.001	<0.005	<0.001	<0.003	
MW-4	12/14/16	L879216-04	<0.001	<0.001	<0.001	<0.003	
MW-4	02/28/17	L893439-04	<0.001	<0.001	<0.001	<0.003	
MW-4	05/08/17	L908717-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/15/17	L936891-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/29/17	L954383-04	<0.001	<0.001	<0.001	<0.003	
MW-4	03/07/18	L976397-04	<0.001	<0.001	<0.001	<0.003	
MW-4	06/12/18	L1001691-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/05/18	L1023536-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/28/18	L1048614-04	<0.001	<0.001	<0.001	<0.003	

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Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-4	02/12/19	L1069996-04	<0.001	<0.001	<0.001	<0.003	
MW-4	05/08/19	L1097774-04	<0.001	0.00479	<0.001	<0.003	
MW-4	08/22/19	L1132369-04	<0.001	<0.001	<0.001	<0.003	
MW-4	11/06/19	L1158995-04	<0.001	<0.001	<0.001	<0.003	
MW-4	03/18/20	L1201828-04	<0.001	<0.001	<0.001	<0.003	
MW-4	06/17/20	L1231256-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/16/20	L1263780-04	<0.001	<0.001	<0.001	<0.003	
MW-4	12/23/20	L1300493-04	<0.001	<0.001	<0.001	<0.003	
MW-4	03/25/21	L1331415-02	<0.001	<0.001	<0.001	<0.003	
MW-4	06/17/21	L1369543-04	<0.001	<0.001	<0.001	<0.003	
MW-4	09/16/21	L1405764-02	<0.001	<0.001	<0.001	<0.003	
MW-4	12/16/21	L1444115-04	<0.001	<0.001	<0.001	<0.003	
MW-5	12/06/06	T15618-5	0.00055 J	<0.00020	<0.00033	<0.00036	
MW-5	02/28/07	T16494-5	<0.00035	<0.00020	<0.00033	<0.00036	
MW-5	05/30/07	T17645-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	09/06/07	T18811-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	11/13/07	T19737-5	<0.001	<0.001	<0.001	<0.003	
MW-5	02/26/08	T21028-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	05/28/08	T22367-5	<0.00021	<0.00023	<0.00035	<0.00055	
MW-5	08/18/08	T23538-5	<0.0005	<0.0005	<0.0005	<0.001	
MW-5	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-5	02/17/09	187732	<0.00100	<0.00100	<0.00100	<0.00100	
MW-5	05/19/09	196554	<0.000133	<0.000281	<0.000535	<0.000960	
MW-5	08/26/09	208329	<0.000149	<0.000188	<0.000178	<0.000163	
MW-5	11/18/09	215417	<0.000160	<0.000332	<0.000230	<0.000143	
MW-5	02/11/10	222485	<0.000371	<0.0004	<0.00043	<0.000379	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-5	05/12/10	1005475-05	<0.001	<0.001	<0.001	<0.003	
MW-5	08/26/10	1008909-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/18/10	1011749-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/23/11	1102701-08	<0.001	<0.001	<0.001	<0.003	
MW-5	06/01/11	1106050-05	<0.001	<0.001	<0.001	<0.003	
MW-5	08/30/11	11081008-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/28/11	1111901-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/22/12	1202864-05	<0.001	<0.001	<0.001	<0.003	
MW-5	05/22/12	12051078-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/11/12	1209475-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/26/12	1211904-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/27/13	L622455-05	<0.001	<0.005	<0.001	<0.003	
MW-5	06/11/13	L641163-05	<0.001	<0.005	<0.001	<0.003	
MW-5	09/10/13	L656835-05	<0.001	<0.005	<0.001	<0.003	
MW-5	11/07/13	L667856-05	<0.001	<0.005	<0.001	<0.003	
MW-5	03/05/14	L686955-05	<0.001	<0.005	<0.001	<0.003	
MW-5	06/03/14	L703477-05	<0.001	<0.005	<0.001	<0.003	
MW-5	09/17/14	L722791-05	<0.001	<0.005	0.019	0.0033	
MW-5	11/12/14	L733897-05	<0.001	<0.005	<0.001	<0.003	
MW-5	02/25/15	L750722-05	<0.001	<0.005	<0.001	<0.003	
MW-5	06/16/15	L772255-05	<0.001	<0.005	<0.001	<0.003	
MW-5	08/26/15	L785959-05	<0.001	<0.005	<0.001	<0.003	
MW-5	11/17/15	L802523-05	<0.001	<0.005	<0.001	<0.003	
MW-5	03/08/16	L822589-05	<0.001	<0.005	<0.001	<0.003	
MW-5	05/17/16	L836879-05	<0.001	<0.005	<0.001	<0.003	
MW-5	09/19/16	L860929-05	<0.001	<0.005	<0.001	<0.003	
MW-5	12/14/16	L879216-05	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-5	02/28/17	L893439-05	<0.001	<0.001	<0.001	<0.003	
MW-5	05/09/17	L908717-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/15/17	L936891-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/29/17	L954383-05	<0.001	<0.001	<0.001	<0.003	
MW-5	03/07/18	L976397-05	<0.001	<0.001	<0.001	<0.003	
MW-5	06/12/18	L1001691-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/05/18	L1023536-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/28/18	L1048614-05	<0.001	<0.001	<0.001	<0.003	
MW-5	02/12/19	L1069996-05	<0.001	<0.001	<0.001	<0.003	
MW-5	05/08/19	L1097774-05	<0.001	<0.001	<0.001	<0.003	
MW-5	08/22/19	L1132369-05	<0.001	<0.001	<0.001	<0.003	
MW-5	11/06/19	L1158995-05	<0.001	<0.001	<0.001	<0.003	
MW-5	03/18/20	L1201828-05	<0.001	<0.001	<0.001	<0.003	
MW-5	06/17/20	L1231256-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/16/20	L1263780-05	<0.001	<0.001	<0.001	<0.003	
MW-5	12/23/20	L1300493-05	<0.001	<0.001	<0.001	<0.003	
MW-5	03/25/21	L1331415-03	<0.001	<0.001	<0.001	<0.003	
MW-5	06/18/21	L1369543-05	<0.001	<0.001	<0.001	<0.003	
MW-5	09/16/21	L1405764-03	<0.001	<0.001	<0.001	<0.003	
MW-5	12/16/21	L1444115-05	<0.001	<0.001	<0.001	<0.003	
MW-6	12/06/06	T15618-6	<0.00035	<0.00020	<0.00033	<0.00036	
MW-6	02/28/07	T16494-6	<0.00035	<0.00020	<0.00033	<0.00036	
MW-6	05/30/07	T17645-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	09/06/07	T18811-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	11/13/07	T19737-6	<0.001	<0.001	<0.001	<0.003	
MW-6	02/26/08	T21028-6	<0.00021	<0.00023	<0.00035	<0.00055	

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Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-6	05/28/08	T22367-6	<0.00021	<0.00023	<0.00035	<0.00055	
MW-6	08/18/08	T23538-6	<0.0005	<0.0005	<0.0005	<0.001	
MW-6	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-6	02/17/09	187733	<0.00100	<0.00100	<0.00100	<0.00100	
MW-6	05/19/09	196555	<0.000133	<0.000281	<0.000535	<0.000960	
MW-6	08/26/09	208330	<0.000149	<0.000188	<0.000178	<0.000163	
MW-6	11/18/09	215418	<0.000160	<0.000332	<0.000230	<0.000143	
MW-6	02/11/10	222486	<0.000371	<0.0004	<0.00043	<0.000379	
MW-6	05/12/10	1005475-06	<0.001	<0.001	<0.001	<0.003	
MW-6	08/26/10	1008909-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/18/10	1011749-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/23/11	1102701-09	<0.001	<0.001	<0.001	<0.003	
MW-6	06/01/11	1106050-06	<0.001	<0.001	<0.001	<0.003	
MW-6	08/30/11	11081008-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/28/11	1111901-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/22/12	1202864-06	<0.001	<0.001	<0.001	<0.003	
MW-6	05/22/12	12051078-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/11/12	1209475-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/26/12	1211904-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/27/13	L622455-06	<0.001	<0.005	<0.001	<0.003	
MW-6	06/11/13	L641163-06	<0.001	<0.005	<0.001	<0.003	
MW-6	09/10/13	L656835-06	<0.001	<0.005	<0.001	<0.003	
MW-6	11/07/13	L667856-06	<0.001	<0.005	<0.001	<0.003	
MW-6	03/05/14	L686955-06	<0.001	<0.005	<0.001	<0.003	
MW-6	06/03/14	L703477-06	<0.001	<0.005	<0.001	<0.003	
MW-6	09/17/14	L722791-06	<0.001	<0.005	<0.001	<0.003	
MW-6	11/12/14	L733897-06	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-6	02/25/15	L750722-06	<0.001	<0.005	<0.001	<0.003	
MW-6	06/16/15	L772255-06	<0.001	<0.005	<0.001	<0.003	
MW-6	08/26/15	L785959-06	<0.001	<0.005	<0.001	<0.003	
MW-6	11/17/15	L802523-06	<0.001	<0.005	<0.001	<0.003	
MW-6	03/08/16	L822589-06	<0.001	<0.005	<0.001	<0.003	
MW-6	05/17/16	L836879-06	<0.001	<0.005	<0.001	<0.003	
MW-6	09/19/16	L860929-06	<0.001	<0.005	<0.001	<0.003	
MW-6	12/14/16	L879216-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/28/17	L893439-06	<0.001	<0.001	<0.001	<0.003	
MW-6	05/09/17	L908717-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/15/17	L936891-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/29/17	L954383-06	<0.001	<0.001	<0.001	<0.003	
MW-6	03/07/18	L976397-06	<0.001	<0.001	<0.001	<0.003	
MW-6	06/12/18	L1001691-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/05/18	L1023536-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/28/18	L1048614-06	<0.001	<0.001	<0.001	<0.003	
MW-6	02/12/19	L1069996-06	<0.001	<0.001	<0.001	<0.003	
MW-6	05/08/19	L1097774-06	<0.001	<0.001	<0.001	<0.003	
MW-6	08/22/19	L1132369-06	<0.001	<0.001	<0.001	<0.003	
MW-6	11/06/19	L1158995-06	<0.001	<0.001	<0.001	<0.003	
MW-6	03/18/20	L1201828-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/16/20	L1263780-06	<0.001	<0.001	<0.001	<0.003	
MW-6	06/17/20	L1231256-06	<0.001	<0.001	<0.001	<0.003	
MW-6	12/23/20	L1300493-06	<0.001	<0.001	<0.001	<0.003	
MW-6	03/25/21	L1331415-04	<0.001	<0.001	<0.001	<0.003	
MW-6	06/18/21	L1369543-06	<0.001	<0.001	<0.001	<0.003	
MW-6	09/16/21	L1405764-04	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-6	12/16/21	L1444115-06	<0.001	<0.001	<0.001	<0.003	
MW-7	12/06/06	T15618-7	<0.00035	<0.00020	<0.00033	<0.00036	
MW-7	02/28/07	T16494-7	**0.0114**	<0.00020	<0.00033	<0.00036	
MW-7	05/30/07	T17645-7	0.0049	<0.00023	<0.00035	<0.00055	
MW-7	09/06/07	T18811-7	0.00073 J	<0.00023	<0.00035	<0.00055	
MW-7	11/13/07	T19737-7	<0.001	<0.001	<0.001	<0.003	
MW-7	02/26/08	T21028-7	<0.00021	<0.00023	<0.00035	<0.00055	
MW-7	05/28/08	T22367-7	0.00053 J	<0.00023	<0.00035	<0.00055	
MW-7	08/18/08	T23538-7	<0.0005	<0.0005	<0.0005	<0.001	
MW-7	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
MW-7	02/17/09	187734	<0.00100	<0.00100	<0.00100	<0.00100	
MW-7	05/19/09	196556	<0.000133	<0.000281	<0.000535	<0.000960	
MW-7	08/26/09	208331	<0.000149	<0.000188	<0.000178	<0.000163	
MW-7	11/18/09	215419	<0.000160	<0.000332	<0.000230	<0.000143	
MW-7	02/11/10	222487	<0.000371	<0.0004	<0.00043	<0.000379	
MW-7	05/12/10	1005475-07	<0.001	<0.001	<0.001	<0.003	
MW-7	08/26/10	1008909-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/18/10	1011749-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/23/11	1102701-10	<0.001	<0.001	<0.001	<0.003	
MW-7	06/01/11	1106050-07	<0.001	<0.001	<0.001	<0.003	
MW-7	08/30/11	11081008-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/28/11	1111901-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/22/12	1202864-07	<0.001	<0.001	<0.001	<0.003	
MW-7	05/22/12	12051078-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/11/12	1209475-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/26/12	1211904-07	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-7	02/27/13	L622455-07	<0.001	<0.005	<0.001	<0.003	
MW-7	06/11/13	L641163-07	<0.001	<0.005	<0.001	<0.003	
MW-7	09/10/13	L656835-07	<0.001	<0.005	<0.001	<0.003	
MW-7	11/07/13	L667856-07	<0.001	<0.005	<0.001	<0.003	
MW-7	03/05/14	L686955-07	<0.001	<0.005	<0.001	<0.003	
MW-7	06/03/14	L703477-07	<0.001	<0.005	<0.001	<0.003	
MW-7	09/17/14	L722791-07	0.0012	<0.005	<0.001	<0.003	
MW-7	11/12/14	L733897-07	<0.001	<0.005	<0.001	<0.003	
MW-7	02/25/15	L750722-07	<0.001	<0.005	<0.001	<0.003	
MW-7	06/16/15	L772255-07	<0.001	<0.005	<0.001	<0.003	
MW-7	08/26/15	L785959-07	<0.001	<0.005	<0.001	<0.003	
MW-7	11/17/15	L802523-07	<0.001	<0.005	<0.001	<0.003	
MW-7	03/08/16	L822589-07	<0.001	<0.005	<0.001	<0.003	
MW-7	05/17/16	L836879-07	<0.001	<0.005	<0.001	<0.003	
MW-7	09/19/16	L860929-07	<0.001	<0.005	<0.001	<0.003	
MW-7	12/14/16	L879216-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/28/17	L893439-07	<0.001	<0.001	<0.001	<0.003	
MW-7	05/08/17	L908717-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/15/17	L936891-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/29/17	L954383-07	<0.001	<0.001	<0.001	<0.003	
MW-7	03/07/18	L976397-07	<0.001	<0.001	<0.001	<0.003	
MW-7	06/12/18	L1001691-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/05/18	L1023536-07	<0.001	<0.001	<0.001	<0.003	
MW-7	11/28/18	L1048614-07	<0.001	<0.001	<0.001	<0.003	
MW-7	02/12/19	L1069996-07	<0.001	<0.001	<0.001	<0.003	
MW-7	05/08/19	L1097774-07	<0.001	0.00461	<0.001	<0.003	
MW-7	08/22/19	L1132369-07	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
MW-7	11/06/19	L1158995-07	<0.001	<0.001	<0.001	<0.003	
MW-7	03/18/20	L1201828-07	<0.001	<0.001	<0.001	<0.003	
MW-7	06/17/20	L1231256-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/16/20	L1263780-07	<0.001	<0.001	<0.001	<0.003	
MW-7	12/23/20	L1300493-07	<0.001	<0.001	<0.001	<0.003	
MW-7	03/25/21	L1331415-05	<0.001	<0.001	<0.001	<0.003	
MW-7	06/17/21	L1369543-07	<0.001	<0.001	<0.001	<0.003	
MW-7	09/16/21	L1405764-05	<0.001	<0.001	<0.001	<0.003	
MW-7	12/16/21	L1444115-07	<0.001	<0.001	<0.001	<0.003	
RW-1	06/01/11	1106050-08	**0.066**	0.016	0.057	0.18	
RW-1	05/22/12	12051078-08	**0.11**	0.066	0.077	0.36	
RW-1	06/11/13	L641163-08	**0.015**	0.0045 J	0.068	0.2	
RW-1	06/03/14	L703477-08	**0.19**	0.024	0.16	0.43	
RW-1	06/16/15	L772255-08	**0.15**	0.0085 J	0.12	0.31	
RW-1	05/17/16	L836879-08	**0.0606**	0.00105 J	0.0335	0.0968	
RW-1	05/09/17	L908717-08	**0.018**	0.00107	0.0313	0.0808	
RW-1	06/12/18	L1001691-08	**0.0288**	<0.001	0.119	0.395	
RW-1	05/08/19	L1097774-08	**0.0110**	<0.005	0.109	0.162	
RW-1	11/06/19	L1158995-08	<0.005	<0.005	0.0245	0.0928	
RW-1	03/18/20	L1201828-08	0.00355	0.00100	0.0275	0.0522	
RW-1	06/17/20	L1231256-08	0.00794	<0.001	0.0515	0.0847	
RW-1	09/16/20	L1263780-08	0.00145	<0.001	0.0231	0.0289	
RW-1	12/23/20	L1300493-08	0.00113	<0.001	0.00399	0.00512	
RW-1	03/25/21	L1331415-06	0.00296	<0.001	0.0214	0.0256	
RW-1	06/17/21	L1369543-08	0.00714	<0.001	0.0322	0.0320	
RW-1	09/16/21	L1405764-06	0.00577	0.00270	0.0121	0.0178	
RW-1	12/16/21	L1444115-08	0.00454	<0.001	0.0149	0.0158	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-2	06/01/11	1106050-09	**0.034**	0.038	0.051	0.14	
RW-2	05/22/12	12051078-09	**0.19**	0.2	0.18	0.49	
RW-2	06/11/13	L641163-09	**0.028**	0.04	0.063	0.18	
RW-2	06/03/14	L703477-09	**0.03**	0.04	0.063	0.16	
RW-2	06/16/15	L772255-09	0.0055	0.0067 J	0.0078	0.017	
RW-2	05/17/16	L836879-09	**0.0176**	0.0151	0.029	0.0695	
RW-2	05/09/17	L908717-09	**0.0829**	0.135	0.331	0.562	
RW-2	06/13/18	L1001691-09	0.00586	0.00719	0.0164	0.0424	
RW-2	05/08/19	L1097774-09	**0.0438**	0.0380	0.174	0.441	
RW-2	06/17/20	L1231256-09	0.00404	0.0041	0.0158	0.0641	
RW-2	06/17/21	L1369543-09	**0.0410**	0.00201	0.0205	0.00490	
RW-3	06/01/11	110650-10	**0.21**	0.2	0.18	0.39	
RW-3	05/22/12	12051078-10	**0.31**	0.66	0.56	**1.1**	
RW-3	06/11/13	L641163-10	**0.016**	0.078	0.14	0.32	
RW-3	06/03/14	L703477-10	**0.026**	0.015 J	0.11	0.31	
RW-3	06/16/15	L772255-10	**0.019**	0.0046 J	0.09	0.37	
RW-3	05/17/16	L836879-10	**0.0142**	0.0163	0.0375	0.0965	
RW-3	05/09/17	L908717-10	**0.0196**	0.00222	0.0897	0.16	
RW-3	06/12/18	L1001691-10	**0.0505**	0.00191	0.476	**0.763**	
RW-3	05/08/19	L1097774-10	<0.005	0.00685	0.142	0.373	
RW-3	06/17/20	L1231256-10	<0.001	<0.001	0.00789	0.0179	
RW-3	09/16/20	L1263780-09	<0.001	<0.001	0.0137	0.0317	
RW-3	03/25/21	L1331415-07	0.00178	<0.001	0.00930	0.0163	
RW-3	06/18/21	L1369543-10	<0.001	<0.001	0.00449	0.00619	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-4	12/06/06	T15618-8	0.00099 J	0.00035 J	<0.00033	<0.00036	
RW-4	02/28/07	T16494-8	<0.00035	<0.00020	<0.00033	<0.00036	
RW-4	05/30/07	T17645-8	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	09/06/07	T18811-8	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	11/13/07	T19737-8	<0.001	<0.001	<0.001	<0.003	
RW-4	02/26/08	T21028-8	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	05/28/08	T22367-11	<0.00021	<0.00023	<0.00035	<0.00055	
RW-4	08/18/08	T23538-8	<0.0005	<0.0005	<0.0005	<0.001	
RW-4	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
RW-4	02/17/09	187735	<0.00100	<0.00100	<0.00100	<0.00100	
RW-4	05/19/09	196560	<0.000133	<0.000281	<0.000535	<0.000960	
RW-4	08/26/09	208332	<0.000149	<0.000188	<0.000178	<0.000163	
RW-4	11/18/09	215420	<0.000160	<0.000332	<0.000230	<0.000143	
RW-4	02/11/10	222488	<0.000371	<0.0004	<0.00043	<0.000379	
RW-4	05/12/10	1005475-11	<0.001	<0.001	<0.001	<0.003	
RW-4	08/26/10	1008909-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/18/10	1011749-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/23/11	1102701-01	<0.001	<0.001	<0.001	<0.003	
RW-4	06/01/11	1106050-11	<0.001	<0.001	<0.001	<0.003	
RW-4	08/30/11	11081008-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/28/11	1111901-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/22/12	1202864-08	<0.001	<0.001	<0.001	<0.003	
RW-4	05/22/12	12051078-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/11/12	1209475-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/26/12	1211904-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/27/13	L622455-08	<0.001	<0.005	<0.001	<0.003	
RW-4	06/11/13	L641163-11	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-4	09/10/13	L656835-08	<0.001	<0.005	<0.001	<0.003	
RW-4	11/07/13	L667856-08	<0.001	<0.005	<0.001	<0.003	
RW-4	03/05/14	L686955-08	<0.001	<0.005	<0.001	<0.003	
RW-4	06/03/14	L703477-11	<0.001	<0.005	<0.001	<0.003	
RW-4	09/17/14	L722791-08	<0.001	<0.005	<0.001	<0.003	
RW-4	11/12/14	L733897-08	<0.001	<0.005	<0.001	<0.003	
RW-4	02/25/15	L750722-08	<0.001	<0.005	<0.001	<0.003	
RW-4	06/16/15	L772255-11	<0.001	<0.005	<0.001	<0.003	
RW-4	08/26/15	L785959-08	<0.001	<0.005	<0.001	<0.003	
RW-4	08/26/15	L785959-08	<0.001	<0.005	<0.001	<0.003	
RW-4	03/08/16	L822589-08	<0.001	<0.005	<0.001	<0.003	
RW-4	05/17/16	L836879-11	<0.001	<0.005	<0.001	<0.003	
RW-4	09/19/16	L860929-08	<0.001	<0.005	<0.001	<0.003	
RW-4	12/14/16	L879214-01	<0.001	<0.001	<0.001	<0.003	
RW-4	02/28/17	L893439-08	<0.001	<0.001	<0.001	<0.003	
RW-4	05/08/17	L908717-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/15/17	L936890-01	<0.001	<0.001	<0.001	<0.003	
RW-4	11/29/17	L954383-08	<0.001	<0.001	<0.001	<0.003	
RW-4	03/07/18	L976397-08	<0.001	<0.001	<0.001	<0.003	
RW-4	06/13/18	L1001691-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/05/18	L1023536-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/28/18	L1048614-08	<0.001	<0.001	<0.001	<0.003	
RW-4	02/12/19	L1069996-08	<0.001	<0.001	<0.001	<0.003	
RW-4	05/08/19	L1097774-15	<0.001	<0.001	<0.001	<0.003	
RW-4	08/22/19	L1132369-08	<0.001	<0.001	<0.001	<0.003	
RW-4	11/06/19	L1158995-09	<0.001	<0.001	<0.001	<0.003	
RW-4	03/18/20	L1201828-09	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-4	06/17/20	L1231256-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/16/20	L1263780-10	<0.001	<0.001	<0.001	<0.003	
RW-4	12/23/20	L1300493-09	<0.001	<0.001	<0.001	<0.003	
RW-4	03/25/21	L1331415-08	<0.001	<0.001	<0.001	<0.003	
RW-4	06/18/21	L1369543-11	<0.001	<0.001	<0.001	<0.003	
RW-4	09/16/21	NS	NS	NS	NS	NS	
RW-4	12/16/21	L1444115-09	<0.001	<0.001	<0.001	<0.003	
RW-5	12/06/06	T15618-9	0.0035	0.00095 J	0.00043 J	<0.00036	
RW-5	02/28/07	T16494-9	**0.0193**	0.0038	0.0015	0.0014 J	
RW-5	05/30/07	T17645-9	0.0045	0.0011	0.00066 J	0.00056 J	
RW-5	09/06/07	T18811-9	0.0012	<0.00023	<0.00035	<0.00055	
RW-5	11/13/07	T19737-9	0.0024	<0.001	<0.001	<0.003	
RW-5	02/26/08	T21028-9	<0.00021	<0.00023	<0.00035	<0.00055	
RW-5	05/28/08	T22367-12	0.00045 J	<0.00023	<0.00035	<0.00055	
RW-5	08/18/08	T23538-9	<0.0005	<0.0005	<0.0005	<0.001	
RW-5	11/19/08	8112008	0.00260	<0.00100	<0.00100	<0.00100	
RW-5	02/17/09	187736	0.0048	<0.00100	<0.00100	<0.00100	
RW-5	05/19/09	196561	0.0003 J	<0.000281	<0.000535	0.0016	
RW-5	08/26/09	208333	0.0024	<0.000281	<0.000535	<0.000960	
RW-5	11/18/09	215421	0.0008 J	<0.000332	<0.000230	<0.000143	
RW-5	02/11/10	222489	<0.000371	<0.0004	<0.00043	<0.000379	
RW-5	05/12/10	1005475-12	<0.001	<0.001	<0.001	<0.003	
RW-5	08/26/10	1008909-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/18/10	1011749-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/23/11	1102701-02	<0.001	<0.001	<0.001	<0.003	
RW-5	06/01/11	1106050-12	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-5	08/30/11	11081008-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/28/11	1111901-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/22/12	1202864-09	<0.001	<0.001	<0.001	<0.003	
RW-5	05/22/12	12051078-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/11/12	1209475-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/26/12	1211904-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/27/13	L622455-09	<0.001	<0.005	<0.001	<0.003	
RW-5	06/11/13	L641163-12	<0.001	<0.005	<0.001	<0.003	
RW-5	09/10/13	L656835-09	<0.001	<0.005	<0.001	<0.003	
RW-5	11/07/13	L667856-09	<0.001	<0.005	<0.001	<0.003	
RW-5	03/05/14	L686955-09	<0.001	<0.005	<0.001	<0.003	
RW-5	06/03/14	L703477-12	<0.001	<0.005	<0.001	<0.003	
RW-5	09/17/14	L722791-09	<0.001	<0.005	<0.001	<0.003	
RW-5	11/12/14	L733897-09	<0.001	<0.005	<0.001	<0.003	
RW-5	02/25/15	L750722-09	<0.001	<0.005	<0.001	<0.003	
RW-5	06/16/15	L772255-12	<0.001	<0.005	<0.001	<0.003	
RW-5	08/26/15	L785959-09	<0.001	<0.005	<0.001	<0.003	
RW-5	11/17/15	L802523-09	<0.001	<0.005	<0.001	<0.003	
RW-5	03/08/16	L822589-09	<0.001	<0.005	<0.001	<0.003	
RW-5	05/17/16	L836879-12	<0.001	<0.005	<0.001	<0.003	
RW-5	09/19/16	L860929-09	<0.001	<0.005	<0.001	<0.003	
RW-5	12/14/16	L879214-02	<0.001	<0.001	<0.001	<0.003	
RW-5	02/28/17	L893439-09	<0.001	<0.001	<0.001	<0.003	
RW-5	05/08/17	L908717-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/15/17	L936890-02	<0.001	<0.001	<0.001	<0.003	
RW-5	11/29/17	L954383-09	<0.001	<0.001	<0.001	<0.003	
RW-5	03/07/18	L976397-09	<0.001	<0.001	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-5	06/13/18	L1001691-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/05/18	L1023536-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/28/18	L1048614-09	<0.001	<0.001	<0.001	<0.003	
RW-5	02/12/19	L1069996-09	<0.001	<0.001	<0.001	<0.003	
RW-5	05/08/19	L1097774-11	<0.001	<0.001	<0.001	<0.003	
RW-5	08/22/19	L1132369-09	<0.001	<0.001	<0.001	<0.003	
RW-5	11/06/19	L1158995-10	<0.001	<0.001	<0.001	<0.003	
RW-5	03/18/20	L1201828-10	<0.001	<0.001	<0.001	<0.003	
RW-5	06/17/20	L1231256-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/16/20	L1263780-11	<0.001	<0.001	<0.001	<0.003	
RW-5	12/23/20	L1300493-10	<0.001	<0.001	<0.001	<0.003	
RW-5	03/25/21	NS	NS	NS	NS	NS	
RW-5	06/18/21	L1369543-12	<0.001	<0.001	<0.001	<0.003	
RW-5	09/16/21	NS	NS	NS	NS	NS	
RW-5	12/16/21	L1444115-10	<0.001	<0.001	<0.001	<0.003	
RW-6	12/06/06	T15618-10	<0.00035	<0.00020	<0.00033	<0.00036	
RW-6	02/28/07	T16494-10	<0.00035	<0.00020	<0.00033	<0.00036	
RW-6	05/30/07	T17645-10	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	09/06/07	T18811-10	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	11/13/07	T19737-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/26/08	T21028-10	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	05/28/08	T22367-13	<0.00021	<0.00023	<0.00035	<0.00055	
RW-6	08/18/08	T23538-10	<0.0005	<0.0005	<0.0005	<0.001	
RW-6	11/19/08	8112008	<0.00100	<0.00100	<0.00100	<0.00100	
RW-6	02/17/09	187737	<0.00100	<0.00100	<0.00100	<0.00100	
RW-6	05/19/09	196562	0.0008 J	<0.000281	<0.000535	<0.000960	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-6	08/26/09	208334	0.0002 J	<0.000281	<0.000535	<0.000960	
RW-6	11/18/09	215422	<0.000160	<0.000332	<0.000230	<0.000143	
RW-6	02/11/10	222490	<0.000371	<0.0004	<0.00043	<0.000379	
RW-6	05/12/10	1005475-13	<0.001	<0.001	<0.001	<0.003	
RW-6	08/26/10	1008909-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/18/10	1011749-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/23/11	1102701-03	<0.001	<0.001	<0.001	<0.003	
RW-6	06/01/11	1106050-13	<0.001	<0.001	<0.001	<0.003	
RW-6	08/30/11	11081008-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/28/11	1111901-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/22/12	1202864-10	<0.001	<0.001	<0.001	<0.003	
RW-6	05/22/12	12051078-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/11/12	1209475-09	<0.001	<0.001	<0.001	<0.003	
RW-6	11/26/12	1211904-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/27/13	L622455-10	<0.001	<0.005	<0.001	<0.003	
RW-6	06/11/13	L641163-12	<0.001	<0.005	<0.001	<0.003	
RW-6	09/10/13	L656835-10	<0.001	<0.005	<0.001	<0.003	
RW-6	11/07/13	L667856-10	<0.001	<0.005	<0.001	<0.003	
RW-6	03/05/14	L686955-10	<0.001	<0.005	<0.001	<0.003	
RW-6	06/03/14	L703477-13	<0.001	<0.005	<0.001	<0.003	
RW-6	09/17/14	L722791-10	<0.001	<0.005	<0.001	<0.003	
RW-6	11/12/14	L733897-10	<0.001	<0.005	<0.001	<0.003	
RW-6	02/25/14	L750722-11	<0.001	<0.005	<0.001	<0.003	
RW-6	06/16/15	L772255-13	<0.001	<0.005	<0.001	<0.003	
RW-6	08/26/15	L785959-10	<0.001	<0.005	<0.001	<0.003	
RW-6	11/17/15	L802523-10	<0.001	<0.005	<0.001	<0.003	
RW-6	03/08/16	L822589-10	<0.001	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-6	05/17/16	L836879-13	<0.001	<0.005	<0.001	<0.003	
RW-6	09/19/16	L860929-10	<0.001	<0.005	<0.001	<0.003	
RW-6	12/14/16	L879214-03	<0.001	<0.001	<0.001	<0.003	
RW-6	02/28/17	L893439-10	<0.001	<0.001	<0.001	<0.003	
RW-6	05/08/17	L908717-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/15/17	L936890-03	<0.001	<0.001	<0.001	<0.003	
RW-6	11/29/17	L954383-10	<0.001	<0.001	<0.001	<0.003	
RW-6	03/07/18	L976397-10	<0.001	<0.001	<0.001	<0.003	
RW-6	06/13/18	L1001691-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/05/18	L1023536-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/28/18	L1048614-10	<0.001	<0.001	<0.001	<0.003	
RW-6	02/12/19	L1069996-10	<0.001	<0.001	<0.001	<0.003	
RW-6	05/08/19	L1097774-12	<0.001	<0.001	<0.001	<0.003	
RW-6	08/22/19	L1132369-10	<0.001	<0.001	<0.001	<0.003	
RW-6	11/06/19	L1158995-11	<0.001	<0.001	<0.001	<0.003	
RW-6	03/18/20	L1158995-11	<0.001	<0.001	<0.001	<0.003	
RW-6	06/17/20	L1231256-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/16/20	L1263780-12	<0.001	<0.001	<0.001	<0.003	
RW-6	12/23/20	L1300493-11	<0.001	<0.001	<0.001	<0.003	
RW-6	03/25/21	NS	NS	NS	NS	NS	
RW-6	06/18/21	L1369543-13	<0.001	<0.001	<0.001	<0.003	
RW-6	09/16/21	NS	NS	NS	NS	NS	
RW-6	12/16/21	L1444115-11	<0.001	<0.001	<0.001	<0.003	
RW-7	11/07/13	L667856-11	<0.001	<0.005	<0.001	<0.003	
RW-7	03/05/14	L686955-11	<0.001	<0.005	<0.001	<0.003	
RW-7	06/03/14	L703477-14	0.00036 J	<0.005	<0.001	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-7	09/17/14	L722791-11	<0.001	<0.005	<0.001	<0.003	
RW-7	11/12/14	L733897-11	<0.001	<0.005	<0.001	<0.003	
RW-7	02/25/15	L750722-10	<0.001	<0.005	<0.001	<0.003	
RW-7	06/16/15	L772255-14	<0.001	<0.005	<0.001	<0.003	
RW-7	08/26/15	L785959-11	<0.001	<0.005	<0.001	<0.003	
RW-7	11/17/15	L802523-11	<0.001	<0.005	0.000568 J	<0.003	
RW-7	03/08/16	L822589-11	<0.001	<0.005	0.000563 J	<0.003	
RW-7	05/17/16	L836879-14	<0.001	<0.005	0.00052 J	<0.003	
RW-7	09/19/16	L860929-11	<0.001	<0.005	0.000447 J	<0.003	
RW-7	12/14/16	L879214-04	<0.001	<0.001	<0.001	<0.003	
RW-7	02/28/17	L893439-11	<0.001	<0.001	<0.001	<0.003	
RW-7	05/08/17	L908717-14	<0.001	<0.001	<0.001	<0.003	
RW-7	09/15/17	L936890-04	<0.001	<0.001	<0.001	<0.003	
RW-7	11/29/17	L954383-11	<0.001	<0.001	<0.001	<0.003	
RW-7	03/07/18	L976397-11	<0.001	<0.001	<0.001	<0.003	
RW-7	06/13/18	L1001691-14	<0.001	<0.001	<0.001	<0.003	
RW-7	09/05/18	L1023536-11	<0.001	<0.001	0.00381	<0.003	
RW-7	11/28/18	L1048614-11	<0.001	<0.001	<0.001	<0.003	
RW-7	02/12/19	L1069996-11	0.00105	<0.001	0.00771	<0.003	
RW-7	05/08/19	L1097774-13	<0.001	<0.001	0.00363	<0.003	
RW-7	08/22/19	L1132369-11	<0.001	<0.001	0.00122	<0.003	
RW-7	11/06/19	L1158995-12	<0.001	<0.001	<0.001	<0.003	
RW-7	03/18/20	L1201828-11	<0.001	<0.001	<0.001	<0.003	
RW-7	06/17/20	L1231256-14	0.0015	<0.001	0.00556	<0.003	
RW-7	09/16/20	L1263780-13	0.0015	<0.001	<0.001	<0.003	
RW-7	12/23/20	L1300493-12	<0.001	<0.001	0.00355	<0.003	
RW-7	03/25/21	L1331415-08	0.00151	<0.001	0.00108	<0.003	

TABLE 4
Historical Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8060B				Total Dissolved Solids (mg/L)
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	
			NMOCD Remediation Criteria				
			0.01 mg/L	0.75 mg/L	0.75 mg/L	0.62 mg/L	
RW-7	06/18/21	L1369543-14	<0.001	<0.001	0.00179	<0.003	
RW-7	09/16/21	L1405764-07	0.00114	<0.001	0.00126	<0.003	
RW-7	12/16/21	L1444115-12	0.00126	<0.001	<0.001	<0.003	
RW-8	06/03/14	L703477-15	**0.61**	0.31 J	0.63	**1.3**	
RW-8	06/16/15	L772255-15	**2.6**	**1.1**	**1.1**	**2.5**	
RW-8	05/17/16	L836879-15	**0.41**	0.034 J6	0.343	0.617	
RW-8	05/08/17	L908717-15	**0.243**	0.0325	0.326	0.482	
RW-8	06/13/18	L1001691-15	**0.245**	0.027	0.529	**0.657**	
RW-8	05/08/19	L1097774-14	**0.0624**	0.00759	0.126	0.247	
RW-8	06/17/20	L1231256-15	**0.0424**	<0.001	0.115	0.258	
RW-8	06/18/21	L1369543-15	0.00498	<0.001	0.0417	0.0832	
RW-8	09/16/21	L1405764-08	**0.0265**	<0.001	0.0519	0.0913	
RW-8	12/16/21	L1444115-13	0.00562	<0.001	0.0230	0.0545	

NMOCD: New Mexico Oil Conservation Division
Exceedences of NMOCD Remediation Criteria are shown in ***bold***
[a] *Result is from Run #2*
J: Analyte detected below method detection limit (MDL) but above sample detection limit (SDL)

TABLE 5
Groundwater Analytical Results for Polycyclic Aromatic Hydrocarbons
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Monitoring Well	Sample Date	Lab Report #	Naphthalene	Acenaphthylene	Acenaphthene	Flourene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]-anthracene	Chrysene	Benzo[b]-fluoranthene	Benzo[a]-pyrene	Dibenzofuran	Dibenz[a,h]-anthracene	Benzo[g,h,i]-perylene	Benzo(k)fluoranthene	1-Methylnaphthalene	2-Methylnaphthalene	Total methylnaphthalene	TPH-GRO (C6-C10)	TPH (C10-C28)	TPH (C28-C30)
Units			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)
Other regulatory limits (Tap Water*)			***		365	243	0.91	1100	1830	1460	183	0.91	29.1	0.91	0.7**		0.091		9.1			***			
MW-1	12/7/2011	1112252-01	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NA	<0.20	<0.20	NA	NA	NA	NA	NA
MW-1	5/22/2012	12051078-01	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965	<0.0965		<0.0965	<0.0965	<0.0965	NA	NA	NA	NA	NA	NA
MW-1	5/17/2016	L836879-01	0.0394 BJ	<0.0500	<0.0500	<0.0500	<0.0500	0.00931 J	<0.0500	<0.0500	<0.0500	0.00786 BJ	<0.0500	<0.0500	<0.0500	0.0193 BJ	<0.0500	<0.0500	<0.0500	0.0126 J	0.0129 J	NA	NA	NA	NA
MW-1	5/8/2017	L908717-01	0.0713 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0442 J	<0.0500	<0.0500	<0.0500	0.0265 J	0.0215 J	NA	NA	NA	NA
MW-2	5/17/2016	L836879-02	0.0421 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00618 BJ	<0.0500	<0.0500	<0.0500	0.00393 BJ	<0.0500	<0.0500	<0.0500	0.00825 J	0.0098 J	NA	NA	NA	NA
MW-2	5/8/2017	L908717-02	0.0299 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0019 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-3	5/17/2016	L836879-03	0.0222 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00624 BJ	<0.0500	<0.0500	<0.0500	0.00424 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-3	5/8/2017	L908717-03	0.0340 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00146 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-4	5/17/2016	L836879-04	0.0316 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00598 BJ	<0.0500	<0.0500	<0.0500	0.00287 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-4	5/8/2017	L908717-04	0.0337 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00208 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-5	5/17/2016	L836879-05	0.0234 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00603 BJ	<0.0500	<0.0500	<0.0500	0.00225 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-5	5/9/2017	L908717-05	0.0241 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00148 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-6	5/17/2016	L836879-06	0.467 BJ	<0.0500	0.016 J	<0.0500	<0.0500	0.0101 J	<0.0500	<0.0500	<0.0500	0.00622 BJ	<0.0500	<0.0500	<0.0500	0.00636 BJ	<0.0500	<0.0500	<0.0500	<0.50	<0.50	NA	NA	NA	NA
MW-6	5/9/2017	L908717-06	0.035 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00223 J	<0.0500	0.0350 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-7	5/17/2016	L836879-07	0.0298 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00695 BJ	<0.0500	<0.0500	<0.0500	0.00359 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
MW-7	5/8/2017	L908717-07	0.0405 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00204 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-1	5/28/2008	T22367-8	14.1	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.3		<2.5	<1.6		13		9.01	3.28	
RW-1	5/19/2009	196557	17.6	<0.0707	<0.131	1.98	<0.0801	2.76	<0.808	<0.808	<0.0458	<0.0302	<0.0913	<0.0631	<0.0506	<0.0558	2.34	<0.0628	<0.0765	19.9	17.2	37.1	3.73	<0.876	
RW-1	5/12/2010	1005475-08	2	<0.20	<0.20	0.31	<0.20	0.39	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.39	<0.20	<0.20	2.8	2.3	5.1	6.5	4.6	<0.47
RW-1	5/22/2012	12051078-08	17.1	0.196	0.167	<0.0982	<0.0982	1.59	<0.0982	1.17	<0.0982	<0.0982	0.208	<0.0982	<0.0982		<0.0982	<0.0982	<0.0982	NA	NA	NA	NA	NA	NA
RW-1	6/11/2013	L641163-08	8.7	0.069	0.14	0.51	<0.015	0.42 J	0.046 J	<0.016	0.021	<0.012	<0.040	<0.014	<0.012	0.081	<0.040	<0.011	<0.014	8.3	6.9	NA	NA	NA	NA
RW-1	6/3/2014	L703477-08	0.018	0.00022	0.006	0.0018	<0.0500	0.0022	<0.00005	0.000049J	0.00022	0.000034	0.00011	<0.0500	<0.0500	0.0022	<0.0500	0.016 J	<0.0500	0.021	0.019	0.04	NA	NA	NA
RW-1	6/16/2015	L772255-08	0.0025	0.000034 J	0.000079 J	0.0003	<0.0500	0.00025 J	0.000034 J	<0.0500	0.018 J	0.000016 J	<0.0500	0.0034 J	<0.0500	0.00029	<0.0500	0.0033 J	<0.0500	0.0026	0.0017	0.0043	NA	NA	NA
RW-1	5/17/2016	L836879-08	2.87	0.0165 J	0.042 J	0.138	<0.0500	0.123	0.0235 J	<0.0500	0.0144 J	0.00824 BJ	<0.0500	<0.0500	<0.0500	0.187	<0.0500	<0.0500	<0.0500	1.97	0.379	2.349	NA	NA	NA
RW-1	5/9/2017	L908717-08	4.99	0.0397 J	0.0415 J	0.391	<0.0500	0.364	0.0546 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.436	<0.0500	0.00415 J	<0.0500	4.43	3.21	7.64	NA	NA	NA
RW-1	6/12/2018	L1001691-08	19.5	<0.0500	0.658	2.22	<0.0500	1.93	<0.0500	<0.0500	0.205	<0.0500	0.081	<0.0500	<0.0500	2.84	<0.0500	<0.0500	<0.0500	23.4	16.9	40.3			
RW-1	5/8/2019	L1097774-08	9.97	<0.100	0.289	0.805	<0.100	1.00	<0.100	<0.100	0.158	0.102	<0.100	<0.100	<0.100	1.20	<0.100	<0.100	<0.100	8.13	5.82	13.95			
RW-1	6/17/2020	L1231256-08	***	<0.0500	0.103	0.339	<0.0500	0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.319	<0.0500	<0.0500	<0.0500	3.71	1.25	4.96			
RW-1	6/17/2021	L1369543-08	0.724	<0.100	0.143	0.440	<0.100	0.323	<0.100	<0.200	<0.100	<0.100	<0.100	<0.0100	<0.0100	0.356	<0.0100	<0.0100	<0.0100	2.65	0.786	3.436			
RW-2	5/28/2008	T-22367-9	10	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.3		<2.5	<1.6		7.4		3.61	1.53	
RW-2	5/19/2009	196558	2.66	<0.0707	<0.131	1.17	<0.0801	1.49	<0.808	<0.808	<0.0458	<0.0302	<0.0913	<0.0631	<0.0506	<0.0558	1.05	<0.0628	<0.0765	5.64	4.16	9.8	1.77	<0.876	
RW-2	5/12/2010	1005475-09	30	<0.20	<0.20	2.5	<0.20	4.4	<0.20	<0.20	0.24	<0.20	0.68	<0.20	<0.20	<0.20	4.2	<0.20	<0.20	43	44	87	110	170	20
RW-2	5/22/2012	12051078-09	**82.5**	2.47	1.12	12.6	<0.0971	24.8	0.579	0.907	0.756	0.852	3.71	<0.0971	<0.0971	NA	<0.0971	<0.0971	<0.0971	NA	NA	NA	NA	NA	NA
RW-2	6/11/2013	L641163-09	6.7	0.07	0.12	0.39	<0.015	0.28	0.086	0.39	0.047	<0.012	<0.011	0.014	<0.012	0.66	<0.004	<0.011	<0.014	5.8	4.9	NA	NA	NA	NA
RW-2	6/3/2014	L703477-09	0.006	0.000056	0.00013	0.00044	<0.0500	0.00051	<0.0500	<0.0500	0.000026J	<0.0500	<0.0500	<0.0500	<0.0500	0.00068	<0.0500	<0.0500	<0.0500	0.0064	0.0059	0.0123	NA	NA	NA
RW-2	6/16/2015	L772255-09	0.00012 J J	<0.00005	0.000011 J	0.000018 J	<0.0500	0.000017 J	<0.0500	<0.0500	<0.0500	0.012 J J	<0.0500	0.0041 J	<0.0500	0.032 J	<0.0500	0.0046 J	<0.0500	0.00013 J	.000011 J	0.00141J	NA	NA	NA
RW-2	5/17/2016	L836879-09	2.37	0.0166 J	0.0362 J	0.119	<0.0500	0.129	0.0239 J	<0.0500	<0.0500	0.012 BJ	<0.0500	<0.0500	<0.0500	0.187	<0.0500	<0.0500	<0.0500	2.07	1.76	3.83	NA	NA	NA
RW-2	5/9/2017	L908717-09	39.9	0.201	0.203	1.88	<0.0500	1.58	0.193	<0.0500	0.0471 J	<0.0500	<0.0500	<0.0500	0.0275	**2.68**	<0.0500	0.00974 J	<0.0500	32.8	28.1	60.9	NA	NA	NA
RW-2	6/13/2018	L1001691-09	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.250	<0.250			
RW-2	6/17/2020	L1231256-09	<0.250	<0.0500	<0.0500	0.0873	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0739	<0.0500	<0.0500	<0.0500	0.322	<0.250	0.322			
RW-2	6/17/2021	L1369543-09	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.100	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.250	<0.250			
RW-3	5/28/2008	T22367-10	13.5	<1.6	<1.5	<2.1	<2.4	<1.6	<1.8	<1.6	<1.1	<1.4	<1.3	<1.5	<1.6	<1.3		<2.5	<1.6		7.8		3.81	0.292	
RW-3	5/19/2009	196559	25	<0.0707	<0.131	2.29	<0.0801	3.26	<0.808	<0.808	<0.0458	<0.0302	<0.0913	<0.0633	<0.0506	<0.0558	3.24	<0.0628	<0.0765	27.2	22.6	49.8	3.1 J	1.18 J	
RW-3	5/12/2010	1005475-10	**33**	<0.20	0.47	3.7	<0.20	6.3	0.54	<0.20	<0.20	<0.20	1	<0.20	<0.20	<0.20	4.6	<0.20	<0.20	53	53	106	120	170	26
RW-3	5/22/2012	12051078-10	**42.6**	1.26	0.874	7.16	<0.0988	20.7	1.13	0.706	0.646	<0.0988	2.01	0.153	<0.0988	NA	<0.0988	<0.0988	0.188	NA	NA	NA	NA	NA	NA
RW-3	6/11/2013	L641163-10	10	0.46	0.82	2.3	<0.015	2	0.31	0.37	0.57	0.29	0.32	<0.014	<0.012	2.9	0.12	<0.011	<0.014	13	12	NA	NA	NA	NA
RW-3	6/3/2014	L703477-10	0.015	0.00027	0.00065	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00012	<0.0500	<0.0500	0.0029	<0.0500	0.013	<0.0500	0.02	0.019	0.039	NA	NA	NA
RW-3	6/16/2015	L772255-10	0.021	0.00019	0.00047	0.0015	<0.0500	0.0014	0.00031	0.027 J	0.00016	0.00012	0.082	0.019 J	<0.0500	0.0021	<0.0500	0.013 J	0.026 J	0.019	0.014	0.033	NA	NA	NA
RW-3	5/17/2016	L836879-10	3.92	0.0443 J	0.0826	0.258	<0.0500	0.264	0.0833	<0.0500	0.0549	<0.0500	0.0153 J	<0.0500	<0.0500	0.572	<0.0500	<0.0500	<0.0500	2.88	2.42	5.3	NA	NA	NA
RW-3	5/9/2017	L908717-10	9.12	0.0869	0.241	0.817	<0.0500	0.822	0.176	<0.0500	0.0890	<0.0500	<0.0500	<0.0500	<0.0500	1.19	<0.0500	0.00611 j	<0.0500	9.22	6.63	15.85	NA	NA	NA

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TABLE 5
Groundwater Analytical Results for Polycyclic Aromatic Hydrocarbons
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Monitoring Well	Sample Date	Lab Report #	Naphthalene	Acenaphthylene	Acenaphthene	Flourene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo[a]-anthracene	Chrysene	Benzo[b]-fluoranthene	Benzo[a]-pyrene	Dibenzofuran	Dibenz[a,h]-anthracene	Benzo[g,h,i]-perylene	Benzo(k)fluoranthene	1-Methylnaphthalene	2-Methylnaphthalene	Total methylnaphthalene	TPH-GRO (C6-C10)	TPH (C10-C28)	TPH (C28-C30)
Units			(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)
Other regulatory limits (Tap Water*)			***		365	243	0.91	1100	1830	1460	183	0.91	29.1	0.91	0.7**		0.091		9.1			***			
RW-3	6/12/2018	L1001691-10	**57.9**	<0.0500	<0.0500	4.7	<0.0500	6.33	<0.0500	<0.0500	0.7510	<0.0500	0.385	<0.0500	<0.0500	6.78	<0.0500	<0.0500	<0.0500	69	54.5	123.5			
RW-3	5/8/2019	L1097774-11	15.7	<0.0500	0.261	0.935	<0.0500	0.717	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	1.59	<0.0500	<0.0500	<0.0500	12.8	9.89	22.69			
RW-3	6/17/2020	L1231256-10	1.3	<0.0500	0.0589	0.202	<0.0500	0.224	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.708	<0.0500	<0.0500	<0.0500	1.87	1.29	3.16			
RW-3	6/18/2021	L1369543-10	0.512	<0.0500	0.0630	0.229	<0.0500	0.218	<0.0500	<0.100	<0.0500	<0.0500 J4	<0.0500	<0.0500	<0.0500	0.735	<0.0500	<0.0500	<0.0500	1.06	0.567	1.627			
RW-4	5/17/2016	L836879-11	0.0234 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00645 BJ	<0.0500	<0.0500	<0.0500	0.00264 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-4	5/9/2017	L908717-11	0.0405 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00158 J	<0.0500	<0.0500	<0.0500	<0.250	0.00938 J	0.00938			
RW-5	5/17/2016	L836879-12	0.0329 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.006 BJ	<0.0500	<0.0500	<0.0500	0.00224 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-5	5/9/2017	L908717-12	0.0301 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00129 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-6	5/17/2016	L836879-13	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00585 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-6	5/9/2017	L908717-13	0.0247 J	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00107 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-7	6/3/2014	L703477-14	0.035 J	<0.0500	<0.0500	<0.0500	<0.0500	0.000035	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0000022J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-7	5/17/2016	L836879-14	0.0258 BJ	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00664 BJ	<0.0500	<0.0500	<0.0500	0.00211 BJ	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-7	5/9/2017	L908717-14	0.0222 j	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.00155 J	<0.0500	<0.0500	<0.0500	<0.250	<0.250	NA	NA	NA	NA
RW-7	6/13/2018	L1001691-14	<0.250	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.250	<0.250	<0.250			
RW-8	6/3/2014	L703477-15	0.062	0.00061	0.0016	0.005	<0.0500	0.0078	<0.0500	0.00017	0.00067	0.00085	0.00041	<0.0500	<0.0500	0.0069	<0.0500	0.000056	<0.0500	0.049	0.049	0.098	NA	NA	NA
RW-8	6/16/2015	L772255-15	0.095	0.001	0.0035	0.0095	<0.0500	0.012	0.0022	0.00038 J	0.0014	0.00097	0.00053	0.00016 J	0.00013 J	0.012	0.000048 J	0.00015 J	0.00018 J	0.1	0.1	0.2	NA	NA	NA
RW-8	5/17/2016	L836879-15	0.0261	0.148	0.292	1.21	<0.0500	1.06	0.0414 J	<0.0500	0.0185 J	0.0115 BJ	<0.0500	<0.0500	<0.0500	2.13	<0.0500	<0.0500	<0.0500	22.4	18.9	**41.3**	NA	NA	NA
RW-8	5/9/2017	L908717-15	**44.9**	0.257	0.251	2.46	<0.0500	1.82	<0.0500	0.0422 J	0.0641	<0.0500	<0.0500	<0.0500	0.0311 J	3.56	<0.0500	0.00875 J	<0.0500	44	33.4	**77.4**	NA	NA	NA
RW-8	6/13/2018	L1001691-15	**41.8**	<0.0500	0.706	2.62	<0.0500	2.02	<0.0500	<0.0500	0.141	<0.0500	0.0532	<0.0500	<0.0500	4.3	<0.0500	<0.0500	<0.0500	57.7	34	**91.7**			
RW-8	5/8/2019	L1097774-14	17.7	<0.0500	0.401	1.86	<0.0500	1.19	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	2.94	<0.0500	<0.0500	<0.0500	26.4	11.2	**37.6**			
RW-8	6/17/2020	L1231256-15	12.2	<0.0500	0.303	1.48	<0.0500	0.925	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	2.38	<0.0500	<0.0500	<0.0500	17.8	7.55	**25.35**			
RW-8	6/18/2021	L1369543-15	8.4	<0.0500	0.404	2.02	<0.0500	1.53	<0.0500	<0.100	<0.0500	<0.0500 J4	<0.0500	<0.0500	<0.0500	3.36	<0.0500	<0.0500	<0.0500	16.7	5.53	**22.23**			

NMOCD: New Mexico Oil Conservation Division
Exceedences of NMOCD Remediation Criteria are shown in ***bold***
J: Analyte detected below method detection limit (MDL but above sample detection limit (SDL)
** Values reported from run 2 as carry over was reported in run 1*
Tap Water: New Mexico Environmental Department (NMED) Tap Water Soil screening levels for residential scenarios.*
**** = NM Water Quality Standard for PAHs is 30µg/L for total naphthalenes plus monomethylnaphthalenes (total methylnaphthalenes)*
*** = NM Water Quality Standard*
[a] Estimated concentration value greater than standard range
NA: Not analyzed

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TABLE 6
2018 - 2021 PSH aand Dissolved Phase Groundwater Recovery Data
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well	Year	Maximum PSH Thickness (feet)	Minimum PSH Thickness (feet)	Average PSH Thickness (feet)	PSH Recovered (gallons)	Groundwater Recovered (gallons)	Total Fluids Recovered (gallons)
RW1	2018	0.21	0.01	0.065	0.75	469.25	470
RW1	2019	0.08	0.01	0.043	0.00	310.00	310
RW1	2020	0.04	0.03	0.037	1.00	209.00	210
RW1	2021	0	0	0.000	0.00	180.00	180
RW2	2018	0.32	0.07	0.19	10.00	449.00	459
RW2	2019	0.99	0.01	0.22	7.50	401.25	408.75
RW2	2020	0.35	0.04	0.10	7.00	213.00	220
RW2	2021	0.96	0.04	0.26	6.25	173.75	180
RW3	2018	0.34	0.01	0.17	9.75	450.25	460
RW3	2019	0.28	0.01	0.10	3.00	407.00	410
RW3	2020	0.03	0.01	0.02	0.25	219.75	220
RW3	2021	0.04	0.01	0.02	0.75	159.25	160
RW-8	2018	0.86	0.17	0.37	111.50	998.50	1110
RW-8	2019	0.78	0.01	0.15	49.75	702.50	752.25
RW-8	2020	0.17	0.01	0.06	6.75	233.25	240
RW-8	2021	3.65	0.02	0.49	15.50	259.50	275
Totals for 2018					132.00	2367.00	2499.00
Totals for 2019					60.25	1820.75	1881.00
Totals for 2020					15.00	875.00	890.00
Totals for 2021					22.50	772.50	795.00
Total					**229.75**	**5835.25**	**6065.00**

TABLE 6
2018 - 2021 PSH aand Dissolved Phase Groundwater Recovery Data
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Note: The above estimated gallons of total fluids (PSH and groundwater) include those pumped and manually bailed; these are estimates only.

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Appendix A

2021 Laboratory Reports and Chain of Custody Documentation

Released to Imaging: 8/3/2022 2:37:22 PM

ANALYTICAL REPORT

April 06, 2021

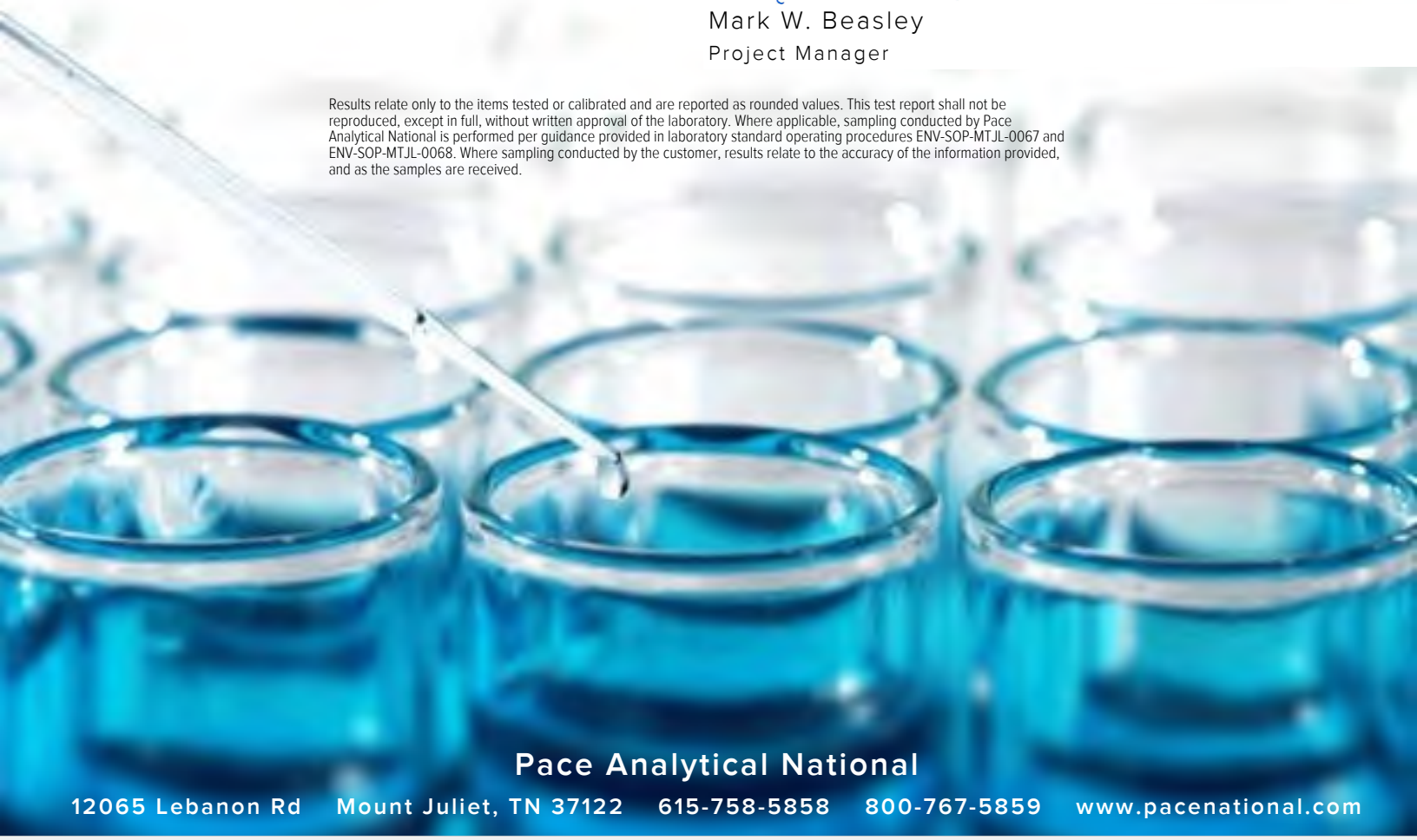
Plains All American Pipeline

Sample Delivery Group:	L1331415
Samples Received:	03/26/2021
Project Number:	PAA12015
Description:	Vac to Jal#5
Site:	SRS-2003-00134
Report To:	Kathleen Buxton 21 Waterway Ave., Suite 300 The Woodlands, TX 77380

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW 3 L1331415-01 GW

Collected by: Chris Sanchez | Collected date/time: 03/25/21 14:20 | Received date/time: 03/26/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1642741	1	03/30/21 18:25	03/30/21 18:25	BMB	Mt. Juliet, TN

MW 4 L1331415-02 GW

Collected by: Chris Sanchez | Collected date/time: 03/25/21 14:25 | Received date/time: 03/26/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1642741	1	03/30/21 18:45	03/30/21 18:45	BMB	Mt. Juliet, TN

MW 5 L1331415-03 GW

Collected by: Chris Sanchez | Collected date/time: 03/25/21 14:45 | Received date/time: 03/26/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1642741	1	03/30/21 19:05	03/30/21 19:05	BMB	Mt. Juliet, TN

MW 6 L1331415-04 GW

Collected by: Chris Sanchez | Collected date/time: 03/25/21 14:35 | Received date/time: 03/26/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1642756	1	03/30/21 15:29	03/30/21 15:29	BMB	Mt. Juliet, TN

MW 7 L1331415-05 GW

Collected by: Chris Sanchez | Collected date/time: 03/25/21 14:40 | Received date/time: 03/26/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1642756	1	03/30/21 15:49	03/30/21 15:49	BMB	Mt. Juliet, TN

RW 1 L1331415-06 GW

Collected by: Chris Sanchez | Collected date/time: 03/25/21 14:55 | Received date/time: 03/26/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1643494	1	03/31/21 17:04	03/31/21 17:04	ADM	Mt. Juliet, TN

RW 3 L1331415-07 GW

Collected by: Chris Sanchez | Collected date/time: 03/25/21 15:00 | Received date/time: 03/26/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1642756	1	03/30/21 16:29	03/30/21 16:29	BMB	Mt. Juliet, TN

RW 4 L1331415-08 GW

Collected by: Chris Sanchez | Collected date/time: 03/25/21 14:15 | Received date/time: 03/26/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1642756	1	03/30/21 16:49	03/30/21 16:49	BMB	Mt. Juliet, TN

RW 7 L1331415-09 GW

Collected by: Chris Sanchez
Collected date/time: 03/25/21 14:10
Received date/time: 03/26/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1642756	1	03/30/21 17:08	03/30/21 17:08	BMB	Mt. Juliet, TN

DUP-01 L1331415-10 GW

Collected by: Chris Sanchez
Collected date/time: 03/25/21 00:00
Received date/time: 03/26/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1642756	1	03/30/21 17:28	03/30/21 17:28	BMB	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/30/2021 18:25	WG1642741
Toluene	ND		0.00100	1	03/30/2021 18:25	WG1642741
Ethylbenzene	ND		0.00100	1	03/30/2021 18:25	WG1642741
Total Xylenes	ND		0.00300	1	03/30/2021 18:25	WG1642741
(S) Toluene-d8	*110*		*80.0-120*		*03/30/2021 18:25*	WG1642741
(S) 4-Bromofluorobenzene	*96.6*		*77.0-126*		*03/30/2021 18:25*	WG1642741
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*03/30/2021 18:25*	WG1642741

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/30/2021 18:45	WG1642741
Toluene	ND		0.00100	1	03/30/2021 18:45	WG1642741
Ethylbenzene	ND		0.00100	1	03/30/2021 18:45	WG1642741
Total Xylenes	ND		0.00300	1	03/30/2021 18:45	WG1642741
(S) Toluene-d8	*112*		*80.0-120*		*03/30/2021 18:45*	WG1642741
(S) 4-Bromofluorobenzene	*98.6*		*77.0-126*		*03/30/2021 18:45*	WG1642741
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*03/30/2021 18:45*	WG1642741

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/30/2021 19:05	WG1642741
Toluene	ND		0.00100	1	03/30/2021 19:05	WG1642741
Ethylbenzene	ND		0.00100	1	03/30/2021 19:05	WG1642741
Total Xylenes	ND		0.00300	1	03/30/2021 19:05	WG1642741
(S) Toluene-d8	*107*		*80.0-120*		*03/30/2021 19:05*	WG1642741
(S) 4-Bromofluorobenzene	*96.6*		*77.0-126*		*03/30/2021 19:05*	WG1642741
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*03/30/2021 19:05*	WG1642741

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/30/2021 15:29	WG1642756
Toluene	ND		0.00100	1	03/30/2021 15:29	WG1642756
Ethylbenzene	ND		0.00100	1	03/30/2021 15:29	WG1642756
Total Xylenes	ND		0.00300	1	03/30/2021 15:29	WG1642756
(S) Toluene-d8	*107*		*80.0-120*		*03/30/2021 15:29*	WG1642756
(S) 4-Bromofluorobenzene	*92.1*		*77.0-126*		*03/30/2021 15:29*	WG1642756
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*03/30/2021 15:29*	WG1642756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/30/2021 15:49	WG1642756
Toluene	ND		0.00100	1	03/30/2021 15:49	WG1642756
Ethylbenzene	ND		0.00100	1	03/30/2021 15:49	WG1642756
Total Xylenes	ND		0.00300	1	03/30/2021 15:49	WG1642756
(S) Toluene-d8	*107*		*80.0-120*		*03/30/2021 15:49*	WG1642756
(S) 4-Bromofluorobenzene	*96.1*		*77.0-126*		*03/30/2021 15:49*	WG1642756
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*03/30/2021 15:49*	WG1642756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00296		0.00100	1	03/31/2021 17:04	WG1643494
Toluene	ND		0.00100	1	03/31/2021 17:04	WG1643494
Ethylbenzene	0.0214		0.00100	1	03/31/2021 17:04	WG1643494
Total Xylenes	0.0256		0.00300	1	03/31/2021 17:04	WG1643494
(S) Toluene-d8	*103*		*80.0-120*		*03/31/2021 17:04*	WG1643494
(S) 4-Bromofluorobenzene	*96.3*		*77.0-126*		*03/31/2021 17:04*	WG1643494
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*03/31/2021 17:04*	WG1643494

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00178		0.00100	1	03/30/2021 16:29	WG1642756
Toluene	ND		0.00100	1	03/30/2021 16:29	WG1642756
Ethylbenzene	0.00930		0.00100	1	03/30/2021 16:29	WG1642756
Total Xylenes	0.0163		0.00300	1	03/30/2021 16:29	WG1642756
(S) Toluene-d8	*104*		*80.0-120*		*03/30/2021 16:29*	WG1642756
(S) 4-Bromofluorobenzene	*93.3*		*77.0-126*		*03/30/2021 16:29*	WG1642756
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*03/30/2021 16:29*	WG1642756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	03/30/2021 16:49	WG1642756
Toluene	ND		0.00100	1	03/30/2021 16:49	WG1642756
Ethylbenzene	ND		0.00100	1	03/30/2021 16:49	WG1642756
Total Xylenes	ND		0.00300	1	03/30/2021 16:49	WG1642756
(S) Toluene-d8	*107*		*80.0-120*		*03/30/2021 16:49*	WG1642756
(S) 4-Bromofluorobenzene	*93.6*		*77.0-126*		*03/30/2021 16:49*	WG1642756
(S) 1,2-Dichloroethane-d4	*102*		*70.0-130*		*03/30/2021 16:49*	WG1642756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00151		0.00100	1	03/30/2021 17:08	WG1642756
Toluene	ND		0.00100	1	03/30/2021 17:08	WG1642756
Ethylbenzene	0.00108		0.00100	1	03/30/2021 17:08	WG1642756
Total Xylenes	ND		0.00300	1	03/30/2021 17:08	WG1642756
(S) Toluene-d8	*107*		*80.0-120*		*03/30/2021 17:08*	WG1642756
(S) 4-Bromofluorobenzene	*95.2*		*77.0-126*		*03/30/2021 17:08*	WG1642756
(S) 1,2-Dichloroethane-d4	*104*		*70.0-130*		*03/30/2021 17:08*	WG1642756

DUP-01
Collected date/time: 03/25/21 00:00
L1331415

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00242		0.00100	1	03/30/2021 17:28	WG1642756
Toluene	ND		0.00100	1	03/30/2021 17:28	WG1642756
Ethylbenzene	0.00181		0.00100	1	03/30/2021 17:28	WG1642756
Total Xylenes	ND		0.00300	1	03/30/2021 17:28	WG1642756
(S) Toluene-d8	*103*		*80.0-120*		*03/30/2021 17:28*	WG1642756
(S) 4-Bromofluorobenzene	*95.9*		*77.0-126*		*03/30/2021 17:28*	WG1642756
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*03/30/2021 17:28*	WG1642756

Method Blank (MB)

(MB) R3637875-2 03/30/21 11:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3637875-1 03/30/21 10:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00439	87.8	70.0-123	
Ethylbenzene	0.00500	0.00472	94.4	79.0-123	
Toluene	0.00500	0.00498	99.6	79.0-120	
Xylenes, Total	0.0150	0.0138	92.0	79.0-123	
(S) Toluene-d8			*107*	*80.0-120*	
(S) 4-Bromofluorobenzene			*96.3*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*107*	*70.0-130*	

Method Blank (MB)

(MB) R3636665-3 03/30/21 12:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*110*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3636665-1 03/30/21 11:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00558	112	70.0-123	
Ethylbenzene	0.00500	0.00512	102	79.0-123	
Toluene	0.00500	0.00508	102	79.0-120	
Xylenes, Total	0.0150	0.0156	104	79.0-123	
(S) Toluene-d8			*106*	*80.0-120*	
(S) 4-Bromofluorobenzene			*98.0*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Method Blank (MB)

(MB) R3637048-2 03/31/21 09:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*111*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3637048-1 03/31/21 09:05

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00537	107	70.0-123	
Ethylbenzene	0.00500	0.00552	110	79.0-123	
Toluene	0.00500	0.00576	115	79.0-120	
Xylenes, Total	0.0150	0.0159	106	79.0-123	
(S) Toluene-d8			*104*	*80.0-120*	
(S) 4-Bromofluorobenzene			*101*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Plains All American Pipeline - Entech
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing Information:
Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Kathleen Buxton

Email To: kathleen.buxton@entechservice.com, cjbryant@paalp.com

Project Description: Vac to Jal#5

City/State Collected: EUNICE NM

Phone: 979-997-2338
Fax:

Client Project #: PAA12015

Lab Project #: PLAINSENT-VAC5

L# 1331415

G163

Collected by (print): CHRIS SANCHEZ

Site/Facility ID #: SRS - 2003-00134

P.O. #

Acctnum: PLAINSENT
Template: T94130
Prelogin: P707766
TSR: 134 - Mark W. Beasley
PB:

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	[redacted]	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW3		GW		3-25-21	1420	2		X		01
MW4		GW		↑	1425	↓		↑		02
MW5		GW			1445					03
MW6		GW			1435					04
MW7		GW			1440					05
RW1		GW			1455					06
RW3		GW			1500					07
RW4		GW			1415					08
RW7		GW		↓	1410			↓		09
DUP-01		GW		3-25-21	—	↓		X		10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ________

Remarks: 3/26

pH ______ Temp ______
Flow ______ Other ______

Samples returned via:
__ UPS __ FedEx __ Courier ______

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP _Y _N
COC Signed/Accurate: _Y _N
Bottles arrive intact: _Y _N
Correct bottles used: _Y _N
Sufficient volume sent: _Y _N
If Applicable
VOA Zero Headspace: ✓Y _N
Preservation Correct/Checked: _Y _N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)		
[signature]	3-25-21	1400	[signature]	Trip Blank Received: Yes / No (circled) HCL / MeOH TBR	
Relinquished by: (Signature) [signature]	Date: 3-25-21	Time: 1630	Received by: (Signature) [signature]	Temp: MOT °C 2.8+.2=3.0	Bottles Received: 20	If preservation required by Login: Date/Time
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 3/26/21	Time: 0800

Hold:

Condition: NCF / OK

Pace Analytical®

ANALYTICAL REPORT

July 01, 2021

Plains All American Pipeline

Sample Delivery Group:	L1369543
Samples Received:	06/22/2021
Project Number:	PAA12015
Description:	Vac to Jal#5
Site:	SRS - 2003-00134
Report To:	Kathleen Buxton 21 Waterway Ave., Suite 300 The Woodlands, TX 77380

Entire Report Reviewed By:

Olivia Studebaker
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MW-1 L1369543-01 GW

Collected by: CS/GF | Collected date/time: 06/17/21 14:00 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695717	1	06/27/21 00:50	06/27/21 00:50	DWR	Mt. Juliet, TN

MW-2 L1369543-02 GW

Collected by: CS/GF | Collected date/time: 06/18/21 10:45 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695717	1	06/27/21 01:09	06/27/21 01:09	DWR	Mt. Juliet, TN

MW-3 L1369543-03 GW

Collected by: CS/GF | Collected date/time: 06/18/21 10:35 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695717	1	06/27/21 01:28	06/27/21 01:28	DWR	Mt. Juliet, TN

MW-4 L1369543-04 GW

Collected by: CS/GF | Collected date/time: 06/17/21 12:00 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695731	1	06/26/21 13:24	06/26/21 13:24	DWR	Mt. Juliet, TN

MW-5 L1369543-05 GW

Collected by: CS/GF | Collected date/time: 06/18/21 10:00 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695731	1	06/26/21 13:43	06/26/21 13:43	DWR	Mt. Juliet, TN

MW-6 L1369543-06 GW

Collected by: CS/GF | Collected date/time: 06/18/21 10:40 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695731	1	06/26/21 14:02	06/26/21 14:02	DWR	Mt. Juliet, TN

MW-7 L1369543-07 GW

Collected by: CS/GF | Collected date/time: 06/17/21 12:50 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695731	1	06/26/21 14:21	06/26/21 14:21	DWR	Mt. Juliet, TN

RW-1 L1369543-08 GW

Collected by: CS/GF | Collected date/time: 06/17/21 15:00 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695731	1	06/26/21 14:40	06/26/21 14:40	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1693418	2	06/23/21 00:39	06/23/21 12:57	LEA	Mt. Juliet, TN

RW-2 L1369543-09 GW

Collected by: CS/GF | Collected date/time: 06/17/21 16:05 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695731	1	06/26/21 14:59	06/26/21 14:59	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1693418	1	06/23/21 00:39	06/23/21 11:13	LEA	Mt. Juliet, TN

RW-3 L1369543-10 GW

Collected by: CS/GF | Collected date/time: 06/18/21 10:30 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695731	1	06/26/21 15:18	06/26/21 15:18	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1693864	1	06/23/21 23:43	06/24/21 12:38	LEA	Mt. Juliet, TN

RW-4 L1369543-11 GW

Collected by: CS/GF | Collected date/time: 06/18/21 10:15 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695731	1	06/26/21 15:37	06/26/21 15:37	DWR	Mt. Juliet, TN

RW-5 L1369543-12 GW

Collected by: CS/GF | Collected date/time: 06/18/21 10:10 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695731	1	06/26/21 15:56	06/26/21 15:56	DWR	Mt. Juliet, TN

RW-6 L1369543-13 GW

Collected by: CS/GF | Collected date/time: 06/18/21 10:05 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695731	1	06/26/21 16:15	06/26/21 16:15	DWR	Mt. Juliet, TN

RW-7 L1369543-14 GW

Collected by: CS/GF | Collected date/time: 06/18/21 10:20 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695731	1	06/26/21 16:34	06/26/21 16:34	DWR	Mt. Juliet, TN

RW-8 L1369543-15 GW

Collected by: CS/GF | Collected date/time: 06/18/21 10:25 | Received date/time: 06/22/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1695731	1	06/26/21 16:53	06/26/21 16:53	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1693864	1	06/23/21 23:43	06/24/21 12:55	LEA	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Olivia Studebaker
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/27/2021 00:50	WG1695717
Toluene	ND		0.00100	1	06/27/2021 00:50	WG1695717
Ethylbenzene	ND		0.00100	1	06/27/2021 00:50	WG1695717
Total Xylenes	ND		0.00300	1	06/27/2021 00:50	WG1695717
(S) Toluene-d8	*106*		*80.0-120*		*06/27/2021 00:50*	WG1695717
(S) 4-Bromofluorobenzene	*87.1*		*77.0-126*		*06/27/2021 00:50*	WG1695717
(S) 1,2-Dichloroethane-d4	*138*	J1	*70.0-130*		*06/27/2021 00:50*	WG1695717

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/27/2021 01:09	WG1695717
Toluene	ND		0.00100	1	06/27/2021 01:09	WG1695717
Ethylbenzene	ND		0.00100	1	06/27/2021 01:09	WG1695717
Total Xylenes	ND		0.00300	1	06/27/2021 01:09	WG1695717
(S) Toluene-d8	*106*		*80.0-120*		*06/27/2021 01:09*	WG1695717
(S) 4-Bromofluorobenzene	*85.9*		*77.0-126*		*06/27/2021 01:09*	WG1695717
(S) 1,2-Dichloroethane-d4	*137*	J1	*70.0-130*		*06/27/2021 01:09*	WG1695717

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/27/2021 01:28	WG1695717
Toluene	ND		0.00100	1	06/27/2021 01:28	WG1695717
Ethylbenzene	ND		0.00100	1	06/27/2021 01:28	WG1695717
Total Xylenes	ND		0.00300	1	06/27/2021 01:28	WG1695717
(S) Toluene-d8	*107*		*80.0-120*		*06/27/2021 01:28*	WG1695717
(S) 4-Bromofluorobenzene	*86.5*		*77.0-126*		*06/27/2021 01:28*	WG1695717
(S) 1,2-Dichloroethane-d4	*135*	J1	*70.0-130*		*06/27/2021 01:28*	WG1695717

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/26/2021 13:24	WG1695731
Toluene	ND		0.00100	1	06/26/2021 13:24	WG1695731
Ethylbenzene	ND		0.00100	1	06/26/2021 13:24	WG1695731
Total Xylenes	ND		0.00300	1	06/26/2021 13:24	WG1695731
(S) Toluene-d8	*102*		*80.0-120*		*06/26/2021 13:24*	WG1695731
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*06/26/2021 13:24*	WG1695731
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*06/26/2021 13:24*	WG1695731

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/26/2021 13:43	WG1695731
Toluene	ND		0.00100	1	06/26/2021 13:43	WG1695731
Ethylbenzene	ND		0.00100	1	06/26/2021 13:43	WG1695731
Total Xylenes	ND		0.00300	1	06/26/2021 13:43	WG1695731
(S) Toluene-d8	*102*		*80.0-120*		*06/26/2021 13:43*	WG1695731
(S) 4-Bromofluorobenzene	*98.2*		*77.0-126*		*06/26/2021 13:43*	WG1695731
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*06/26/2021 13:43*	WG1695731

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/26/2021 14:02	WG1695731
Toluene	ND		0.00100	1	06/26/2021 14:02	WG1695731
Ethylbenzene	ND		0.00100	1	06/26/2021 14:02	WG1695731
Total Xylenes	ND		0.00300	1	06/26/2021 14:02	WG1695731
(S) Toluene-d8	*103*		*80.0-120*		*06/26/2021 14:02*	WG1695731
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*06/26/2021 14:02*	WG1695731
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*06/26/2021 14:02*	WG1695731

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/26/2021 14:21	WG1695731
Toluene	ND		0.00100	1	06/26/2021 14:21	WG1695731
Ethylbenzene	ND		0.00100	1	06/26/2021 14:21	WG1695731
Total Xylenes	ND		0.00300	1	06/26/2021 14:21	WG1695731
(S) Toluene-d8	*102*		*80.0-120*		*06/26/2021 14:21*	WG1695731
(S) 4-Bromofluorobenzene	*98.5*		*77.0-126*		*06/26/2021 14:21*	WG1695731
(S) 1,2-Dichloroethane-d4	*111*		*70.0-130*		*06/26/2021 14:21*	WG1695731

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00714		0.00100	1	06/26/2021 14:40	WG1695731
Toluene	ND		0.00100	1	06/26/2021 14:40	WG1695731
Ethylbenzene	0.0322		0.00100	1	06/26/2021 14:40	WG1695731
Total Xylenes	0.0320		0.00300	1	06/26/2021 14:40	WG1695731
(S) Toluene-d8	*100*		*80.0-120*		*06/26/2021 14:40*	WG1695731
(S) 4-Bromofluorobenzene	*98.4*		*77.0-126*		*06/26/2021 14:40*	WG1695731
(S) 1,2-Dichloroethane-d4	*116*		*70.0-130*		*06/26/2021 14:40*	WG1695731

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	ND		0.000100	2	06/23/2021 12:57	WG1693418
Acenaphthene	0.000143		0.000100	2	06/23/2021 12:57	WG1693418
Acenaphthylene	ND		0.000100	2	06/23/2021 12:57	WG1693418
Benzo(a)anthracene	ND		0.000100	2	06/23/2021 12:57	WG1693418
Benzo(a)pyrene	ND		0.000100	2	06/23/2021 12:57	WG1693418
Benzo(b)fluoranthene	ND		0.000100	2	06/23/2021 12:57	WG1693418
Benzo(g,h,i)perylene	ND		0.000100	2	06/23/2021 12:57	WG1693418
Benzo(k)fluoranthene	ND		0.000100	2	06/23/2021 12:57	WG1693418
Chrysene	ND		0.000100	2	06/23/2021 12:57	WG1693418
Dibenz(a,h)anthracene	ND		0.000100	2	06/23/2021 12:57	WG1693418
Dibenzofuran	0.000356		0.000100	2	06/23/2021 12:57	WG1693418
Fluoranthene	ND		0.000200	2	06/23/2021 12:57	WG1693418
Fluorene	0.000440		0.000100	2	06/23/2021 12:57	WG1693418
Indeno(1,2,3-cd)pyrene	ND		0.000100	2	06/23/2021 12:57	WG1693418
Naphthalene	0.000724		0.000500	2	06/23/2021 12:57	WG1693418
Phenanthrene	0.000323		0.000100	2	06/23/2021 12:57	WG1693418
Pyrene	ND		0.000100	2	06/23/2021 12:57	WG1693418
1-Methylnaphthalene	0.00265		0.000500	2	06/23/2021 12:57	WG1693418
2-Methylnaphthalene	0.000786		0.000500	2	06/23/2021 12:57	WG1693418
2-Chloronaphthalene	ND		0.000500	2	06/23/2021 12:57	WG1693418
(S) Nitrobenzene-d5	*103*		*31.0-160*		*06/23/2021 12:57*	WG1693418
(S) 2-Fluorobiphenyl	*101*		*48.0-148*		*06/23/2021 12:57*	WG1693418
(S) p-Terphenyl-d14	*119*		*37.0-146*		*06/23/2021 12:57*	WG1693418

Sample Narrative:

L1369543-08 WG1693418: Dilution due to matrix.

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00410		0.00100	1	06/26/2021 14:59	WG1695731
Toluene	0.00201		0.00100	1	06/26/2021 14:59	WG1695731
Ethylbenzene	0.0205		0.00100	1	06/26/2021 14:59	WG1695731
Total Xylenes	0.0490		0.00300	1	06/26/2021 14:59	WG1695731
(S) Toluene-d8	*102*		*80.0-120*		*06/26/2021 14:59*	WG1695731
(S) 4-Bromofluorobenzene	*98.8*		*77.0-126*		*06/26/2021 14:59*	WG1695731
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*06/26/2021 14:59*	WG1695731

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Acenaphthene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Acenaphthylene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Benzo(a)anthracene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Benzo(a)pyrene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Benzo(b)fluoranthene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Benzo(g,h,i)perylene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Benzo(k)fluoranthene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Chrysene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Dibenz(a,h)anthracene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Dibenzofuran	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Fluoranthene	ND		0.000100	1	06/23/2021 11:13	WG1693418
Fluorene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Indeno(1,2,3-cd)pyrene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Naphthalene	ND		0.000250	1	06/23/2021 11:13	WG1693418
Phenanthrene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
Pyrene	ND		0.0000500	1	06/23/2021 11:13	WG1693418
1-Methylnaphthalene	ND		0.000250	1	06/23/2021 11:13	WG1693418
2-Methylnaphthalene	ND		0.000250	1	06/23/2021 11:13	WG1693418
2-Chloronaphthalene	ND		0.000250	1	06/23/2021 11:13	WG1693418
(S) Nitrobenzene-d5	*104*		*31.0-160*		*06/23/2021 11:13*	WG1693418
(S) 2-Fluorobiphenyl	*105*		*48.0-148*		*06/23/2021 11:13*	WG1693418
(S) p-Terphenyl-d14	*123*		*37.0-146*		*06/23/2021 11:13*	WG1693418

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/26/2021 15:18	WG1695731
Toluene	ND		0.00100	1	06/26/2021 15:18	WG1695731
Ethylbenzene	0.00449		0.00100	1	06/26/2021 15:18	WG1695731
Total Xylenes	0.00619		0.00300	1	06/26/2021 15:18	WG1695731
(S) Toluene-d8	*99.8*		*80.0-120*		*06/26/2021 15:18*	WG1695731
(S) 4-Bromofluorobenzene	*99.1*		*77.0-126*		*06/26/2021 15:18*	WG1695731
(S) 1,2-Dichloroethane-d4	*114*		*70.0-130*		*06/26/2021 15:18*	WG1695731

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0000500	1	06/24/2021 12:38	WG1693864
Acenaphthene	0.0000630		0.0000500	1	06/24/2021 12:38	WG1693864
Acenaphthylene	ND		0.0000500	1	06/24/2021 12:38	WG1693864
Benzo(a)anthracene	ND	J4	0.0000500	1	06/24/2021 12:38	WG1693864
Benzo(a)pyrene	ND		0.0000500	1	06/24/2021 12:38	WG1693864
Benzo(b)fluoranthene	ND		0.0000500	1	06/24/2021 12:38	WG1693864
Benzo(g,h,i)perylene	ND		0.0000500	1	06/24/2021 12:38	WG1693864
Benzo(k)fluoranthene	ND		0.0000500	1	06/24/2021 12:38	WG1693864
Chrysene	ND		0.0000500	1	06/24/2021 12:38	WG1693864
Dibenz(a,h)anthracene	ND		0.0000500	1	06/24/2021 12:38	WG1693864
Dibenzofuran	0.000735		0.0000500	1	06/24/2021 12:38	WG1693864
Fluoranthene	ND		0.000100	1	06/24/2021 12:38	WG1693864
Fluorene	0.000229		0.0000500	1	06/24/2021 12:38	WG1693864
Indeno(1,2,3-cd)pyrene	ND		0.0000500	1	06/24/2021 12:38	WG1693864
Naphthalene	0.000512		0.000250	1	06/24/2021 12:38	WG1693864
Phenanthrene	0.000218		0.0000500	1	06/24/2021 12:38	WG1693864
Pyrene	ND		0.0000500	1	06/24/2021 12:38	WG1693864
1-Methylnaphthalene	0.00106		0.000250	1	06/24/2021 12:38	WG1693864
2-Methylnaphthalene	0.000567		0.000250	1	06/24/2021 12:38	WG1693864
2-Chloronaphthalene	ND		0.000250	1	06/24/2021 12:38	WG1693864
(S) Nitrobenzene-d5	*99.0*		*31.0-160*		*06/24/2021 12:38*	WG1693864
(S) 2-Fluorobiphenyl	*99.5*		*48.0-148*		*06/24/2021 12:38*	WG1693864
(S) p-Terphenyl-d14	*120*		*37.0-146*		*06/24/2021 12:38*	WG1693864

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/26/2021 15:37	WG1695731
Toluene	ND		0.00100	1	06/26/2021 15:37	WG1695731
Ethylbenzene	ND		0.00100	1	06/26/2021 15:37	WG1695731
Total Xylenes	ND		0.00300	1	06/26/2021 15:37	WG1695731
(S) Toluene-d8	*101*		*80.0-120*		*06/26/2021 15:37*	WG1695731
(S) 4-Bromofluorobenzene	*97.7*		*77.0-126*		*06/26/2021 15:37*	WG1695731
(S) 1,2-Dichloroethane-d4	*110*		*70.0-130*		*06/26/2021 15:37*	WG1695731

Received by OCD: 3/24/2022 2:51:48 PM

RW-3
Collected date/time: 06/18/21 10:10
L1369543

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/26/2021 15:56	WG1695731
Toluene	ND		0.00100	1	06/26/2021 15:56	WG1695731
Ethylbenzene	ND		0.00100	1	06/26/2021 15:56	WG1695731
Total Xylenes	ND		0.00300	1	06/26/2021 15:56	WG1695731
(S) Toluene-d8	*102*		*80.0-120*		*06/26/2021 15:56*	WG1695731
(S) 4-Bromofluorobenzene	*99.7*		*77.0-126*		*06/26/2021 15:56*	WG1695731
(S) 1,2-Dichloroethane-d4	*109*		*70.0-130*		*06/26/2021 15:56*	WG1695731

Released to Imaging: 8/3/2022 2:37:22 PM

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/26/2021 16:15	WG1695731
Toluene	ND		0.00100	1	06/26/2021 16:15	WG1695731
Ethylbenzene	ND		0.00100	1	06/26/2021 16:15	WG1695731
Total Xylenes	ND		0.00300	1	06/26/2021 16:15	WG1695731
(S) Toluene-d8	*100*		*80.0-120*		*06/26/2021 16:15*	WG1695731
(S) 4-Bromofluorobenzene	*99.8*		*77.0-126*		*06/26/2021 16:15*	WG1695731
(S) 1,2-Dichloroethane-d4	*113*		*70.0-130*		*06/26/2021 16:15*	WG1695731

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	06/26/2021 16:34	WG1695731
Toluene	ND		0.00100	1	06/26/2021 16:34	WG1695731
Ethylbenzene	0.00179		0.00100	1	06/26/2021 16:34	WG1695731
Total Xylenes	ND		0.00300	1	06/26/2021 16:34	WG1695731
(S) Toluene-d8	*102*		*80.0-120*		*06/26/2021 16:34*	WG1695731
(S) 4-Bromofluorobenzene	*99.9*		*77.0-126*		*06/26/2021 16:34*	WG1695731
(S) 1,2-Dichloroethane-d4	*112*		*70.0-130*		*06/26/2021 16:34*	WG1695731

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00498		0.00100	1	06/26/2021 16:53	WG1695731
Toluene	ND		0.00100	1	06/26/2021 16:53	WG1695731
Ethylbenzene	0.0417		0.00100	1	06/26/2021 16:53	WG1695731
Total Xylenes	0.0832		0.00300	1	06/26/2021 16:53	WG1695731
(S) Toluene-d8	*94.8*		*80.0-120*		*06/26/2021 16:53*	WG1695731
(S) 4-Bromofluorobenzene	*95.8*		*77.0-126*		*06/26/2021 16:53*	WG1695731
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*06/26/2021 16:53*	WG1695731

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0000500	1	06/24/2021 12:55	WG1693864
Acenaphthene	0.000404		0.0000500	1	06/24/2021 12:55	WG1693864
Acenaphthylene	ND		0.0000500	1	06/24/2021 12:55	WG1693864
Benzo(a)anthracene	ND	J4	0.0000500	1	06/24/2021 12:55	WG1693864
Benzo(a)pyrene	ND		0.0000500	1	06/24/2021 12:55	WG1693864
Benzo(b)fluoranthene	ND		0.0000500	1	06/24/2021 12:55	WG1693864
Benzo(g,h,i)perylene	ND		0.0000500	1	06/24/2021 12:55	WG1693864
Benzo(k)fluoranthene	ND		0.0000500	1	06/24/2021 12:55	WG1693864
Chrysene	ND		0.0000500	1	06/24/2021 12:55	WG1693864
Dibenz(a,h)anthracene	ND		0.0000500	1	06/24/2021 12:55	WG1693864
Dibenzofuran	0.00336		0.0000500	1	06/24/2021 12:55	WG1693864
Fluoranthene	ND		0.000100	1	06/24/2021 12:55	WG1693864
Fluorene	0.00202		0.0000500	1	06/24/2021 12:55	WG1693864
Indeno(1,2,3-cd)pyrene	ND		0.0000500	1	06/24/2021 12:55	WG1693864
Naphthalene	0.00840		0.000250	1	06/24/2021 12:55	WG1693864
Phenanthrene	0.00153		0.0000500	1	06/24/2021 12:55	WG1693864
Pyrene	ND		0.0000500	1	06/24/2021 12:55	WG1693864
1-Methylnaphthalene	0.0167		0.000250	1	06/24/2021 12:55	WG1693864
2-Methylnaphthalene	0.00553		0.000250	1	06/24/2021 12:55	WG1693864
2-Chloronaphthalene	ND		0.000250	1	06/24/2021 12:55	WG1693864
(S) Nitrobenzene-d5	*101*		*31.0-160*		*06/24/2021 12:55*	WG1693864
(S) 2-Fluorobiphenyl	*87.5*		*48.0-148*		*06/24/2021 12:55*	WG1693864
(S) p-Terphenyl-d14	*116*		*37.0-146*		*06/24/2021 12:55*	WG1693864

Method Blank (MB)

(MB) R3674284-3 06/26/21 19:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*105*			*80.0-120*
(S) 4-Bromofluorobenzene	*87.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3674284-1 06/26/21 18:49 • (LCSD) R3674284-2 06/26/21 19:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00468	0.00441	93.6	88.2	70.0-123			5.94	20
Ethylbenzene	0.00500	0.00422	0.00416	84.4	83.2	79.0-123			1.43	20
Toluene	0.00500	0.00472	0.00476	94.4	95.2	79.0-120			0.844	20
Xylenes, Total	0.0150	0.0129	0.0128	86.0	85.3	79.0-123			0.778	20
(S) Toluene-d8				*108*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*86.9*	*85.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*120*	*126*	*70.0-130*				

Method Blank (MB)

(MB) R3674494-2 06/26/21 10:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*102*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*112*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3674494-1 06/26/21 09:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00539	108	70.0-123	
Ethylbenzene	0.00500	0.00510	102	79.0-123	
Toluene	0.00500	0.00506	101	79.0-120	
Xylenes, Total	0.0150	0.0148	98.7	79.0-123	
(S) Toluene-d8			*102*	*80.0-120*	
(S) 4-Bromofluorobenzene			*99.4*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*112*	*70.0-130*	

Method Blank (MB)

(MB) R3671126-3 06/23/21 07:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	U		0.0000190	0.0000500
Acenaphthene	U		0.0000190	0.0000500
Acenaphthylene	U		0.0000171	0.0000500
Benzo(a)anthracene	U		0.0000203	0.0000500
Benzo(a)pyrene	U		0.0000184	0.0000500
Benzo(b)fluoranthene	U		0.0000168	0.0000500
Benzo(g,h,i)perylene	U		0.0000184	0.0000500
Benzo(k)fluoranthene	U		0.0000202	0.0000500
Chrysene	U		0.0000179	0.0000500
Dibenz(a,h)anthracene	U		0.0000160	0.0000500
Fluoranthene	U		0.0000270	0.000100
Fluorene	U		0.0000169	0.0000500
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500
Naphthalene	U		0.0000917	0.000250
Phenanthrene	U		0.0000180	0.0000500
Pyrene	U		0.0000169	0.0000500
1-Methylnaphthalene	U		0.0000687	0.000250
2-Methylnaphthalene	U		0.0000674	0.000250
2-Chloronaphthalene	U		0.0000682	0.000250
Dibenzofuran	U		0.0000191	0.0000500
(S) Nitrobenzene-d5	*99.5*			*31.0-160*
(S) 2-Fluorobiphenyl	*108*			*48.0-148*
(S) p-Terphenyl-d14	*127*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3671126-1 06/23/21 06:34 • (LCSD) R3671126-2 06/23/21 06:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibenzofuran	0.00200	0.00202	0.00198	101	99.0	67.0-134			2.00	20
Anthracene	0.00200	0.00209	0.00208	104	104	67.0-150			0.480	20
Acenaphthene	0.00200	0.00199	0.00195	99.5	97.5	65.0-138			2.03	20
Acenaphthylene	0.00200	0.00218	0.00218	109	109	66.0-140			0.000	20
Benzo(a)anthracene	0.00200	0.00217	0.00217	108	108	61.0-140			0.000	20
Benzo(a)pyrene	0.00200	0.00197	0.00194	98.5	97.0	60.0-143			1.53	20
Benzo(b)fluoranthene	0.00200	0.00193	0.00190	96.5	95.0	58.0-141			1.57	20
Benzo(g,h,i)perylene	0.00200	0.00186	0.00186	93.0	93.0	52.0-153			0.000	20
Benzo(k)fluoranthene	0.00200	0.00189	0.00190	94.5	95.0	58.0-148			0.528	20
Chrysene	0.00200	0.00202	0.00202	101	101	64.0-144			0.000	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3671126-1 06/23/21 06:34 • (LCSD) R3671126-2 06/23/21 06:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibenz(a,h)anthracene	0.00200	0.00192	0.00191	96.0	95.5	52.0-155			0.522	20
Fluoranthene	0.00200	0.00210	0.00208	105	104	69.0-153			0.957	20
Fluorene	0.00200	0.00211	0.00207	105	104	64.0-136			1.91	20
Indeno(1,2,3-cd)pyrene	0.00200	0.00200	0.00200	100	100	54.0-153			0.000	20
Naphthalene	0.00200	0.00194	0.00194	97.0	97.0	61.0-137			0.000	20
Phenanthrene	0.00200	0.00203	0.00202	102	101	62.0-137			0.494	20
Pyrene	0.00200	0.00192	0.00191	96.0	95.5	60.0-142			0.522	20
1-Methylnaphthalene	0.00200	0.00210	0.00208	105	104	66.0-142			0.957	20
2-Methylnaphthalene	0.00200	0.00205	0.00202	103	101	62.0-136			1.47	20
2-Chloronaphthalene	0.00200	0.00207	0.00203	104	102	64.0-140			1.95	20
(S) Nitrobenzene-d5				*99.5*	*97.5*	*31.0-160*				
(S) 2-Fluorobiphenyl				*105*	*103*	*48.0-148*				
(S) p-Terphenyl-d14				*120*	*120*	*37.0-146*				

Method Blank (MB)

(MB) R3671748-3 06/24/21 07:24

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	U		0.0000190	0.0000500
Acenaphthene	U		0.0000190	0.0000500
Acenaphthylene	U		0.0000171	0.0000500
Benzo(a)anthracene	U		0.0000203	0.0000500
Benzo(a)pyrene	U		0.0000184	0.0000500
Benzo(b)fluoranthene	U		0.0000168	0.0000500
Benzo(g,h,i)perylene	U		0.0000184	0.0000500
Benzo(k)fluoranthene	U		0.0000202	0.0000500
Chrysene	U		0.0000179	0.0000500
Dibenz(a,h)anthracene	U		0.0000160	0.0000500
Fluoranthene	U		0.0000270	0.000100
Fluorene	U		0.0000169	0.0000500
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500
Naphthalene	U		0.0000917	0.000250
Phenanthrene	U		0.0000180	0.0000500
Pyrene	U		0.0000169	0.0000500
1-Methylnaphthalene	U		0.0000687	0.000250
2-Methylnaphthalene	U		0.0000674	0.000250
2-Chloronaphthalene	U		0.0000682	0.000250
Dibenzofuran	U		0.0000191	0.0000500
(S) Nitrobenzene-d5	*107*			*31.0-160*
(S) 2-Fluorobiphenyl	*110*			*48.0-148*
(S) p-Terphenyl-d14	*136*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3671748-1 06/24/21 06:49 • (LCSD) R3671748-2 06/24/21 07:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibenzofuran	0.00200	0.00228	0.00248	114	124	67.0-134			8.40	20
Anthracene	0.00200	0.00246	0.00269	123	134	67.0-150			8.93	20
Acenaphthene	0.00200	0.00223	0.00241	111	120	65.0-138			7.76	20
Acenaphthylene	0.00200	0.00244	0.00266	122	133	66.0-140			8.63	20
Benzo(a)anthracene	0.00200	0.00262	0.00286	131	143	61.0-140		J4	8.76	20
Benzo(a)pyrene	0.00200	0.00246	0.00270	123	135	60.0-143			9.30	20
Benzo(b)fluoranthene	0.00200	0.00244	0.00268	122	134	58.0-141			9.37	20
Benzo(g,h,i)perylene	0.00200	0.00241	0.00266	120	133	52.0-153			9.86	20
Benzo(k)fluoranthene	0.00200	0.00242	0.00268	121	134	58.0-148			10.2	20
Chrysene	0.00200	0.00247	0.00269	123	134	64.0-144			8.53	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3671748-1 06/24/21 06:49 • (LCSD) R3671748-2 06/24/21 07:07

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Dibenz(a,h)anthracene	0.00200	0.00250	0.00277	125	138	52.0-155			10.2	20
Fluoranthene	0.00200	0.00257	0.00280	129	140	69.0-153			8.57	20
Fluorene	0.00200	0.00243	0.00264	122	132	64.0-136			8.28	20
Indeno(1,2,3-cd)pyrene	0.00200	0.00260	0.00283	130	141	54.0-153			8.47	20
Naphthalene	0.00200	0.00207	0.00222	104	111	61.0-137			6.99	20
Phenanthrene	0.00200	0.00240	0.00266	120	133	62.0-137			10.3	20
Pyrene	0.00200	0.00231	0.00252	115	126	60.0-142			8.70	20
1-Methylnaphthalene	0.00200	0.00223	0.00242	111	121	66.0-142			8.17	20
2-Methylnaphthalene	0.00200	0.00215	0.00232	107	116	62.0-136			7.61	20
2-Chloronaphthalene	0.00200	0.00221	0.00238	111	119	64.0-140			7.41	20
(S) Nitrobenzene-d5				*106*	*116*	*31.0-160*				
(S) 2-Fluorobiphenyl				*105*	*112*	*48.0-148*				
(S) p-Terphenyl-d14				*129*	*140*	*37.0-146*				

L1368754-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1368754-01 06/24/21 08:34 • (MS) R3671748-4 06/24/21 08:51 • (MSD) R3671748-5 06/24/21 09:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	ND	0.00248	0.00240	124	120	1	56.0-156			3.28	20
Acenaphthene	0.00200	ND	0.00217	0.00213	108	106	1	44.0-153			1.86	20
Acenaphthylene	0.00200	ND	0.00244	0.00240	122	120	1	53.0-150			1.65	20
Benzo(a)anthracene	0.00200	ND	0.00257	0.00254	129	127	1	47.0-151			1.17	20
Benzo(a)pyrene	0.00200	ND	0.00228	0.00224	114	112	1	45.0-146			1.77	20
Benzo(b)fluoranthene	0.00200	ND	0.00229	0.00222	115	111	1	43.0-142			3.10	20
Benzo(g,h,i)perylene	0.00200	ND	0.00219	0.00215	109	107	1	40.0-147			1.84	20
Benzo(k)fluoranthene	0.00200	ND	0.00222	0.00220	111	110	1	43.0-148			0.905	21
Chrysene	0.00200	ND	0.00237	0.00231	118	115	1	50.0-148			2.56	20
Dibenz(a,h)anthracene	0.00200	ND	0.00230	0.00226	115	113	1	37.0-151			1.75	20
Fluoranthene	0.00200	ND	0.00256	0.00249	128	124	1	56.0-157			2.77	20
Fluorene	0.00200	ND	0.00237	0.00236	118	118	1	48.0-148			0.423	20
Indeno(1,2,3-cd)pyrene	0.00200	ND	0.00231	0.00222	115	111	1	41.0-148			3.97	20
Naphthalene	0.00200	0.108	0.0903	0.100	0.000	0.000	1	10.0-160	V	V	10.2	20
Phenanthrene	0.00200	ND	0.00239	0.00234	118	116	1	47.0-147			2.11	20
Pyrene	0.00200	ND	0.00224	0.00223	112	111	1	51.0-148			0.447	20
1-Methylnaphthalene	0.00200	0.0162	0.0154	0.0171	0.000	45.0	1	21.0-160	V		10.5	20
2-Methylnaphthalene	0.00200	0.0300	0.0264	0.0292	0.000	0.000	1	31.0-160	V	V	10.1	20
2-Chloronaphthalene	0.00200	ND	0.00247	0.00242	123	121	1	52.0-148			2.04	20
Dibenzofuran	0.00200	ND	0.00220	0.00217	110	108	1	48.0-138			1.37	20

L1368754-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1368754-01 06/24/21 08:34 • (MS) R3671748-4 06/24/21 08:51 • (MSD) R3671748-5 06/24/21 09:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) Nitrobenzene-d5					*84.0*	*94.5*		*31.0-160*				
(S) 2-Fluorobiphenyl					*96.5*	*98.0*		*48.0-148*				
(S) p-Terphenyl-d14					*120*	*119*		*37.0-146*				

L1368662-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1368662-10 06/24/21 13:30 • (MS) R3671748-6 06/24/21 13:47 • (MSD) R3671748-7 06/24/21 14:05

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	0.000197	0.00259	0.00275	120	128	2	56.0-156			5.99	20
Acenaphthene	0.00200	0.000358	0.00226	0.00226	95.1	95.1	2	44.0-153			0.000	20
Acenaphthylene	0.00200	ND	0.00240	0.00239	120	119	2	53.0-150			0.418	20
Benzo(a)anthracene	0.00200	0.00159	0.00484	0.00589	163	215	2	47.0-151	J5	J5	19.6	20
Benzo(a)pyrene	0.00200	0.00181	0.00489	0.00614	154	217	2	45.0-146	J5	J3 J5	22.7	20
Benzo(b)fluoranthene	0.00200	0.00250	0.00580	0.00742	165	246	2	43.0-142	J5	J3 J5	24.5	20
Benzo(g,h,i)perylene	0.00200	0.00158	0.00432	0.00539	137	191	2	40.0-147		J3 J5	22.0	20
Benzo(k)fluoranthene	0.00200	0.000920	0.00343	0.00413	126	160	2	43.0-148		J5	18.5	21
Chrysene	0.00200	0.00134	0.00403	0.00492	134	179	2	50.0-148		J5	19.9	20
Dibenz(a,h)anthracene	0.00200	0.000323	0.00237	0.00263	102	115	2	37.0-151			10.4	20
Fluoranthene	0.00200	0.00285	0.00685	0.00885	200	300	2	56.0-157	J5	J3 J5	25.5	20
Fluorene	0.00200	0.000583	0.00250	0.00255	95.8	98.3	2	48.0-148			1.98	20
Indeno(1,2,3-cd)pyrene	0.00200	0.00181	0.00474	0.00587	146	203	2	41.0-148		J3 J5	21.3	20
Naphthalene	0.00200	0.000864	0.00272	0.00275	92.8	94.3	2	10.0-160			1.10	20
Phenanthrene	0.00200	0.00155	0.00360	0.00411	102	128	2	47.0-147			13.2	20
Pyrene	0.00200	0.00218	0.00536	0.00675	159	228	2	51.0-148	J5	J3 J5	23.0	20
1-Methylnaphthalene	0.00200	0.00800	0.00923	0.00942	61.5	71.0	2	21.0-160			2.04	20
2-Methylnaphthalene	0.00200	0.000582	0.00221	0.00226	81.4	83.9	2	31.0-160			2.24	20
2-Chloronaphthalene	0.00200	ND	0.00209	0.00207	104	104	2	52.0-148			0.962	20
Dibenzofuran	0.00200	0.000171	0.00217	0.00216	99.9	99.4	2	48.0-138			0.462	20
(S) Nitrobenzene-d5					*91.5*	*91.0*		*31.0-160*				
(S) 2-Fluorobiphenyl					*92.5*	*92.0*		*48.0-148*				
(S) p-Terphenyl-d14					*105*	*103*		*37.0-146*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing Information:
Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Pres Chk

Report to: Kathleen Buxton

Email To: kathleen.buxton@entechservice.com, cjbryant@paalp.com

Project Description: Vac to Jal#5

City/State Collected: EUNICE NM

Phone: 979-997-2338
Fax:

Client Project # PAA12015

Lab Project # PLAINSENT-VAC5

Collected by (print): C. SANCHEZ / G. FLORES

Site/Facility ID # SRS - 2003-00134

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L1645543

Table # M126

Acctnum: PLAINSENT
Template: T94130
Prelogin: P707766
TSR: 134 - Mark W. Beasley
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PAHSIMLVI 40mlAmb-NoPres-WT	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW1		GW		6-17-21	1400	2		2		-21
MW2				6-18-21	1045	↑		↑		-22
MW3				6-18-21	1035					-23
MW4				6-17-21	1200					-24
MW5				6-18-21	1000					-25
MW6				6-18-21	1040					-26
MW7				6-17-21	1250	↓		↓		-27
RW1				6-17-21	1500	4	2	2		-28
RW2				6-17-21	1605	4	2	2		-29
RW3				6-18-21	1030	4	2	2		-30

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS ~~✓~~ FedEx __ Courier __ SWA

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	6-18-21	1400		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.6 °C Bottles Received: 38
	6-18-21	1530	SWA	0.6-2-0.4
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			B. Barrios	6-22-21 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing Information:
Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Report to: Kathleen Buxton

Email To: kathleen.buxton@entechservice.com, cjbryant@paalp.com

Project Description: Vac to Jal#5

City/State Collected: Eunice NM

Phone: 979-997-2338
Fax:

Client Project # PAA12015

Lab Project # PLAINSENT-VAC5

Collected by (print): C. Sanchez / G. Flores

Site/Facility ID # SRS - 2003-00134

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L769543

Table #

Acctnum: PLAINSENT

Template: T94130

Prelogin: P707766

TSR: 134 - Mark W. Beasley

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PAHSIMLVI 40mlAmb-NoPres-WT	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
RW4		GW		6-18-21	1015	2		2		-11
RW5				6-18-21	1010	2		2		-12
RW6				6-18-21	1005	2		2		-13
RW7				6-18-21	1020	2		2		-14
RW8				6-18-21	1025	4	2	2		-15

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: SNA
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: N N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
	6-18-21	14:00		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.6 °C Bottles Received: 38
	6-21-21	15:30	SNA	0.6-0.2=0.4
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			B. Banda	6-22-21 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

ANALYTICAL REPORT

September 27, 2021

Plains All American Pipeline

Sample Delivery Group:	L1405764
Samples Received:	09/18/2021
Project Number:	PAA12015
Description:	Vac to Jal#5
Site:	SRS - 2003-00134
Report To:	Kathleen Buxton 21 Waterway Ave., Suite 300 The Woodlands, TX 77380

Entire Report Reviewed By:

Olivia Studebaker
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW3 L1405764-01 GW

Collected by: Chris Sanchez | Collected date/time: 09/16/21 11:40 | Received date/time: 09/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1744304	1	09/23/21 07:04	09/23/21 07:04	JAH	Mt. Juliet, TN

MW4 L1405764-02 GW

Collected by: Chris Sanchez | Collected date/time: 09/16/21 11:50 | Received date/time: 09/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1744304	1	09/23/21 07:24	09/23/21 07:24	JAH	Mt. Juliet, TN

MW5 L1405764-03 GW

Collected by: Chris Sanchez | Collected date/time: 09/16/21 11:30 | Received date/time: 09/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1744304	1	09/23/21 07:45	09/23/21 07:45	JAH	Mt. Juliet, TN

MW6 L1405764-04 GW

Collected by: Chris Sanchez | Collected date/time: 09/16/21 12:00 | Received date/time: 09/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1745093	1	09/23/21 10:01	09/23/21 10:01	ACG	Mt. Juliet, TN

MW7 L1405764-05 GW

Collected by: Chris Sanchez | Collected date/time: 09/16/21 12:10 | Received date/time: 09/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1745093	1	09/23/21 10:20	09/23/21 10:20	ACG	Mt. Juliet, TN

RW1 L1405764-06 GW

Collected by: Chris Sanchez | Collected date/time: 09/16/21 12:20 | Received date/time: 09/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1745093	1	09/23/21 10:39	09/23/21 10:39	ACG	Mt. Juliet, TN

RW7 L1405764-07 GW

Collected by: Chris Sanchez | Collected date/time: 09/16/21 11:20 | Received date/time: 09/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1745093	1	09/23/21 10:59	09/23/21 10:59	ACG	Mt. Juliet, TN

RW8 L1405764-08 GW

Collected by: Chris Sanchez | Collected date/time: 09/16/21 12:30 | Received date/time: 09/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1745093	1	09/23/21 11:18	09/23/21 11:18	ACG	Mt. Juliet, TN

SAMPLE SUMMARY

DUP-01 L1405764-09 GW

			Collected by	Collected date/time	Received date/time	
			Chris Sanchez	09/16/21 00:00	09/18/21 10:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1745093	1	09/23/21 11:37	09/23/21 11:37	ACG	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Olivia Studebaker
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/23/2021 07:04	WG1744304
Toluene	ND		0.00100	1	09/23/2021 07:04	WG1744304
Ethylbenzene	ND		0.00100	1	09/23/2021 07:04	WG1744304
Total Xylenes	ND		0.00300	1	09/23/2021 07:04	WG1744304
(S) Toluene-d8	*100*		*80.0-120*		*09/23/2021 07:04*	WG1744304
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*09/23/2021 07:04*	WG1744304
(S) 1,2-Dichloroethane-d4	*82.1*		*70.0-130*		*09/23/2021 07:04*	WG1744304

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/23/2021 07:24	WG1744304
Toluene	ND		0.00100	1	09/23/2021 07:24	WG1744304
Ethylbenzene	ND		0.00100	1	09/23/2021 07:24	WG1744304
Total Xylenes	ND		0.00300	1	09/23/2021 07:24	WG1744304
(S) Toluene-d8	*106*		*80.0-120*		*09/23/2021 07:24*	WG1744304
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*09/23/2021 07:24*	WG1744304
(S) 1,2-Dichloroethane-d4	*82.9*		*70.0-130*		*09/23/2021 07:24*	WG1744304

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/23/2021 07:45	WG1744304
Toluene	ND		0.00100	1	09/23/2021 07:45	WG1744304
Ethylbenzene	ND		0.00100	1	09/23/2021 07:45	WG1744304
Total Xylenes	ND		0.00300	1	09/23/2021 07:45	WG1744304
(S) Toluene-d8	*99.9*		*80.0-120*		*09/23/2021 07:45*	WG1744304
(S) 4-Bromofluorobenzene	*98.5*		*77.0-126*		*09/23/2021 07:45*	WG1744304
(S) 1,2-Dichloroethane-d4	*84.2*		*70.0-130*		*09/23/2021 07:45*	WG1744304

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/23/2021 10:01	WG1745093
Toluene	ND		0.00100	1	09/23/2021 10:01	WG1745093
Ethylbenzene	ND		0.00100	1	09/23/2021 10:01	WG1745093
Total Xylenes	ND		0.00300	1	09/23/2021 10:01	WG1745093
(S) Toluene-d8	*105*		*80.0-120*		*09/23/2021 10:01*	WG1745093
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*09/23/2021 10:01*	WG1745093
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*09/23/2021 10:01*	WG1745093

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/23/2021 10:20	WG1745093
Toluene	ND		0.00100	1	09/23/2021 10:20	WG1745093
Ethylbenzene	ND		0.00100	1	09/23/2021 10:20	WG1745093
Total Xylenes	ND		0.00300	1	09/23/2021 10:20	WG1745093
(S) Toluene-d8	*103*		*80.0-120*		*09/23/2021 10:20*	WG1745093
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*09/23/2021 10:20*	WG1745093
(S) 1,2-Dichloroethane-d4	*107*		*70.0-130*		*09/23/2021 10:20*	WG1745093

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00577		0.00100	1	09/23/2021 10:39	WG1745093
Toluene	0.00270		0.00100	1	09/23/2021 10:39	WG1745093
Ethylbenzene	0.0121		0.00100	1	09/23/2021 10:39	WG1745093
Total Xylenes	0.0178		0.00300	1	09/23/2021 10:39	WG1745093
(S) Toluene-d8	*103*		*80.0-120*		*09/23/2021 10:39*	WG1745093
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*09/23/2021 10:39*	WG1745093
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*09/23/2021 10:39*	WG1745093

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00114		0.00100	1	09/23/2021 10:59	WG1745093
Toluene	ND		0.00100	1	09/23/2021 10:59	WG1745093
Ethylbenzene	0.00126		0.00100	1	09/23/2021 10:59	WG1745093
Total Xylenes	ND		0.00300	1	09/23/2021 10:59	WG1745093
(S) Toluene-d8	*106*		*80.0-120*		*09/23/2021 10:59*	WG1745093
(S) 4-Bromofluorobenzene	*101*		*77.0-126*		*09/23/2021 10:59*	WG1745093
(S) 1,2-Dichloroethane-d4	*108*		*70.0-130*		*09/23/2021 10:59*	WG1745093

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.0265		0.00100	1	09/23/2021 11:18	WG1745093
Toluene	ND		0.00100	1	09/23/2021 11:18	WG1745093
Ethylbenzene	0.0519		0.00100	1	09/23/2021 11:18	WG1745093
Total Xylenes	0.0913		0.00300	1	09/23/2021 11:18	WG1745093
(S) Toluene-d8	*117*		*80.0-120*		*09/23/2021 11:18*	WG1745093
(S) 4-Bromofluorobenzene	*112*		*77.0-126*		*09/23/2021 11:18*	WG1745093
(S) 1,2-Dichloroethane-d4	*106*		*70.0-130*		*09/23/2021 11:18*	WG1745093

DUP-01
Collected date/time: 09/16/21 00:00
L1405764

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	09/23/2021 11:37	WG1745093
Toluene	ND		0.00100	1	09/23/2021 11:37	WG1745093
Ethylbenzene	ND		0.00100	1	09/23/2021 11:37	WG1745093
Total Xylenes	ND		0.00300	1	09/23/2021 11:37	WG1745093
(S) Toluene-d8	*104*		*80.0-120*		*09/23/2021 11:37*	WG1745093
(S) 4-Bromofluorobenzene	*105*		*77.0-126*		*09/23/2021 11:37*	WG1745093
(S) 1,2-Dichloroethane-d4	*105*		*70.0-130*		*09/23/2021 11:37*	WG1745093

Method Blank (MB)

(MB) R3708837-2 09/23/21 02:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*99.0*			*80.0-120*
(S) 4-Bromofluorobenzene	*98.8*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*87.3*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3708837-1 09/23/21 01:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00487	97.4	70.0-123	
Ethylbenzene	0.00500	0.00460	92.0	79.0-123	
Toluene	0.00500	0.00509	102	79.0-120	
Xylenes, Total	0.0150	0.0155	103	79.0-123	
(S) Toluene-d8			*103*	*80.0-120*	
(S) 4-Bromofluorobenzene			*102*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*88.3*	*70.0-130*	

Method Blank (MB)

(MB) R3708838-2 09/23/21 04:47

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3708838-1 09/23/21 04:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00410	82.0	70.0-123	
Ethylbenzene	0.00500	0.00464	92.8	79.0-123	
Toluene	0.00500	0.00445	89.0	79.0-120	
Xylenes, Total	0.0150	0.0138	92.0	79.0-123	
(S) Toluene-d8			*105*	*80.0-120*	
(S) 4-Bromofluorobenzene			*102*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*105*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing Information:
Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Pres Chk

Report to: Kathleen Buxton

Email To: kathleen.buxton@entechservice.com, cjbryant@paalp.com

Project Description: Vac to Jal#5

City/State Collected: EUNICE NM

Phone: 979-997-2338
Fax:

Client Project # PAA12015

Lab Project # PLAINSENT-VAC5

Collected by (print): CHRIS SANCHEZ

Site/Facility ID # SRS - 2003-00134

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1405764

A037

Acctnum: PLAINSENT
Template: T94130
Prelogin: P707766
TSR: 134 - Mark W. Beasley
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PAHSIMLVI 40mlAmb-NoPres-WT	V8260BTEX 40mlAmb-HCl	Remarks	Sample # (lab only)
MW3		GW		9-16-2021	1140	2		X		-01
MW4		GW			1150					-02
MW5		GW			1130					-03
MW6		GW			1200					-04
MW7		GW			1210					-05
RW1		GW			1220					-06
RW7		GW			1120					-07
RW8		GW			1230					-08
DUP-01		GW		9-16-21		2		X		-09
		GW								

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	9-17-21	1100		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 0.2 °C Bottles Received: 18
				2.4+0.2=2.6
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/18/21 Time: 1000

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Pace Analytical®

ANALYTICAL REPORT

December 28, 2021

Plains All American Pipeline

Sample Delivery Group:	L1444115
Samples Received:	12/18/2021
Project Number:	PAA12015
Description:	Vac to Jal#5
Site:	SRS - 2003-00134
Report To:	Kathleen Buxton 21 Waterway Ave., Suite 300 The Woodlands, TX 77380

Entire Report Reviewed By:

Olivia Studebaker
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

MW1 L1444115-01 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 11:30 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 01:34	12/22/21 01:34	JAH	Mt. Juliet, TN

MW2 L1444115-02 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 11:20 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 01:53	12/22/21 01:53	JAH	Mt. Juliet, TN

MW3 L1444115-03 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 10:40 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 02:12	12/22/21 02:12	JAH	Mt. Juliet, TN

MW4 L1444115-04 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 10:50 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 02:31	12/22/21 02:31	JAH	Mt. Juliet, TN

MW5 L1444115-05 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 10:00 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 02:50	12/22/21 02:50	JAH	Mt. Juliet, TN

MW6 L1444115-06 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 11:10 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 03:09	12/22/21 03:09	JAH	Mt. Juliet, TN

MW7 L1444115-07 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 11:40 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 03:28	12/22/21 03:28	JAH	Mt. Juliet, TN

RW1 L1444115-08 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 11:50 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 03:47	12/22/21 03:47	JAH	Mt. Juliet, TN

SAMPLE SUMMARY

RW4 L1444115-09 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 11:00 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 04:06	12/22/21 04:06	JAH	Mt. Juliet, TN

RW5 L1444115-10 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 10:30 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 04:26	12/22/21 04:26	JAH	Mt. Juliet, TN

RW6 L1444115-11 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 10:10 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 04:45	12/22/21 04:45	JAH	Mt. Juliet, TN

RW7 L1444115-12 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 10:20 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 05:04	12/22/21 05:04	JAH	Mt. Juliet, TN

RW8 L1444115-13 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 12:00 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 05:23	12/22/21 05:23	JAH	Mt. Juliet, TN

DUP-01 L1444115-14 GW

Collected by: Chris Sanchez | Collected date/time: 12/16/21 00:00 | Received date/time: 12/18/21 10:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1792874	1	12/22/21 05:42	12/22/21 05:42	JAH	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Olivia Studebaker
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/22/2021 01:34	WG1792874
Toluene	ND		0.00100	1	12/22/2021 01:34	WG1792874
Ethylbenzene	ND		0.00100	1	12/22/2021 01:34	WG1792874
Total Xylenes	ND		0.00300	1	12/22/2021 01:34	WG1792874
(S) Toluene-d8	*99.4*		*80.0-120*		*12/22/2021 01:34*	WG1792874
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*12/22/2021 01:34*	WG1792874
(S) 1,2-Dichloroethane-d4	*98.6*		*70.0-130*		*12/22/2021 01:34*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/22/2021 01:53	WG1792874
Toluene	ND		0.00100	1	12/22/2021 01:53	WG1792874
Ethylbenzene	ND		0.00100	1	12/22/2021 01:53	WG1792874
Total Xylenes	ND		0.00300	1	12/22/2021 01:53	WG1792874
(S) Toluene-d8	*98.4*		*80.0-120*		*12/22/2021 01:53*	WG1792874
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*12/22/2021 01:53*	WG1792874
(S) 1,2-Dichloroethane-d4	*97.9*		*70.0-130*		*12/22/2021 01:53*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/22/2021 02:12	WG1792874
Toluene	ND		0.00100	1	12/22/2021 02:12	WG1792874
Ethylbenzene	ND		0.00100	1	12/22/2021 02:12	WG1792874
Total Xylenes	ND		0.00300	1	12/22/2021 02:12	WG1792874
(S) Toluene-d8	*99.3*		*80.0-120*		*12/22/2021 02:12*	WG1792874
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*12/22/2021 02:12*	WG1792874
(S) 1,2-Dichloroethane-d4	*101*		*70.0-130*		*12/22/2021 02:12*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/22/2021 02:31	WG1792874
Toluene	ND		0.00100	1	12/22/2021 02:31	WG1792874
Ethylbenzene	ND		0.00100	1	12/22/2021 02:31	WG1792874
Total Xylenes	ND		0.00300	1	12/22/2021 02:31	WG1792874
(S) Toluene-d8	*102*		*80.0-120*		*12/22/2021 02:31*	WG1792874
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*12/22/2021 02:31*	WG1792874
(S) 1,2-Dichloroethane-d4	*99.2*		*70.0-130*		*12/22/2021 02:31*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/22/2021 02:50	WG1792874
Toluene	ND		0.00100	1	12/22/2021 02:50	WG1792874
Ethylbenzene	ND		0.00100	1	12/22/2021 02:50	WG1792874
Total Xylenes	ND		0.00300	1	12/22/2021 02:50	WG1792874
(S) Toluene-d8	*98.6*		*80.0-120*		*12/22/2021 02:50*	WG1792874
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*12/22/2021 02:50*	WG1792874
(S) 1,2-Dichloroethane-d4	*99.4*		*70.0-130*		*12/22/2021 02:50*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/22/2021 03:09	WG1792874
Toluene	ND		0.00100	1	12/22/2021 03:09	WG1792874
Ethylbenzene	ND		0.00100	1	12/22/2021 03:09	WG1792874
Total Xylenes	ND		0.00300	1	12/22/2021 03:09	WG1792874
(S) Toluene-d8	*99.4*		*80.0-120*		*12/22/2021 03:09*	WG1792874
(S) 4-Bromofluorobenzene	*107*		*77.0-126*		*12/22/2021 03:09*	WG1792874
(S) 1,2-Dichloroethane-d4	*100*		*70.0-130*		*12/22/2021 03:09*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/22/2021 03:28	WG1792874
Toluene	ND		0.00100	1	12/22/2021 03:28	WG1792874
Ethylbenzene	ND		0.00100	1	12/22/2021 03:28	WG1792874
Total Xylenes	ND		0.00300	1	12/22/2021 03:28	WG1792874
(S) Toluene-d8	*98.4*		*80.0-120*		*12/22/2021 03:28*	WG1792874
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*12/22/2021 03:28*	WG1792874
(S) 1,2-Dichloroethane-d4	*100*		*70.0-130*		*12/22/2021 03:28*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00454		0.00100	1	12/22/2021 03:47	WG1792874
Toluene	ND		0.00100	1	12/22/2021 03:47	WG1792874
Ethylbenzene	0.0149		0.00100	1	12/22/2021 03:47	WG1792874
Total Xylenes	0.0158		0.00300	1	12/22/2021 03:47	WG1792874
(S) Toluene-d8	*96.9*		*80.0-120*		*12/22/2021 03:47*	WG1792874
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*12/22/2021 03:47*	WG1792874
(S) 1,2-Dichloroethane-d4	*99.6*		*70.0-130*		*12/22/2021 03:47*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/22/2021 04:06	WG1792874
Toluene	ND		0.00100	1	12/22/2021 04:06	WG1792874
Ethylbenzene	ND		0.00100	1	12/22/2021 04:06	WG1792874
Total Xylenes	ND		0.00300	1	12/22/2021 04:06	WG1792874
(S) Toluene-d8	*100*		*80.0-120*		*12/22/2021 04:06*	WG1792874
(S) 4-Bromofluorobenzene	*103*		*77.0-126*		*12/22/2021 04:06*	WG1792874
(S) 1,2-Dichloroethane-d4	*100*		*70.0-130*		*12/22/2021 04:06*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/22/2021 04:26	WG1792874
Toluene	ND		0.00100	1	12/22/2021 04:26	WG1792874
Ethylbenzene	ND		0.00100	1	12/22/2021 04:26	WG1792874
Total Xylenes	ND		0.00300	1	12/22/2021 04:26	WG1792874
(S) Toluene-d8	*98.9*		*80.0-120*		*12/22/2021 04:26*	WG1792874
(S) 4-Bromofluorobenzene	*102*		*77.0-126*		*12/22/2021 04:26*	WG1792874
(S) 1,2-Dichloroethane-d4	*98.6*		*70.0-130*		*12/22/2021 04:26*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/22/2021 04:45	WG1792874
Toluene	ND		0.00100	1	12/22/2021 04:45	WG1792874
Ethylbenzene	ND		0.00100	1	12/22/2021 04:45	WG1792874
Total Xylenes	ND		0.00300	1	12/22/2021 04:45	WG1792874
(S) Toluene-d8	*100*		*80.0-120*		*12/22/2021 04:45*	WG1792874
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*12/22/2021 04:45*	WG1792874
(S) 1,2-Dichloroethane-d4	*99.9*		*70.0-130*		*12/22/2021 04:45*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00126		0.00100	1	12/22/2021 05:04	WG1792874
Toluene	ND		0.00100	1	12/22/2021 05:04	WG1792874
Ethylbenzene	ND		0.00100	1	12/22/2021 05:04	WG1792874
Total Xylenes	ND		0.00300	1	12/22/2021 05:04	WG1792874
(S) Toluene-d8	*98.6*		*80.0-120*		*12/22/2021 05:04*	WG1792874
(S) 4-Bromofluorobenzene	*104*		*77.0-126*		*12/22/2021 05:04*	WG1792874
(S) 1,2-Dichloroethane-d4	*99.6*		*70.0-130*		*12/22/2021 05:04*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00562		0.00100	1	12/22/2021 05:23	WG1792874
Toluene	ND		0.00100	1	12/22/2021 05:23	WG1792874
Ethylbenzene	0.0230		0.00100	1	12/22/2021 05:23	WG1792874
Total Xylenes	0.0545		0.00300	1	12/22/2021 05:23	WG1792874
(S) Toluene-d8	*97.2*		*80.0-120*		*12/22/2021 05:23*	WG1792874
(S) 4-Bromofluorobenzene	*100*		*77.0-126*		*12/22/2021 05:23*	WG1792874
(S) 1,2-Dichloroethane-d4	*98.8*		*70.0-130*		*12/22/2021 05:23*	WG1792874

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.00100	1	12/22/2021 05:42	WG1792874
Toluene	ND		0.00100	1	12/22/2021 05:42	WG1792874
Ethylbenzene	ND		0.00100	1	12/22/2021 05:42	WG1792874
Total Xylenes	ND		0.00300	1	12/22/2021 05:42	WG1792874
(S) Toluene-d8	*99.3*		*80.0-120*		*12/22/2021 05:42*	WG1792874
(S) 4-Bromofluorobenzene	*106*		*77.0-126*		*12/22/2021 05:42*	WG1792874
(S) 1,2-Dichloroethane-d4	*103*		*70.0-130*		*12/22/2021 05:42*	WG1792874

Method Blank (MB)

(MB) R3744887-2 12/21/21 23:08

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
Ethylbenzene	U		0.000137	0.00100
Toluene	U		0.000278	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*105*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3744887-1 12/21/21 22:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.00500	0.00492	98.4	70.0-123	
Ethylbenzene	0.00500	0.00411	82.2	79.0-123	
Toluene	0.00500	0.00442	88.4	79.0-120	
Xylenes, Total	0.0150	0.0132	88.0	79.0-123	
(S) Toluene-d8			*99.8*	*80.0-120*	
(S) 4-Bromofluorobenzene			*103*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*98.8*	*70.0-130*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing Information:
Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Pres Chk

Report to: Kathleen Buxton

Email To: kathleen.buxton@entechservice.com, cjbryant@paalp.com

Project Description: Vac to Jal#5

City/State Collected: EUNICE NM

Phone: 979-997-2338
Fax:

Client Project # PAA12015

Lab Project # PLAINSENT-VAC5

Collected by (print): CHRIS SANCHEZ

Site/Facility ID # SRS - 2003-00134

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PAHSIMLVI 40mlAmb-NoPres-WT	V8260BTEX 40mlAmb-HCl								Remarks	Sample # (lab only)
MW1		GW		12-16-21	1130	2		2									-01
MW2		GW			1120												-02
MW3		GW			1040												-03
MW4		GW			1050												-04
MW5		GW			1000												-05
MW6		GW			1110												-06
MW7		GW			1140												-07
RW1		GW			1150												-08
RW4		GW			1100												-09
RW5		GW		12-16-21	1030	2		2									-10

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L444115

Table # H019

Acctnum: PLAINSENT

Template: T94130

Prelogin: P707766

TSR: 134 - Mark W. Beasley

PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	12-17-21	12:00			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
	12-17-21	15:00		4.1+0=4.1 28	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
				12/18/21 10 am	

Plains All American Pipeline - Entech

21 Waterway Ave., Suite 300
The Woodlands, TX 77380

Billing Information:
Accounts Payable
333 Clay St., Ste 1600
Houston, TX 77002

Pres Chk

Report to: Kathleen Buxton

Email To: kathleen.buxton@entechservice.com, cjbryant@paalp.com

Project Description: Vac to Jal#5

City/State Collected: EUNICE NM

Phone: 979-997-2338
Fax:

Client Project # PAA12015

Lab Project # PLAINSENT-VAC5

Collected by (print): CHRIS SANCHEZ

Site/Facility ID # SRS - 2003-00134

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PAHSIMLVI 40mlAmb-NoPres-WT	V8260BTEX 40mlAmb-HCl								Remarks	Sample # (lab only)
RW6		GW		12-16-21	1010	2		2									-11
RW7				12-16-21	1020	2		2									-12
RW8				12-16-21	1200	2		2									-13
DUP-01				12-16-21	—	2		2									-14

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace Analytical® National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
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L# L444115

Table #

Acctnum: PLAINSENT
Template: T94130
Prelogin: P707766
TSR: 134 - Mark W. Beasley
PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
	12-17-21	12:00			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C	Bottles Received:
	12-17-21	15:00	SwA	4.1+0=4.1	28
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:
			T. Robin	12/18/21	10:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Received by OCD: 3/24/2022 2:51:48 PM

Appendix B

Mann-Kendall Trend Test

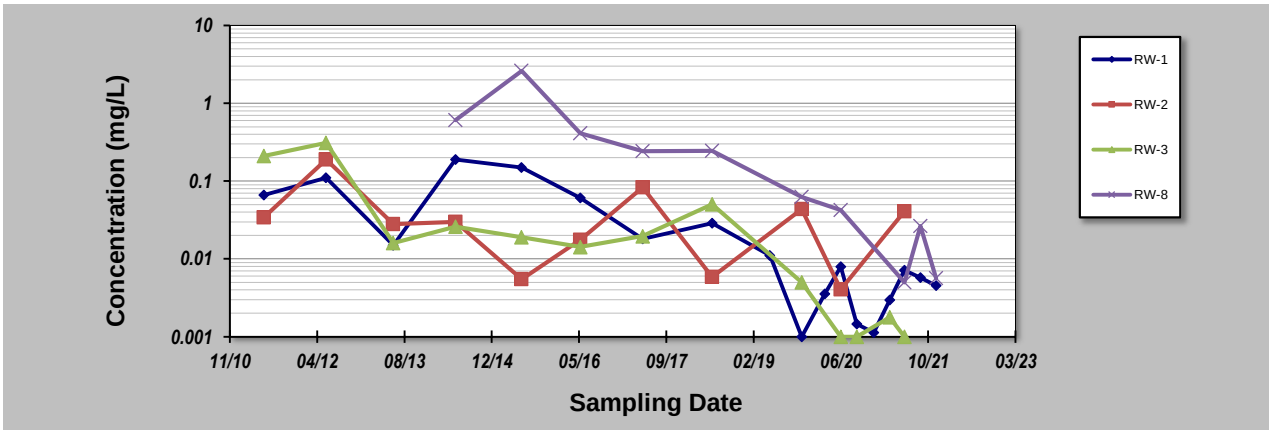
Released to Imaging: 8/3/2022 2:37:22 PM

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 21-Jan-22
Facility Name: Plains - Vac to Jal #5
Conducted By: PVS

Job ID: PAA12015
Constituent: Benzene
Concentration Units: mg/L

Sampling Point ID:	RW-1	RW-2	RW-3	RW-8			
Sampling Event	Sampling Date	BENZENE CONCENTRATION (mg/L)						
1	6/1/2011	0.0660	0.034	0.21				
2	5/22/2012	0.1100	0.19	0.3100				
3	6/11/2013	0.0150	0.028	0.0160				
4	6/3/2014	0.1900	0.03	0.0260	0.61			
5	6/16/2015	0.1500	0.0055	0.0190	2.6			
6	5/17/2016	0.0606	0.0176	0.0142	0.41			
7	5/9/2017	0.0180	0.0829	0.0196	0.243			
8	6/12/2018	0.0288	0.00586	0.0505	0.245			
9	05/08/19	**0.0110**						
10	11/06/19	***0.0010***	**0.0438**	***0.0050***	**0.0624**			
11	3/18/2020	0.00355						
12	6/17/2020	0.00794	0.00404	***0.0010***	0.0424			
13	9/16/2020	0.00145		***0.0010***				
14	12/23/2020	0.00113						
15	3/25/2021	0.00296		0.00178				
16	6/17/2021	0.00714	**0.0410**	***0.0010***	0.00498			
17	9/16/2021	0.00577			**0.0265**			
18	12/16/2021	0.00454			0.00562			
19								
20								
Coefficient of Variation:		1.49	1.22	1.84	1.86			
Mann-Kendall Statistic (S):		-85	-11	-49	-37			
Confidence Factor:		100.0%	77.7%	99.9%	>99.9%			
Concentration Trend:		Decreasing	No Trend	Decreasing	Decreasing			



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
4. Nondetectable concentrations listed as 0.0009 mg/L (i.e., <MDL) and indicated in italicized bold red values.
5. All concentrations in milligrams per liter (mg/L)

DISCLAIMER: *The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein.*

Received by OCD: 3/24/2022 2:51:48 PM

Appendix C

2006 – 2021 Historical Well Survey Data and Groundwater Elevations

Released to Imaging: 8/3/2022 2:37:22 PM

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-1	03/28/06	3361.00	64.19	ND	50.72	ND	NA	NA	NA	3310.28	Sampled
MW-1	03/29/06	3361.00	NG	ND	50.72	ND	NA	NA	NA	3310.28	
MW-1	04/13/06	3361.00	NG	ND	50.75	ND	NA	NA	NA	3310.25	
MW-1	04/25/06	3361.00	NG	ND	50.73	ND	NA	NA	NA	3310.27	
MW-1	05/03/06	3361.00	NG	ND	50.66	ND	NA	NA	NA	3310.34	
MW-1	05/11/06	3361.00	NG	ND	50.77	ND	NA	NA	NA	3310.23	
MW-1	05/24/06	3361.00	NG	ND	50.10	ND	NA	NA	NA	3310.90	
MW-1	06/07/06	3361.00	NG	ND	50.68	ND	NA	NA	NA	3310.32	
MW-1	06/15/06	3361.00	NG	ND	50.68	ND	NA	NA	NA	3310.32	
MW-1	06/29/06	3361.00	NG	ND	50.71	ND	NA	NA	NA	3310.29	
MW-1	07/11/06	3361.00	NG	ND	50.67	ND	NA	NA	NA	3310.33	
MW-1	07/25/06	3361.00	NG	ND	50.68	ND	NA	NA	NA	3310.32	
MW-1	08/09/06	3361.00	NG	ND	50.65	ND	NA	NA	NA	3310.35	
MW-1	08/22/06	3361.00	NG	ND	50.70	ND	NA	NA	NA	3310.30	
MW-1	09/12/06	3361.00	64.16	ND	50.65	ND	NA	NA	NA	3310.35	Sampled
MW-1	09/19/06	3361.00	NG	ND	50.67	ND	NA	NA	NA	3310.33	
MW-1	10/03/06	3361.00	NG	ND	50.65	ND	NA	NA	NA	3310.35	
MW-1	10/17/06	3361.00	NG	ND	50.65	ND	NA	NA	NA	3310.35	
MW-1	10/31/06	3361.00	NG	ND	50.67	ND	NA	NA	NA	3310.33	
MW-1	11/15/06	3361.00	NG	ND	50.66	ND	NA	NA	NA	3310.34	
MW-1	12/06/06	3363.04	64.10	ND	50.60	ND	NA	NA	NA	3312.44	Sampled
MW-1	12/13/06	3363.04	NG	ND	50.65	ND	NA	NA	NA	3312.39	
MW-1	12/27/06	3363.04	NG	ND	50.49	ND	NA	NA	NA	3312.55	
MW-1	01/03/07	3363.04	NG	ND	50.59	ND	NA	NA	NA	3312.45	
MW-1	01/09/07	3363.04	NG	ND	50.60	ND	NA	NA	NA	3312.44	
MW-1	01/18/07	3363.04	NG	ND	50.54	ND	NA	NA	NA	3312.50	
MW-1	01/22/07	3363.04	NG	ND	50.44	ND	NA	NA	NA	3312.60	
MW-1	02/01/07	3363.04	NG	ND	50.31	ND	NA	NA	NA	3312.73	
MW-1	02/07/07	3363.04	NG	ND	50.51	ND	NA	NA	NA	3312.53	
MW-1	02/14/07	3363.04	NG	ND	50.48	ND	NA	NA	NA	3312.56	
MW-1	02/21/07	3363.04	NG	ND	50.47	ND	NA	NA	NA	3312.57	
MW-1	02/28/07	3363.04	64.18	ND	50.38	ND	NA	NA	NA	3312.66	Sampled
MW-1	03/07/07	3363.04	NG	ND	50.46	ND	NA	NA	NA	3312.58	
MW-1	04/03/07	3363.04	NG	ND	50.43	ND	NA	NA	NA	3312.61	
MW-1	05/30/07	3363.04	64.13	ND	50.38	ND	NA	NA	NA	3312.66	Sampled
MW-1	06/06/07	3363.04	64.13	ND	50.25	ND	NA	NA	NA	3312.79	
MW-1	07/05/07	3363.04	64.19	ND	50.26	ND	NA	NA	NA	3312.78	
MW-1	07/31/07	3363.04	64.20	ND	50.31	ND	NA	NA	NA	3312.73	
MW-1	09/06/07	3363.04	64.20	ND	50.25	ND	NA	NA	NA	3312.79	Sampled
MW-1	10/10/07	3363.04	64.15	ND	50.28	ND	NA	NA	NA	3312.76	
MW-1	11/13/07	3363.04	64.18	ND	50.31	ND	NA	NA	NA	3312.73	Sampled
MW-1	12/27/07	3363.04	64.18	ND	50.28	ND	NA	NA	NA	3312.76	
MW-1	01/09/08	3363.04	64.17	ND	50.25	ND	NA	NA	NA	3312.79	
MW-1	02/06/08	3363.04	64.17	ND	50.29	ND	NA	NA	NA	3312.75	
MW-1	02/27/08	3363.04	64.18	ND	50.42	ND	NA	NA	NA	3312.62	Sampled
MW-1	04/02/08	3363.04	64.18	ND	50.28	ND	NA	NA	NA	3312.76	
MW-1	05/28/08	3363.04	64.11	ND	50.38	ND	NA	NA	NA	3312.66	Sampled
MW-1	06/18/08	3363.04	64.11	ND	50.42	ND	NA	NA	NA	3312.62	
MW-1	07/07/08	3363.04	64.11	ND	50.40	ND	NA	NA	NA	3312.64	
MW-1	08/18/08	3363.04	64.14	ND	50.46	ND	NA	NA	NA	3312.58	Sampled
MW-1	10/29/08	3363.04	64.18	ND	50.52	ND	NA	NA	NA	3312.52	
MW-1	11/19/08	3363.04	64.18	ND	50.57	ND	NA	NA	NA	3312.47	Sampled
MW-1	12/21/08	3363.04	64.18	ND	50.56	ND	NA	NA	NA	3312.48	
MW-1	01/07/09	3363.04	64.15	ND	50.44	ND	NA	NA	NA	3312.60	
MW-1	02/04/09	3363.04	64.20	ND	50.53	ND	NA	NA	NA	3312.51	
MW-1	02/17/09	3363.04	64.18	ND	50.49	ND	NA	NA	NA	3312.55	Sampled
MW-1	03/04/09	3363.04	64.20	ND	50.46*	ND	NA	NA	NA	3312.58	
MW-1	04/08/09	3363.04	64.20	ND	50.51	ND	NA	NA	NA	3312.53	
MW-1	05/06/09	3363.04	64.20	ND	50.56	ND	NA	NA	NA	3312.48	
MW-1	05/19/09	3363.04	64.20	ND	50.61	ND	NA	NA	NA	3312.43	Sampled
MW-1	06/03/09	3363.04	64.20	ND	50.63	ND	NA	NA	NA	3312.41	
MW-1	07/15/09	3363.04	64.20	ND	50.64	ND	NA	NA	NA	3312.40	
MW-1	08/05/09	3363.04	64.20	ND	50.67	ND	NA	NA	NA	3312.37	
MW-1	08/26/09	3363.04	64.14	ND	50.68	ND	NA	NA	NA	3312.36	Sampled
MW-1	09/02/09	3363.04	64.14	ND	50.68	ND	NA	NA	NA	3312.36	
MW-1	10/07/09	3363.04	64.14	ND	50.70	ND	NA	NA	NA	3312.34	
MW-1	11/04/09	3363.04	64.14	ND	50.75	ND	NA	NA	NA	3312.29	
MW-1	11/18/09	3363.04	64.14	ND	50.70	ND	NA	NA	NA	3312.34	Sampled
MW-1	12/02/09	3363.04	64.14	ND	50.78	ND	NA	NA	NA	3312.26	
MW-1	01/06/10	3363.04	64.14	ND	50.68	ND	NA	NA	NA	3312.36	
MW-1	02/11/10	3363.04	64.14	ND	50.67	ND	NA	NA	NA	3312.37	Sampled
MW-1	03/10/10	3363.04	64.14	ND	50.59	ND	NA	NA	NA	3312.45	
MW-1	04/07/10	3363.04	64.14	ND	50.64	ND	NA	NA	NA	3312.40	
MW-1	05/05/10	3363.04	64.14	ND	50.64	ND	NA	NA	NA	3312.40	
MW-1	05/11/10	3363.04	64.14	ND	50.55	ND	NA	NA	NA	3312.49	Sampled
MW-1	06/02/10	3363.04	64.14	ND	50.54	ND	NA	NA	NA	3312.50	
MW-1	07/07/10	3363.04	64.14	ND	50.58	ND	NA	NA	NA	3312.46	
MW-1	08/03/10	3363.04	64.14	ND	50.56	ND	NA	NA	NA	3312.48	
MW-1	08/26/10	3363.04	64.14	ND	50.55	ND	NA	NA	NA	3312.49	Sampled
MW-1	09/01/10	3363.04	64.14	ND	50.51	ND	NA	NA	NA	3312.53	
MW-1	10/13/10	3363.04	64.14	ND	50.64	ND	NA	NA	NA	3312.40	
MW-1	11/18/10	3363.04	64.14	ND	50.55	ND	NA	NA	NA	3312.49	Sampled
MW-1	11/23/10	3363.04	64.14	ND	50.57	ND	NA	NA	NA	3312.47	
MW-1	12/08/10	3363.04	64.14	ND	50.58	ND	NA	NA	NA	3312.46	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-1	01/12/11	3363.04	64.14	ND	50.59	ND	NA	NA	NA	3312.45	
MW-1	02/08/11	3363.04	64.14	ND	50.42	ND	NA	NA	NA	3312.62	
MW-1	02/23/11	3363.04	64.14	ND	50.50	ND	NA	NA	NA	3312.54	Sampled
MW-1	03/08/11	3363.04	64.14	ND	50.48	ND	NA	NA	NA	3312.56	
MW-1	04/13/11	3363.04	64.14	ND	50.45	ND	NA	NA	NA	3312.59	
MW-1	06/01/11	3363.04	64.14	ND	50.52	ND	NA	NA	NA	3312.52	Sampled
MW-1	07/27/11	3363.04	64.14	ND	50.52	ND	NA	NA	NA	3312.52	
MW-1	08/30/11	3363.04	64.14	ND	50.58	ND	NA	NA	NA	3312.46	Sampled
MW-1	09/14/11	3363.04	64.14	ND	50.65	ND	NA	NA	NA	3312.39	
MW-1	10/12/11	3363.04	64.14	ND	50.65	ND	NA	NA	NA	3312.39	
MW-1	11/28/11	3363.04	64.14	ND	50.64	ND	NA	NA	NA	3312.40	Sampled
MW-1	12/27/11	3363.04	64.14	ND	50.55	ND	NA	NA	NA	3312.49	
MW-1	01/18/12	3363.04	64.14	ND	50.66	ND	NA	NA	NA	3312.38	
MW-1	02/02/12	3363.04	64.14	ND	50.58	ND	NA	NA	NA	3312.46	
MW-1	02/15/12	3363.04	64.14	ND	50.66	ND	NA	NA	NA	3312.38	
MW-1	02/22/12	3363.04	64.14	ND	50.60	ND	NA	NA	NA	3312.44	Sampled
MW-1	04/26/12	3363.04	64.14	ND	50.60	ND	NA	NA	NA	3312.44	
MW-1	05/22/12	3363.04	64.14	ND	50.52	ND	NA	NA	NA	3312.52	Sampled
MW-1	07/18/12	3363.04	64.14	ND	50.72	ND	NA	NA	NA	3312.32	
MW-1	09/11/12	3363.04	64.14	ND	50.75	ND	NA	NA	NA	3312.29	
MW-1	11/26/12	3363.04	64.14	ND	50.83	ND	NA	NA	NA	3312.21	
MW-1	02/27/13	3363.04	64.14	ND	50.92	ND	NA	NA	NA	3312.12	
MW-1	06/11/13	3363.04	64.14	ND	50.92	ND	NA	NA	NA	3312.12	
MW-1	08/14/13	3363.04	64.14	ND	51.02	ND	NA	NA	NA	3312.02	
MW-1	09/10/13	3363.04	64.14	ND	51.08	ND	NA	NA	NA	3311.96	
MW-1	11/06/13	3363.04	63.78	ND	51.09	ND	NA	NA	NA	3311.95	
MW-1	02/26/14	3363.04	63.78	ND	51.02	ND	NA	NA	NA	3312.02	
MW-1	03/05/14	3363.04	63.78	ND	51.06	ND	NA	NA	NA	3311.98	Sampled
MW-1	06/03/14	3363.04	63.78	ND	51.09	ND	NA	NA	NA	3311.95	Sampled
MW-1	09/17/14	3363.04	63.78	ND	51.23	ND	NA	NA	NA	3311.81	Sampled
MW-1	11/12/14	3363.04	63.76	ND	51.30	ND	NA	NA	NA	3311.74	Sampled
MW-1	02/25/15	3363.04	63.78	ND	51.15	ND	NA	NA	NA	3311.89	Sampled
MW-1	06/16/15	3363.04	63.78	ND	51.26	ND	NA	NA	NA	3311.78	Sampled
MW-1	08/26/15	3363.04	63.78	ND	51.34	ND	NA	NA	NA	3311.70	Sampled
MW-1	11/17/15	3363.04	63.78	ND	51.31	ND	NA	NA	NA	3311.73	Sampled
MW-1	03/08/16	3363.04	63.78	ND	51.18	ND	NA	NA	NA	3311.86	Sampled
MW-1	05/17/16	3363.04	63.78	ND	51.12	ND	NA	NA	NA	3311.92	Sampled
MW-1	09/19/16	3363.04	63.78	ND	51.12	ND	NA	NA	NA	3311.92	Sampled
MW-1	12/14/16	3363.04	63.78	ND	51.04	ND	NA	NA	NA	3312.00	Sampled
MW-1	05/08/17	3363.04	63.78	ND	50.84	ND	NA	NA	NA	3312.20	Sampled
MW-1	09/14/17	3363.04	63.78	ND	50.88	ND	NA	NA	NA	3312.16	Sampled
MW-1	11/28/17	3363.04	63.78	ND	50.81	ND	NA	NA	NA	3312.23	Sampled
MW-1	03/06/18	3363.04	63.78	ND	50.68	ND	NA	NA	NA	3312.36	Sampled
MW-1	06/12/18	3363.04	63.78	ND	50.54	ND	NA	NA	NA	3312.50	Sampled
MW-1	09/05/18	3363.04	63.78	ND	50.53	ND	NA	NA	NA	3312.51	Sampled
MW-1	11/27/18	3363.04	63.78	ND	50.41	ND	NA	NA	NA	3312.63	Sampled
MW-1	02/12/19	3363.04	63.78	ND	50.35	ND	NA	NA	NA	3312.69	Sampled
MW-1	05/08/19	3363.04	63.78	ND	50.11	ND	NA	NA	NA	3312.93	Sampled
MW-1	08/21/19	3363.04	63.78	ND	50.12	ND	NA	NA	NA	3312.92	Sampled
MW-1	11/05/19	3363.04	63.78	ND	50.08	ND	NA	NA	NA	3312.96	Sampled
MW-1	03/17/20	3363.04	63.78	ND	49.88	ND	NA	NA	NA	3313.16	Sampled
MW-1	06/16/20	3363.04	63.78	ND	49.82	ND	NA	NA	NA	3313.22	Sampled
MW-1	09/16/20	3363.04	63.78	ND	49.88	ND	NA	NA	NA	3313.16	Sampled
MW-1	12/22/20	3363.04	63.78	ND	49.80	ND	NA	NA	NA	3313.24	Sampled
MW-2	03/28/06	3362.05	64.09	ND	49.50	ND	NA	NA	NA	3312.55	
MW-2	03/29/06	3362.05	NG	ND	49.46	ND	NA	NA	NA	3312.59	Sampled
MW-2	04/13/06	3362.05	NG	ND	49.47	ND	NA	NA	NA	3312.58	
MW-2	04/25/06	3362.05	NG	ND	49.45	ND	NA	NA	NA	3312.60	
MW-2	05/03/06	3362.05	NG	ND	49.37	ND	NA	NA	NA	3312.68	
MW-2	05/11/06	3362.05	NG	ND	49.50	ND	NA	NA	NA	3312.55	
MW-2	05/24/06	3362.05	NG	ND	49.43	ND	NA	NA	NA	3312.62	
MW-2	06/07/06	3362.05	NG	ND	49.44	ND	NA	NA	NA	3312.61	
MW-2	06/15/06	3362.05	NG	ND	49.44	ND	NA	NA	NA	3312.61	
MW-2	06/29/06	3362.05	NG	ND	49.43	ND	NA	NA	NA	3312.62	
MW-2	07/11/06	3362.05	NG	ND	49.38	ND	NA	NA	NA	3312.67	
MW-2	07/25/06	3362.05	NG	ND	49.42	ND	NA	NA	NA	3312.63	
MW-2	08/09/06	3362.05	64.19	ND	49.35	ND	NA	NA	NA	3312.70	
MW-2	08/22/06	3362.05	NG	ND	49.46	ND	NA	NA	NA	3312.59	
MW-2	09/12/06	3362.05	64.06	ND	49.43	ND	NA	NA	NA	3312.62	Sampled
MW-2	09/19/06	3362.05	NG	ND	49.38	ND	NA	NA	NA	3312.67	
MW-2	10/03/06	3362.05	NG	ND	49.35	ND	NA	NA	NA	3312.70	
MW-2	10/17/06	3362.05	NG	ND	49.38	ND	NA	NA	NA	3312.67	
MW-2	10/31/06	3362.05	NG	ND	49.43	ND	NA	NA	NA	3312.62	
MW-2	11/15/06	3362.05	NG	ND	49.37	ND	NA	NA	NA	3312.68	
MW-2	12/06/06	3362.11	64.05	ND	49.35	ND	NA	NA	NA	3312.76	Sampled
MW-2	12/13/06	3362.11	NG	ND	49.38	ND	NA	NA	NA	3312.73	
MW-2	12/27/06	3362.11	NG	ND	49.20	ND	NA	NA	NA	3312.91	
MW-2	01/03/07	3362.11	NG	ND	49.33	ND	NA	NA	NA	3312.78	
MW-2	01/09/07	3362.11	NG	ND	49.35	ND	NA	NA	NA	3312.76	
MW-2	01/18/07	3362.11	NG	ND	49.25	ND	NA	NA	NA	3312.86	
MW-2	01/22/07	3362.11	NG	ND	49.16	ND	NA	NA	NA	3312.95	
MW-2	02/01/07	3362.11	NG	ND	49.10	ND	NA	NA	NA	3313.01	
MW-2	02/07/07	3362.11	NG	ND	49.25	ND	NA	NA	NA	3312.86	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-2	02/14/07	3362.11	NG	ND	49.25	ND	NA	NA	NA	3312.86	
MW-2	02/21/07	3362.11	NG	ND	49.25	ND	NA	NA	NA	3312.86	
MW-2	02/28/07	3362.11	64.06	ND	49.10	ND	NA	NA	NA	3313.01	Sampled
MW-2	03/07/07	3362.11	NG	ND	49.18	ND	NA	NA	NA	3312.93	
MW-2	04/03/07	3362.11	NG	ND	49.13	ND	NA	NA	NA	3312.98	
MW-2	05/03/07	3362.11	NG	ND	49.03	ND	NA	NA	NA	3313.08	
MW-2	05/30/07	3362.11	64.07	ND	49.10	ND	NA	NA	NA	3313.01	Sampled
MW-2	06/06/07	3362.11	64.06	ND	49.03	ND	NA	NA	NA	3313.08	
MW-2	07/05/07	3362.11	64.03	ND	49.00	ND	NA	NA	NA	3313.11	
MW-2	07/31/07	3362.11	64.03	ND	49.03	ND	NA	NA	NA	3313.08	
MW-2	09/06/07	3362.11	64.04	ND	48.98	ND	NA	NA	NA	3313.13	Sampled
MW-2	09/10/07	3362.11	64.05	ND	49.01	ND	NA	NA	NA	3313.10	
MW-2	11/13/07	3362.11	64.05	ND	49.12	ND	NA	NA	NA	3312.99	Sampled
MW-2	12/27/07	3362.11	64.05	ND	49.07	ND	NA	NA	NA	3313.04	
MW-2	01/09/08	3362.11	64.07	ND	49.00	ND	NA	NA	NA	3313.11	
MW-2	02/06/08	3362.11	64.07	ND	49.01	ND	NA	NA	NA	3313.10	
MW-2	02/27/08	3362.11	64.03	ND	49.15	ND	NA	NA	NA	3312.96	Sampled
MW-2	04/02/08	3362.11	64.03	ND	49.00	ND	NA	NA	NA	3313.11	
MW-2	05/28/08	3362.11	64.02	ND	49.13	ND	NA	NA	NA	3312.98	Sampled
MW-2	06/18/08	3362.11	64.02	ND	49.18	ND	NA	NA	NA	3312.93	
MW-2	07/07/08	3362.11	64.02	ND	49.16	ND	NA	NA	NA	3312.95	
MW-2	08/18/08	3362.11	64.05	ND	49.18	ND	NA	NA	NA	3312.93	Sampled
MW-2	10/29/08	3362.11	64.01	ND	49.26	ND	NA	NA	NA	3312.85	
MW-2	11/19/08	3362.11	64.01	ND	49.26	ND	NA	NA	NA	3312.85	Sampled
MW-2	12/21/08	3362.11	64.01	ND	49.29	ND	NA	NA	NA	3312.82	
MW-2	01/07/09	3362.11	64.08	ND	49.17	ND	NA	NA	NA	3312.94	
MW-2	02/04/09	3362.11	64.10	ND	49.96	ND	NA	NA	NA	3312.15	
MW-2	02/17/09	3362.11	64.08	ND	49.22	ND	NA	NA	NA	3312.89	Sampled
MW-2	03/04/09	3362.11	64.07	ND	49.20	ND	NA	NA	NA	3312.91	
MW-2	04/08/09	3362.11	64.07	ND	49.25	ND	NA	NA	NA	3312.86	
MW-2	05/06/09	3362.11	64.07	ND	49.27*	ND	NA	NA	NA	3312.84	
MW-2	05/19/09	3362.11	64.07	ND	49.31	ND	NA	NA	NA	3312.80	Sampled
MW-2	06/03/09	3362.11	64.07	ND	49.35	ND	NA	NA	NA	3312.76	
MW-2	07/15/09	3362.11	64.07	ND	49.37	ND	NA	NA	NA	3312.74	
MW-2	08/05/09	3362.11	64.07	ND	49.39	ND	NA	NA	NA	3312.72	
MW-2	08/26/09	3362.11	64.05	ND	49.42	ND	NA	NA	NA	3312.69	Sampled
MW-2	09/02/09	3362.11	64.05	ND	49.40	ND	NA	NA	NA	3312.71	
MW-2	10/07/09	3362.11	64.05	ND	49.41	ND	NA	NA	NA	3312.70	
MW-2	11/04/09	3362.11	64.05	ND	49.47	ND	NA	NA	NA	3312.64	
MW-2	11/18/09	3362.11	64.05	ND	49.42	ND	NA	NA	NA	3312.69	Sampled
MW-2	12/02/09	3362.11	64.05	ND	49.49	ND	NA	NA	NA	3312.62	
MW-2	01/06/10	3362.11	64.05	ND	49.41	ND	NA	NA	NA	3312.70	
MW-2	02/11/10	3362.11	64.05	ND	49.43	ND	NA	NA	NA	3312.68	Sampled
MW-2	03/10/10	3362.11	64.05	ND	49.31	ND	NA	NA	NA	3312.80	
MW-2	04/07/10	3362.11	64.05	ND	49.37	ND	NA	NA	NA	3312.74	
MW-2	05/05/10	3362.11	64.05	ND	49.43	ND	NA	NA	NA	3312.68	
MW-2	05/11/10	3362.11	64.05	ND	49.27	ND	NA	NA	NA	3312.84	Sampled
MW-2	06/02/10	3362.11	64.05	ND	49.27	ND	NA	NA	NA	3312.84	
MW-2	07/07/10	3362.11	64.05	ND	49.30	ND	NA	NA	NA	3312.81	
MW-2	08/03/10	3362.11	64.05	ND	49.26	ND	NA	NA	NA	3312.85	
MW-2	08/26/10	3362.11	64.05	ND	49.25	ND	NA	NA	NA	3312.86	Sampled
MW-2	09/01/10	3362.11	64.05	ND	49.22	ND	NA	NA	NA	3312.89	
MW-2	10/13/10	3362.11	64.05	ND	49.37	ND	NA	NA	NA	3312.74	
MW-2	11/18/10	3362.11	64.05	ND	49.28	ND	NA	NA	NA	3312.83	Sampled
MW-2	11/23/10	3362.11	64.05	ND	49.30	ND	NA	NA	NA	3312.81	
MW-2	12/08/10	3362.11	64.05	ND	49.34	ND	NA	NA	NA	3312.77	
MW-2	01/12/11	3362.11	64.05	ND	49.31	ND	NA	NA	NA	3312.80	
MW-2	02/08/11	3362.11	64.05	ND	49.16	ND	NA	NA	NA	3312.95	
MW-2	02/23/11	3362.11	64.05	ND	49.19	ND	NA	NA	NA	3312.92	Sampled
MW-2	03/08/11	3362.11	64.05	ND	49.20	ND	NA	NA	NA	3312.91	
MW-2	04/13/11	3362.11	64.05	ND	49.18	ND	NA	NA	NA	3312.93	
MW-2	06/01/11	3362.11	64.05	ND	49.23	ND	NA	NA	NA	3312.88	Sampled
MW-2	07/27/11	3362.11	64.05	ND	49.23	ND	NA	NA	NA	3312.88	
MW-2	08/30/11	3362.11	64.05	ND	49.29	ND	NA	NA	NA	3312.82	Sampled
MW-2	09/14/11	3362.11	64.05	ND	49.38	ND	NA	NA	NA	3312.73	
MW-2	10/12/11	3362.11	64.05	ND	49.39	ND	NA	NA	NA	3312.72	
MW-2	11/28/11	3362.11	64.05	ND	49.37	ND	NA	NA	NA	3312.74	Sampled
MW-2	12/27/11	3362.11	64.05	ND	49.41	ND	NA	NA	NA	3312.70	
MW-2	01/18/12	3362.11	64.05	ND	49.39	ND	NA	NA	NA	3312.72	
MW-2	02/02/12	3362.11	64.05	ND	49.32	ND	NA	NA	NA	3312.79	
MW-2	02/15/12	3362.11	64.05	ND	49.37	ND	NA	NA	NA	3312.74	
MW-2	02/22/12	3362.11	64.05	ND	49.29	ND	NA	NA	NA	3312.82	Sampled
MW-2	04/26/12	3362.11	64.05	ND	49.31	ND	NA	NA	NA	3312.80	
MW-2	05/22/12	3362.11	64.05	ND	49.28	ND	NA	NA	NA	3312.83	Sampled
MW-2	07/18/12	3362.11	64.05	ND	49.43	ND	NA	NA	NA	3312.68	
MW-2	09/11/12	3362.11	64.05	ND	49.46	ND	NA	NA	NA	3312.65	
MW-2	11/26/12	3362.11	64.05	ND	49.56	ND	NA	NA	NA	3312.55	
MW-2	02/27/13	3362.11	64.05	ND	49.64	ND	NA	NA	NA	3312.47	
MW-2	06/11/13	3362.11	64.05	ND	49.65	ND	NA	NA	NA	3312.46	
MW-2	08/14/13	3362.11	64.05	ND	49.74	ND	NA	NA	NA	3312.37	
MW-2	09/10/13	3362.11	64.05	ND	49.84	ND	NA	NA	NA	3312.27	
MW-2	11/06/13	3362.11	64.10	ND	49.82	ND	NA	NA	NA	3312.29	
MW-2	02/26/14	3362.11	64.10	ND	49.77	ND	NA	NA	NA	3312.34	
MW-2	03/05/14	3362.11	64.10	ND	49.80	ND	NA	NA	NA	3312.31	Sampled

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-2	06/03/14	3362.11	64.10	ND	49.80	ND	NA	NA	NA	3312.31	Sampled
MW-2	09/17/14	3362.11	64.10	ND	49.95	ND	NA	NA	NA	3312.16	Sampled
MW-2	11/12/14	3362.11	64.10	ND	50.07	ND	NA	NA	NA	3312.04	Sampled
MW-2	02/25/15	3362.11	64.10	ND	49.92	ND	NA	NA	NA	3312.19	Sampled
MW-2	06/16/15	3362.11	64.10	ND	50.02	ND	NA	NA	NA	3312.09	Sampled
MW-2	08/26/15	3362.11	64.10	ND	50.04	ND	NA	NA	NA	3312.07	Sampled
MW-2	11/17/15	3362.11	64.10	ND	50.08	ND	NA	NA	NA	3312.03	Sampled
MW-2	03/08/16	3362.11	64.10	ND	49.94	ND	NA	NA	NA	3312.17	Sampled
MW-2	05/17/16	3362.11	64.10	ND	49.88	ND	NA	NA	NA	3312.23	Sampled
MW-2	09/19/16	3362.11	64.10	ND	49.85	ND	NA	NA	NA	3312.26	Sampled
MW-2	12/14/16	3362.11	64.10	ND	49.76	ND	NA	NA	NA	3312.35	Sampled
MW-2	05/08/17	3362.11	64.10	ND	49.59	ND	NA	NA	NA	3312.52	Sampled
MW-2	09/14/17	3362.11	64.10	ND	49.62	ND	NA	NA	NA	3312.49	Sampled
MW-2	11/28/17	3362.11	64.10	ND	49.55	ND	NA	NA	NA	3312.56	Sampled
MW-2	03/06/18	3362.11	64.10	ND	49.40	ND	NA	NA	NA	3312.71	Sampled
MW-2	06/12/18	3362.11	64.10	ND	49.26	ND	NA	NA	NA	3312.85	Sampled
MW-2	09/05/18	3362.11	64.10	ND	49.22	ND	NA	NA	NA	3312.89	Sampled
MW-2	11/27/18	3362.11	64.10	ND	49.26	ND	NA	NA	NA	3312.85	Sampled
MW-2	02/12/19	3362.11	64.10	ND	49.03	ND	NA	NA	NA	3313.08	Sampled
MW-2	05/08/19	3362.11	64.10	ND	48.80	ND	NA	NA	NA	3313.31	Sampled
MW-2	08/21/19	3362.11	64.10	ND	48.80	ND	NA	NA	NA	3313.31	Sampled
MW-2	11/05/19	3362.11	64.10	ND	48.78	ND	NA	NA	NA	3313.33	Sampled
MW-2	03/17/20	3362.11	64.10	ND	48.58	ND	NA	NA	NA	3313.53	Sampled
MW-2	06/16/20	3362.11	64.10	ND	48.54	ND	NA	NA	NA	3313.57	Sampled
MW-2	09/16/20	3362.11	64.10	ND	48.56	ND	NA	NA	NA	3313.55	Sampled
MW-2	12/22/20	3362.11	64.10	ND	48.50	ND	NA	NA	NA	3313.61	Sampled
MW-3	03/28/06	3362.02	64.76	ND	49.05	ND	NA	NA	NA	3312.97	
MW-3	03/29/06	3362.02	NG	ND	49.00	ND	NA	NA	NA	3313.02	Sampled
MW-3	04/13/06	3362.02	NG	ND	49.03	ND	NA	NA	NA	3312.99	
MW-3	04/25/06	3362.02	NG	ND	49.10	ND	NA	NA	NA	3312.92	
MW-3	05/03/06	3362.02	NG	ND	48.92	ND	NA	NA	NA	3313.10	
MW-3	05/11/06	3362.02	NG	ND	49.07	ND	NA	NA	NA	3312.95	
MW-3	05/23/06	3362.02	NG	ND	48.90	ND	NA	NA	NA	3313.12	
MW-3	06/07/06	3362.02	NG	ND	48.95	ND	NA	NA	NA	3313.07	
MW-3	06/15/06	3362.02	NG	ND	48.95	ND	NA	NA	NA	3313.07	
MW-3	06/29/06	3362.02	NG	ND	48.98	ND	NA	NA	NA	3313.04	
MW-3	07/11/06	3362.02	NG	ND	48.92	ND	NA	NA	NA	3313.10	
MW-3	07/25/06	3362.02	NG	ND	48.97	ND	NA	NA	NA	3313.05	
MW-3	08/09/06	3362.02	64.83	ND	48.90	ND	NA	NA	NA	3313.12	
MW-3	08/22/06	3362.02	NG	ND	49.02	ND	NA	NA	NA	3313.00	
MW-3	09/12/06	3362.02	64.67	ND	48.93	ND	NA	NA	NA	3313.09	Sampled
MW-3	09/19/06	3362.02	NG	ND	48.93	ND	NA	NA	NA	3313.09	
MW-3	10/03/06	3362.02	NG	ND	48.91	ND	NA	NA	NA	3313.11	
MW-3	10/17/06	3362.02	NG	ND	48.92	ND	NA	NA	NA	3313.10	
MW-3	10/31/06	3362.02	NG	ND	48.96	ND	NA	NA	NA	3313.06	
MW-3	11/15/06	3362.02	NG	ND	48.88	ND	NA	NA	NA	3313.14	
MW-3	12/06/06	3362.13	64.05	ND	48.89	ND	NA	NA	NA	3313.24	Sampled
MW-3	12/13/06	3362.13	NG	ND	49.40	ND	NA	NA	NA	3312.73	
MW-3	12/27/06	3362.13	NG	ND	48.73	ND	NA	NA	NA	3313.40	
MW-3	01/03/07	3362.13	NG	ND	48.86	ND	NA	NA	NA	3313.27	
MW-3	01/09/07	3362.13	NG	ND	48.88	ND	NA	NA	NA	3313.25	
MW-3	01/18/07	3362.13	NG	ND	48.77	ND	NA	NA	NA	3313.36	
MW-3	01/22/07	3362.13	NG	ND	48.20	ND	NA	NA	NA	3313.93	
MW-3	02/01/07	3362.13	NG	ND	48.64	ND	NA	NA	NA	3313.49	
MW-3	02/07/07	3362.13	NG	ND	48.78	ND	NA	NA	NA	3313.35	
MW-3	02/14/07	3362.13	NG	ND	48.77	ND	NA	NA	NA	3313.36	
MW-3	02/21/07	3362.13	NG	ND	48.46	ND	NA	NA	NA	3313.67	
MW-3	02/28/07	3362.13	64.79	ND	48.64	ND	NA	NA	NA	3313.49	Sampled
MW-3	03/07/07	3362.13	NG	ND	48.70	ND	NA	NA	NA	3313.43	
MW-3	04/03/07	3362.13	NG	ND	48.68	ND	NA	NA	NA	3313.45	
MW-3	05/03/07	3362.13	NG	ND	48.56	ND	NA	NA	NA	3313.57	
MW-3	05/30/07	3362.13	64.78	ND	48.62	ND	NA	NA	NA	3313.51	Sampled
MW-3	06/06/07	3362.13	64.78	ND	48.53	ND	NA	NA	NA	3313.60	
MW-3	07/05/07	3362.13	64.70	ND	48.50	ND	NA	NA	NA	3313.63	
MW-3	07/31/07	3362.13	64.70	ND	48.53	ND	NA	NA	NA	3313.60	
MW-3	09/06/07	3362.13	64.70	ND	48.52	ND	NA	NA	NA	3313.61	Sampled
MW-3	09/10/07	3362.13	64.70	ND	48.58	ND	NA	NA	NA	3313.55	
MW-3	11/13/07	3362.13	64.82	ND	48.58	ND	NA	NA	NA	3313.55	Sampled
MW-3	12/27/07	3362.13	64.82	ND	48.52	ND	NA	NA	NA	3313.61	
MW-3	01/09/08	3362.13	64.67	ND	48.51	ND	NA	NA	NA	3313.62	
MW-3	02/06/08	3362.13	64.67	ND	48.58	ND	NA	NA	NA	3313.55	
MW-3	02/27/08	3362.13	64.65	ND	48.68	ND	NA	NA	NA	3313.45	Sampled
MW-3	04/02/08	3362.13	64.65	ND	48.50	ND	NA	NA	NA	3313.63	
MW-3	05/28/08	3362.13	64.77	ND	48.67	ND	NA	NA	NA	3313.46	Sampled
MW-3	06/18/08	3362.13	64.77	ND	48.71	ND	NA	NA	NA	3313.42	
MW-3	07/07/08	3362.13	64.77	ND	48.70	ND	NA	NA	NA	3313.43	
MW-3	08/18/08	3362.13	64.68	ND	48.74	ND	NA	NA	NA	3313.39	Sampled
MW-3	10/29/08	3362.13	64.68	ND	48.75	ND	NA	NA	NA	3313.38	
MW-3	11/19/08	3362.13	64.68	ND	48.83	ND	NA	NA	NA	3313.30	Sampled
MW-3	12/21/08	3362.13	64.68	ND	48.85	ND	NA	NA	NA	3313.28	
MW-3	01/07/09	3362.13	64.69	ND	48.75	ND	NA	NA	NA	3313.38	
MW-3	02/04/09	3362.13	64.69	ND	48.81	ND	NA	NA	NA	3313.32	
MW-3	02/17/09	3362.13	64.69	ND	48.78	ND	NA	NA	NA	3313.35	Sampled

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-3	03/04/09	3362.13	64.70	ND	48.76	ND	NA	NA	NA	3313.37	
MW-3	04/08/09	3362.13	64.70	ND	48.81	ND	NA	NA	NA	3313.32	
MW-3	05/06/09	3362.13	64.70	ND	48.82	ND	NA	NA	NA	3313.31	
MW-3	05/19/09	3362.13	64.70	ND	48.88	ND	NA	NA	NA	3313.25	Sampled
MW-3	06/03/09	3362.13	64.70	ND	48.91	ND	NA	NA	NA	3313.22	
MW-3	07/15/09	3362.13	64.70	ND	48.94	ND	NA	NA	NA	3313.19	
MW-3	08/05/09	3362.13	64.70	ND	48.95	ND	NA	NA	NA	3313.18	
MW-3	08/26/09	3362.13	64.68	ND	48.97	ND	NA	NA	NA	3313.16	Sampled
MW-3	09/02/09	3362.13	64.68	ND	48.94	ND	NA	NA	NA	3313.19	
MW-3	10/07/09	3362.13	64.68	ND	48.97	ND	NA	NA	NA	3313.16	
MW-3	11/04/09	3362.13	64.68	ND	49.02	ND	NA	NA	NA	3313.11	
MW-3	11/18/09	3362.13	64.68	ND	48.98	ND	NA	NA	NA	3313.15	Sampled
MW-3	12/02/09	3362.13	64.68	ND	49.03	ND	NA	NA	NA	3313.10	
MW-3	01/06/10	3362.13	64.68	ND	48.96	ND	NA	NA	NA	3313.17	
MW-3	02/11/10	3362.13	64.68	ND	49.00	ND	NA	NA	NA	3313.13	Sampled
MW-3	03/10/10	3362.13	64.68	ND	48.86	ND	NA	NA	NA	3313.27	
MW-3	04/07/10	3362.13	64.68	ND	48.90	ND	NA	NA	NA	3313.23	
MW-3	05/05/10	3362.13	64.68	ND	48.91	ND	NA	NA	NA	3313.22	
MW-3	05/11/10	3362.13	64.68	ND	48.81	ND	NA	NA	NA	3313.32	
MW-3	06/02/10	3362.13	64.68	ND	48.80	ND	NA	NA	NA	3313.33	
MW-3	07/07/10	3362.13	64.68	ND	48.81	ND	NA	NA	NA	3313.32	
MW-3	08/03/10	3362.13	64.68	ND	48.82	ND	NA	NA	NA	3313.31	
MW-3	08/26/10	3362.13	64.68	ND	48.82	ND	NA	NA	NA	3313.31	Sampled
MW-3	09/01/10	3362.13	64.68	ND	48.79	ND	NA	NA	NA	3313.34	
MW-3	10/13/10	3362.13	64.68	ND	48.91	ND	NA	NA	NA	3313.22	
MW-3	11/18/10	3362.13	64.68	ND	48.85	ND	NA	NA	NA	3313.28	Sampled
MW-3	11/23/10	3362.13	64.68	ND	48.85	ND	NA	NA	NA	3313.28	
MW-3	12/08/10	3362.13	64.68	ND	48.88	ND	NA	NA	NA	3313.25	
MW-3	01/12/11	3362.13	64.68	ND	48.86	ND	NA	NA	NA	3313.27	
MW-3	02/08/11	3362.13	64.68	ND	48.72	ND	NA	NA	NA	3313.41	
MW-3	02/23/11	3362.13	64.68	ND	48.74	ND	NA	NA	NA	3313.39	Sampled
MW-3	03/08/11	3362.13	64.68	ND	48.73	ND	NA	NA	NA	3313.40	
MW-3	04/13/11	3362.13	64.68	ND	48.68	ND	NA	NA	NA	3313.45	
MW-3	06/01/11	3362.13	64.68	ND	48.79	ND	NA	NA	NA	3313.34	Sampled
MW-3	07/27/11	3362.13	64.68	ND	48.80	ND	NA	NA	NA	3313.33	
MW-3	08/30/11	3362.13	64.68	ND	48.83	ND	NA	NA	NA	3313.30	Sampled
MW-3	09/14/11	3362.13	64.68	ND	48.92	ND	NA	NA	NA	3313.21	
MW-3	10/12/11	3362.13	64.68	ND	48.98	ND	NA	NA	NA	3313.15	
MW-3	11/28/11	3362.13	64.68	ND	48.93	ND	NA	NA	NA	3313.20	Sampled
MW-3	12/27/11	3362.13	64.68	ND	48.95	ND	NA	NA	NA	3313.18	
MW-3	01/18/12	3362.13	64.68	ND	48.93	ND	NA	NA	NA	3313.20	
MW-3	02/02/12	3362.13	64.68	ND	48.87	ND	NA	NA	NA	3313.26	
MW-3	02/15/12	3362.13	64.68	ND	48.91	ND	NA	NA	NA	3313.22	
MW-3	02/22/12	3362.13	64.68	ND	48.82	ND	NA	NA	NA	3313.31	Sampled
MW-3	04/26/12	3362.13	64.68	ND	48.85	ND	NA	NA	NA	3313.28	
MW-3	05/22/12	3362.13	64.68	ND	48.78	ND	NA	NA	NA	3313.35	Sampled
MW-3	07/18/12	3362.13	64.68	ND	48.98	ND	NA	NA	NA	3313.15	
MW-3	09/11/12	3362.13	64.68	ND	49.02	ND	NA	NA	NA	3313.11	
MW-3	11/26/12	3362.13	64.68	ND	49.09	ND	NA	NA	NA	3313.04	
MW-3	02/27/13	3362.13	64.68	ND	49.19	ND	NA	NA	NA	3312.94	
MW-3	06/11/13	3362.13	64.68	ND	49.20	ND	NA	NA	NA	3312.93	
MW-3	08/14/13	3362.13	64.68	ND	49.28	ND	NA	NA	NA	3312.85	
MW-3	09/10/13	3362.13	64.68	ND	49.34	ND	NA	NA	NA	3312.79	
MW-3	11/06/13	3362.13	64.72	ND	49.38	ND	NA	NA	NA	3312.75	
MW-3	02/06/14	3362.13	64.72	ND	49.32	ND	NA	NA	NA	3312.81	
MW-3	03/05/14	3362.13	64.72	ND	49.35	ND	NA	NA	NA	3312.78	Sampled
MW-3	06/03/14	3362.13	64.72	ND	49.37	ND	NA	NA	NA	3312.76	Sampled
MW-3	09/17/14	3362.13	64.76	ND	49.53	ND	NA	NA	NA	3312.60	Sampled
MW-3	11/10/14	3362.13	64.72	ND	49.63	ND	NA	NA	NA	3312.50	Sampled
MW-3	02/25/15	3362.13	64.72	ND	49.48	ND	NA	NA	NA	3312.65	Sampled
MW-3	08/26/15	3362.13	64.72	ND	49.66	ND	NA	NA	NA	3312.47	Sampled
MW-3	11/17/15	3362.13	64.72	ND	49.64	ND	NA	NA	NA	3312.49	Sampled
MW-3	03/08/16	3362.13	64.72	ND	49.49	ND	NA	NA	NA	3312.64	Sampled
MW-3	05/17/16	3362.13	64.72	ND	49.43	ND	NA	NA	NA	3312.70	Sampled
MW-3	09/19/16	3362.13	64.72	ND	49.40	ND	NA	NA	NA	3312.73	Sampled
MW-3	12/14/16	3362.13	64.72	ND	49.33	ND	NA	NA	NA	3312.80	Sampled
MW-3	05/08/17	3362.13	64.72	ND	49.15	ND	NA	NA	NA	3312.98	Sampled
MW-3	09/14/17	3362.13	64.72	ND	49.15	ND	NA	NA	NA	3312.98	Sampled
MW-3	11/28/17	3362.13	64.72	ND	49.10	ND	NA	NA	NA	3313.03	Sampled
MW-3	03/06/18	3362.13	64.72	ND	48.94	ND	NA	NA	NA	3313.19	Sampled
MW-3	06/12/18	3362.13	64.72	ND	48.78	ND	NA	NA	NA	3313.35	Sampled
MW-3	09/05/18	3362.13	64.72	ND	48.75	ND	NA	NA	NA	3313.38	Sampled
MW-3	11/27/18	3362.13	64.72	ND	48.64	ND	NA	NA	NA	3313.49	Sampled
MW-3	02/12/19	3362.13	64.72	ND	48.55	ND	NA	NA	NA	3313.58	Sampled
MW-3	05/08/19	3362.13	64.72	ND	48.32	ND	NA	NA	NA	3313.81	Sampled
MW-3	08/21/19	3362.13	64.72	ND	48.32	ND	NA	NA	NA	3313.81	Sampled
MW-3	11/05/19	3362.13	64.72	ND	48.28	ND	NA	NA	NA	3313.85	Sampled
MW-3	03/17/20	3362.13	64.72	ND	48.10	ND	NA	NA	NA	3314.03	Sampled
MW-3	06/16/20	3362.13	64.72	ND	48.03	ND	NA	NA	NA	3314.10	Sampled
MW-3	09/16/20	3362.13	64.72	ND	48.09	ND	NA	NA	NA	3314.04	Sampled
MW-3	12/22/20	3362.13	64.72	ND	48.04	ND	NA	NA	NA	3314.09	Sampled
MW-4	12/06/06	3362.49	63.56	ND	48.87	ND	NA	NA	NA	3313.62	Sampled
MW-4	12/13/06	3362.49	NG	ND	48.90	ND	NA	NA	NA	3313.59	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-4	12/27/06	3362.49	NG	ND	48.72	ND	NA	NA	NA	3313.77	
MW-4	01/03/07	3362.49	NG	ND	48.82	ND	NA	NA	NA	3313.67	
MW-4	01/09/07	3362.49	NG	ND	48.86	ND	NA	NA	NA	3313.63	
MW-4	01/18/07	3362.49	NG	ND	48.76	ND	NA	NA	NA	3313.73	
MW-4	01/22/07	3362.49	NG	ND	48.68	ND	NA	NA	NA	3313.81	
MW-4	02/01/07	3362.49	NG	ND	48.63	ND	NA	NA	NA	3313.86	
MW-4	02/07/07	3362.49	NG	ND	48.75	ND	NA	NA	NA	3313.74	
MW-4	02/14/07	3362.49	NG	ND	48.74	ND	NA	NA	NA	3313.75	
MW-4	02/21/07	3362.49	NG	ND	48.46	ND	NA	NA	NA	3314.03	
MW-4	02/28/07	3362.49	63.55	ND	48.61	ND	NA	NA	NA	3313.88	Sampled
MW-4	03/07/07	3362.49	NG	ND	48.70	ND	NA	NA	NA	3313.79	
MW-4	04/03/07	3362.49	NG	ND	48.66	ND	NA	NA	NA	3313.83	
MW-4	05/03/07	3362.49	NG	ND	48.53	ND	NA	NA	NA	3313.96	
MW-4	05/30/07	3362.49	63.56	ND	48.60	ND	NA	NA	NA	3313.89	Sampled
MW-4	06/06/07	3362.49	63.56	ND	48.52	ND	NA	NA	NA	3313.97	
MW-4	07/05/07	3362.49	63.40	ND	48.48	ND	NA	NA	NA	3314.01	
MW-4	07/31/07	3362.49	63.42	ND	48.51	ND	NA	NA	NA	3313.98	
MW-4	09/06/07	3362.49	63.40	ND	48.50	ND	NA	NA	NA	3313.99	Sampled
MW-4	09/10/07	3362.49	63.42	ND	48.55	ND	NA	NA	NA	3313.94	
MW-4	11/13/07	3362.49	63.52	ND	48.61	ND	NA	NA	NA	3313.88	Sampled
MW-4	12/27/07	3362.49	63.52	ND	48.57	ND	NA	NA	NA	3313.92	
MW-4	01/09/08	3362.49	63.40	ND	48.51	ND	NA	NA	NA	3313.98	
MW-4	02/06/08	3362.49	63.40	ND	48.55	ND	NA	NA	NA	3313.94	
MW-4	02/27/08	3362.49	63.39	ND	48.69	ND	NA	NA	NA	3313.80	Sampled
MW-4	04/02/08	3362.49	63.39	ND	48.49	ND	NA	NA	NA	3314.00	
MW-4	05/28/08	3362.49	63.50	ND	48.66	ND	NA	NA	NA	3313.83	Sampled
MW-4	06/18/08	3362.49	63.50	ND	48.71	ND	NA	NA	NA	3313.78	
MW-4	07/07/08	3362.49	63.50	ND	48.68	ND	NA	NA	NA	3313.81	
MW-4	08/18/08	3362.49	63.40	ND	48.73	ND	NA	NA	NA	3313.76	Sampled
MW-4	10/29/08	3362.49	63.41	ND	48.80	ND	NA	NA	NA	3313.69	
MW-4	11/19/08	3362.49	63.41	ND	48.81	ND	NA	NA	NA	3313.68	Sampled
MW-4	12/21/08	3362.49	63.41	ND	48.83	ND	NA	NA	NA	3313.66	
MW-4	01/07/09	3362.49	63.41	ND	48.74	ND	NA	NA	NA	3313.75	
MW-4	02/04/09	3362.49	63.42	ND	48.81	ND	NA	NA	NA	3313.68	
MW-4	02/17/09	3362.49	63.40	ND	48.78	ND	NA	NA	NA	3313.71	Sampled
MW-4	03/04/09	3362.49	63.41	ND	48.74	ND	NA	NA	NA	3313.75	
MW-4	04/08/09	3362.49	63.41	ND	48.81	ND	NA	NA	NA	3313.68	
MW-4	05/06/09	3362.49	63.41	ND	48.81	ND	NA	NA	NA	3313.68	
MW-4	05/19/09	3362.49	63.41	ND	48.88	ND	NA	NA	NA	3313.61	Sampled
MW-4	06/03/09	3362.49	63.41	ND	48.90	ND	NA	NA	NA	3313.59	
MW-4	07/15/09	3362.49	63.41	ND	48.94	ND	NA	NA	NA	3313.55	
MW-4	08/05/09	3362.49	63.41	ND	48.93	ND	NA	NA	NA	3313.56	
MW-4	08/26/09	3362.49	63.40	ND	48.96	ND	NA	NA	NA	3313.53	Sampled
MW-4	09/02/09	3362.49	63.40	ND	48.97	ND	NA	NA	NA	3313.52	
MW-4	10/07/09	3362.49	63.40	ND	48.95	ND	NA	NA	NA	3313.54	
MW-4	11/04/09	3362.49	63.40	ND	48.94	ND	NA	NA	NA	3313.55	
MW-4	11/18/09	3362.49	63.40	ND	48.97	ND	NA	NA	NA	3313.52	Sampled
MW-4	12/02/09	3362.49	63.40	ND	48.93	ND	NA	NA	NA	3313.56	
MW-4	01/06/10	3362.49	63.40	ND	48.95	ND	NA	NA	NA	3313.54	
MW-4	02/11/10	3362.49	63.40	ND	48.96	ND	NA	NA	NA	3313.53	Sampled
MW-4	03/10/10	3362.49	63.40	ND	48.87	ND	NA	NA	NA	3313.62	
MW-4	04/07/10	3362.49	63.40	ND	48.88	ND	NA	NA	NA	3313.61	
MW-4	05/05/10	3362.49	63.40	ND	48.90	ND	NA	NA	NA	3313.59	
MW-4	05/11/10	3362.49	63.40	ND	48.80	ND	NA	NA	NA	3313.69	Sampled
MW-4	06/02/10	3362.49	63.40	ND	48.78	ND	NA	NA	NA	3313.71	
MW-4	07/07/10	3362.49	63.40	ND	48.80	ND	NA	NA	NA	3313.69	
MW-4	08/03/10	3362.49	63.40	ND	48.78	ND	NA	NA	NA	3313.71	
MW-4	08/26/10	3362.49	63.40	ND	48.75	ND	NA	NA	NA	3313.74	Sampled
MW-4	09/01/10	3362.49	63.40	ND	48.74	ND	NA	NA	NA	3313.75	
MW-4	10/13/10	3362.49	63.40	ND	48.88	ND	NA	NA	NA	3313.61	
MW-4	11/18/10	3362.49	63.40	ND	48.83	ND	NA	NA	NA	3313.66	Sampled
MW-4	11/23/10	3362.49	63.40	ND	48.83	ND	NA	NA	NA	3313.66	
MW-4	12/08/10	3362.49	63.40	ND	48.86	ND	NA	NA	NA	3313.63	
MW-4	01/12/11	3362.49	63.40	ND	48.83	ND	NA	NA	NA	3313.66	
MW-4	02/08/11	3362.49	63.40	ND	48.72	ND	NA	NA	NA	3313.77	
MW-4	02/23/11	3362.49	63.40	ND	48.71	ND	NA	NA	NA	3313.78	Sampled
MW-4	03/08/11	3362.49	63.40	ND	48.73	ND	NA	NA	NA	3313.76	
MW-4	04/13/11	3362.49	63.40	ND	48.71	ND	NA	NA	NA	3313.78	
MW-4	06/01/11	3362.49	63.40	ND	48.77	ND	NA	NA	NA	3313.72	Sampled
MW-4	07/27/11	3362.49	63.40	ND	48.78	ND	NA	NA	NA	3313.71	
MW-4	08/30/11	3362.49	63.40	ND	48.82	ND	NA	NA	NA	3313.67	Sampled
MW-4	09/14/11	3362.49	63.40	ND	48.89	ND	NA	NA	NA	3313.60	
MW-4	10/12/11	3362.49	63.40	ND	48.92	ND	NA	NA	NA	3313.57	
MW-4	11/28/11	3362.49	63.40	ND	48.92	ND	NA	NA	NA	3313.57	Sampled
MW-4	12/27/11	3362.49	63.40	ND	48.93	ND	NA	NA	NA	3313.56	
MW-4	01/18/12	3362.49	63.40	ND	48.91	ND	NA	NA	NA	3313.58	
MW-4	02/02/12	3362.49	63.40	ND	48.85	ND	NA	NA	NA	3313.64	
MW-4	02/15/12	3362.49	63.40	ND	48.91	ND	NA	NA	NA	3313.58	
MW-4	02/22/12	3362.49	63.40	ND	48.83	ND	NA	NA	NA	3313.66	Sampled
MW-4	04/26/12	3362.49	63.40	ND	48.83	ND	NA	NA	NA	3313.66	
MW-4	05/22/12	3362.49	63.40	ND	48.80	ND	NA	NA	NA	3313.69	Sampled
MW-4	07/18/12	3362.49	63.40	ND	48.96	ND	NA	NA	NA	3313.53	
MW-4	09/11/12	3362.49	63.40	ND	49.02	ND	NA	NA	NA	3313.47	
MW-4	11/26/12	3362.49	63.40	ND	49.10	ND	NA	NA	NA	3313.39	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-4	02/27/13	3362.49	63.40	ND	49.19	ND	NA	NA	NA	3313.30	
MW-4	06/11/13	3362.49	63.40	ND	49.20	ND	NA	NA	NA	3313.29	
MW-4	08/14/13	3362.49	63.40	ND	49.30	ND	NA	NA	NA	3313.19	
MW-4	09/10/13	3362.49	63.40	ND	49.35	ND	NA	NA	NA	3313.14	
MW-4	11/06/13	3362.49	63.48	ND	49.38	ND	NA	NA	NA	3313.11	
MW-4	02/26/14	3362.49	63.48	ND	49.32	ND	NA	NA	NA	3313.17	
MW-4	03/05/14	3362.49	63.48	ND	49.36	ND	NA	NA	NA	3313.13	Sampled
MW-4	06/03/14	3362.49	63.48	ND	49.38	ND	NA	NA	NA	3313.11	Sampled
MW-4	09/17/14	3362.49	63.48	ND	49.53	ND	NA	NA	NA	3312.96	Sampled
MW-4	11/12/14	3362.49	63.48	ND	49.67	ND	NA	NA	NA	3312.82	Sampled
MW-4	02/25/15	3362.49	63.48	ND	49.49	ND	NA	NA	NA	3313.00	Sampled
MW-4	06/16/15	3362.49	63.48	ND	49.60	ND	NA	NA	NA	3312.89	Sampled
MW-4	08/26/15	3362.49	63.48	ND	49.66	ND	NA	NA	NA	3312.83	Sampled
MW-4	11/17/15	3362.49	63.48	ND	49.64	ND	NA	NA	NA	3312.85	Sampled
MW-4	03/08/16	3362.49	63.48	ND	49.49	ND	NA	NA	NA	3313.00	Sampled
MW-4	05/17/16	3362.49	63.48	ND	49.45	ND	NA	NA	NA	3313.04	Sampled
MW-4	09/19/16	3362.49	63.48	ND	49.41	ND	NA	NA	NA	3313.08	Sampled
MW-4	12/14/16	3362.49	63.48	ND	49.30	ND	NA	NA	NA	3313.19	Sampled
MW-4	05/08/17	3362.49	63.48	ND	49.15	ND	NA	NA	NA	3313.34	Sampled
MW-4	09/14/17	3362.49	63.48	ND	49.20	ND	NA	NA	NA	3313.29	Sampled
MW-4	11/28/17	3362.49	63.48	ND	49.08	ND	NA	NA	NA	3313.41	Sampled
MW-4	03/06/18	3362.49	63.48	ND	48.92	ND	NA	NA	NA	3313.57	Sampled
MW-4	06/12/18	3362.49	63.48	ND	48.74	ND	NA	NA	NA	3313.75	Sampled
MW-4	09/05/18	3362.49	63.48	ND	48.71	ND	NA	NA	NA	3313.78	Sampled
MW-4	11/27/18	3362.49	63.48	ND	48.60	ND	NA	NA	NA	3313.89	Sampled
MW-4	02/12/19	3362.49	63.48	ND	48.64	ND	NA	NA	NA	3313.85	Sampled
MW-4	05/08/19	3362.49	63.48	ND	48.29	ND	NA	NA	NA	3314.20	Sampled
MW-4	08/21/19	3362.49	63.48	ND	48.28	ND	NA	NA	NA	3314.21	Sampled
MW-4	11/05/19	3362.49	63.48	ND	48.25	ND	NA	NA	NA	3314.24	Sampled
MW-4	03/17/20	3362.49	63.48	ND	48.09	ND	NA	NA	NA	3314.40	Sampled
MW-4	06/16/20	3362.49	63.48	ND	48.00	ND	NA	NA	NA	3314.49	Sampled
MW-4	09/16/20	3362.49	63.48	ND	48.05	ND	NA	NA	NA	3314.44	Sampled
MW-4	12/22/20	3362.49	63.48	ND	48.02	ND	NA	NA	NA	3314.47	Sampled
MW-5	12/06/06	3363.67	63.72	ND	51.65	ND	NA	NA	NA	3312.02	Sampled
MW-5	12/13/06	3363.67	NG	ND	51.66	ND	NA	NA	NA	3312.01	
MW-5	12/27/06	3363.67	NG	ND	51.50	ND	NA	NA	NA	3312.17	
MW-5	01/03/07	3363.67	NG	ND	51.61	ND	NA	NA	NA	3312.06	
MW-5	01/09/07	3363.67	NG	ND	51.63	ND	NA	NA	NA	3312.04	
MW-5	01/18/07	3363.67	NG	ND	51.54	ND	NA	NA	NA	3312.13	
MW-5	02/01/07	3363.67	NG	ND	51.40	ND	NA	NA	NA	3312.27	
MW-5	02/07/07	3363.67	NG	ND	51.56	ND	NA	NA	NA	3312.11	
MW-5	02/14/07	3363.67	NG	ND	51.53	ND	NA	NA	NA	3312.14	
MW-5	02/21/07	3363.67	NG	ND	51.51	ND	NA	NA	NA	3312.16	
MW-5	02/28/07	3363.67	63.90	ND	51.41	ND	NA	NA	NA	3312.26	Sampled
MW-5	03/07/07	3363.67	NG	ND	51.50	ND	NA	NA	NA	3312.17	
MW-5	04/03/07	3363.67	NG	ND	51.46	ND	NA	NA	NA	3312.21	
MW-5	05/03/07	3363.67	NG	ND	51.39	ND	NA	NA	NA	3312.28	
MW-5	05/30/07	3363.67	63.93	ND	51.43	ND	NA	NA	NA	3312.24	Sampled
MW-5	06/06/07	3363.67	63.93	ND	51.30	ND	NA	NA	NA	3312.37	
MW-5	07/05/07	3363.67	63.90	ND	51.27	ND	NA	NA	NA	3312.40	
MW-5	07/31/07	3363.67	63.90	ND	51.31	ND	NA	NA	NA	3312.36	
MW-5	09/06/07	3363.67	63.90	ND	51.28	ND	NA	NA	NA	3312.39	Sampled
MW-5	09/10/07	3363.67	63.90	ND	51.30	ND	NA	NA	NA	3312.37	
MW-5	11/13/07	3363.67	63.93	ND	51.38	ND	NA	NA	NA	3312.29	Sampled
MW-5	12/27/07	3363.67	63.93	ND	51.33	ND	NA	NA	NA	3312.34	
MW-5	01/09/08	3363.67	64.20	ND	51.21	ND	NA	NA	NA	3312.46	
MW-5	02/06/08	3363.67	64.20	ND	51.28	ND	NA	NA	NA	3312.39	
MW-5	02/27/08	3363.67	63.88	ND	51.42	ND	NA	NA	NA	3312.25	Sampled
MW-5	04/02/08	3363.67	63.88	ND	51.20	ND	NA	NA	NA	3312.47	
MW-5	05/28/08	3363.67	63.75	ND	51.38	ND	NA	NA	NA	3312.29	Sampled
MW-5	06/18/08	3363.67	63.75	ND	51.44	ND	NA	NA	NA	3312.23	
MW-5	07/07/08	3363.67	63.75	ND	51.38	ND	NA	NA	NA	3312.29	
MW-5	08/18/08	3363.67	63.73	ND	51.42	ND	NA	NA	NA	3312.25	Sampled
MW-5	10/29/08	3363.67	63.89	ND	51.48	ND	NA	NA	NA	3312.19	
MW-5	11/19/08	3363.67	63.89	ND	51.49	ND	NA	NA	NA	3312.18	Sampled
MW-5	12/21/08	3363.67	63.89	ND	51.49	ND	NA	NA	NA	3312.18	
MW-5	01/07/09	3363.67	63.74	ND	51.41	ND	NA	NA	NA	3312.26	
MW-5	02/04/09	3363.67	63.90	ND	51.49	ND	NA	NA	NA	3312.18	
MW-5	02/17/09	3363.67	63.78	ND	51.44	ND	NA	NA	NA	3312.23	Sampled
MW-5	03/04/09	3363.67	63.78	ND	51.42	ND	NA	NA	NA	3312.25	
MW-5	04/08/09	3363.67	63.78	ND	51.46	ND	NA	NA	NA	3312.21	
MW-5	05/06/09	3363.67	63.78	ND	51.53	ND	NA	NA	NA	3312.14	
MW-5	05/19/09	3363.67	63.78	ND	51.57	ND	NA	NA	NA	3312.10	Sampled
MW-5	06/03/09	3363.67	63.78	ND	51.59	ND	NA	NA	NA	3312.08	
MW-5	07/15/09	3363.67	63.78	ND	51.65	ND	NA	NA	NA	3312.02	
MW-5	08/05/09	3363.67	63.78	ND	51.65	ND	NA	NA	NA	3312.02	
MW-5	08/26/09	3363.67	63.71	ND	51.66	ND	NA	NA	NA	3312.01	Sampled
MW-5	09/02/09	3363.67	63.71	ND	51.68	ND	NA	NA	NA	3311.99	
MW-5	10/07/09	3363.67	63.71	ND	51.57	ND	NA	NA	NA	3312.10	
MW-5	11/04/09	3363.67	63.71	ND	51.73	ND	NA	NA	NA	3311.94	
MW-5	11/18/09	3363.67	63.71	ND	51.67	ND	NA	NA	NA	3312.00	Sampled
MW-5	12/02/09	3363.67	63.71	ND	51.74	ND	NA	NA	NA	3311.93	
MW-5	01/06/10	3363.67	63.71	ND	51.65	ND	NA	NA	NA	3312.02	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-5	02/11/10	3363.67	63.71	ND	51.54	ND	NA	NA	NA	3312.13	Sampled
MW-5	03/10/10	3363.67	63.71	ND	51.55	ND	NA	NA	NA	3312.12	
MW-5	04/07/10	3363.67	63.71	ND	51.63	ND	NA	NA	NA	3312.04	
MW-5	05/05/10	3363.67	63.71	ND	51.60	ND	NA	NA	NA	3312.07	
MW-5	05/11/10	3363.67	63.71	ND	51.49	ND	NA	NA	NA	3312.18	Sampled
MW-5	06/02/10	3363.67	63.71	ND	51.51	ND	NA	NA	NA	3312.16	
MW-5	07/07/10	3363.67	63.71	ND	51.58	ND	NA	NA	NA	3312.09	
MW-5	08/03/10	3363.67	63.71	ND	51.54	ND	NA	NA	NA	3312.13	
MW-5	08/26/10	3363.67	63.71	ND	51.53	ND	NA	NA	NA	3312.14	Sampled
MW-5	09/01/10	3363.67	63.71	ND	51.50	ND	NA	NA	NA	3312.17	
MW-5	10/13/10	3363.67	63.71	ND	51.66	ND	NA	NA	NA	3312.01	
MW-5	11/18/10	3363.67	63.71	ND	51.54	ND	NA	NA	NA	3312.13	Sampled
MW-5	11/23/10	3363.67	63.71	ND	51.54	ND	NA	NA	NA	3312.13	
MW-5	12/08/10	3363.67	63.71	ND	51.57	ND	NA	NA	NA	3312.10	
MW-5	01/12/11	3363.67	63.71	ND	51.57	ND	NA	NA	NA	3312.10	
MW-5	02/08/11	3363.67	63.71	ND	51.40	ND	NA	NA	NA	3312.27	
MW-5	02/23/11	3363.67	63.71	ND	51.43	ND	NA	NA	NA	3312.24	Sampled
MW-5	03/08/11	3363.67	63.71	ND	51.45	ND	NA	NA	NA	3312.22	
MW-5	04/13/11	3363.67	63.71	ND	51.44	ND	NA	NA	NA	3312.23	
MW-5	06/01/11	3363.67	63.71	ND	51.50	ND	NA	NA	NA	3312.17	Sampled
MW-5	07/27/11	3363.67	63.71	ND	51.54	ND	NA	NA	NA	3312.13	
MW-5	08/30/11	3363.67	63.71	ND	51.57	ND	NA	NA	NA	3312.10	Sampled
MW-5	09/14/11	3363.67	63.71	ND	51.66	ND	NA	NA	NA	3312.01	
MW-5	10/12/11	3363.67	63.71	ND	51.65	ND	NA	NA	NA	3312.02	
MW-5	11/28/11	3363.67	63.71	ND	51.63	ND	NA	NA	NA	3312.04	Sampled
MW-5	12/27/11	3363.67	63.71	ND	51.64	ND	NA	NA	NA	3312.03	
MW-5	01/18/12	3363.67	63.71	ND	51.65	ND	NA	NA	NA	3312.02	
MW-5	02/02/12	3363.67	63.71	ND	51.57	ND	NA	NA	NA	3312.10	
MW-5	02/15/12	3363.67	63.71	ND	51.63	ND	NA	NA	NA	3312.04	
MW-5	02/22/12	3363.67	63.71	ND	51.55	ND	NA	NA	NA	3312.12	Sampled
MW-5	04/26/12	3363.67	63.71	ND	51.58	ND	NA	NA	NA	3312.09	
MW-5	05/22/12	3363.67	63.71	ND	48.78	ND	NA	NA	NA	3314.89	Sampled
MW-5	07/18/12	3363.67	63.71	ND	51.73	ND	NA	NA	NA	3311.94	
MW-5	09/11/12	3363.67	63.71	ND	51.75	ND	NA	NA	NA	3311.92	
MW-5	11/26/12	3363.67	63.71	ND	51.82	ND	NA	NA	NA	3311.85	
MW-5	02/27/13	3363.67	63.71	ND	51.92	ND	NA	NA	NA	3311.75	
MW-5	06/11/13	3363.67	63.71	ND	51.90	ND	NA	NA	NA	3311.77	
MW-5	08/14/13	3363.67	63.71	ND	52.01	ND	NA	NA	NA	3311.66	
MW-5	09/10/13	3363.67	63.71	ND	52.05	ND	NA	NA	NA	3311.62	
MW-5	11/06/13	3363.67	63.81	ND	52.06	ND	NA	NA	NA	3311.61	
MW-5	02/26/14	3363.67	63.81	ND	52.02	ND	NA	NA	NA	3311.65	
MW-5	03/05/14	3363.67	63.81	ND	52.06	ND	NA	NA	NA	3311.61	Sampled
MW-5	06/03/14	3363.67	63.81	ND	52.05	ND	NA	NA	NA	3311.62	Sampled
MW-5	09/17/14	3363.67	63.81	ND	52.21	ND	NA	NA	NA	3311.46	Sampled
MW-5	11/12/14	3363.67	63.81	ND	52.29	ND	NA	NA	NA	3311.38	Sampled
MW-5	02/25/15	3363.67	63.81	ND	52.10	ND	NA	NA	NA	3311.57	Sampled
MW-5	06/16/15	3363.67	63.81	ND	52.23	ND	NA	NA	NA	3311.44	Sampled
MW-5	08/26/15	3363.67	63.81	ND	52.32	ND	NA	NA	NA	3311.35	Sampled
MW-5	11/17/15	3363.67	63.81	ND	52.25	ND	NA	NA	NA	3311.42	Sampled
MW-5	03/08/16	3363.67	63.81	ND	52.13	ND	NA	NA	NA	3311.54	Sampled
MW-5	05/17/16	3363.67	63.81	ND	52.09	ND	NA	NA	NA	3311.58	Sampled
MW-5	09/19/16	3363.67	63.81	ND	52.10	ND	NA	NA	NA	3311.57	Sampled
MW-5	12/14/16	3363.67	63.81	ND	52.01	ND	NA	NA	NA	3311.66	Sampled
MW-5	05/08/17	3363.67	63.81	ND	51.83	ND	NA	NA	NA	3311.84	Sampled
MW-5	09/14/17	3363.67	63.81	ND	51.85	ND	NA	NA	NA	3311.82	Sampled
MW-5	11/28/17	3363.67	63.81	ND	51.80	ND	NA	NA	NA	3311.87	Sampled
MW-5	03/06/18	3363.67	63.81	ND	51.70	ND	NA	NA	NA	3311.97	Sampled
MW-5	06/12/18	3363.67	63.81	ND	51.58	ND	NA	NA	NA	3312.09	Sampled
MW-5	09/05/18	3363.67	63.81	ND	51.56	ND	NA	NA	NA	3312.11	Sampled
MW-5	11/27/18	3363.67	63.81	ND	51.47	ND	NA	NA	NA	3312.20	Sampled
MW-5	02/13/19	3363.67	63.81	ND	51.40	ND	NA	NA	NA	3312.27	Sampled
MW-5	05/08/19	3363.67	63.81	ND	51.12	ND	NA	NA	NA	3312.55	Sampled
MW-5	08/21/19	3363.67	63.81	ND	51.16	ND	NA	NA	NA	3312.51	Sampled
MW-5	11/05/19	3363.67	63.81	ND	51.12	ND	NA	NA	NA	3312.55	Sampled
MW-5	03/17/20	3363.67	63.81	ND	50.93	ND	NA	NA	NA	3312.74	Sampled
MW-5	06/16/20	3363.67	63.81	ND	50.91	ND	NA	NA	NA	3312.76	Sampled
MW-5	09/16/20	3363.67	63.81	ND	50.94	ND	NA	NA	NA	3312.73	Sampled
MW-5	12/22/20	3363.67	63.81	ND	50.82	ND	NA	NA	NA	3312.85	Sampled
MW-6	12/06/06	3362.6	63.44	ND	50.48	ND	NA	NA	NA	3312.12	Sampled
MW-6	12/13/06	3362.6	NG	ND	50.50	ND	NA	NA	NA	3312.10	
MW-6	12/27/06	3362.6	NG	ND	50.33	ND	NA	NA	NA	3312.27	
MW-6	01/03/07	3362.6	NG	ND	50.46	ND	NA	NA	NA	3312.14	
MW-6	01/09/07	3362.6	NG	ND	50.48	ND	NA	NA	NA	3312.12	
MW-6	01/18/07	3362.6	NG	ND	50.38	ND	NA	NA	NA	3312.22	
MW-6	01/22/07	3362.6	NG	ND	50.30	ND	NA	NA	NA	3312.30	
MW-6	02/01/07	3362.6	NG	ND	50.23	ND	NA	NA	NA	3312.37	
MW-6	02/07/07	3362.6	NG	ND	50.36	ND	NA	NA	NA	3312.24	
MW-6	02/14/07	3362.6	NG	ND	50.36	ND	NA	NA	NA	3312.24	
MW-6	02/21/07	3362.6	NG	ND	50.37	ND	NA	NA	NA	3312.23	
MW-6	02/28/07	3362.6	63.56	ND	50.21	ND	NA	NA	NA	3312.39	Sampled
MW-6	03/07/07	3362.6	NG	ND	50.30	ND	NA	NA	NA	3312.30	
MW-6	04/03/07	3362.6	NG	ND	50.28	ND	NA	NA	NA	3312.32	
MW-6	05/03/07	3362.6	NG	ND	50.15	ND	NA	NA	NA	3312.45	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-6	05/30/07	3362.6	63.59	ND	50.22	ND	NA	NA	NA	3312.38	Sampled
MW-6	06/06/07	3362.6	63.59	ND	50.13	ND	NA	NA	NA	3312.47	
MW-6	07/05/07	3362.6	63.60	ND	50.15	ND	NA	NA	NA	3312.45	
MW-6	07/31/07	3362.6	63.60	ND	50.20	ND	NA	NA	NA	3312.40	
MW-6	09/06/07	3362.6	63.59	ND	50.10	ND	NA	NA	NA	3312.50	Sampled
MW-6	09/10/07	3362.6	63.12	ND	50.12	ND	NA	NA	NA	3312.48	
MW-6	11/13/07	3362.6	63.58	ND	50.20	ND	NA	NA	NA	3312.40	Sampled
MW-6	12/27/07	3362.6	63.58	ND	50.14	ND	NA	NA	NA	3312.46	
MW-6	01/09/08	3362.6	63.58	ND	50.11	ND	NA	NA	NA	3312.49	
MW-6	02/06/08	3362.6	63.58	ND	50.13	ND	NA	NA	NA	3312.47	
MW-6	02/27/08	3362.6	63.41	ND	50.25	ND	NA	NA	NA	3312.35	Sampled
MW-6	04/02/08	3362.6	63.41	ND	50.10	ND	NA	NA	NA	3312.50	
MW-6	05/28/08	3362.6	63.45	ND	50.25	ND	NA	NA	NA	3312.35	Sampled
MW-6	06/18/08	3362.6	63.45	ND	50.30	ND	NA	NA	NA	3312.30	
MW-6	07/07/08	3362.6	63.45	ND	50.27	ND	NA	NA	NA	3312.33	
MW-6	08/18/08	3362.6	63.60	ND	50.26	ND	NA	NA	NA	3312.34	Sampled
MW-6	10/29/08	3362.6	63.57	ND	50.31	ND	NA	NA	NA	3312.29	
MW-6	11/19/08	3362.6	63.57	ND	50.36	ND	NA	NA	NA	3312.24	Sampled
MW-6	12/21/08	3362.6	63.57	ND	50.42	ND	NA	NA	NA	3312.18	
MW-6	01/07/09	3362.6	63.43	ND	50.27	ND	NA	NA	NA	3312.33	
MW-6	02/04/09	3362.6	63.44	ND	50.36	ND	NA	NA	NA	3312.24	
MW-6	02/17/09	3362.6	63.44	ND	50.35	ND	NA	NA	NA	3312.25	Sampled
MW-6	03/04/09	3362.6	63.42	ND	50.29	ND	NA	NA	NA	3312.31	
MW-6	04/08/09	3362.6	63.42	ND	50.34	ND	NA	NA	NA	3312.26	
MW-6	05/06/09	3362.6	63.42	ND	50.39	ND	NA	NA	NA	3312.21	
MW-6	05/19/09	3362.6	63.42	ND	50.41	ND	NA	NA	NA	3312.19	Sampled
MW-6	06/03/09	3362.6	63.42	ND	50.45	ND	NA	NA	NA	3312.15	
MW-6	07/15/09	3362.6	63.42	ND	50.47	ND	NA	NA	NA	3312.13	
MW-6	08/05/09	3362.6	63.42	ND	50.49	ND	NA	NA	NA	3312.11	
MW-6	08/26/09	3362.6	63.41	ND	50.56	ND	NA	NA	NA	3312.04	Sampled
MW-6	09/02/09	3362.6	63.41	ND	50.45	ND	NA	NA	NA	3312.15	
MW-6	10/07/09	3362.6	63.41	ND	50.53	ND	NA	NA	NA	3312.07	
MW-6	11/04/09	3362.6	63.41	ND	50.57	ND	NA	NA	NA	3312.03	
MW-6	11/18/09	3362.6	63.41	ND	50.54	ND	NA	NA	NA	3312.06	Sampled
MW-6	12/02/09	3362.6	63.41	ND	50.58	ND	NA	NA	NA	3312.02	
MW-6	01/06/10	3362.6	63.41	ND	50.51	ND	NA	NA	NA	3312.09	
MW-6	02/11/10	3362.6	63.41	ND	50.50	ND	NA	NA	NA	3312.10	Sampled
MW-6	03/10/10	3362.6	63.41	ND	50.42	ND	NA	NA	NA	3312.18	
MW-6	04/07/10	3362.6	63.41	ND	50.50	ND	NA	NA	NA	3312.10	
MW-6	05/05/10	3362.6	63.41	ND	50.48	ND	NA	NA	NA	3312.12	
MW-6	05/11/10	3362.6	63.41	ND	50.38	ND	NA	NA	NA	3312.22	Sampled
MW-6	06/02/10	3362.6	63.41	ND	50.39	ND	NA	NA	NA	3312.21	
MW-6	07/07/10	3362.6	63.41	ND	50.46	ND	NA	NA	NA	3312.14	
MW-6	08/03/10	3362.6	63.41	ND	50.38	ND	NA	NA	NA	3312.22	
MW-6	08/26/10	3362.6	63.41	ND	50.35	ND	NA	NA	NA	3312.25	Sampled
MW-6	09/01/10	3362.6	63.41	ND	50.37	ND	NA	NA	NA	3312.23	
MW-6	10/13/10	3362.6	63.41	ND	50.46	ND	NA	NA	NA	3312.14	
MW-6	11/18/10	3362.6	63.41	ND	50.42	ND	NA	NA	NA	3312.18	Sampled
MW-6	11/23/10	3362.6	63.41	ND	50.38	ND	NA	NA	NA	3312.22	
MW-6	12/08/10	3362.6	63.41	ND	50.42	ND	NA	NA	NA	3312.18	
MW-6	01/12/11	3362.6	63.41	ND	50.42	ND	NA	NA	NA	3312.18	
MW-6	02/08/11	3362.6	63.41	ND	50.26	ND	NA	NA	NA	3312.34	
MW-6	02/23/11	3362.6	63.41	ND	50.30	ND	NA	NA	NA	3312.30	Sampled
MW-6	03/08/11	3362.6	63.41	ND	50.30	ND	NA	NA	NA	3312.30	
MW-6	04/13/11	3362.6	63.41	ND	50.30	ND	NA	NA	NA	3312.30	
MW-6	06/01/11	3362.6	63.41	ND	50.34	ND	NA	NA	NA	3312.26	Sampled
MW-6	07/27/11	3362.6	63.41	ND	50.35	ND	NA	NA	NA	3312.25	
MW-6	08/30/11	3362.6	63.41	ND	50.45	ND	NA	NA	NA	3312.15	Sampled
MW-6	09/14/11	3362.6	63.41	ND	50.51	ND	NA	NA	NA	3312.09	
MW-6	10/12/11	3362.6	63.41	ND	50.49	ND	NA	NA	NA	3312.11	
MW-6	11/28/11	3362.6	63.41	ND	50.47	ND	NA	NA	NA	3312.13	Sampled
MW-6	12/27/11	3362.6	63.41	ND	50.51	ND	NA	NA	NA	3312.09	
MW-6	01/18/12	3362.6	63.41	ND	50.53	ND	NA	NA	NA	3312.07	
MW-6	02/02/12	3362.6	63.41	ND	50.43	ND	NA	NA	NA	3312.17	
MW-6	02/15/12	3362.6	63.41	ND	50.47	ND	NA	NA	NA	3312.13	
MW-6	02/22/12	3362.6	63.41	ND	50.39	ND	NA	NA	NA	3312.21	Sampled
MW-6	04/26/12	3362.6	63.41	ND	50.41	ND	NA	NA	NA	3312.19	
MW-6	05/22/12	3362.6	63.41	ND	50.38	ND	NA	NA	NA	3312.22	Sampled
MW-6	07/18/12	3362.6	63.41	ND	50.57	ND	NA	NA	NA	3312.03	
MW-6	09/11/12	3362.6	63.41	ND	50.60	ND	NA	NA	NA	3312.00	
MW-6	11/26/12	3362.6	63.41	ND	50.66	ND	NA	NA	NA	3311.94	Sampled
MW-6	02/27/13	3362.6	63.41	ND	50.67	ND	NA	NA	NA	3311.93	Sampled
MW-6	06/11/13	3362.6	63.41	ND	50.76	ND	NA	NA	NA	3311.84	Sampled
MW-6	08/14/13	3362.6	63.41	ND	50.85	ND	NA	NA	NA	3311.75	
MW-6	09/10/13	3362.6	63.41	ND	50.91	ND	NA	NA	NA	3311.69	
MW-6	11/06/13	3362.6	63.50	ND	50.94	ND	NA	NA	NA	3311.66	
MW-6	02/26/14	3362.6	63.50	ND	50.88	ND	NA	NA	NA	3311.72	
MW-6	03/05/14	3362.6	63.50	ND	50.91	ND	NA	NA	NA	3311.69	Sampled
MW-6	06/03/14	3362.6	63.50	ND	50.90	ND	NA	NA	NA	3311.70	Sampled
MW-6	09/17/14	3362.6	63.50	ND	51.06	ND	NA	NA	NA	3311.54	Sampled
MW-6	11/12/14	3362.6	63.50	ND	51.12	ND	NA	NA	NA	3311.48	Sampled
MW-6	02/25/15	3362.6	63.50	ND	50.97	ND	NA	NA	NA	3311.63	Sampled
MW-6	06/16/15	3362.6	63.50	ND	51.11	ND	NA	NA	NA	3311.49	Sampled
MW-6	08/26/15	3362.6	63.50	ND	51.16	ND	NA	NA	NA	3311.44	Sampled

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-6	11/17/15	3362.6	63.50	ND	51.12	ND	NA	NA	NA	3311.48	Sampled
MW-6	03/08/16	3362.6	63.50	ND	51.02	ND	NA	NA	NA	3311.58	Sampled
MW-6	05/17/16	3362.6	63.50	ND	50.97	ND	NA	NA	NA	3311.63	Sampled
MW-6	09/19/16	3362.6	63.50	ND	51.17	ND	NA	NA	NA	3311.43	Sampled
MW-6	12/14/16	3362.6	63.50	ND	50.85	ND	NA	NA	NA	3311.75	Sampled
MW-6	05/08/17	3362.6	63.50	ND	50.70	ND	NA	NA	NA	3311.90	Sampled
MW-6	09/14/17	3362.6	63.50	ND	50.72	ND	NA	NA	NA	3311.88	Sampled
MW-6	11/28/17	3362.6	63.50	ND	50.49	ND	NA	NA	NA	3312.11	Sampled
MW-6	03/06/18	3362.6	63.50	ND	50.54	ND	NA	NA	NA	3312.06	Sampled
MW-6	06/12/18	3362.6	63.50	ND	50.41	ND	NA	NA	NA	3312.19	Sampled
MW-6	09/05/18	3362.6	63.50	ND	50.39	ND	NA	NA	NA	3312.21	Sampled
MW-6	11/27/18	3362.6	63.50	ND	50.22	ND	NA	NA	NA	3312.38	Sampled
MW-6	02/12/19	3362.6	63.50	ND	50.15	ND	NA	NA	NA	3312.45	Sampled
MW-6	05/08/19	3362.6	63.50	ND	49.95	ND	NA	NA	NA	3312.65	Sampled
MW-6	08/21/19	3362.6	63.50	ND	49.95	ND	NA	NA	NA	3312.65	Sampled
MW-6	11/05/19	3362.6	63.50	ND	49.96	ND	NA	NA	NA	3312.64	Sampled
MW-6	03/17/20	3362.6	63.50	ND	49.74	ND	NA	NA	NA	3312.86	Sampled
MW-6	06/16/20	3362.6	63.50	ND	49.67	ND	NA	NA	NA	3312.93	Sampled
MW-6	09/16/20	3362.6	63.50	ND	49.72	ND	NA	NA	NA	3312.88	Sampled
MW-6	12/22/20	3362.6	63.50	ND	49.64	ND	NA	NA	NA	3312.96	Sampled
MW-7	12/06/06	3362.75	63.88	ND	50.62	ND	NA	NA	NA	3312.13	Sampled
MW-7	12/13/06	3362.75	NG	ND	50.64	ND	NA	NA	NA	3312.11	
MW-7	12/27/06	3362.75	NG	ND	50.54	ND	NA	NA	NA	3312.21	
MW-7	01/03/07	3362.75	NG	ND	50.63	ND	NA	NA	NA	3312.12	
MW-7	01/09/07	3362.75	NG	ND	50.66	ND	NA	NA	NA	3312.09	
MW-7	01/18/07	3362.75	NG	ND	50.57	ND	NA	NA	NA	3312.18	
MW-7	01/22/07	3362.75	NG	ND	50.46	ND	NA	NA	NA	3312.29	
MW-7	02/01/07	3362.75	NG	ND	50.41	ND	NA	NA	NA	3312.34	
MW-7	02/07/07	3362.75	NG	ND	50.58	ND	NA	NA	NA	3312.17	
MW-7	02/14/07	3362.75	NG	ND	50.56	ND	NA	NA	NA	3312.19	
MW-7	02/21/07	3362.75	NG	ND	50.54	ND	NA	NA	NA	3312.21	
MW-7	02/28/07	3362.75	63.75	ND	50.41	ND	NA	NA	NA	3312.34	Sampled
MW-7	03/07/07	3362.75	NG	ND	50.50	ND	NA	NA	NA	3312.25	
MW-7	04/03/07	3362.75	NG	ND	50.49	ND	NA	NA	NA	3312.26	
MW-7	05/30/07	3362.75	63.77	ND	50.43	ND	NA	NA	NA	3312.32	Sampled
MW-7	06/06/07	3362.75	63.77	ND	50.32	ND	NA	NA	NA	3312.43	
MW-7	07/05/07	3362.75	63.70	ND	50.31	ND	NA	NA	NA	3312.44	
MW-7	07/31/07	3362.75	63.70	ND	50.34	ND	NA	NA	NA	3312.41	
MW-7	09/06/07	3362.75	63.70	ND	50.28	ND	NA	NA	NA	3312.47	Sampled
MW-7	09/10/07	3362.75	63.71	ND	50.33	ND	NA	NA	NA	3312.42	
MW-7	11/13/07	3362.75	63.72	ND	50.36	ND	NA	NA	NA	3312.39	Sampled
MW-7	12/27/07	3362.75	63.72	ND	50.32	ND	NA	NA	NA	3312.43	
MW-7	01/09/08	3362.75	63.74	ND	50.25	ND	NA	NA	NA	3312.50	
MW-7	02/06/08	3362.75	63.74	ND	50.20	ND	NA	NA	NA	3312.55	
MW-7	02/27/08	3362.75	63.75	ND	50.45	ND	NA	NA	NA	3312.30	Sampled
MW-7	04/02/08	3362.75	63.75	ND	50.28	ND	NA	NA	NA	3312.47	
MW-7	05/28/08	3362.75	63.68	ND	50.42	ND	NA	NA	NA	3312.33	Sampled
MW-7	06/18/08	3362.75	63.68	ND	50.48	ND	NA	NA	NA	3312.27	
MW-7	07/07/08	3362.75	63.68	ND	50.42	ND	NA	NA	NA	3312.33	
MW-7	08/18/08	3362.75	63.58	ND	50.47	ND	NA	NA	NA	3312.28	Sampled
MW-7	10/29/08	3362.75	63.76	ND	50.53	ND	NA	NA	NA	3312.22	
MW-7	11/19/08	3362.75	63.76	ND	50.53	ND	NA	NA	NA	3312.22	Sampled
MW-7	12/21/08	3362.75	63.76	ND	50.57	ND	NA	NA	NA	3312.18	
MW-7	01/07/09	3362.75	63.73	ND	50.45	ND	NA	NA	NA	3312.30	
MW-7	02/04/09	3362.75	63.61	ND	50.53	ND	NA	NA	NA	3312.22	
MW-7	02/17/09	3362.75	63.60	ND	50.51	ND	NA	NA	NA	3312.24	Sampled
MW-7	03/04/09	3362.75	63.77	ND	50.47	ND	NA	NA	NA	3312.28	
MW-7	04/08/09	3362.75	63.77	ND	50.52	ND	NA	NA	NA	3312.23	
MW-7	05/06/09	3362.75	63.77	ND	50.57	ND	NA	NA	NA	3312.18	
MW-7	05/19/09	3362.75	63.77	ND	50.60	ND	NA	NA	NA	3312.15	Sampled
MW-7	06/03/09	3362.75	63.77	ND	50.65	ND	NA	NA	NA	3312.10	
MW-7	07/15/09	3362.75	63.77	ND	50.66	ND	NA	NA	NA	3312.09	
MW-7	08/05/09	3362.75	63.77	ND	50.68	ND	NA	NA	NA	3312.07	
MW-7	08/26/09	3362.75	63.59	ND	50.70	ND	NA	NA	NA	3312.05	Sampled
MW-7	09/02/09	3362.75	63.59	ND	50.69	ND	NA	NA	NA	3312.06	
MW-7	10/07/09	3362.75	63.59	ND	50.69	ND	NA	NA	NA	3312.06	
MW-7	11/04/09	3362.75	63.59	ND	50.75	ND	NA	NA	NA	3312.00	
MW-7	11/18/09	3362.75	63.59	ND	50.70	ND	NA	NA	NA	3312.05	Sampled
MW-7	12/02/09	3362.75	63.59	ND	50.77	ND	NA	NA	NA	3311.98	
MW-7	01/06/10	3362.75	63.59	ND	50.69	ND	NA	NA	NA	3312.06	
MW-7	02/11/10	3362.75	63.59	ND	50.67	ND	NA	NA	NA	3312.08	Sampled
MW-7	03/10/10	3362.75	63.59	ND	50.61	ND	NA	NA	NA	3312.14	
MW-7	04/07/10	3362.75	63.59	ND	DNG	ND	NA	NA	NA	DNG	
MW-7	05/05/10	3362.75	63.59	ND	50.65	ND	NA	NA	NA	3312.10	
MW-7	05/11/10	3362.75	63.59	ND	50.54	ND	NA	NA	NA	3312.21	Sampled
MW-7	06/02/10	3362.75	63.59	ND	50.56	ND	NA	NA	NA	3312.19	
MW-7	07/07/10	3362.75	63.59	ND	50.58	ND	NA	NA	NA	3312.17	
MW-7	08/03/10	3362.75	63.59	ND	50.56	ND	NA	NA	NA	3312.19	
MW-7	08/26/10	3362.75	63.59	ND	50.58	ND	NA	NA	NA	3312.17	Sampled
MW-7	09/01/10	3362.75	63.59	ND	50.51	ND	NA	NA	NA	3312.24	
MW-7	10/13/10	3362.75	63.59	ND	50.66	ND	NA	NA	NA	3312.09	
MW-7	11/18/10	3362.75	63.59	ND	50.56	ND	NA	NA	NA	3312.19	Sampled
MW-7	11/23/10	3362.75	63.59	ND	50.57	ND	NA	NA	NA	3312.18	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
MW-7	12/08/10	3362.75	63.59	ND	50.63	ND	NA	NA	NA	3312.12	
MW-7	01/12/11	3362.75	63.59	ND	50.60	ND	NA	NA	NA	3312.15	
MW-7	02/08/11	3362.75	63.59	ND	50.45	ND	NA	NA	NA	3312.30	
MW-7	02/23/11	3362.75	63.59	ND	50.49	ND	NA	NA	NA	3312.26	Sampled
MW-7	03/08/11	3362.75	63.59	ND	50.49	ND	NA	NA	NA	3312.26	
MW-7	04/13/11	3362.75	63.59	ND	50.47	ND	NA	NA	NA	3312.28	
MW-7	06/01/11	3362.75	63.59	ND	50.53	ND	NA	NA	NA	3312.22	Sampled
MW-7	07/27/11	3362.75	63.59	ND	50.55	ND	NA	NA	NA	3312.20	
MW-7	08/30/11	3362.75	63.59	ND	50.59	ND	NA	NA	NA	3312.16	Sampled
MW-7	09/14/11	3362.75	63.59	ND	50.68	ND	NA	NA	NA	3312.07	
MW-7	10/12/11	3362.75	63.59	ND	50.66	ND	NA	NA	NA	3312.09	
MW-7	11/28/11	3362.75	63.59	ND	50.66	ND	NA	NA	NA	3312.09	Sampled
MW-7	12/27/11	3362.75	63.59	ND	50.68	ND	NA	NA	NA	3312.07	
MW-7	01/18/12	3362.75	63.59	ND	50.69	ND	NA	NA	NA	3312.06	
MW-7	02/02/12	3362.75	63.59	ND	50.58	ND	NA	NA	NA	3312.17	
MW-7	02/15/12	3362.75	63.59	ND	50.68	ND	NA	NA	NA	3312.07	
MW-7	02/22/12	3362.75	63.59	ND	50.59	ND	NA	NA	NA	3312.16	Sampled
MW-7	04/26/12	3362.75	63.59	ND	50.60	ND	NA	NA	NA	3312.15	
MW-7	05/22/12	3362.75	63.59	ND	50.53	ND	NA	NA	NA	3312.22	Sampled
MW-7	07/18/12	3362.75	63.59	ND	50.76	ND	NA	NA	NA	3311.99	
MW-7	09/11/12	3362.75	63.59	ND	50.78	ND	NA	NA	NA	3311.97	
MW-7	11/26/12	3362.75	63.59	ND	50.84	ND	NA	NA	NA	3311.91	
MW-7	02/27/13	3362.75	63.59	ND	50.94	ND	NA	NA	NA	3311.81	
MW-7	06/11/13	3362.75	63.59	ND	50.94	ND	NA	NA	NA	3311.81	
MW-7	08/14/13	3362.75	63.59	ND	51.03	ND	NA	NA	NA	3311.72	
MW-7	09/10/13	3362.75	63.59	ND	51.08	ND	NA	NA	NA	3311.67	
MW-7	11/06/13	3362.75	63.65	ND	51.10	ND	NA	NA	NA	3311.65	
MW-7	02/26/14	3362.75	63.65	ND	51.03	ND	NA	NA	NA	3311.72	
MW-7	03/05/14	3362.75	63.65	ND	51.08	ND	NA	NA	NA	3311.67	Sampled
MW-7	06/03/14	3362.75	63.65	ND	51.09	ND	NA	NA	NA	3311.66	Sampled
MW-7	09/17/14	3362.75	63.75	ND	51.23	ND	NA	NA	NA	3311.52	Sampled
MW-7	11/12/14	3362.75	63.75	ND	51.29	ND	NA	NA	NA	3311.46	Sampled
MW-7	02/25/15	3362.75	63.75	ND	51.15	ND	NA	NA	NA	3311.60	Sampled
MW-7	06/16/15	3362.75	63.75	ND	51.28	ND	NA	NA	NA	3311.47	Sampled
MW-7	08/26/15	3362.75	63.75	ND	51.35	ND	NA	NA	NA	3311.40	Sampled
MW-7	11/17/15	3362.75	63.75	ND	51.32	ND	NA	NA	NA	3311.43	Sampled
MW-7	03/08/16	3362.75	63.75	ND	51.16	ND	NA	NA	NA	3311.59	Sampled
MW-7	05/17/16	3362.75	68.56	ND	51.13	ND	NA	NA	NA	3311.62	Sampled
MW-7	09/19/16	3362.75	63.75	ND	51.13	ND	NA	NA	NA	3311.62	Sampled
MW-7	12/14/16	3362.75	63.75	ND	51.03	ND	NA	NA	NA	3311.72	Sampled
MW-7	05/08/17	3362.75	63.75	ND	50.89	ND	NA	NA	NA	3311.86	Sampled
MW-7	09/14/17	3362.75	63.75	ND	50.90	ND	NA	NA	NA	3311.85	Sampled
MW-7	11/28/17	3362.75	63.75	ND	50.85	ND	NA	NA	NA	3311.90	Sampled
MW-7	03/06/18	3362.75	63.75	ND	50.71	ND	NA	NA	NA	3312.04	Sampled
MW-7	06/12/18	3362.75	63.75	ND	50.58	ND	NA	NA	NA	3312.17	
MW-7	09/05/18	3362.75	63.75	ND	50.58	ND	NA	NA	NA	3312.17	Sampled
MW-7	11/27/18	3362.75	63.75	ND	50.45	ND	NA	NA	NA	3312.30	Sampled
MW-7	02/12/19	3362.75	63.75	ND	50.39	ND	NA	NA	NA	3312.36	Sampled
MW-7	05/08/19	3362.75	63.75	ND	50.13	ND	NA	NA	NA	3312.62	Sampled
MW-7	08/21/19	3362.75	63.75	ND	50.16	ND	NA	NA	NA	3312.59	Sampled
MW-7	11/05/19	3362.75	63.75	ND	50.12	ND	NA	NA	NA	3312.63	Sampled
MW-7	03/17/20	3362.75	63.75	ND	49.93	ND	NA	NA	NA	3312.82	Sampled
MW-7	06/16/20	3362.75	63.75	ND	49.88	ND	NA	NA	NA	3312.87	Sampled
MW-7	09/16/20	3362.75	63.75	ND	49.93	ND	NA	NA	NA	3312.82	Sampled
MW-7	12/22/20	3362.75	63.75	ND	49.84	ND	NA	NA	NA	3312.91	Sampled
RW-1	04/13/06	3348.04	NG	35.62	35.65	0.03	NA	NA	NA	3312.42	After Bailing
RW-1	04/25/06	3348.04	NG	35.68	36.01	0.33	Hand Bailed	0.50	0.00	3312.31	
RW-1	04/25/06	3348.04	NG	36.15	36.19	0.04	NA	NA	NA	3311.88	
RW-1	05/03/06	3348.04	NG	35.56	35.59	0.03	Hand Bailed	0.25	0.00	3312.48	
RW-1	05/03/06	3348.04	NG	35.51	35.53	0.02	NA	NA	NA	3312.53	
RW-1	05/11/06	3348.04	NG	ND	35.64	ND	Hand Bailed			3312.40	
RW-1	05/11/06	3348.04	NG	ND	35.78	ND	NA	NA	NA	3312.26	
RW-1	05/24/06	3348.04	NG	35.80	35.84	0.04	Hand Bailed	0.05	0.00	3312.23	
RW-1	05/24/06	3348.04	NG	ND	36.81	ND	NA	NA	NA	3311.23	
RW-1	06/07/06	3348.04	NG	35.81	35.82	0.01	Hand Bailed	0.01	0.00	3312.23	
RW-1	06/07/06	3348.04	NG	ND	36.90	ND	NA	NA	NA	3311.14	
RW-1	06/15/06	3348.04	NG	ND	35.68	ND	NA	NA	NA	3312.36	
RW-1	06/29/06	3348.04	NG	35.70	36.00	0.30	Hand Bailed	0.25	0.00	3312.30	
RW-1	06/29/06	3348.04	NG	ND	36.25	ND	NA	NA	NA	3311.79	
RW-1	07/11/06	3348.04	NG	35.84	35.89	0.05	NA	NA	NA	3312.19	
RW-1	07/25/06	3348.04	NG	35.89	36.02	0.13	NA	NA	NA	3312.13	
RW-1	08/09/06	3348.04	47.40	35.90	36.10	0.20	NA	NA	NA	3312.11	
RW-1	08/22/06	3348.04	NG	35.60	36.00	0.40	Hand Bailed	0.75	9.25	3312.38	
RW-1	08/22/06	3348.04	NG	36.70	36.74	0.04	NA	NA	NA	3311.33	
RW-1	09/12/06	3348.04	47.62	35.70	36.33	0.63	NA	NA	NA	3312.25	
RW-1	09/19/06	3348.04	NG	35.64	36.18	0.54	Hand Bailed	0.25	4.75	3312.32	
RW-1	09/19/06	3348.04	NG	36.15	36.20	0.05	NA	NA	NA	3311.88	
RW-1	10/03/06	3348.04	NG	35.48	35.49	0.01	Hand Bailed	0.10	9.90	3312.56	
RW-1	10/03/06	3348.04	NG	ND	35.59	ND	NA	NA	NA	3312.45	Installed Sock
RW-1	10/17/06	3348.04	NG	35.66	35.70	0.04	Hand Bailed	0.10	4.90	3312.37	
RW-1	10/17/06	3348.04	NG	ND	35.83	ND	NA	NA	NA	3312.21	Sock
RW-1	10/31/06	3348.04	NG	35.60	35.64	0.04	Hand Bailed	0.10	4.90	3312.43	

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Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	10/31/06	3348.04	NG	ND	35.72	ND	NA	NA	NA	3312.32	Sock
RW-1	11/15/06	3348.04	NG	50.56	50.68	0.12	Hand Bailed	0.10	9.90	3297.46	
RW-1	11/15/06	3348.04	NG	ND	50.65	ND	NA	NA	NA	3297.39	
RW-1	12/06/06	3360.67	NG	50.52	50.74	0.22		0.10	9.90	3310.12	Installed Sock
RW-1	12/13/06	3360.67	NG	50.48	50.79	0.31	Hand Bailed	0.25	4.75	3310.14	
RW-1	12/13/06	3360.67	NG	ND	51.90	ND	NA	NA	NA	3308.77	
RW-1	12/20/06	3360.67	NG	ND	50.76	ND	NA	NA	NA	3309.91	Removed sock
RW-1	12/27/06	3360.67	NG	50.44	50.48	0.04	Hand Bailed	0.10	4.90	3310.22	
RW-1	12/27/06	3360.67	NG	ND	51.62	ND	NA	NA	NA	3309.05	No Sock
RW-1	01/03/07	3360.67	NG	50.50	50.58	0.08	Hand Bailed	0.25	0.75	3310.16	
RW-1	01/03/07	3360.67	NG	ND	52.13	ND	NA	NA	NA	3308.54	Installed Sock
RW-1	01/09/07	3360.67	NG	ND	50.73	ND	Hand Bailed	0.10	5.00	3309.94	
RW-1	01/09/07	3360.67	NG	ND	52.22	ND	NA	NA	NA	3308.45	Flipped Sock
RW-1	01/18/07	3360.67	NG	ND	50.65	ND	Hand Bailed	0.10	9.90	3310.02	
RW-1	01/18/07	3360.67	NG	ND	50.48	ND	NA	NA	NA	3310.19	Sock
RW-1	01/22/07	3360.67	NG	ND	50.75	ND	NA	NA	NA	3309.92	
RW-1	02/01/07	3360.67	NG	ND	50.62	ND	Hand Bailed	0.10	9.90	3310.05	
RW-1	02/01/07	3360.67	NG	ND	51.99	ND	NA	NA	NA	3308.68	New sock
RW-1	02/07/07	3360.67	NG	ND	50.77	ND	Hand Bailed	0.10	9.90	3309.90	
RW-1	02/07/07	3360.67	NG	ND	51.76	ND	NA	NA	NA	3308.91	Flipped Sock
RW-1	02/14/07	3360.67	NG	ND	50.75	ND	Hand Bailed	0.10	9.90	3309.92	
RW-1	02/14/07	3360.67	NG	ND	51.82	ND	NA	NA	NA	3308.85	Sock
RW-1	02/21/07	3360.67	NG	ND	50.77	ND	Hand Bailed	0.10	9.90	3309.90	
RW-1	02/21/07	3360.67	NG	ND	51.96	ND	NA	NA	NA	3308.71	Sock
RW-1	02/28/07	3360.67	NG	ND	51.96	ND	NA	NA	NA	3308.71	
RW-1	03/07/07	3360.67	NG	ND	50.77	ND	NA	NA	NA	3309.90	New sock
RW-1	03/14/07	3360.67	NG	ND	50.62	ND	NA	NA	NA	3310.05	Sock
RW-1	03/21/07	3360.67	NG	ND	50.60	ND	NA	NA	NA	3310.07	Sock
RW-1	03/28/07	3360.67	NG	ND	50.63	ND	NA	NA	NA	3310.04	New sock
RW-1	04/03/07	3360.67	NG	ND	50.38	ND	NA	NA	NA	3310.29	Sock
RW-1	04/10/07	3360.67	NG	ND	50.43	ND	NA	NA	NA	3310.24	Sock
RW-1	04/18/07	3360.67	NG	ND	50.35	ND	NA	NA	NA	3310.32	Sock
RW-1	04/24/07	3360.67	NG	ND	50.50	ND	NA	NA	NA	3310.17	Sock
RW-1	05/03/07	3360.67	NG	ND	50.48	ND	NA	NA	NA	3310.19	Sock
RW-1	05/11/07	3360.67	NG	ND	50.33	ND	NA	NA	NA	3310.34	Sock
RW-1	05/16/07	3360.67	NG	ND	50.48	ND	NA	NA	NA	3310.19	Sock
RW-1	05/23/07	3360.67	NG	ND	50.23	ND	NA	NA	NA	3310.44	Flipped Sock
RW-1	06/06/07	3360.67	61.88	ND	50.34	ND	NA	NA	NA	3310.33	Sock
RW-1	06/13/07	3360.67	61.88	ND	50.37	ND	NA	NA	NA	3310.30	Sock
RW-1	06/19/07	3360.67	61.88	ND	50.24	ND	NA	NA	NA	3310.43	Sock
RW-1	06/27/07	3360.67	61.88	ND	50.31	ND	NA	NA	NA	3310.36	Sock
RW-1	07/05/07	3360.67	61.75	50.18	50.20	0.02	NA	NA	NA	3310.49	New sock
RW-1	07/11/07	3360.67	61.75	ND	50.28	ND	NA	NA	NA	3310.39	Sock
RW-1	07/19/07	3360.67	61.75	ND	50.45	ND	NA	NA	NA	3310.22	Sock
RW-1	07/24/07	3360.67	61.75	ND	50.36	ND	NA	NA	NA	3310.31	Sock
RW-1	07/31/07	3360.67	61.73	ND	50.41	ND	NA	NA	NA	3310.26	Sock
RW-1	08/09/07	3360.67	61.73	ND	50.52	ND	NA	NA	NA	3310.15	Sock
RW-1	08/16/07	3360.67	61.73	ND	50.48	ND	NA	NA	NA	3310.19	Sock
RW-1	08/22/07	3360.67	61.73	ND	50.63	ND	NA	NA	NA	3310.04	Sock
RW-1	08/28/07	3360.67	61.73	ND	50.78	ND	NA	NA	NA	3309.89	Sock
RW-1	09/06/07	3360.67	61.73	ND	50.78	ND	NA	NA	NA	3309.89	Sock
RW-1	09/13/07	3360.67	61.75	ND	50.60	ND	NA	NA	NA	3310.07	Sock
RW-1	09/18/07	3360.67	61.75	ND	50.54	ND	NA	NA	NA	3310.13	Sock
RW-1	09/26/07	3360.67	61.75	ND	50.58	ND	NA	NA	NA	3310.09	Sock
RW-1	10/04/07	3360.67	61.75	ND	50.63	ND	NA	NA	NA	3310.04	Sock
RW-1	10/10/07	3360.67	61.73	ND	50.60	ND	NA	NA	NA	3310.07	Sock
RW-1	10/17/07	3360.67	61.73	ND	50.62	ND	NA	NA	NA	3310.05	Sock
RW-1	10/24/07	3360.67	61.73	ND	50.61	ND	NA	NA	NA	3310.06	Sock
RW-1	10/31/07	3360.67	61.73	ND	50.52	ND	NA	NA	NA	3310.15	Sock
RW-1	11/07/07	3360.67	61.73	ND	50.60	ND	NA	NA	NA	3310.07	Sock
RW-1	11/13/07	3360.67	61.73	ND	50.62	ND	NA	NA	NA	3310.05	Sock
RW-1	11/20/07	3360.67	61.73	ND	50.64	ND	NA	NA	NA	3310.03	Sock
RW-1	11/27/07	3360.67	61.73	ND	50.63	ND	NA	NA	NA	3310.04	Sock
RW-1	12/05/07	3360.67	61.73	ND	49.90	ND	NA	NA	NA	3310.77	New sock
RW-1	12/12/07	3360.67	61.73	ND	49.89	ND	NA	NA	NA	3310.78	Sock
RW-1	12/18/07	3360.67	61.73	ND	50.52	ND	NA	NA	NA	3310.15	Sock
RW-1	12/27/07	3360.67	61.73	ND	50.47	ND	NA	NA	NA	3310.20	New sock
RW-1	01/03/08	3360.67	61.73	ND	50.48	ND	NA	NA	NA	3310.19	Sock
RW-1	01/09/08	3360.67	61.73	ND	50.50	ND	NA	NA	NA	3310.17	Sock
RW-1	01/17/08	3360.67	61.73	ND	50.50	ND	NA	NA	NA	3310.17	Sock
RW-1	01/23/08	3360.67	61.73	ND	50.44	ND	NA	NA	NA	3310.23	Sock
RW-1	01/30/08	3360.67	61.73	ND	50.56	ND	NA	NA	NA	3310.11	Sock
RW-1	02/06/08	3360.67	61.73	ND	50.56	ND	NA	NA	NA	3310.11	Sock
RW-1	02/13/08	3360.67	61.73	ND	50.54	ND	NA	NA	NA	3310.13	Sock
RW-1	02/18/08	3360.67	61.73	ND	50.34	ND	Hand Bailed	0.00	20.00	3310.33	
RW-1	02/18/08	3360.67	61.73	ND	53.12	ND	NA	NA	NA	3307.55	Sock
RW-1	02/27/08	3360.67	61.73	ND	50.37	ND	NA	NA	NA	3310.30	Sock
RW-1	03/04/08	3360.67	61.73	ND	50.41	ND	NA	NA	NA	3310.26	Sock
RW-1	03/12/08	3360.67	61.73	ND	50.43	ND	NA	NA	NA	3310.24	Sock
RW-1	03/19/08	3360.67	61.73	ND	50.45	ND	NA	NA	NA	3310.22	Sock
RW-1	03/26/08	3360.67	61.73	ND	50.45	ND	NA	NA	NA	3310.22	Sock
RW-1	04/02/08	3360.67	61.73	ND	50.50	ND	NA	NA	NA	3310.17	Sock
RW-1	04/09/08	3360.67	61.73	ND	50.50	ND	NA	NA	NA	3310.17	Sock
RW-1	04/16/08	3360.67	61.73	ND	50.52	ND	NA	NA	NA	3310.15	Sock

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	04/24/08	3360.67	61.73	ND	50.70	ND	NA	NA	NA	3309.97	Sock
RW-1	04/30/08	3360.67	61.73	ND	50.60	ND	NA	NA	NA	3310.07	Sock
RW-1	05/07/08	3360.67	61.73	ND	50.62	ND	NA	NA	NA	3310.05	Sock
RW-1	05/14/08	3360.67	61.73	ND	50.68	ND	NA	NA	NA	3309.99	Sock
RW-1	05/22/08	3360.67	61.73	ND	50.70	ND	NA	NA	NA	3309.97	Sock
RW-1	05/28/08	3360.67	61.70	ND	50.70	ND	NA	NA	NA	3309.97	Flipped Sock
RW-1	06/04/08	3360.67	61.70	ND	50.75	ND	NA	NA	NA	3309.92	Sock
RW-1	06/11/08	3360.67	61.70	ND	50.80	ND	NA	NA	NA	3309.87	Sock
RW-1	06/18/08	3360.67	61.70	ND	50.84	ND	NA	NA	NA	3309.83	Sock
RW-1	06/26/08	3360.67	61.70	ND	50.90	ND	NA	NA	NA	3309.77	Sock
RW-1	07/02/08	3360.67	61.70	ND	50.91	ND	NA	NA	NA	3309.76	Sock
RW-1	07/07/08	3360.67	61.70	ND	50.73	ND	NA	NA	NA	3309.94	New sock
RW-1	07/16/08	3360.67	61.70	ND	50.77	ND	NA	NA	NA	3309.90	Sock
RW-1	07/22/08	3360.67	61.70	ND	50.81	ND	NA	NA	NA	3309.86	Sock
RW-1	07/29/08	3360.67	61.70	ND	50.85	ND	NA	NA	NA	3309.82	Sock
RW-1	08/06/08	3360.67	61.70	ND	50.82	ND	NA	NA	NA	3309.85	Sock
RW-1	08/13/08	3360.67	61.70	ND	50.80	ND	NA	NA	NA	3309.87	New sock
RW-1	08/18/08	3360.67	61.70	ND	DNG	ND	NA	NA	NA	DNG	Sock
RW-1	08/27/08	3360.67	61.70	ND	50.87	ND	NA	NA	NA	3309.80	Sock
RW-1	09/02/08	3360.67	61.70	ND	50.91	ND	NA	NA	NA	3309.76	Sock
RW-1	09/09/08	3360.67	61.70	ND	50.95	ND	NA	NA	NA	3309.72	Sock
RW-1	09/16/08	3360.67	61.70	ND	50.42	ND	NA	NA	NA	3310.25	Sock
RW-1	09/24/08	3360.67	61.70	ND	50.79	ND	NA	NA	NA	3309.88	Sock
RW-1	10/01/08	3360.67	61.70	ND	50.65	ND	NA	NA	NA	3310.02	Sock
RW-1	10/08/08	3360.67	61.70	ND	50.92	ND	NA	NA	NA	3309.75	Sock
RW-1	10/15/08	3360.67	61.70	50.70	50.73	0.03		0.50	14.50	3309.97	Sock
RW-1	10/22/08	3360.67	61.70	ND	50.52	ND	NA	NA	NA	3310.15	Sock
RW-1	10/29/08	3360.67	61.70	ND	50.55	ND	NA	NA	NA	3310.12	Sock
RW-1	11/05/08	3360.67	61.70	ND	50.56	ND	NA	NA	NA	3310.11	Sock
RW-1	11/12/08	3360.67	61.70	ND	50.52	ND	NA	NA	NA	3310.15	Sock
RW-1	11/19/08	3360.67	61.70	ND	50.64	ND	NA	NA	NA	3310.03	Sock
RW-1	11/26/08	3360.67	61.70	ND	50.56	ND	Pumped	0.00	10.00	3310.11	
RW-1	11/26/08	3360.67	61.70	ND	51.13	ND	NA	NA	NA	3309.54	
RW-1	12/03/08	3360.67	61.70	ND	50.64	ND	Pumped	0.00	10.00	3310.03	
RW-1	12/03/08	3360.67	61.70	ND	51.27	ND	NA	NA	NA	3309.40	
RW-1	12/10/08	3360.67	61.70	ND	50.73	ND	Pumped	0.00	9.00	3309.94	
RW-1	12/10/08	3360.67	61.70	ND	50.72	ND	NA	NA	NA	3309.95	
RW-1	12/17/08	3360.67	61.70	ND	50.79	ND	Pumped	0.00	10.00	3309.88	
RW-1	12/17/08	3360.67	61.70	ND	50.83	ND	NA	NA	NA	3309.84	
RW-1	12/21/08	3360.67	61.70	ND	50.96	ND	NA	NA	NA	3309.71	Sock
RW-1	12/31/08	3360.67	61.70	ND	50.62	ND		0.00	10.00	3310.05	Sock
RW-1	12/31/08	3360.67	61.70	ND	50.60	ND	NA	NA	NA	3310.07	
RW-1	01/07/09	3360.67	61.75	ND	50.54	ND	NA	NA	NA	3310.13	Sock
RW-1	01/15/09	3360.67	61.75	ND	50.58	ND		0.00	10.00	3310.09	Sock
RW-1	01/15/09	3360.67	61.75	ND	51.77	ND	NA	NA	NA	3308.90	Sock
RW-1	01/22/09	3360.67	61.75	ND	50.59	ND		0.00	10.00	3310.08	New Sock
RW-1	01/22/09	3360.67	61.75	ND	51.37	ND	NA	NA	NA	3309.30	
RW-1	01/28/09	3360.67	61.75	ND	50.48	ND		0.00	10.00	3310.19	Flipped Sock
RW-1	01/28/09	3360.67	61.75	ND	52.33	ND	NA	NA	NA	3308.34	
RW-1	02/04/09	3360.67	61.64	ND	50.62	ND	Hand Bailed	0.00	10.00	3310.05	
RW-1	02/04/09	3360.67	61.64	ND	52.01	ND	NA	NA	NA	3308.66	
RW-1	02/11/09	3360.67	61.64	ND	50.55	ND	Hand Bailed	0.00	20.00	3310.12	
RW-1	02/11/09	3360.67	61.64	ND	50.56	ND	NA	NA	NA	3310.11	
RW-1	02/17/09	3360.67	61.64	ND	50.46	ND	Pumped	0.00	10.00	3310.21	
RW-1	02/17/09	3360.67	61.64	ND	50.44	ND	NA	NA	NA	3310.23	
RW-1	02/25/09	3360.67	61.64	ND	50.54	ND	Pumped	0.00	20.00	3310.13	Flipped
RW-1	02/25/09	3360.67	61.64	ND	50.49	ND	NA	NA	NA	3310.18	
RW-1	03/04/09	3360.67	61.65	ND	50.54	ND		0.00	15.00	3310.13	New Sock
RW-1	03/04/09	3360.67	61.65	ND	52.27	ND	NA	NA	NA	3308.40	
RW-1	03/11/09	3360.67	61.65	ND	50.63	ND		0.00	10.00	3310.04	Flipped Sock
RW-1	03/11/09	3360.67	61.65	ND	50.83	ND	NA	NA	NA	3309.84	
RW-1	03/18/09	3360.67	61.65	ND	50.47	ND		0.00	10.00	3310.20	New Sock
RW-1	03/18/09	3360.67	61.65	ND	50.95	ND	NA	NA	NA	3309.72	
RW-1	03/25/09	3360.67	61.65	ND	50.42	ND		0.00	10.00	3310.25	Flipped Sock
RW-1	03/25/09	3360.67	61.65	ND	51.29	ND	NA	NA	NA	3309.38	
RW-1	04/01/09	3360.67	61.65	ND	50.52	ND	NA	NA	NA	3310.15	New Sock
RW-1	04/08/09	3360.67	61.65	ND	50.48	ND	NA	NA	NA	3310.19	
RW-1	04/08/09	3360.67	61.65	ND	51.25	ND	NA	NA	NA	3309.42	
RW-1	04/15/09	3360.67	61.65	ND	50.85	ND	NA	NA	NA	3309.82	
RW-1	04/22/09	3360.67	61.65	ND	50.64	ND	NA	NA	NA	3310.03	
RW-1	04/29/09	3360.67	61.65	ND	50.52	ND	NA	NA	NA	3310.15	
RW-1	05/06/09	3360.67	61.65	ND	50.63	ND	NA	NA	NA	3310.04	
RW-1	05/06/09	3360.67	61.65	ND	52.44	ND	Pumped	0.00	10.00	3308.23	
RW-1	05/14/09	3360.67	61.65	ND	50.75	ND	NA	NA	NA	3309.92	
RW-1	05/19/09	3360.67	61.65	ND	50.56	ND	Pumped	0.00	22.00	3310.11	
RW-1	05/27/09	3360.67	61.65	ND	50.57	ND	NA	NA	NA	3310.10	
RW-1	05/27/09	3360.67	61.65	ND	52.35	ND	Pumped	0.00	10.00	3308.32	
RW-1	06/03/09	3360.67	61.65	ND	50.19	ND	NA	NA	NA	3310.48	
RW-1	06/03/09	3360.67	61.65	ND	50.36	ND	Pumped	0.00	15.00	3310.31	
RW-1	06/11/09	3360.67	61.65	ND	50.56	ND	NA	NA	NA	3310.11	
RW-1	06/11/09	3360.67	61.65	ND	52.03	ND	Pumped	0.00	10.00	3308.64	
RW-1	06/17/09	3360.67	61.65	ND	50.68	ND	NA	NA	NA	3309.99	
RW-1	06/23/09	3360.67	61.65	ND	50.75	ND	NA	NA	NA	3309.92	
RW-1	07/01/09	3360.67	61.65	ND	50.37	ND	NA	NA	NA	3310.30	Flipped Sock

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	07/07/09	3360.67	61.65	ND	51.00	ND	NA	NA	NA	3309.67	
RW-1	07/15/09	3360.67	61.65	ND	51.00	ND	NA	NA	NA	3309.67	New Sock
RW-1	07/29/09	3360.67	61.65	ND	50.80	ND	NA	NA	NA	3309.87	
RW-1	08/05/09	3360.67	61.65	ND	50.73	ND	NA	NA	NA	3309.94	Flipped Sock
RW-1	08/12/09	3360.67	61.65	ND	50.80	ND	NA	NA	NA	3309.87	
RW-1	08/19/09	3360.67	61.65	ND	50.80	ND	NA	NA	NA	3309.87	New Sock
RW-1	08/26/09	3360.67	61.65	ND	50.75	ND	NA	NA	NA	3309.92	
RW-1	09/02/09	3360.67	61.65	ND	50.79	ND	NA	NA	NA	3309.88	
RW-1	09/09/09	3360.67	61.65	ND	50.82	ND	NA	NA	NA	3309.85	
RW-1	09/16/09	3360.67	61.65	ND	50.96	ND	NA	NA	NA	3309.71	
RW-1	09/23/09	3360.67	61.65	ND	50.96	ND	NA	NA	NA	3309.71	New Sock
RW-1	09/30/09	3360.67	61.65	ND	50.77	ND	Pumped	0.00	10.00	3309.90	
RW-1	09/30/09	3360.67	61.65	ND	54.20	ND	NA	NA	NA	3306.47	
RW-1	10/07/09	3360.67	61.65	ND	50.87	ND	NA	NA	NA	3309.80	
RW-1	10/14/09	3360.67	61.65	ND	50.93	ND	NA	NA	NA	3309.74	
RW-1	10/21/09	3360.67	61.65	ND	50.75	ND	NA	NA	NA	3309.92	
RW-1	10/28/09	3360.67	61.65	ND	50.32	ND	Pumped	0.00	20.00	3310.35	
RW-1	10/28/09	3360.67	61.65	ND	50.35	ND	NA	NA	NA	3310.32	
RW-1	11/04/09	3360.67	61.65	50.75	50.79	0.04	Pumped	0.00	10.00	3309.91	
RW-1	11/04/09	3360.67	61.65	ND	51.97	ND	NA	NA	NA	3308.70	
RW-1	11/11/09	3360.67	61.65	50.75	50.81	0.06	Pumped	0.25	9.75	3309.91	
RW-1	11/11/09	3360.67	61.65	ND	52.19	ND	NA	NA	NA	3308.48	
RW-1	11/18/09	3360.67	61.65	50.69	50.75	0.06	Pumped	0.10	19.90	3309.97	
RW-1	11/18/09	3360.67	61.65	ND	51.95	ND	NA	NA	NA	3308.72	
RW-1	11/25/09	3360.67	61.65	50.76	50.83	0.07	Pumped	0.10	9.90	3309.90	
RW-1	11/25/09	3360.67	61.65	ND	51.75	ND	NA	NA	NA	3308.92	
RW-1	12/02/09	3360.67	61.65	50.74	50.80	0.06	Pumped	0.10	9.90	3309.92	
RW-1	12/02/09	3360.67	61.65	ND	53.15	ND	NA	NA	NA	3307.52	
RW-1	12/09/09	3360.67	61.65	50.76	50.82	0.06	Pumped	0.10	9.90	3309.90	
RW-1	12/09/09	3360.67	61.65	ND	51.85	ND	NA	NA	NA	3308.82	
RW-1	12/16/09	3360.67	61.65	50.79	50.85	0.06	Pumped	0.25	9.75	3309.87	
RW-1	12/16/09	3360.67	61.65	ND	51.42	ND	NA	NA	NA	3309.25	
RW-1	12/23/09	3360.67	61.65	50.68	50.75	0.07	Pumped	0.10	9.90	3309.98	
RW-1	12/23/09	3360.67	61.65	ND	52.46	ND	NA	NA	NA	3308.21	
RW-1	12/30/09	3360.67	61.65	50.71	50.80	0.09	Pumped	0.10	9.90	3309.95	
RW-1	12/30/09	3360.67	61.65	ND	51.80	ND	NA	NA	NA	3308.87	
RW-1	01/06/10	3360.67	61.65	50.69	50.76	0.07	Pumped	0.10	9.90	3309.97	
RW-1	01/13/10	3360.67	61.65	50.72	50.78	0.06	Pumped	0.10	9.90	3309.94	
RW-1	01/20/10	3360.67	61.65	50.64	50.69	0.05	Pumped	0.10	9.90	3310.02	
RW-1	01/27/10	3360.67	61.65	50.73	50.88	0.15	Pumped	0.10	9.90	3309.92	
RW-1	02/11/10	3360.67	61.65	50.67	50.80	0.13	Pumped	0.10	9.90	3309.98	
RW-1	02/17/10	3360.67	61.65	50.66	50.73	0.07	Pumped	0.10	9.90	3310.00	
RW-1	02/17/10	3360.67	61.65	ND	52.83	ND	NA	NA	NA	3307.84	
RW-1	03/02/10	3360.67	61.65	50.66	50.69	0.03	Pumped	0.10	9.90	3310.01	
RW-1	03/10/10	3360.67	61.65	50.57	50.64	0.07	Pumped	0.10	9.90	3310.09	
RW-1	03/17/10	3360.67	61.65	50.66	50.72	0.06	Pumped	0.10	9.90	3310.00	
RW-1	03/24/10	3360.67	61.65	50.60	50.62	0.02	Pumped	0.10	9.90	3310.07	
RW-1	03/31/10	3360.67	61.65	50.53	50.56	0.03	NA	NA	NA	3310.14	
RW-1	04/07/10	3360.67	61.65	50.60	50.68	0.08	NA	NA	NA	3310.06	
RW-1	04/14/10	3360.67	61.65	50.55	50.57	0.02	NA	NA	NA	3310.12	
RW-1	04/21/10	3360.67	61.65	50.47	50.61	0.14	Pumped	0.10	9.90	3310.18	
RW-1	04/28/10	3360.67	61.65	ND	50.59	ND	NA	NA	NA	3310.08	
RW-1	05/05/10	3360.67	61.65	50.55	50.65	0.10	hand	0.10	9.90	3310.11	
RW-1	05/11/10	3360.67	61.65	50.48	50.52	0.04	Pumped	0.10	24.90	3310.18	
RW-1	05/19/10	3360.67	61.65	50.55	50.59	0.04	Pumped	0.10	9.90	3310.11	
RW-1	05/29/10	3360.67	61.65	50.56	50.63	0.07	Pumped	0.10	9.90	3310.10	
RW-1	06/02/10	3360.67	61.65	50.52	50.55	0.03	NA	NA	NA	3310.15	
RW-1	06/12/10	3360.67	61.65	50.60	50.65	0.05	NA	NA	NA	3310.06	
RW-1	06/15/10	3360.67	61.65	50.50	50.60	0.10	NA	NA	NA	3310.16	
RW-1	06/25/10	3360.67	61.65	50.56	50.73	0.17	Pumped	<.25	10.00	3310.08	
RW-1	07/07/10	3360.67	61.65	50.60	50.66	0.06	NA	NA	NA	3310.06	
RW-1	07/14/10	3360.67	61.65	50.58	50.68	0.10	Pumped	0.10	9.90	3310.08	
RW-1	07/21/10	3360.67	61.65	50.60	50.65	0.05	NA	NA	NA	3310.06	
RW-1	07/28/10	3360.67	61.65	50.59	50.64	0.05	NA	NA	NA	3310.07	
RW-1	08/03/10	3360.67	61.65	50.57	50.67	0.10	NA	NA	NA	3310.09	
RW-1	08/11/10	3360.67	61.65	50.53	50.69	0.16	NA	NA	NA	3310.12	
RW-1	08/18/10	3360.67	61.65	50.55	50.69	0.14	Pumped	0.10	9.90	3310.10	
RW-1	08/18/10	3360.67	61.65	54.75	54.79	0.03	NA	NA	NA	3305.91	
RW-1	08/26/10	3360.67	61.65	50.60	50.63	0.03	NA	NA	NA	3310.07	
RW-1	09/01/10	3360.67	61.65	50.52	50.57	0.05	NA	NA	NA	3310.14	
RW-1	09/08/10	3360.67	61.65	50.58	50.64	0.06	Pumped	0.10	9.90	3310.08	
RW-1	09/15/10	3360.67	61.65	50.59	50.61	0.02	Pumped	0.10	4.90	3310.08	
RW-1	09/21/10	3360.67	61.65	50.54	50.55	0.01	NA	NA	NA	3310.13	
RW-1	10/01/10	3360.67	61.65	50.63	50.68	0.05	Pumped	0.10	9.90	3310.03	
RW-1	10/06/10	3360.67	61.65	50.64	50.65	0.01	NA	NA	NA	3310.03	
RW-1	10/13/10	3360.67	61.65	50.64	50.68	0.04	NA	NA	NA	3310.02	
RW-1	10/22/10	3360.67	61.65	50.56	50.59	0.03	NA	NA	NA	3310.11	
RW-1	10/27/10	3360.67	61.65	50.54	50.58	0.04	NA	NA	NA	3310.12	
RW-1	11/03/10	3360.67	61.65	ND	50.61	ND	Pumped	0.10	9.90	3310.06	
RW-1	11/10/10	3360.67	61.65	50.47	50.48	0.01	NA	NA	NA	3310.20	
RW-1	11/16/10	3360.67	61.65	50.55	50.60	0.05	Pumped	0.10	9.90	3310.11	
RW-1	11/16/10	3360.67	61.65	ND	52.14	ND	NA	NA	NA	3308.53	
RW-1	11/23/10	3360.67	61.65	50.49	50.52	0.03	NA	NA	NA	3310.18	
RW-1	12/01/10	3360.67	61.65	50.45	50.47	0.02	NA	NA	NA	3310.22	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	12/08/10	3360.67	61.65	50.52	50.58	0.06	Pumped	0.10	9.90	3310.14	
RW-1	12/08/10	3360.67	61.65	ND	51.94	ND	NA	NA	NA	3308.73	
RW-1	12/15/10	3360.67	61.65	50.41	50.43	0.02	Pumped	0.10	9.90	3310.26	
RW-1	12/15/10	3360.67	61.65	ND	52.62	ND	NA	NA	NA	3308.05	
RW-1	12/21/10	3360.67	61.65	50.49	50.50	0.01	Pumped	0.10	9.90	3310.18	
RW-1	12/21/10	3360.67	61.65	ND	52.92	ND	NA	NA	NA	3307.75	
RW-1	01/08/11	3360.67	61.65	50.43	50.44	0.01	NA	NA	NA	3310.24	
RW-1	01/12/11	3360.67	61.65	50.53	50.57	0.04	NA	NA	NA	3310.13	
RW-1	01/19/11	3360.67	61.65	50.40	50.44	0.04		0.10	9.90	3310.26	
RW-1	01/19/11	3360.67	61.65	ND	51.61	ND	NA	NA	NA	3309.06	
RW-1	01/25/11	3360.67	61.65	50.46	50.47	0.01	NA	NA	NA	3310.21	
RW-1	02/04/11	3360.67	61.65	50.43	50.44	0.01	NA	NA	NA	3310.24	
RW-1	02/08/11	3360.67	61.65	50.37	50.48	0.11	NA	NA	NA	3310.28	
RW-1	02/16/11	3360.67	61.65	50.40	50.48	0.08		0.10	9.90	3310.26	
RW-1	02/16/11	3360.67	61.65	ND	51.72	ND	NA	NA	NA	3308.95	
RW-1	02/23/11	3360.67	61.65	50.41	50.42	0.01		0.10	9.90	3310.26	
RW-1	02/23/11	3360.67	61.65	ND	52.51	ND	NA	NA	NA	3308.16	
RW-1	03/02/11	3360.67	61.65	50.43	50.44	0.01		0.10	9.90	3310.24	
RW-1	03/02/11	3360.67	61.65	ND	51.53	ND	NA	NA	NA	3309.14	
RW-1	03/08/11	3360.67	61.65	50.39	50.40	0.01	Hand Bailed	0.10	4.90	3310.28	
RW-1	03/08/11	3360.67	61.65	ND	52.38	ND	NA	NA	NA	3308.29	
RW-1	03/16/11	3360.67	61.65	50.40	50.41	0.01	NA	0.10	4.90	3310.27	
RW-1	03/16/11	3360.67	61.65	ND	52.10	ND	NA	NA	NA	3308.57	
RW-1	03/23/11	3360.67	61.65	50.42	50.43	0.01	NA	0.10	4.90	3310.25	
RW-1	03/23/11	3360.67	61.65	ND	51.95	ND	NA	NA	NA	3308.72	
RW-1	03/30/11	3360.67	61.65	50.39	50.40	0.01	NA	0.10	9.90	3310.28	
RW-1	03/30/11	3360.67	61.65	ND	51.34	ND	NA	NA	NA	3309.33	
RW-1	04/08/11	3360.67	61.65	50.37	50.38	0.01	Pumped	0.10	9.90	3310.30	
RW-1	04/08/11	3360.67	61.65	ND	52.24	ND	NA	NA	NA	3308.43	
RW-1	04/13/11	3360.67	61.65	50.35	50.36	0.01	NA	0.10	4.90	3310.32	
RW-1	04/13/11	3360.67	61.65	ND	52.04	ND	NA	NA	NA	3308.63	
RW-1	04/20/11	3360.67	61.65	50.41	50.43	0.02	Hand Bailed	0.10	4.90	3310.26	
RW-1	04/20/11	3360.67	61.65	ND	51.73	ND	NA	NA	NA	3308.94	
RW-1	04/27/11	3360.67	61.65	50.42	50.43	0.01	Pumped	0.10	9.90	3310.25	
RW-1	04/27/11	3360.67	61.65	ND	52.44	ND	NA	NA	NA	3308.23	
RW-1	05/04/11	3360.67	61.65	50.31	50.32	0.01		0.10	9.90	3310.36	
RW-1	05/04/11	3360.67	61.65	ND	53.02	ND	NA	NA	NA	3307.65	
RW-1	05/11/11	3360.67	61.65	50.34	50.35	0.01		0.10	9.90	3310.33	
RW-1	05/11/11	3360.67	61.65	ND	52.30	ND	NA	NA	NA	3308.37	
RW-1	05/19/11	3360.67	61.65	50.34	50.35	0.01		0.10	14.90	3310.33	
RW-1	05/19/11	3360.67	61.65	ND	52.50	ND	NA	NA	NA	3308.17	
RW-1	05/24/11	3360.67	61.65	50.35	50.37	0.02		0.10	9.90	3310.32	
RW-1	05/24/11	3360.67	61.65	ND	51.28	ND	NA	NA	NA	3309.39	
RW-1	06/01/11	3360.67	61.65	50.53	50.54	0.01	NA	NA	NA	3310.14	Sampled
RW-1	06/08/11	3360.67	61.65	50.42	50.43	0.01		0.00	10.00	3310.25	
RW-1	06/08/11	3360.67	61.65	ND	50.95	ND	NA	NA	NA	3309.72	
RW-1	06/17/11	3360.67	61.65	50.34	50.35	0.01		0.00	10.00	3310.33	
RW-1	06/17/11	3360.67	61.65	ND	51.56	ND	NA	NA	NA	3309.11	
RW-1	06/21/11	3360.67	61.65	50.37	50.41	0.04		0.10	9.90	3310.29	
RW-1	06/21/11	3360.67	61.65	ND	51.35	ND	NA	NA	NA	3309.32	
RW-1	06/29/11	3360.67	61.65	50.54	50.58	0.04		0.10	4.90	3310.12	
RW-1	06/29/11	3360.67	61.65	ND	51.88	ND	NA	NA	NA	3308.79	
RW-1	07/06/11	3360.67	61.65	50.56	50.58	0.02		0.10	4.90	3310.11	
RW-1	07/06/11	3360.67	61.65	ND	50.92	ND	NA	NA	NA	3309.75	
RW-1	07/13/11	3360.67	61.65	50.55	50.56	0.01		0.10	9.90	3310.12	
RW-1	07/13/11	3360.67	61.65	ND	51.85	ND	NA	NA	NA	3308.82	
RW-1	07/20/11	3360.67	61.65	50.58	50.59	0.01	NA	NA	NA	3310.09	
RW-1	07/27/11	3360.67	61.65	50.55	50.58	0.03		0.10	9.90	3310.12	
RW-1	07/27/11	3360.67	61.65	ND	51.99	ND	NA	NA	NA	3308.68	
RW-1	08/03/11	3360.67	61.65	50.60	50.65	0.05		0.10	4.90	3310.06	
RW-1	08/03/11	3360.67	61.65	ND	51.70	ND	NA	NA	NA	3308.97	
RW-1	08/11/11	3360.67	61.65	50.61	50.64	0.03	Hand Bailed	0.10	4.90	3310.06	
RW-1	08/11/11	3360.67	61.65	ND	51.25	ND	NA	NA	NA	3309.42	
RW-1	08/16/11	3360.67	61.65	50.54	50.56	0.02	NA	NA	NA	3310.13	
RW-1	08/24/11	3360.67	61.65	50.62	50.64	0.02		0.10	9.90	3310.05	
RW-1	08/24/11	3360.67	61.65	ND	51.79	ND	NA	NA	NA	3308.88	
RW-1	08/30/11	3360.67	61.65	50.62	50.64	0.02		0.10	4.90	3310.05	
RW-1	08/30/11	3360.67	61.65	ND	51.84	ND	NA	NA	NA	3308.83	
RW-1	09/07/11	3360.67	61.65	50.66	50.70	0.04		0.10	4.90	3310.00	
RW-1	09/07/11	3360.67	61.65	ND	51.16	ND	NA	NA	NA	3309.51	
RW-1	09/14/11	3360.67	61.65	50.65	50.67	0.02	NA	NA	NA	3310.02	
RW-1	09/21/11	3360.67	61.65	50.62	50.71	0.09		0.10	4.90	3310.04	
RW-1	09/21/11	3360.67	61.65	ND	51.13	ND	NA	NA	NA	3309.54	
RW-1	09/28/11	3360.67	61.65	50.65	50.70	0.05	Hand Bailed	0.10	4.90	3310.01	
RW-1	09/28/11	3360.67	61.65	ND	51.50	ND	NA	NA	NA	3309.17	
RW-1	10/05/11	3360.67	61.65	50.64	50.68	0.04	Pumped	0.10	10.00	3310.02	Clear at 2 gal
RW-1	10/05/11	3360.67	61.65	ND	52.28	ND	NA	NA	NA	3308.39	
RW-1	10/12/11	3360.67	61.65	50.66	50.68	0.02		0.10	9.90	3310.01	
RW-1	10/12/11	3360.67	61.65	ND	51.95	ND	NA	NA	NA	3308.72	
RW-1	10/18/11	3360.67	61.65	50.73	50.74	0.01		0.10	9.90	3309.94	Clear at 3 gal
RW-1	10/18/11	3360.67	61.65	ND	51.96	ND	NA	NA	NA	3308.71	
RW-1	10/28/11	3360.67	61.65	50.73	50.76	0.03	NA	NA	NA	3309.94	
RW-1	11/02/11	3360.67	61.65	50.68	50.72	0.04		0.10	4.90	3309.98	Clear at 2 gal
RW-1	11/02/11	3360.67	61.65	ND	52.04	ND	NA	NA	NA	3308.63	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	11/09/11	3360.67	61.65	50.75	50.77	0.02		0.10	9.90	3309.92	
RW-1	11/09/11	3360.67	61.65	ND	51.16	ND	NA	NA	NA	3309.51	
RW-1	11/18/11	3360.67	61.65	50.63	50.64	0.01	NA	NA	NA	3310.04	
RW-1	11/23/11	3360.67	61.65	50.72	50.76	0.04	NA	NA	NA	3309.94	
RW-1	11/28/11	3360.67	61.65	50.63	50.69	0.06	NA	NA	NA	3310.03	
RW-1	12/13/11	3360.67	61.65	50.64	50.76	0.12		0.10	4.90	3310.01	
RW-1	12/13/11	3360.67	61.65	ND	52.05	ND	NA	NA	NA	3308.62	
RW-1	12/20/11	3360.67	61.65	50.69	50.74	0.05		0.10	4.90	3309.97	
RW-1	12/20/11	3360.67	61.65	ND	57.20	ND	NA	NA	NA	3303.47	
RW-1	12/27/11	3360.67	61.65	50.70	50.74	0.04		0.10	4.90	3309.96	
RW-1	12/27/11	3360.67	61.65	ND	51.65	ND	NA	NA	NA	3309.02	
RW-1	01/04/12	3360.67	61.65	50.75	50.76	0.01	NA	NA	NA	3309.92	
RW-1	01/13/12	3360.67	61.65	50.70	50.75	0.05		0.10	4.90	3309.96	
RW-1	01/13/12	3360.67	61.65	ND	51.25	ND	NA	NA	NA	3309.42	
RW-1	01/18/12	3360.67	61.65	50.68	50.72	0.04	NA	NA	NA	3309.98	
RW-1	01/27/12	3360.67	61.65	50.65	50.70	0.05		0.10	4.90	3310.01	
RW-1	01/27/12	3360.67	61.65	ND	52.44	ND	NA	NA	NA	3308.23	
RW-1	02/02/12	3360.67	61.65	50.62	50.63	0.01	NA	NA	NA	3310.05	
RW-1	02/08/12	3360.67	61.65	50.70	50.78	0.08		0.10	4.90	3309.96	
RW-1	02/08/12	3360.67	61.65	ND	51.20	ND	NA	NA	NA	3309.47	
RW-1	02/15/12	3360.67	61.65	50.63	50.69	0.06		0.10	4.90	3310.03	
RW-1	02/15/12	3360.67	61.65	ND	52.73	ND	NA	NA	NA	3307.94	
RW-1	02/22/12	3360.67	61.65	49.54	49.62	0.08	NA	NA	NA	3311.12	
RW-1	02/29/12	3360.67	61.65	50.61	50.68	0.07		0.10	4.90	3310.05	
RW-1	02/29/12	3360.67	61.65	ND	51.60	ND	NA	NA	NA	3309.07	
RW-1	03/06/12	3360.67	61.65	50.55	50.60	0.05		0.10	4.90	3310.11	
RW-1	03/06/12	3360.67	61.65	ND	52.83	ND	NA	NA	NA	3307.84	
RW-1	03/14/12	3360.67	61.65	50.60	50.66	0.06		0.10	4.90	3310.06	
RW-1	03/21/12	3360.67	61.65	51.45	51.55	0.10		0.10	4.90	3309.21	
RW-1	03/21/12	3360.67	61.65	ND	51.65	ND	NA	NA	NA	3309.02	
RW-1	03/29/12	3360.67	61.65	50.54	50.62	0.08		0.10	9.90	3310.12	
RW-1	03/29/12	3360.67	61.65	ND	51.32	ND	NA	NA	NA	3309.35	
RW-1	04/03/12	3360.67	61.65	50.56	50.70	0.14		0.10	9.90	3310.09	
RW-1	04/03/12	3360.67	61.65	ND	51.38	ND	NA	NA	NA	3309.29	
RW-1	04/11/12	3360.67	61.65	50.50	50.64	0.14		0.10	9.90	3310.15	
RW-1	04/11/12	3360.67	61.65	ND	51.28	ND	NA	NA	NA	3309.39	
RW-1	04/20/12	3360.67	61.65	50.25	50.47	0.22		0.10	9.90	3310.39	
RW-1	04/20/12	3360.67	61.65	ND	51.89	ND	NA	NA	NA	3308.78	
RW-1	04/26/12	3360.67	61.65	50.39	50.80	0.41		0.10	9.90	3310.22	
RW-1	04/26/12	3360.67	61.65	ND	51.90	ND	NA	NA	NA	3308.77	
RW-1	05/02/12	3360.67	61.65	50.54	50.67	0.13		0.10	9.90	3310.11	
RW-1	05/02/12	3360.67	61.65	ND	52.92	ND	NA	NA	NA	3307.75	
RW-1	05/09/12	3360.67	61.65	50.58	50.65	0.07		0.10	9.90	3310.08	
RW-1	05/09/12	3360.67	61.65	ND	52.50	ND	NA	NA	NA	3308.17	
RW-1	05/22/12	3360.67	61.65	50.53	50.68	0.15	NA	NA	NA	3310.12	Sampled
RW-1	05/29/12	3360.67	61.65	50.50	50.61	0.11		0.25	9.75	3310.15	
RW-1	05/29/12	3360.67	61.65	ND	51.15	ND	NA	NA	NA	3309.52	
RW-1	06/06/12	3360.67	61.65	50.55	50.63	0.08		0.10	9.90	3310.11	
RW-1	06/06/12	3360.67	61.65	ND	52.85	ND	NA	NA	NA	3307.82	
RW-1	06/13/12	3360.67	61.65	50.48	50.65	0.17		0.10	9.90	3310.16	
RW-1	06/13/12	3360.67	61.65	ND	52.65	ND	NA	NA	NA	3308.02	
RW-1	06/19/12	3360.67	61.65	50.44	50.75	0.31		0.10	9.90	3310.18	
RW-1	06/19/12	3360.67	61.65	ND	50.95	ND	NA	NA	NA	3309.72	
RW-1	06/27/12	3360.67	61.65	50.49	50.55	0.06		0.00	5.00	3310.17	
RW-1	06/27/12	3360.67	61.65	ND	51.60	ND	NA	NA	NA	3309.07	
RW-1	07/05/12	3360.67	61.65	50.55	50.65	0.10	NA	0.10	10.00	3310.11	
RW-1	07/05/12	3360.67	61.65	ND	51.37	ND	NA	NA	NA	3309.30	
RW-1	07/11/12	3360.67	61.65	50.55	50.69	0.14	NA	0.10	10.00	3310.10	
RW-1	07/11/12	3360.67	61.65	ND	51.97	ND	NA	NA	NA	3308.70	
RW-1	07/18/12	3360.67	61.65	50.59	50.76	0.17	NA	NA	10.00	3310.05	
RW-1	07/18/12	3360.67	61.65	ND	52.06	ND	NA	NA	NA	3308.61	
RW-1	07/25/12	3360.67	61.65	50.56	50.71	0.15	NA	0.125	10.00	3310.09	
RW-1	07/25/12	3360.67	61.65	ND	52.00	ND	NA	NA	NA	3308.67	
RW-1	07/31/12	3360.67	61.65	50.59	50.70	0.11	NA	0.10	10.00	3310.06	
RW-1	07/31/12	3360.67	61.65	ND	50.12	ND	NA	NA	NA	3310.55	
RW-1	08/08/12	3360.67	61.65	50.60	50.80	0.20	NA	NA	NA	3310.04	
RW-1	08/13/12	3360.67	61.65	50.50	50.62	0.12	NA	0.10	10.00	3310.15	
RW-1	08/13/12	3360.67	61.65	ND	51.70	ND	NA	NA	NA	3308.97	
RW-1	09/05/12	3360.67	61.65	50.65	50.81	0.16	NA	0.10	10.00	3310.00	
RW-1	09/11/12	3360.67	61.65	50.56	50.74	0.18	NA	0.10	10.00	3310.08	
RW-1	09/19/12	3360.67	61.65	50.68	50.90	0.22	NA	0.10	10.00	3309.96	
RW-1	09/19/12	3360.67	61.65	ND	52.75	ND	NA	NA	NA	3307.92	
RW-1	09/25/12	3360.67	61.65	50.64	50.74	0.10	NA	0.10	10.00	3310.02	
RW-1	09/25/12	3360.67	61.65	ND	52.68	ND	NA	NA	NA	3307.99	
RW-1	10/03/12	3360.67	61.65	50.70	50.82	0.12	NA	0.10	10.00	3309.95	
RW-1	10/03/12	3360.67	61.65	ND	52.12	ND	NA	NA	NA	3308.55	
RW-1	10/24/12	3360.67	61.65	50.63	50.88	0.25	NA	0.10	10.00	3310.00	
RW-1	10/24/12	3360.67	61.65	ND	51.73	ND	NA	NA	NA	3308.94	
RW-1	10/30/12	3360.67	61.65	50.68	50.77	0.09	NA	NA	NA	3309.98	
RW-1	10/30/12	3360.67	61.65	ND	52.38	ND	NA	NA	NA	3308.29	
RW-1	11/06/12	3360.67	61.65	50.71	50.77	0.06	NA	0.10	10.00	3309.95	
RW-1	11/06/12	3360.67	61.65	ND	52.50	ND	NA	NA	NA	3308.17	
RW-1	11/13/12	3360.67	61.65	50.72	50.84	0.12	NA	0.10	10.00	3309.93	
RW-1	11/13/12	3360.67	61.65	ND	52.27	ND	NA	NA	NA	3308.40	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	11/26/12	3360.67	61.65	50.71	50.75	0.04	NA	NA	NA	3309.95	
RW-1	12/05/12	3360.67	61.65	50.70	50.78	0.08	NA	NA	NA	3309.96	
RW-1	12/05/12	3360.67	61.65	ND	53.85	ND	NA	NA	NA	3306.82	
RW-1	12/11/12	3360.67	61.65	50.70	50.80	0.10	NA	NA	NA	3309.96	
RW-1	01/03/13	3360.67	61.65	50.77	50.88	0.11	NA	NA	NA	3309.88	
RW-1	01/16/13	3360.67	61.65	50.73	50.96	0.23	NA	0.10	10.00	3309.91	
RW-1	01/16/13	3360.67	61.65	ND	53.70	ND	NA	NA	NA	3306.97	
RW-1	01/23/13	3360.67	61.65	50.71	50.77	0.06	NA	0.10	10.00	3309.95	
RW-1	01/23/13	3360.67	61.65	ND	51.51	ND	NA	NA	NA	3309.16	
RW-1	01/30/13	3360.67	61.65	50.76	50.87	0.11	NA	0.10	10.00	3309.89	
RW-1	01/30/13	3360.67	61.65	ND	54.60	ND	NA	NA	NA	3306.07	
RW-1	02/07/13	3360.67	61.65	50.72	50.80	0.08	NA	0.10	10.00	3309.94	
RW-1	02/07/13	3360.67	61.65	ND	52.36	ND	NA	NA	NA	3308.31	
RW-1	02/13/13	3360.67	61.65	50.74	50.83	0.09	NA	0.10	10.00	3309.92	
RW-1	02/13/13	3360.67	61.65	ND	52.05	ND	NA	NA	NA	3308.62	
RW-1	02/27/13	3360.67	61.65	50.75	50.87	0.12	NA	NA	NA	3309.90	
RW-1	03/21/13	3360.67	61.65	50.62	50.78	0.16	NA	NA	NA	3310.03	
RW-1	03/29/13	3360.67	61.65	50.66	50.80	0.14	NA	0.10	10.00	3309.99	
RW-1	03/29/13	3360.67	61.65	ND	51.65	ND	NA	NA	NA	3309.02	
RW-1	04/03/13	3360.67	61.65	50.65	50.75	0.10	NA	0.10	10.00	3310.01	
RW-1	04/03/13	3360.67	61.65	ND	51.93	ND	NA	NA	NA	3308.74	
RW-1	04/09/13	3360.67	61.65	50.66	50.98	0.32	NA	0.10	10.00	3309.96	
RW-1	04/09/13	3360.67	61.65	ND	51.82	ND	NA	NA	NA	3308.85	
RW-1	05/01/13	3360.67	61.65	50.75	50.98	0.23	NA	0.10	10.00	3309.89	
RW-1	05/01/13	3360.67	61.65	ND	52.63	ND	NA	NA	NA	3308.04	
RW-1	05/15/13	3360.67	61.65	50.70	50.78	0.08	NA	0.10	10.00	3309.96	
RW-1	05/15/13	3360.67	61.65	ND	52.18	ND	NA	NA	NA	3308.49	
RW-1	05/21/13	3360.67	61.65	50.72	50.92	0.20	NA	0.10	10.00	3309.92	
RW-1	05/21/13	3360.67	61.65	ND	52.12	ND	NA	NA	NA	3308.55	
RW-1	06/05/13	3360.67	61.65	50.69	50.99	0.30	NA	0.50	9.50	3309.94	
RW-1	06/05/13	3360.67	61.65	ND	54.18	ND	NA	NA	NA	3306.49	
RW-1	06/11/13	3360.67	61.65	50.81	50.91	0.10	NA	NA	NA	3309.85	
RW-1	06/17/13	3360.67	61.65	50.82	50.87	0.05	NA	0.10	10.00	3309.84	
RW-1	06/26/13	3360.67	61.65	50.76	50.93	0.17	NA	0.25	9.75	3309.88	
RW-1	06/26/13	3360.67	61.65	ND	52.11	ND	NA	NA	NA	3308.56	
RW-1	07/03/13	3360.67	61.65	50.77	51.00	0.23	NA	0.25	9.75	3309.87	
RW-1	07/10/13	3360.67	61.65	50.77	51.09	0.32	NA	NA	NA	3309.85	
RW-1	07/23/13	3360.67	61.65	50.78	51.30	0.52	NA	1.00	9.00	3309.81	
RW-1	07/30/13	3360.67	61.65	50.65	50.99	0.34	NA	1.00	9.00	3309.97	
RW-1	08/07/13	3360.67	61.65	50.63	50.96	0.33	NA	0.50	9.50	3309.99	
RW-1	08/14/13	3360.67	61.65	50.85	51.15	0.30	NA	NA	NA	3309.78	
RW-1	08/21/13	3360.67	61.65	50.82	51.11	0.29	NA	0.50	9.50	3309.81	
RW-1	08/28/13	3360.67	61.65	50.83	51.43	0.60	NA	0.50	9.50	3309.75	
RW-1	09/06/13	3360.67	61.65	50.90	51.02	0.12	NA	0.25	9.75	3309.75	
RW-1	09/10/13	3360.67	61.65	50.92	51.12	0.20	NA	NA	NA	3309.72	
RW-1	09/21/13	3360.67	61.65	50.92	51.18	0.26	NA	NA	NA	3309.71	
RW-1	09/28/13	3360.67	61.65	50.97	51.31	0.34	NA	0.50	4.50	3309.65	
RW-1	10/02/13	3360.67	61.65	50.88	51.15	0.27	NA	0.50	9.50	3309.75	
RW-1	10/11/13	3360.67	61.65	50.88	51.53	0.65	NA	0.50	9.50	3309.69	
RW-1	10/16/13	3360.67	61.65	50.85	50.95	0.10	NA	0.25	9.00	3309.81	
RW-1	10/30/13	3360.67	61.65	50.86	51.38	0.52	NA	0.50	9.50	3309.73	
RW-1	11/06/13	3360.67	61.65	49.96	50.18	0.22	NA	NA	NA	3310.68	
RW-1	11/20/13	3362.10	61.65	49.77	49.91	0.14	NA	0.50	4.50	3312.31	
RW-1	11/27/13	3362.10	61.65	49.83	50.15	0.32	NA	0.50	4.50	3312.22	
RW-1	12/17/13	3362.10	61.65	49.74	50.49	0.75	NA	0.50	9.50	3312.25	
RW-1	01/02/14	3362.10	61.65	49.74	50.68	0.94	NA	1.00	9.00	3312.22	
RW-1	01/09/14	3362.10	61.65	49.71	50.02	0.31	NA	0.50	9.50	3312.34	
RW-1	01/15/14	3362.10	61.65	49.80	49.97	0.17	NA	0.25	4.75	3312.27	
RW-1	01/22/14	3362.10	61.65	49.78	49.90	0.12	NA	0.25	9.75	3312.30	
RW-1	01/30/14	3362.10	61.65	49.70	50.02	0.32	NA	0.50	9.50	3312.35	
RW-1	02/05/14	3362.10	61.65	49.83	50.02	0.19	NA	1.00	9.00	3312.24	
RW-1	02/13/14	3362.10	61.65	49.75	49.95	0.20	NA	0.50	9.50	3312.32	
RW-1	02/20/14	3362.10	61.65	49.80	49.99	0.19	NA	0.50	9.50	3312.27	
RW-1	02/26/14	3362.10	61.65	49.73	50.15	0.42	NA	0.50	9.50	3312.31	
RW-1	03/05/14	3362.10	61.65	49.82	50.00	0.18	NA	0.25	9.75	3312.25	
RW-1	03/18/14	3362.10	61.65	49.72	50.08	0.36	NA	1.00	9.00	3312.33	
RW-1	04/02/14	3362.10	61.65	49.63	50.18	0.55	NA	1.00	9.00	3312.39	
RW-1	04/09/14	3362.10	61.65	49.70	50.22	0.52	NA	1.00	9.00	3312.32	
RW-1	04/15/14	3362.10	61.65	49.78	49.98	0.20	NA	0.25	9.75	3312.29	
RW-1	04/23/14	3362.10	61.65	49.75	49.99	0.24	NA	0.25	9.75	3312.31	
RW-1	05/04/14	3362.10	61.65	49.70	50.22	0.52	NA	0.25	9.75	3312.32	
RW-1	05/07/14	3362.10	61.65	49.76	49.89	0.13	NA	0.25	9.75	3312.32	
RW-1	05/16/14	3362.10	61.65	49.75	49.98	0.23	NA	0.25	9.75	3312.32	
RW-1	05/20/14	3362.10	61.65	49.78	49.86	0.08	NA	0.25	9.75	3312.31	
RW-1	06/03/14	3362.10	61.65	49.80	50.10	0.30	NA	NA	NA	3312.26	
RW-1	06/19/14	3362.10	61.65	49.82	50.08	0.26	NA	0.50	9.50	3312.24	
RW-1	06/25/14	3362.10	61.65	49.85	50.10	0.25	NA	0.25	9.25	3312.21	
RW-1	07/09/14	3362.10	61.65	49.82	50.45	0.63	NA	0.50	9.50	3312.19	
RW-1	07/16/14	3362.10	61.65	49.87	50.10	0.23	NA	0.50	9.50	3312.20	
RW-1	07/23/14	3362.10	61.65	49.85	50.15	0.30	NA	0.50	9.50	3312.21	
RW-1	07/29/14	3362.10	61.65	49.87	50.12	0.25	NA	0.50	9.50	3312.19	
RW-1	08/12/14	3362.10	61.65	49.87	50.53	0.66	NA	0.50	9.50	3312.13	
RW-1	08/21/14	3362.10	61.65	49.90	50.17	0.27	NA	NA	NA	3312.16	
RW-1	08/27/14	3362.10	61.65	49.91	50.19	0.28	NA	0.25	4.75	3312.15	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	09/03/14	3362.10	61.65	49.91	50.50	0.59	NA	NA	NA	3312.10	
RW-1	09/09/14	3362.10	61.65	49.91	50.07	0.16	NA	0.25	9.75	3312.17	
RW-1	09/17/14	3362.10	61.65	49.93	50.27	0.34	NA	0.25	9.75	3312.12	
RW-1	09/29/14	3362.10	61.65	49.97	50.28	0.31	NA	NA	NA	3312.08	
RW-1	10/15/14	3362.10	61.65	49.90	50.73	0.83	NA	NA	NA	3312.08	
RW-1	10/29/14	3362.10	61.65	49.92	50.44	0.52	NA	1.00	19.00	3312.10	
RW-1	11/04/14	3362.10	61.65	49.88	50.41	0.53	NA	NA	NA	3312.14	
RW-1	11/12/14	3362.10	61.65	49.99	50.44	0.45	NA	0.50	9.50	3312.04	
RW-1	11/18/14	3362.10	61.65	49.91	50.60	0.69	NA	1.00	19.00	3312.09	
RW-1	11/25/14	3362.10	61.65	49.82	50.27	0.45	NA	1.00	9.00	3312.21	
RW-1	12/17/14	3362.10	61.65	49.70	50.52	0.82	NA	1.00	9.00	3312.28	
RW-1	12/22/14	3362.10	61.65	49.73	50.87	1.14	NA	1.00	9.00	3312.20	
RW-1	12/29/14	3362.10	61.65	49.75	50.90	1.15	NA	1.00	14.00	3312.18	
RW-1	01/08/15	3362.10	61.65	49.80	50.65	0.85	NA	1.00	9.00	3312.17	
RW-1	01/14/15	3362.10	61.65	49.82	50.78	0.96	NA	1.00	9.00	3312.14	
RW-1	01/21/15	3362.10	61.65	49.92	50.20	0.28	NA	0.50	9.50	3312.14	
RW-1	01/28/15	3362.10	61.65	49.88	50.35	0.47	NA	NA	NA	3312.15	
RW-1	02/06/15	3362.10	61.65	49.94	50.23	0.29	NA	1.00	9.00	3312.12	
RW-1	02/10/15	3362.10	61.65	49.96	50.06	0.10	NA	NA	NA	3312.13	
RW-1	02/17/15	3362.10	61.65	49.93	50.23	0.30	NA	NA	NA	3312.13	
RW-1	02/25/15	3362.10	60.80	49.86	50.33	0.47	NA	0.50	9.50	3312.17	
RW-1	03/05/15	3362.10	60.80	49.98	50.65	0.67	NA	1.00	9.00	3312.02	
RW-1	03/11/15	3362.10	60.80	49.97	50.20	0.23	NA	0.50	9.50	3312.10	
RW-1	03/23/15	3362.10	60.80	49.92	50.27	0.35	NA	0.50	9.50	3312.13	
RW-1	03/31/15	3362.10	60.80	49.90	50.45	0.55	NA	0.50	9.50	3312.12	
RW-1	04/07/15	3362.10	60.80	49.95	50.18	0.23	NA	NA	NA	3312.12	
RW-1	04/15/15	3362.10	60.80	49.91	50.14	0.23	NA	0.50	9.50	3312.16	
RW-1	04/21/15	3362.10	60.80	49.93	50.13	0.20	NA	0.50	9.50	3312.14	
RW-1	04/29/15	3362.10	60.80	49.97	50.18	0.21	NA	0.50	9.50	3312.10	
RW-1	05/06/15	3362.10	60.80	49.92	50.10	0.18	NA	NA	NA	3312.15	
RW-1	05/27/15	3362.10	60.80	49.95	50.52	0.57	NA	0.50	9.50	3312.06	
RW-1	06/04/15	3362.10	60.80	49.94	50.19	0.25	NA	0.50	9.50	3312.12	
RW-1	06/09/15	3362.10	60.80	49.95	50.30	0.35	NA	0.50	9.50	3312.10	
RW-1	06/16/15	3362.10	60.80	50.00	50.21	0.21	NA	NA	NA	3312.07	Sampled
RW-1	07/01/15	3362.10	60.80	49.95	50.35	0.40	NA	0.50	9.50	3312.09	
RW-1	07/08/15	3362.10	60.80	49.95	50.60	0.65	NA	0.50	9.50	3312.05	
RW-1	07/14/15	3362.10	60.80	49.95	50.50	0.55	NA	0.50	9.50	3312.07	
RW-1	07/21/15	3362.10	60.80	49.95	50.50	0.55	NA	0.50	9.50	3312.07	
RW-1	07/28/15	3362.10	60.80	50.01	50.24	0.23	NA	0.25	9.75	3312.06	
RW-1	08/05/15	3362.10	60.80	50.03	50.76	0.73	NA	0.25	9.75	3311.96	
RW-1	08/12/15	3362.10	60.80	50.08	50.29	0.21	NA	0.25	9.75	3311.99	
RW-1	08/20/15	3362.10	60.80	50.04	50.29	0.25	NA	0.25	9.75	3312.02	
RW-1	08/26/15	3362.10	60.80	50.06	50.35	0.29	NA	NA	NA	3312.00	
RW-1	09/01/15	3362.10	60.80	50.05	50.46	0.41	NA	0.50	9.50	3311.99	
RW-1	09/10/15	3362.10	60.80	50.06	50.35	0.29	NA	0.25	9.75	3312.00	
RW-1	09/16/15	3362.10	60.80	50.05	50.47	0.42	NA	1.00	9.00	3311.99	
RW-1	09/28/15	3362.10	60.80	50.00	50.53	0.53	NA	0.50	9.50	3312.02	
RW-1	10/06/15	3362.10	60.80	50.10	50.14	0.04	NA	0.50	9.50	3311.99	
RW-1	10/13/15	3362.10	60.80	50.12	50.35	0.23	NA	0.25	9.75	3311.95	
RW-1	10/20/15	3362.10	60.80	50.07	50.34	0.27	NA	0.50	9.50	3311.99	
RW-1	10/28/15	3362.10	60.80	50.11	50.59	0.48	NA	0.50	9.50	3311.92	
RW-1	11/03/15	3362.10	60.80	50.10	50.37	0.27	NA	0.25	9.75	3311.96	
RW-1	11/12/15	3362.10	60.80	50.14	50.42	0.28	NA	0.50	9.50	3311.92	
RW-1	11/17/15	3362.10	60.80	50.03	50.43	0.40	NA	NA	NA	3312.01	
RW-1	11/24/15	3362.10	60.80	50.07	50.36	0.29	NA	0.25	9.75	3311.99	
RW-1	12/09/15	3362.10	60.80	50.03	50.48	0.45	NA	0.50	9.50	3312.00	
RW-1	12/15/15	3362.10	60.80	50.05	50.27	0.22	NA	NA	NA	3312.02	
RW-1	12/31/15	3362.10	60.80	50.62	50.63	0.01	NA	0.50	9.50	3311.48	
RW-1	01/05/16	3362.10	60.80	50.03	50.20	0.17	NA	0.25	9.75	3312.04	
RW-1	01/19/16	3362.10	60.80	50.02	50.24	0.22	NA	0.50	9.50	3312.05	
RW-1	01/26/16	3362.10	60.80	50.07	50.29	0.22	NA	0.25	9.75	3312.00	
RW-1	02/02/16	3362.10	60.80	49.97	50.19	0.22	NA	0.50	9.50	3312.10	
RW-1	02/09/16	3362.10	60.80	50.00	50.19	0.19	NA	0.25	9.75	3312.07	
RW-1	02/17/16	3362.10	60.80	49.96	50.18	0.22	NA	0.25	9.75	3312.11	
RW-1	02/24/16	3362.10	60.80	50.02	50.23	0.21	NA	0.25	9.75	3312.05	
RW-1	03/01/16	3362.10	60.80	50.03	50.18	0.15	NA	0.25	9.75	3312.05	
RW-1	03/08/16	3362.10	60.80	49.90	50.13	0.23	NA	NA	NA	3312.17	
RW-1	03/15/16	3362.10	60.80	49.96	50.15	0.19	NA	0.25	9.75	3312.11	
RW-1	03/22/16	3362.10	60.80	49.90	50.08	0.18	NA	0.50	9.50	3312.17	
RW-1	03/29/16	3362.10	60.80	49.88	50.29	0.41	NA	0.50	9.50	3312.16	
RW-1	04/05/16	3362.10	60.80	49.90	50.11	0.21	NA	0.50	9.50	3312.17	
RW-1	04/12/16	3362.10	60.80	49.93	50.12	0.19	NA	0.25	9.75	3312.14	
RW-1	04/19/16	3362.10	60.80	49.88	50.23	0.35	NA	0.50	9.50	3312.17	
RW-1	04/27/16	3362.10	60.80	49.86	50.12	0.26	NA	0.50	9.50	3312.20	
RW-1	05/05/16	3362.10	60.80	49.85	50.05	0.20	NA	0.25	9.75	3312.22	
RW-1	05/12/16	3362.10	60.80	49.87	50.16	0.29	NA	0.25	9.75	3312.19	
RW-1	05/17/16	3362.10	60.80	49.87	50.20	0.33	NA	0.25	9.75	3312.18	Sampled
RW-1	05/26/16	3362.10	60.80	49.78	49.97	0.19	NA	0.50	9.50	3312.29	
RW-1	06/02/16	3362.10	60.80	49.82	50.10	0.28	NA	0.25	9.75	3312.24	
RW-1	06/10/16	3362.10	60.80	49.77	50.22	0.45	NA	0.50	9.50	3312.26	
RW-1	06/23/16	3362.10	60.80	49.79	50.13	0.34	NA	0.50	9.50	3312.26	
RW-1	06/27/16	3362.10	60.80	49.82	50.15	0.33	NA	1.00	9.00	3312.23	
RW-1	07/06/16	3362.10	60.80	49.79	50.07	0.28	NA	0.50	9.50	3312.27	
RW-1	07/15/16	3362.10	60.80	49.84	50.05	0.21	NA	0.25	9.75	3312.23	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	07/21/16	3362.10	60.80	49.81	50.12	0.31	NA	0.25	9.75	3312.24	
RW-1	07/26/16	3362.10	60.80	49.80	50.21	0.41	NA	1.00	9.00	3312.24	
RW-1	08/02/16	3362.10	60.80	49.86	50.06	0.20	NA	0.50	9.50	3312.21	
RW-1	08/08/16	3362.10	60.80	49.81	49.95	0.14	NA	sheen	10.00	3312.27	
RW-1	08/16/16	3362.10	60.80	49.84	50.01	0.17	NA	0.25	14.75	3312.23	
RW-1	08/23/16	3362.10	60.80	49.85	49.97	0.12	NA	0.25	9.75	3312.23	
RW-1	08/31/16	3362.10	60.80	49.89	49.99	0.10	NA	NA	NA	3312.20	
RW-1	09/07/16	3362.10	60.80	49.87	50.00	0.13	NA	0.25	9.75	3312.21	
RW-1	09/19/16	3362.10	60.80	49.86	49.93	0.07	NA	NA	NA	3312.23	
RW-1	09/27/16	3362.10	60.80	49.83	49.99	0.16	NA	0.25	9.75	3312.25	
RW-1	10/04/16	3362.10	60.80	49.76	49.88	0.12	NA	0.25	9.75	3312.32	
RW-1	10/11/16	3362.10	60.80	49.80	49.92	0.12	NA	0.25	9.75	3312.28	
RW-1	10/18/16	3362.10	60.80	49.81	49.90	0.09	NA	0.25	9.75	3312.28	
RW-1	11/02/16	3362.10	60.80	49.77	49.97	0.20	NA	0.25	9.75	3312.30	
RW-1	11/08/16	3362.10	60.80	49.76	50.01	0.25	NA	0.50	9.50	3312.30	
RW-1	11/15/16	3362.10	60.80	49.72	49.81	0.09	NA	0.50	9.50	3312.37	
RW-1	11/22/16	3362.10	60.80	49.74	49.89	0.15	NA	0.50	9.50	3312.34	
RW-1	11/30/16	3362.10	60.80	49.79	50.09	0.30	NA	0.25	9.75	3312.27	
RW-1	12/07/16	3362.10	60.80	49.76	49.86	0.10	NA	sheen	10.00	3312.33	
RW-1	12/14/16	3362.10	60.80	49.73	49.81	0.08	NA	NA	NA	3312.36	
RW-1	12/22/16	3362.10	60.80	49.72	49.87	0.15	NA	0.25	9.75	3312.36	
RW-1	12/28/16	3362.10	60.80	48.81	49.73	0.92	NA	0.25	9.75	3313.15	
RW-1	01/04/17	3362.10	60.80	49.72	49.86	0.14	NA	0.25	9.75	3312.36	
RW-1	01/10/17	3362.10	60.80	49.70	49.80	0.10	NA	sheen	10.00	3312.39	
RW-1	01/17/17	3362.10	60.80	49.73	49.81	0.08	NA	sheen	10.00	3312.36	
RW-1	01/24/17	3362.10	60.80	49.68	49.83	0.15	NA	0.25	9.75	3312.40	
RW-1	01/31/17	3362.10	60.80	49.68	49.78	0.10	NA	sheen	10.00	3312.41	
RW-1	02/07/17	3362.10	60.80	49.67	49.76	0.09	NA	sheen	10.00	3312.42	
RW-1	02/14/17	3362.10	60.80	49.68	49.78	0.10	NA	sheen	10.00	3312.41	
RW-1	02/22/17	3362.10	60.80	49.60	49.75	0.15	NA	sheen	10.00	3312.48	
RW-1	03/07/17	3362.10	60.80	49.72	49.81	0.09	NA	sheen	10.00	3312.37	
RW-1	03/14/17	3362.10	60.80	49.65	49.80	0.15	NA	sheen	10.00	3312.43	
RW-1	03/21/17	3362.10	60.80	49.62	49.70	0.08	NA	sheen	10.00	3312.47	
RW-1	03/28/17	3362.10	60.80	49.60	49.68	0.08	NA	sheen	10.00	3312.49	
RW-1	04/04/17	3362.10	60.80	49.63	49.70	0.07	NA	sheen	10.00	3312.46	
RW-1	04/11/17	3362.10	60.80	49.69	49.80	0.11	NA	sheen	10.00	3312.39	
RW-1	04/18/17	3362.10	60.80	49.63	49.75	0.12	NA	sheen	10.00	3312.45	
RW-1	04/25/17	3362.10	60.80	49.64	49.76	0.12	NA	sheen	10.00	3312.44	
RW-1	05/02/17	3362.10	60.80	49.65	49.77	0.12	NA	sheen	10.00	3312.43	
RW-1	05/08/17	3362.10	60.80	49.60	49.70	0.10	NA	NA	NA	3312.49	
RW-1	05/25/17	3362.10	60.80	49.68	49.79	0.11	NA	sheen	10.00	3312.40	
RW-1	06/01/17	3362.10	60.80	49.62	49.76	0.14	NA	sheen	10.00	3312.46	
RW-1	06/05/17	3362.10	60.80	49.61	49.70	0.09	NA	sheen	10.00	3312.48	
RW-1	06/13/17	3362.10	60.80	49.61	49.75	0.14	NA	sheen	10.00	3312.47	
RW-1	06/20/17	3362.10	60.80	49.63	49.75	0.12	NA	sheen	10.00	3312.45	
RW-1	06/27/17	3362.10	60.80	49.63	49.80	0.17	NA	sheen	10.00	3312.44	
RW-1	07/06/17	3362.10	60.80	49.68	49.85	0.17	NA	sheen	10.00	3312.39	
RW-1	07/11/17	3362.10	60.80	49.64	49.88	0.24	NA	sheen	10.00	3312.42	
RW-1	07/18/17	3362.10	60.80	49.68	49.89	0.21	NA	sheen	10.00	3312.39	
RW-1	07/25/17	3362.10	60.80	49.66	49.90	0.24	NA	sheen	10.00	3312.40	
RW-1	08/01/17	3362.10	60.80	49.70	49.88	0.18	NA	sheen	10.00	3312.37	
RW-1	08/08/17	3362.10	60.80	49.68	49.85	0.17	NA	sheen	10.00	3312.39	
RW-1	08/15/17	3362.10	60.80	49.65	49.78	0.13	NA	sheen	10.00	3312.43	
RW-1	08/22/17	3362.10	60.80	49.70	49.85	0.15	NA	sheen	10.00	3312.38	
RW-1	08/30/17	3362.10	60.80	49.71	49.85	0.14	NA	sheen	10.00	3312.37	
RW-1	09/07/17	3362.10	60.80	49.74	49.86	0.12	NA	sheen	10.00	3312.34	
RW-1	09/14/17	3362.10	60.80	49.70	49.80	0.10	NA	NA	NA	3312.39	
RW-1	09/27/17	3362.10	60.80	49.70	49.84	0.14	NA	sheen	10.00	3312.38	
RW-1	10/04/17	3362.10	60.80	49.76	49.90	0.14	NA	sheen	10.00	3312.32	
RW-1	10/12/17	3362.10	60.80	49.78	49.92	0.14	NA	sheen	10.00	3312.30	
RW-1	10/18/17	3362.10	60.80	49.72	49.95	0.23	NA	sheen	10.00	3312.35	
RW-1	10/26/17	3362.10	60.80	49.70	49.96	0.26	NA	0.25	9.75	3312.36	
RW-1	11/01/17	3362.10	60.80	49.60	49.62	0.02	NA	sheen	10.00	3312.50	
RW-1	11/09/17	3362.10	60.80	49.58	49.63	0.05	NA	sheen	10.00	3312.51	
RW-1	11/16/17	3362.10	60.80	49.57	49.60	0.03	NA	sheen	10.00	3312.53	
RW-1	11/28/17	3362.10	60.80	49.62	49.67	0.05	NA	NA	NA	3312.47	
RW-1	12/06/17	3362.10	60.80	49.58	49.71	0.13	NA	sheen	10.00	3312.50	
RW-1	12/13/17	3362.10	60.80	49.47	49.55	0.08	NA	sheen	10.00	3312.62	
RW-1	01/03/18	3362.10	60.80	49.50	49.58	0.08	NA	sheen	10.00	3312.59	
RW-1	01/10/18	3362.10	60.80	49.45	49.50	0.05	NA	sheen	10.00	3312.64	
RW-1	01/17/18	3362.10	60.80	49.51	49.54	0.03	NA	sheen	10.00	3312.59	
RW-1	01/25/18	3362.10	60.80	49.39	49.46	0.07	NA	sheen	10.00	3312.70	
RW-1	02/01/18	3362.10	60.80	50.50	50.60	0.10	NA	sheen	10.00	3311.59	
RW-1	02/14/18	3362.10	60.80	49.33	49.37	0.04	NA	sheen	10.00	3312.76	
RW-1	02/21/18	3362.10	60.80	49.38	49.41	0.03	NA	sheen	10.00	3312.72	
RW-1	02/28/18	3362.10	60.80	49.22	49.36	0.14	NA	sheen	10.00	3312.86	
RW-1	03/06/18	3362.10	60.80	49.31	49.34	0.03	NA	NA	NA	3312.79	
RW-1	03/15/18	3362.10	60.80	49.31	49.44	0.13	NA	sheen	10.00	3312.77	
RW-1	03/22/18	3362.10	60.80	49.36	49.44	0.08	NA	sheen	10.00	3312.73	
RW-1	03/28/18	3362.10	60.80	49.35	49.56	0.21	NA	0.25	9.75	3312.72	
RW-1	04/04/18	3362.10	60.80	49.37	49.56	0.19	NA	sheen	10.00	3312.70	
RW-1	04/11/18	3362.10	60.80	49.38	49.45	0.07	NA	sheen	10.00	3312.71	
RW-1	04/19/18	3362.10	60.80	49.41	49.47	0.06	NA	sheen	10.00	3312.68	
RW-1	04/24/18	3362.10	60.80	49.45	49.52	0.07	NA	sheen	10.00	3312.64	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	05/02/19	3362.10	60.80	49.27	49.30	0.03	NA	sheen	10.00	3312.83	
RW-1	05/09/18	3362.10	60.80	49.28	49.30	0.02	NA	sheen	10.00	3312.82	
RW-1	05/15/18	3362.10	60.80	49.26	49.29	0.03	NA	sheen	10.00	3312.84	
RW-1	05/22/18	3362.10	60.80	sheen	49.24	sheen	NA	NA	10.00	3312.86	
RW-1	05/30/18	3362.10	60.80	sheen	49.30	sheen	NA	NA	10.00	3312.80	
RW-1	06/12/18	3362.10	60.80	49.24	49.28	0.04	NA	sheen	10.00	3312.85	Sampled
RW-1	06/19/18	3362.10	60.80	49.25	49.28	0.03	NA	sheen	10.00	3312.85	
RW-1	06/29/18	3362.10	60.80	49.28	49.34	0.06	NA	sheen	10.00	3312.81	
RW-1	07/05/18	3362.10	60.80	49.25	49.28	0.03	NA	0.25	9.75	3312.85	
RW-1	07/11/18	3362.10	60.80	49.27	49.30	0.03	NA	0.25	9.75	3312.83	
RW-1	07/18/18	3362.10	60.80	49.18	49.25	0.07	NA	sheen	10.00	3312.91	
RW-1	07/26/18	3362.10	60.80	49.23	49.36	0.13	NA	sheen	10.00	3312.85	
RW-1	07/31/18	3362.10	60.80	49.20	49.30	0.10	NA	sheen	10.00	3312.89	
RW-1	08/07/18	3362.10	60.80	49.16	49.26	0.10	NA	sheen	10.00	3312.93	
RW-1	08/14/18	3362.10	60.80	49.20	49.26	0.06	NA	sheen	10.00	3312.89	
RW-1	08/21/18	3362.10	60.80	49.18	49.25	0.07	NA	sheen	10.00	3312.91	
RW-1	08/30/18	3362.10	60.80	49.24	49.29	0.05	NA	sheen	10.00	3312.85	
RW-1	09/05/18	3362.10	60.80	49.22	49.26	0.04	NA	Sheen	10.00	3312.87	
RW-1	09/18/18	3362.10	60.80	49.16	49.22	0.06	NA	Sheen	10.00	3312.93	
RW-1	09/26/18	3362.10	60.80	49.20	49.25	0.05	NA	Sheen	10.00	3312.89	
RW-1	10/03/18	3362.10	60.80	49.24	49.27	0.03	NA	Sheen	10.00	3312.86	
RW-1	10/11/18	3362.10	60.80	49.21	49.27	0.06	NA	Sheen	10.00	3312.88	
RW-1	10/17/18	3362.10	60.80	49.02	49.09	0.07	NA	Sheen	10.00	3313.07	
RW-1	10/24/18	3362.10	60.80	49.11	49.20	0.09	NA	Sheen	10.00	3312.98	
RW-1	10/31/18	3362.10	60.80	49.13	49.17	0.04	NA	Sheen	10.00	3312.96	
RW-1	11/06/18	3362.10	60.80	49.11	49.13	0.02	NA	Sheen	10.00	3312.99	
RW-1	11/13/18	3362.10	60.80	49.16	49.26	0.10	NA	Sheen	10.00	3312.93	
RW-1	11/21/19	3362.10	60.80	49.19	49.20	0.01	NA	Sheen	10.00	3312.91	
RW-1	11/27/18	3362.10	61.65	49.18	49.20	0.02	NA	Sheen	10.00	3312.92	
RW-1	12/07/18	3362.10	60.80	49.20	49.25	0.05	NA	Sheen	10.00	3312.89	
RW-1	12/12/18	3362.10	60.80	49.22	49.28	0.06	NA	Sheen	10.00	3312.87	
RW-1	12/18/18	3362.10	60.80	49.18	49.25	0.07	NA	Sheen	10.00	3312.91	
RW-1	01/03/19	3362.10	60.80	49.26	49.30	0.04	NA	sheen	10.00	3312.83	
RW-1	01/08/19	3362.10	60.80	49.31	49.36	0.05	NA	sheen	10.00	3312.78	
RW-1	01/29/19	3362.10	60.80	sheen	49.00	sheen	NA	sheen	10.00	3313.10	
RW-1	02/05/19	3362.10	60.80	sheen	49.10	sheen	NA	sheen	10.00	3313.00	
RW-1	02/12/19	3362.10	60.80	49.05	49.08	0.03	NA	sheen	10.00	3313.05	Sampled
RW-1	02/27/19	3362.10	60.80	49.11	49.14	0.03	NA	sheen	10.00	3312.99	
RW-1	03/06/19	3362.10	60.80	49.14	49.18	0.04	NA	sheen	10.00	3312.95	
RW-1	03/12/19	3362.10	60.80	49.16	49.21	0.05	NA	sheen	10.00	3312.93	
RW-1	03/21/19	3362.10	60.80	49.17	49.24	0.07	NA	sheen	10.00	3312.92	
RW-1	03/28/19	3362.10	60.80	49.21	49.25	0.04	NA	sheen	10.00	3312.88	
RW-1	04/02/19	3362.10	60.80	49.18	49.26	0.08	NA	sheen	10.00	3312.91	
RW-1	04/10/19	3362.10	60.80	49.14	49.20	0.06	NA	sheen	10.00	3312.95	
RW-1	04/16/19	3362.10	60.80	49.20	49.24	0.04	NA	sheen	10.00	3312.89	
RW-1	04/24/19	3362.10	60.80	49.24	49.29	0.05	NA	sheen	10.00	3312.85	
RW-1	05/01/19	3362.10	60.80	49.76	49.78	0.02	NA	sheen	10.00	3312.34	
RW-1	05/08/19	3362.10	60.80	sheen	48.81	sheen	NA	sheen	10.00	3313.29	
RW-1	05/17/19	3362.10	60.80	48.84	48.85	0.01	NA	Sheen	10.00	3313.26	
RW-1	05/24/19	3362.10	60.80	48.87	48.89	0.02	NA	Sheen	10.00	3313.23	
RW-1	06/05/19	3362.10	60.80	48.89	48.94	0.05	NA	Sheen	10.00	3313.20	
RW-1	06/14/19	3362.10	60.80	sheen	48.78	sheen	NA	NA	NA	3313.32	
RW-1	06/20/19	3362.10	60.80	48.91	48.97	0.06	NA	Sheen	10.00	3313.18	
RW-1	06/25/19	3362.10	60.80	sheen	48.79	sheen	NA	Sheen	10.00	3313.31	
RW-1	07/02/19	3362.10	60.80	48.80	48.81	0.01	NA	Sheen	10.00	3313.30	
RW-1	07/10/19	3362.10	60.80	sheen	48.82	sheen	NA	Sheen	10.00	3313.28	
RW-1	07/26/19	3362.10	60.80	48.86	48.88	0.02	NA	Sheen	10.00	3313.24	
RW-1	08/11/19	3362.10	60.80	48.83	48.91	0.08	NA	Sheen	10.00	3313.26	
RW-1	08/14/19	3362.10	60.80	sheen	48.81	sheen	NA	Sheen	10.00	3313.29	
RW-1	08/21/19	3362.10	61.65	sheen	48.81	sheen	NA	Sheen	10.00	3313.29	
RW-1	09/06/19	3362.10	60.80	sheen	48.82	sheen	NA	NA	NA	3313.28	
RW-1	09/12/19	3362.10	60.80	sheen	48.82	sheen	NA	NA	NA	3313.28	
RW-1	09/19/19	3362.10	60.80	sheen	48.76	sheen	NA	NA	NA	3313.34	
RW-1	09/26/19	3362.10	60.80	49.20	49.25	0.05	NA	sheen	10.00	3312.89	
RW-1	10/16/19	3362.10	60.80	sheen	48.82	sheen	NA	Sheen	10.00	3313.28	
RW-1	10/23/19	3362.10	60.80	sheen	48.78	sheen	NA	NA	NA	3313.32	
RW-1	10/31/19	3362.10	60.80	ND	48.82	ND	NA	NA	NA	3313.28	
RW-1	11/05/19	3362.10	60.80	ND	48.78	ND	NA	NA	NA	3313.32	
RW-1	11/14/19	3362.10	60.80	ND	48.81	ND	NA	NA	NA	3313.29	
RW-1	11/26/19	3362.10	60.80	ND	48.71	ND	NA	NA	NA	3313.39	
RW-1	12/03/19	3362.10	60.80	ND	48.74	ND	NA	NA	NA	3313.36	
RW-1	12/13/19	3362.10	60.80	ND	48.75	ND	NA	NA	NA	3313.35	
RW-1	12/20/19	3362.10	60.80	ND	48.74	ND	NA	Sheen	10.00	3313.36	
RW-1	12/26/19	3362.10	60.80	ND	48.72	ND	NA	Sheen	10.00	3313.38	
RW-1	01/02/20	3362.10	60.80	ND	48.76	ND	NA	sheen	10.00	3313.34	
RW-1	01/09/20	3362.10	60.80	ND	48.69	ND	NA	sheen	10.00	3313.41	
RW-1	01/14/20	3362.10	60.80	ND	48.70	ND	NA	sheen	10.00	3313.40	
RW-1	01/31/20	3362.10	60.80	sheen	48.68	sheen	NA	sheen	10.00	3313.42	
RW-1	02/07/20	3362.10	60.80	48.65	48.68	0.03	NA	Sheen	10.00	3313.45	
RW-1	02/12/20	3362.10	60.80	sheen	48.63	sheen	NA	sheen	10.00	3313.47	
RW-1	02/19/20	3362.10	60.80	sheen	48.66	sheen	NA	sheen	10.00	3313.44	
RW-1	02/26/20	3362.10	60.80	sheen	48.71	sheen	NA	sheen	10.00	3313.39	
RW-1	03/05/20	3362.10	60.80	sheen	48.68	sheen	NA	sheen	10.00	3313.42	
RW-1	03/11/20	3362.10	60.80	sheen	48.63	sheen	NA	sheen	10.00	3313.47	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-1	03/17/20	3362.10	60.80	sheen	48.85	sheen	NA	sheen	10.00	3313.25	
RW-1	03/23/20	3362.10	60.80	sheen	48.60	sheen	NA	sheen	10.00	3313.50	
RW-1	05/07/20	3362.10	60.80	48.52	48.56	0.04	NA	NA	NA	3313.57	gauge only
RW-1	05/20/20	3362.10	60.80	48.47	48.51	0.04	NA	0.25	9.75	3313.62	
RW-1	06/03/20	3362.10	60.80	ND	48.47	ND	NA	NA	NA	3313.63	
RW-1	06/16/20	3362.10	60.80	sheen	49.21	sheen	NA	0.25	9.75	3312.89	
RW-1	07/14/20	3362.10	60.80	sheen	48.46	sheen	NA	Sheen	10.00	3313.64	
RW-1	08/18/20	3362.10	60.80	ND	48.49	ND	NA	Sheen	10.00	3313.61	
RW-1	09/16/20	3362.10	60.80	48.47	48.51	0.04	NA	0.25	9.75	3313.62	
RW-1	10/08/20	3362.10	60.80	sheen	48.56	sheen	NA	0.25	9.75	3313.54	
RW-1	11/20/20	3362.10	60.80	ND	48.49	ND	NA	sheen	10.00	3313.61	
RW-1	12/04/20	3362.10	60.80	sheen	48.39	sheen	NA	Sheen	10.00	3313.71	
RW-1	12/22/20	3362.10	61.65	ND	48.54	ND	NA	Sheen	10.00	3313.56	
RW-2	03/28/06	3362.00	NG	49.67	49.68	0.01	NA	NA	NA	3312.33	
RW-2	03/29/06	3362.00	NG	ND	49.65	ND	NA	NA	NA	3312.35	
RW-2	04/13/06	3362.00	NG	49.58	50.08	0.50	Hand Bailed	0.50	0.00	3312.35	
RW-2	04/13/06	3362.00	NG	49.58	50.08	0.50	NA	NA	NA	3312.35	
RW-2	04/25/06	3362.00	NG	49.65	49.99	0.34	Hand Bailed	0.60	0.00	3312.30	
RW-2	04/25/06	3362.00	NG	50.00	50.01	0.01	NA	NA	NA	3312.00	
RW-2	05/03/06	3362.00	NG	49.55	49.91	0.36	Hand Bailed	0.50	0.00	3312.40	
RW-2	05/03/06	3362.00	NG	49.56	49.68	0.12	NA	NA	NA	3312.42	
RW-2	05/11/06	3362.00	NG	49.65	49.81	0.16	Hand Bailed	0.25	0.00	3312.33	
RW-2	05/11/06	3362.00	NG	ND	50.32	ND	NA	NA	NA	3311.68	
RW-2	05/24/06	3362.00	NG	49.62	50.08	0.46	Hand Bailed	0.50	0.00	3312.31	
RW-2	05/24/06	3362.00	NG	51.22	51.23	0.01	NA	NA	NA	3310.78	
RW-2	06/07/06	3362.00	NG	49.68	49.95	0.27	Hand Bailed	0.30	0.00	3312.28	
RW-2	06/07/06	3362.00	NG	49.75	49.77	0.02	NA	NA	NA	3312.25	
RW-2	06/15/06	3362.00	NG	49.58	49.80	0.22	NA	NA	NA	3312.39	
RW-2	06/29/06	3362.00	NG	49.51	50.30	0.79	Hand Bailed	0.85	0.00	3312.37	
RW-2	06/29/06	3362.00	NG	ND	49.73	ND	NA	NA	NA	3312.27	
RW-2	07/11/06	3362.00	NG	49.58	49.80	0.22	NA	NA	NA	3312.39	
RW-2	07/25/06	3362.00	NG	49.88	49.97	0.09	NA	NA	NA	3312.11	
RW-2	08/09/06	3362.00	63.95	49.65	50.10	0.45	Hand Bailed	0.00	10.00	3312.28	
RW-2	08/22/06	3362.00	NG	49.57	50.34	0.77	Hand Bailed	0.75	9.25	3312.31	
RW-2	08/22/06	3362.00	NG	49.93	49.97	0.04	NA	NA	NA	3312.06	
RW-2	09/12/06	3362.00	63.86	50.30	50.70	0.40	NA	NA	NA	3311.64	
RW-2	09/19/06	3362.00	NG	49.54	50.01	0.47	Hand Bailed	0.50	9.50	3312.39	
RW-2	09/19/06	3362.00	NG	49.93	50.00	0.07	NA	NA	NA	3312.06	
RW-2	10/03/06	3362.00	NG	49.50	49.99	0.49	Hand Bailed	0.50	9.50	3312.43	
RW-2	10/03/06	3362.00	NG	50.02	50.03	0.01	NA	NA	NA	3311.98	Installed Sock
RW-2	10/17/06	3362.00	NG	49.50	50.10	0.60	Hand Bailed	0.75	4.25	3312.41	
RW-2	10/17/06	3362.00	NG	50.18	50.19	0.01	NA	NA	NA	3311.82	Removed sock
RW-2	10/31/06	3362.00	NG	49.50	50.75	1.25	Hand Bailed	1.50	3.50	3312.31	
RW-2	10/31/06	3362.00	NG	50.78	50.84	0.06	NA	NA	NA	3311.21	Installed Sock
RW-2	11/15/06	3362.00	NG	49.44	50.30	0.86	Hand Bailed	0.50	9.50	3312.43	
RW-2	11/15/06	3362.00	NG	49.80	49.90	0.10	NA	NA	NA	3312.19	
RW-2	12/06/06	3362.00	49.39	50.23	51.10	0.87	NA	NA	NA	3311.64	Removed sock
RW-2	12/13/06	3362.00	NG	49.28	50.27	0.99	Hand Bailed	1.25	3.75	3312.57	
RW-2	12/13/06	3362.00	NG	51.10	51.13	0.03	NA	NA	NA	3310.90	No Sock
RW-2	12/20/06	3362.00	NG	49.21	50.76	1.55	Hand Bailed	0.75	9.25	3312.56	
RW-2	12/27/06	3362.00	NG	49.27	50.20	0.93	Hand Bailed	1.00	4.00	3312.59	
RW-2	12/27/06	3362.00	NG	ND	50.18	ND	NA	NA	NA	3311.82	No Sock
RW-2	01/03/07	3362.00	NG	49.29	50.29	1.00	Hand Bailed	0.75	9.25	3312.56	
RW-2	01/03/07	3362.00	NG	ND	50.21	ND	NA	NA	NA	3311.79	No Sock
RW-2	01/09/07	3362.00	NG	49.45	50.23	0.78	Hand Bailed	0.75	4.00	3312.43	
RW-2	01/09/07	3362.00	NG	ND	50.24	ND	NA	NA	NA	3311.76	No Sock
RW-2	01/18/07	3362.00	NG	49.36	50.00	0.64	Hand Bailed	1.50	8.50	3312.54	
RW-2	01/18/07	3362.00	NG	49.95	49.97	0.02	NA	NA	NA	3312.05	No Sock
RW-2	01/22/07	3362.00	NG	49.27	50.07	0.80	Hand Bailed	0.25	9.75	3312.61	
RW-2	01/22/07	3362.00	NG	49.60	49.63	0.03	NA	NA	NA	3312.40	No Sock
RW-2	02/01/07	3362.00	NG	49.28	49.86	0.58	Hand Bailed	0.75	9.25	3312.63	
RW-2	02/01/07	3362.00	NG	49.83	49.85	0.02	NA	NA	NA	3312.17	No Sock
RW-2	02/07/07	3362.00	NG	49.22	49.94	0.72	Hand Bailed	0.75	9.00	3312.67	
RW-2	02/07/07	3362.00	NG	49.83	49.85	0.02	NA	NA	NA	3312.17	No Sock
RW-2	02/14/07	3362.00	NG	49.21	49.96	0.75	Hand Bailed	0.50	9.00	3312.68	
RW-2	02/14/07	3362.00	NG	49.92	49.94	0.02	NA	NA	NA	3312.08	No Sock
RW-2	02/21/07	3362.00	NG	49.18	49.93	0.75	Hand Bailed	0.75	9.00	3312.71	
RW-2	02/28/07	3362.00	NG	ND	49.99	ND	NA	NA	NA	3312.01	No Sock
RW-2	03/07/07	3362.00	NG	49.22	50.38	1.16	Hand Bailed	1.50	6.00	3312.61	
RW-2	03/07/07	3362.00	NG	49.55	49.62	0.07	NA	NA	NA	3312.44	No Sock
RW-2	03/14/07	3362.00	NG	49.22	49.81	0.59	Hand Bailed	0.75	9.00	3312.69	
RW-2	03/14/07	3362.00	NG	49.70	49.73	0.03	NA	NA	NA	3312.30	No Sock
RW-2	03/21/07	3362.00	NG	49.26	49.76	0.50	Hand Bailed	0.50	1.00	3312.67	
RW-2	03/21/07	3362.00	NG	49.67	49.69	0.02	NA	NA	NA	3312.33	No Sock
RW-2	03/28/07	3362.00	NG	49.12	49.96	0.84	Hand Bailed	0.75	0.75	3312.75	
RW-2	03/28/07	3362.00	NG	49.60	49.69	0.09	NA	NA	NA	3312.39	No Sock
RW-2	04/03/07	3362.00	NG	49.22	49.80	0.58	Hand Bailed	0.50	0.50	3312.69	
RW-2	04/03/07	3362.00	NG	49.42	49.46	0.04	NA	NA	NA	3312.57	No Sock
RW-2	04/10/07	3362.00	NG	49.20	49.91	0.71	Hand Bailed	0.50	0.50	3312.69	
RW-2	04/10/07	3362.00	NG	49.37	49.40	0.03	NA	NA	NA	3312.63	No Sock
RW-2	04/18/07	3362.00	NG	49.20	50.03	0.83	Hand Bailed	1.50	8.00	3312.68	
RW-2	04/18/07	3362.00	NG	49.37	49.40	0.03	NA	NA	NA	3312.63	No Sock
RW-2	04/24/07	3362.00	NG	49.02	50.20	1.18	Hand Bailed	1.50	8.00	3312.80	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	04/24/07	3362.00	NG	49.42	49.51	0.09	NA	NA	NA	3312.57	No Sock
RW-2	05/03/07	3362.00	NG	49.12	49.88	0.76	Hand Bailed	1.00	9.00	3312.77	
RW-2	05/03/07	3362.00	NG	49.50	49.52	0.02	NA	NA	NA	3312.50	No Sock
RW-2	05/11/07	3362.00	NG	49.21	49.68	0.47	Hand Bailed	0.50	9.00	3312.72	
RW-2	05/11/07	3362.00	NG	48.53	48.58	0.05	NA	NA	NA	3313.46	No Sock
RW-2	05/16/07	3362.00	NG	49.24	49.58	0.34	Hand Bailed	0.25	9.50	3312.71	
RW-2	05/16/07	3362.00	NG	ND	49.65	ND	NA	NA	NA	3312.35	No Sock
RW-2	05/23/07	3362.00	NG	49.14	49.56	0.42	Hand Bailed	1.00	9.00	3312.80	
RW-2	05/23/07	3362.00	NG	49.28	49.31	0.03	NA	NA	NA	3312.72	No Sock
RW-2	05/31/07	3362.00	NG	49.10	49.61	0.51		0.50	2.00	3312.82	No Sock
RW-2	06/06/07	3362.00	63.90	49.13	49.49	0.36	Hand Bailed	0.50	9.00	3312.82	
RW-2	06/06/07	3362.00	63.90	ND	49.34	ND	NA	NA	NA	3312.66	No Sock
RW-2	06/13/07	3362.00	63.90	49.15	49.48	0.33	Hand Bailed	0.50	9.00	3312.80	
RW-2	06/13/07	3362.00	63.90	ND	49.52	ND	NA	NA	NA	3312.48	No Sock
RW-2	06/19/07	3362.00	63.90	49.15	49.66	0.51	Hand Bailed	0.50	9.00	3312.77	
RW-2	06/19/07	3362.00	63.90	49.38	49.39	0.01	NA	NA	NA	3312.62	No Sock
RW-2	06/27/07	3362.00	63.90	49.31	49.63	0.32	Hand Bailed	0.50	9.00	3312.64	
RW-2	06/27/07	3362.00	63.90	ND	49.67	ND	NA	NA	NA	3312.33	No Sock
RW-2	07/05/07	3362.00	62.75	49.05	49.70	0.65	Hand Bailed	0.00	10.00	3312.85	
RW-2	07/05/07	3362.00	62.75	ND	49.47	ND	NA	NA	NA	3312.53	No Sock
RW-2	07/11/07	3362.00	62.75	49.49	49.76	0.27	Hand Bailed	0.50	9.00	3312.47	
RW-2	07/11/07	3362.00	62.75	ND	49.52	ND	NA	NA	NA	3312.48	No Sock
RW-2	07/19/07	3362.00	62.75	49.05	49.64	0.59	Hand Bailed	0.50	9.00	3312.86	
RW-2	07/19/07	3362.00	62.75	49.26	49.30	0.04	NA	NA	NA	3312.73	No Sock
RW-2	07/24/07	3362.00	62.75	49.00	49.70	0.70	Hand Bailed	0.75	9.00	3312.90	
RW-2	07/24/07	3362.00	62.75	49.52	49.58	0.06	NA	NA	NA	3312.47	No Sock
RW-2	07/31/07	3362.00	62.75	49.00	49.70	0.70	Hand Bailed	0.50	9.00	3312.90	
RW-2	07/31/07	3362.00	62.75	49.10	49.14	0.04	NA	NA	NA	3312.89	No Sock
RW-2	08/09/07	3362.00	62.75	49.21	49.86	0.65	Hand Bailed	0.75	9.00	3312.69	
RW-2	08/09/07	3362.00	62.75	ND	49.71	ND	NA	NA	NA	3312.29	No Sock
RW-2	08/15/07	3362.00	62.75	49.21	49.86	0.65	Hand Bailed	0.50	9.00	3312.69	
RW-2	08/15/07	3362.00	62.75	ND	49.73	ND	NA	NA	NA	3312.27	No Sock
RW-2	08/22/07	3362.00	62.75	49.12	49.99	0.87	Hand Bailed	0.75	9.00	3312.75	
RW-2	08/22/07	3362.00	62.75	ND	49.88	ND	NA	NA	NA	3312.12	No Sock
RW-2	08/28/07	3362.00	62.75	49.34	50.13	0.79	Hand Bailed	0.75	9.00	3312.54	
RW-2	08/28/07	3362.00	62.75	50.00	50.02	0.02	NA	NA	NA	3312.00	No Sock
RW-2	09/06/07	3362.00	62.75	49.36	49.88	0.52	Hand Bailed	0.50	9.00	3312.56	
RW-2	09/06/07	3362.00	62.75	ND	49.84	ND	NA	NA	NA	3312.16	No Sock
RW-2	09/13/07	3362.00	62.75	49.32	49.89	0.57	Hand Bailed	0.75	9.00	3312.59	
RW-2	09/13/07	3362.00	62.75	49.90	49.92	0.02	NA	NA	NA	3312.10	No Sock
RW-2	09/18/07	3362.00	62.75	49.24	49.81	0.57	Hand Bailed	0.50	9.00	3312.67	
RW-2	09/18/07	3362.00	62.75	49.86	49.87	0.01	NA	NA	NA	3312.14	No Sock
RW-2	09/26/07	3362.00	62.75	49.29	49.86	0.57	Hand Bailed	0.50	9.00	3312.62	
RW-2	09/26/07	3362.00	62.75	ND	49.94	ND	NA	NA	NA	3312.06	No Sock
RW-2	10/04/07	3362.00	62.75	49.36	49.90	0.54	Hand Bailed	0.50	9.00	3312.56	
RW-2	10/04/07	3362.00	62.75	50.06	50.11	0.05	NA	NA	NA	3311.93	No Sock
RW-2	10/10/07	3362.00	62.75	49.10	49.40	0.30	Hand Bailed	0.50	9.00	3312.86	
RW-2	10/10/07	3362.00	62.75	49.84	49.86	0.02	NA	NA	NA	3312.16	No Sock
RW-2	10/17/07	3362.00	62.75	49.12	49.43	0.31	Hand Bailed	0.50	9.00	3312.83	
RW-2	10/17/07	3362.00	62.75	49.80	49.82	0.02	NA	NA	NA	3312.20	No Sock
RW-2	10/24/07	3362.00	62.75	49.13	49.93	0.80	Hand Bailed	0.50	50.00	3312.75	
RW-2	10/24/07	3362.00	62.75	49.28	49.29	0.01	NA	NA	NA	3312.72	No Sock
RW-2	10/31/07	3362.00	62.75	49.15	49.58	0.43	Hand Bailed	0.50	50.00	3312.79	
RW-2	10/31/07	3362.00	62.75	49.21	49.22	0.01	NA	NA	NA	3312.79	No Sock
RW-2	11/07/07	3362.00	62.75	49.20	49.66	0.46	Hand Bailed	0.50	9.00	3312.73	
RW-2	11/07/07	3362.00	62.75	49.26	49.28	0.02	NA	NA	NA	3312.74	No Sock
RW-2	11/13/07	3362.00	62.75	ND	49.88	ND	NA	NA	NA	3312.12	No Sock
RW-2	11/20/07	3362.00	62.75	49.02	49.91	0.89		1.00	8.00	3312.85	No Sock
RW-2	11/27/07	3362.00	62.75	49.00	49.94	0.94	NA	NA	NA	3312.86	No Sock
RW-2	12/05/07	3362.00	62.75	48.86	49.60	0.74	Hand Bailed	1.00	8.00	3313.03	
RW-2	12/05/07	3362.00	62.75	ND	49.36	ND	NA	NA	NA	3312.64	No Sock
RW-2	12/12/07	3362.00	62.75	48.93	49.58	0.65	Hand Bailed	1.00	8.00	3312.97	
RW-2	12/12/07	3362.00	62.75	ND	49.48	ND	NA	NA	NA	3312.52	No Sock
RW-2	12/18/07	3362.00	62.75	49.15	49.90	0.75	Hand Bailed	1.00	9.00	3312.74	
RW-2	12/18/07	3362.00	62.75	ND	50.23	ND	NA	NA	NA	3311.77	No Sock
RW-2	12/27/07	3362.00	62.75	49.11	49.87	0.76	Hand Bailed	1.00	8.00	3312.78	
RW-2	12/27/07	3362.00	62.75	ND	50.18	ND	NA	NA	NA	3311.82	No Sock
RW-2	01/03/08	3362.00	62.75	49.06	49.92	0.86	Hand Bailed	1.00	4.00	3312.81	
RW-2	01/03/08	3362.00	62.75	50.02	50.08	0.06	NA	NA	NA	3311.97	No Sock
RW-2	01/09/08	3362.00	62.75	49.11	49.91	0.80	Hand Bailed	1.50	8.50	3312.77	
RW-2	01/09/08	3362.00	62.75	49.90	49.93	0.03	NA	NA	NA	3312.10	No Sock
RW-2	01/17/08	3362.00	62.75	48.55	49.75	1.20	Hand Bailed	1.00	9.00	3313.27	
RW-2	01/17/08	3362.00	62.75	ND	50.50	ND	NA	NA	NA	3311.50	No Sock
RW-2	01/23/08	3362.00	62.75	49.12	49.55	0.43	Hand Bailed	1.00	9.00	3312.82	
RW-2	01/30/08	3362.00	62.75	49.02	49.65	0.63	Hand Bailed	1.00	19.00	3312.89	
RW-2	01/30/08	3362.00	62.75	ND	50.60	ND	NA	NA	NA	3311.40	No Sock
RW-2	02/06/08	3362.00	62.75	48.08	48.50	0.42	Hand Bailed	1.00	19.00	3313.86	
RW-2	02/06/08	3362.00	62.75	ND	50.02	ND	NA	NA	NA	3311.98	No Sock
RW-2	02/13/08	3362.00	62.75	ND	49.03	ND	Hand Bailed	1.00	19.00	3312.97	
RW-2	02/13/08	3362.00	62.75	50.00	50.01	0.01	NA	NA	NA	3312.00	No Sock
RW-2	02/18/08	3362.00	62.75	49.11	49.39	0.28	Hand Bailed	1.00	19.00	3312.85	
RW-2	02/18/08	3362.00	62.75	ND	48.95	ND	NA	NA	NA	3313.05	No Sock
RW-2	02/27/08	3362.00	62.75	49.14	49.38	0.24	Hand Bailed	1.00	19.00	3312.82	
RW-2	02/27/08	3362.00	62.75	ND	50.07	ND	NA	NA	NA	3311.93	No Sock

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	03/04/08	3362.00	62.75	49.10	49.38	0.28	Hand Bailed	0.25	20.00	3312.86	
RW-2	03/04/08	3362.00	62.75	ND	50.42	ND	NA	NA	NA	3311.58	No Sock
RW-2	03/12/08	3362.00	62.75	49.05	49.44	0.39	Hand Bailed	1.00	19.00	3312.89	
RW-2	03/12/08	3362.00	62.75	ND	50.30	ND	NA	NA	NA	3311.70	No Sock
RW-2	03/19/08	3362.00	62.75	49.11	49.41	0.30	Hand Bailed	0.50	19.00	3312.85	
RW-2	03/19/08	3362.00	62.75	ND	50.49	ND	NA	NA	NA	3311.51	No Sock
RW-2	03/26/08	3362.00	62.75	49.06	49.66	0.60	Hand Bailed	0.50	19.00	3312.85	
RW-2	03/26/08	3362.00	62.75	ND	50.15	ND	NA	NA	NA	3311.85	No Sock
RW-2	04/02/08	3362.00	62.75	49.08	49.45	0.37	Pumped	0.50	19.00	3312.86	
RW-2	04/02/08	3362.00	62.75	ND	50.08	ND	NA	NA	NA	3311.92	No Sock
RW-2	04/09/08	3362.00	62.75	49.04	49.33	0.29	Pumped	0.50	19.00	3312.92	
RW-2	04/09/08	3362.00	62.75	ND	50.00	ND	NA	NA	NA	3312.00	No Sock
RW-2	04/16/08	3362.00	62.75	49.09	49.39	0.30	Pumped	0.50	19.00	3312.87	
RW-2	04/16/08	3362.00	62.75	ND	50.16	ND	NA	NA	NA	3311.84	No Sock
RW-2	04/24/08	3362.00	62.75	49.06	49.65	0.59	NA	NA	NA	3312.85	No Sock
RW-2	04/30/08	3362.00	62.75	49.01	49.77	0.76	Pumped	0.50	19.00	3312.88	
RW-2	04/30/08	3362.00	62.75	ND	50.00	ND	NA	NA	NA	3312.00	No Sock
RW-2	05/07/08	3362.00	62.75	48.98	49.80	0.82	Pumped	0.50	19.00	3312.90	
RW-2	05/07/08	3362.00	62.75	ND	50.28	ND	NA	NA	NA	3311.72	No Sock
RW-2	05/14/08	3362.00	62.75	48.91	49.85	0.94	Pumped	0.75	19.00	3312.95	
RW-2	05/14/08	3362.00	62.75	ND	50.36	ND	NA	NA	NA	3311.64	No Sock
RW-2	05/22/08	3362.00	62.75	48.98	49.82	0.84	Pumped	0.75	19.00	3312.89	
RW-2	05/22/08	3362.00	62.75	ND	50.43	ND	NA	NA	NA	3311.57	No Sock
RW-2	05/28/08	3362.00	62.75	49.05	49.99	0.94	Pumped	1.00	26.00	3312.81	
RW-2	05/28/08	3362.00	62.75	ND	50.21	ND	NA	NA	NA	3311.79	No Sock
RW-2	06/04/08	3362.00	62.75	49.10	49.86	0.76	Pumped	1.00	19.00	3312.79	
RW-2	06/04/08	3362.00	62.75	ND	50.96	ND	NA	NA	NA	3311.04	No Sock
RW-2	06/11/08	3362.00	62.75	49.09	49.90	0.81	Pumped	1.00	19.00	3312.79	
RW-2	06/11/08	3362.00	62.75	ND	51.21	ND	NA	NA	NA	3310.79	No Sock
RW-2	06/18/08	3362.00	62.75	49.10	50.01	0.91	Pumped	1.00	19.00	3312.76	
RW-2	06/18/08	3362.00	62.75	ND	50.86	ND	NA	NA	NA	3311.14	No Sock
RW-2	06/26/08	3362.00	62.75	49.14	50.08	0.94	Pumped	1.00	19.00	3312.72	
RW-2	06/26/08	3362.00	62.75	ND	59.12	ND	NA	NA	NA	3302.88	No Sock
RW-2	07/02/08	3362.00	62.75	49.20	50.04	0.84	Pumped	1.00	19.00	3312.67	
RW-2	07/02/08	3362.00	62.75	ND	51.20	ND	NA	NA	NA	3310.80	No Sock
RW-2	07/07/08	3362.00	62.75	49.20	50.13	0.93	Pumped	1.00	19.00	3312.66	
RW-2	07/07/08	3362.00	62.75	ND	50.26	ND	NA	NA	NA	3311.74	No Sock
RW-2	07/16/08	3362.00	62.75	49.21	50.18	0.97	Pumped	1.00	19.00	3312.64	
RW-2	07/16/08	3362.00	62.75	ND	50.48	ND	NA	NA	NA	3311.52	No Sock
RW-2	07/22/08	3362.00	62.75	49.26	50.24	0.98	Pumped	1.00	19.00	3312.59	
RW-2	07/22/08	3362.00	62.75	ND	50.56	ND	NA	NA	NA	3311.44	No Sock
RW-2	07/29/08	3362.00	62.75	49.30	50.29	0.99	Pumped	1.00	19.00	3312.55	
RW-2	07/29/08	3362.00	62.75	ND	51.12	ND	NA	NA	NA	3310.88	No Sock
RW-2	08/06/08	3362.00	62.75	49.23	50.25	1.02	Pumped	1.00	19.00	3312.62	
RW-2	08/06/08	3362.00	62.75	ND	50.89	ND	NA	NA	NA	3311.11	No Sock
RW-2	08/13/08	3362.00	62.75	49.28	50.33	1.05	Pumped	1.00	4.00	3312.56	
RW-2	08/13/08	3362.00	62.75	ND	51.06	ND	NA	NA	NA	3310.94	No Sock
RW-2	08/18/08	3362.00	62.75	NG	NG	NG	NA	NA	NA	NG	No Sock
RW-2	08/27/08	3362.00	62.75	49.33	50.39	1.06	NA	NA	NA	3312.51	No Sock
RW-2	09/02/08	3362.00	62.75	49.28	50.43	1.15	NA	NA	NA	3312.55	No Sock
RW-2	09/09/08	3362.00	62.75	49.28	50.44	1.16	NA	NA	NA	3312.55	No Sock
RW-2	09/16/08	3362.00	62.75	49.18	50.87	1.69	Pumped	2.00	9.00	3312.57	
RW-2	09/16/08	3362.00	62.75	ND	49.62	ND	NA	NA	NA	3312.38	
RW-2	09/24/08	3362.00	62.75	49.19	50.85	1.66	Pumped	1.00	9.00	3312.56	
RW-2	09/24/08	3362.00	62.75	ND	50.75	ND	NA	NA	NA	3311.25	
RW-2	10/01/08	3362.00	62.75	49.15	50.62	1.47	Pumped	2.00	10.00	3312.63	
RW-2	10/01/08	3362.00	62.75	ND	49.95	ND	NA	NA	NA	3312.05	
RW-2	10/08/08	3362.00	62.75	ND	49.40	ND	Pumped	2.00	18.00	3312.60	
RW-2	10/08/08	3362.00	62.75	49.20	50.52	1.32	NA	NA	NA	3312.60	
RW-2	10/15/08	3362.00	62.75	49.28	50.27	0.99	Pumped	4.00	36.00	3312.57	
RW-2	10/22/08	3362.00	62.75	49.38	50.18	0.80	Pumped	3.00	17.00	3312.50	
RW-2	10/22/08	3362.00	62.75	ND	50.04	ND	NA	NA	NA	3311.96	
RW-2	10/29/08	3362.00	62.75	49.29	50.19	0.90	Pumped	3.00	27.00	3312.58	
RW-2	10/29/08	3362.00	62.75	ND	49.70	ND	NA	NA	NA	3312.30	
RW-2	11/05/08	3362.00	62.75	49.32	50.21	0.89	Pumped	1.00	19.00	3312.55	
RW-2	11/05/08	3362.00	62.75	ND	49.61	ND	NA	NA	NA	3312.39	
RW-2	11/12/08	3362.00	62.75	49.21	50.11	0.90	Pumped	1.00	19.00	3312.66	
RW-2	11/12/08	3362.00	62.75	48.38	48.39	0.01	NA	NA	NA	3313.62	
RW-2	11/19/08	3362.00	62.75	49.29	49.92	0.63	Pumped	2.00	38.00	3312.62	
RW-2	11/19/08	3362.00	62.75	ND	50.10	ND	NA	NA	NA	3311.90	
RW-2	11/26/08	3362.00	62.75	49.33	49.76	0.43	Pumped	0.50	19.50	3312.61	
RW-2	11/26/08	3362.00	62.75	49.41	49.46	0.05	NA	NA	NA	3312.58	
RW-2	12/03/08	3362.00	62.75	49.34	49.81	0.47	Pumped	0.50	9.50	3312.59	
RW-2	12/03/08	3362.00	62.75	ND	49.44	ND	NA	NA	NA	3312.56	New sock
RW-2	12/10/08	3362.00	62.75	49.47	49.51	0.04	Pumped	0.50	9.50	3312.52	
RW-2	12/10/08	3362.00	62.75	ND	49.51	ND	NA	NA	NA	3312.49	
RW-2	12/17/08	3362.00	62.75	49.43	49.52	0.09		0.25	9.75	3312.56	Flipped Sock
RW-2	12/17/08	3362.00	62.75	ND	49.49	ND	NA	NA	NA	3312.51	
RW-2	12/21/08	3362.00	62.75	49.39	49.91	0.52		0.50	14.50	3312.53	No Sock
RW-2	12/21/08	3362.00	62.75	ND	50.18	ND	NA	NA	NA	3311.82	
RW-2	12/31/08	3362.00	62.75	49.41	49.90	0.49		0.25	9.75	3312.52	
RW-2	12/31/08	3362.00	62.75	49.43	49.51	0.08	NA	NA	NA	3312.56	
RW-2	01/07/09	3362.00	63.07	49.35	49.80	0.45	Hand Bailed	1.00	9.00	3312.58	
RW-2	01/07/09	3362.00	63.07	49.41	49.42	0.01	NA	NA	NA	3312.59	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	01/15/09	3362.00	63.07	49.39	49.90	0.51	Pumped	0.50	9.50	3312.53	
RW-2	01/15/09	3362.00	63.07	ND	49.54	ND	NA	NA	NA	3312.46	
RW-2	01/22/09	3362.00	63.07	49.34	49.73	0.39	Hand Bailed	0.50	9.50	3312.60	No Sock
RW-2	01/28/09	3362.00	63.07	49.34	49.75	0.41	Hand Bailed	0.25	9.75	3312.60	No Sock
RW-2	01/28/09	3362.00	63.07	49.41	49.45	0.04	NA	NA	NA	3312.58	
RW-2	02/04/09	3362.00	61.10	49.40	49.87	0.47	Pumped	0.50	16.50	3312.53	
RW-2	02/04/09	3362.00	61.10	ND	49.56	ND	NA	NA	NA	3312.44	
RW-2	02/11/09	3362.00	61.10	49.41	49.77	0.36	Pumped	0.50	24.50	3312.54	
RW-2	02/11/09	3362.00	61.10	ND	49.49	ND	NA	NA	NA	3312.51	
RW-2	02/17/09	3362.00	61.10	49.36	49.67	0.31	Pumped	1.00	39.00	3312.59	
RW-2	02/17/09	3362.00	61.10	ND	49.40	ND	NA	NA	NA	3312.60	
RW-2	02/25/09	3362.00	61.10	49.37	49.76	0.39	Pumped	0.25	19.75	3312.57	
RW-2	02/25/09	3362.00	61.10	ND	49.56	ND	NA	NA	NA	3312.44	
RW-2	03/04/09	3362.00	61.10	49.31	49.70	0.39	Pumped	0.50	19.50	3312.63	
RW-2	03/04/09	3362.00	61.10	ND	49.32	ND	NA	NA	NA	3312.68	
RW-2	03/11/09	3362.00	61.10	49.46	49.79	0.33	Pumped	0.50	19.50	3312.49	
RW-2	03/11/09	3362.00	61.10	ND	49.48	ND	NA	NA	NA	3312.52	
RW-2	03/18/09	3362.00	61.10	49.35	49.67	0.32	Pumped	0.25	14.75	3312.60	
RW-2	03/18/09	3362.00	61.10	ND	49.41	ND	NA	NA	NA	3312.59	
RW-2	03/25/09	3362.00	61.10	49.31	49.65	0.34	Pumped	0.10	19.90	3312.64	
RW-2	03/25/09	3362.00	61.10	ND	49.69	ND	NA	NA	NA	3312.31	
RW-2	04/01/09	3362.00	61.10	49.32	49.74	0.42	NA	NA	NA	3312.62	
RW-2	04/08/09	3362.00	61.10	49.33	49.98	0.65	Pumped	0.50	19.50	3312.57	
RW-2	04/08/09	3362.00	61.10	ND	49.49	ND	NA	NA	NA	3312.51	
RW-2	04/15/09	3362.00	61.10	49.35	49.75	0.40	Pumped	0.25	14.75	3312.59	
RW-2	04/15/09	3362.00	61.10	ND	50.24	ND	NA	NA	NA	3311.76	
RW-2	04/22/09	3362.00	61.10	49.30	49.95	0.65	NA	NA	NA	3312.60	
RW-2	04/29/09	3362.00	61.10	49.40	49.72	0.32	Pumped	0.50	19.50	3312.55	
RW-2	04/29/09	3362.00	61.10	ND	49.69	ND	NA	NA	NA	3312.31	
RW-2	05/06/09	3362.00	61.10	49.44	49.74	0.30	Pumped	1.50	18.50	3312.52	
RW-2	05/06/09	3362.00	61.10	ND	49.50	ND	NA	NA	NA	3312.50	
RW-2	05/14/09	3362.00	61.10	49.41	49.75	0.34	NA	NA	NA	3312.54	
RW-2	05/14/09	3362.00	61.10	ND	49.99	ND	Pumped	0.50	19.50	3312.01	
RW-2	05/19/09	3362.00	61.10	49.48	49.70	0.22	Pumped	0.50	30.00	3312.49	
RW-2	05/27/09	3362.00	61.10	49.43	49.72	0.29	NA	NA	NA	3312.53	
RW-2	05/27/09	3362.00	61.10	ND	50.01	ND	Pumped	0.50	19.50	3311.99	
RW-2	06/03/09	3362.00	61.10	49.49	49.86	0.37	NA	NA	NA	3312.45	
RW-2	06/03/09	3362.00	61.10	ND	49.64	ND	Pumped	0.50	19.50	3312.36	
RW-2	06/11/09	3362.00	61.10	49.50	49.82	0.32	NA	NA	NA	3312.45	
RW-2	06/11/09	3362.00	61.10	ND	49.71	ND	Pumped	0.50	19.50	3312.29	
RW-2	06/17/09	3362.00	61.10	49.45	49.83	0.38	NA	NA	NA	3312.49	
RW-2	06/17/09	3362.00	61.10	ND	50.60	ND	Pumped	1.00	19.00	3311.40	
RW-2	06/23/09	3362.00	61.10	50.32	49.53	49.73	NA	NA	NA	3354.74	
RW-2	06/23/09	3362.00	61.10	ND	50.32	ND	Pumped	0.25	9.75	3311.68	
RW-2	07/01/09	3362.00	61.10	49.48	49.70	0.22	NA	NA	NA	3312.49	
RW-2	07/01/09	3362.00	61.10	ND	50.41	ND	Pumped	0.25	14.75	3311.59	
RW-2	07/07/09	3362.00	61.10	49.50	49.67	0.17	Pumped	0.25	14.75	3312.47	
RW-2	07/07/09	3362.00	61.10	ND	50.78	ND	NA	NA	NA	3311.22	
RW-2	07/15/09	3362.00	61.10	49.53	49.83	0.30	Pumped	1.00	NA	3312.43	
RW-2	07/15/09	3362.00	61.10	ND	50.52	ND	NA	NA	NA	3311.48	
RW-2	07/29/09	3362.00	61.10	49.50	49.85	0.35	Pumped	1.00	14.75	3312.45	
RW-2	07/29/09	3362.00	61.10	ND	49.62	ND	NA	NA	NA	3312.38	
RW-2	08/05/09	3362.00	61.10	49.57	49.77	0.20	Pumped	0.25	14.75	3312.40	
RW-2	08/05/09	3362.00	61.10	ND	51.25	ND	NA	NA	NA	3310.75	
RW-2	08/12/09	3362.00	61.10	49.52	49.70	0.18	Pumped	0.25	14.75	3312.45	
RW-2	08/12/09	3362.00	61.10	ND	50.65	ND	NA	NA	NA	3311.35	
RW-2	08/19/09	3362.00	61.10	49.50	49.65	0.15	Pumped	0.25	14.75	3312.48	
RW-2	08/19/09	3362.00	61.10	ND	51.15	ND	NA	NA	NA	3310.85	
RW-2	08/26/09	3362.00	61.10	49.61	49.74	0.13	NA	NA	NA	3312.37	
RW-2	09/02/09	3362.00	61.10	49.51	49.77	0.26	Pumped	0.25	14.75	3312.45	
RW-2	09/02/09	3362.00	61.10	ND	51.87	ND	NA	NA	NA	3310.13	
RW-2	09/09/09	3362.00	61.10	49.55	49.68	0.13	Pumped	0.25	14.75	3312.43	
RW-2	09/09/09	3362.00	61.10	ND	50.22	ND	NA	NA	NA	3311.78	
RW-2	09/16/09	3362.00	61.10	49.63	49.81	0.18	Pumped	0.25	14.75	3312.34	
RW-2	09/16/09	3362.00	61.10	ND	51.00	ND	NA	NA	NA	3311.00	
RW-2	09/23/09	3362.00	61.10	49.58	49.75	0.17	Pumped	0.25	19.75	3312.39	
RW-2	09/23/09	3362.00	61.10	ND	50.98	ND	NA	NA	NA	3311.02	
RW-2	09/30/09	3362.00	61.10	49.59	49.79	0.20	Pumped	0.25	9.75	3312.38	
RW-2	09/30/09	3362.00	61.10	ND	50.93	ND	AM	NA	NA	3311.07	
RW-2	09/30/09	3362.00	61.10	49.55	49.57	0.02	Pumped	NA	10.00	3312.45	
RW-2	09/30/09	3362.00	61.10	ND	50.82	ND	PM	NA	NA	3311.18	
RW-2	10/07/09	3362.00	61.10	49.63	49.78	0.15	Pumped	0.25	9.75	3312.35	
RW-2	10/07/09	3362.00	61.10	ND	50.35	ND	AM	NA	NA	3311.65	
RW-2	10/07/09	3362.00	61.10	49.60	49.62	0.02	Pumped	0.10	9.90	3312.40	
RW-2	10/07/09	3362.00	61.10	ND	50.43	ND	PM	NA	NA	3311.57	
RW-2	10/14/09	3362.00	61.10	49.64	49.77	0.13	Pumped	0.50	9.50	3312.34	
RW-2	10/14/09	3362.00	61.10	ND	50.24	ND	PM	NA	NA	3311.76	
RW-2	10/14/09	3362.00	61.10	49.58	49.62	0.04	Pumped	0.10	9.90	3312.41	
RW-2	10/14/09	3362.00	61.10	ND	50.23	ND	PM	NA	NA	3311.77	
RW-2	10/21/09	3362.00	61.10	49.56	49.77	0.21	Hand Bailed	0.50	9.50	3312.41	
RW-2	10/21/09	3362.00	61.10	ND	49.75	ND	NA	NA	NA	3312.25	
RW-2	10/28/09	3362.00	61.10	49.52	49.74	0.22	Pumped	0.25	19.75	3312.45	
RW-2	10/28/09	3362.00	61.10	ND	50.21	ND	NA	NA	NA	3311.79	
RW-2	11/04/09	3362.00	61.10	49.67	49.92	0.25		0.25	9.75	3312.29	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	11/04/09	3362.00	61.10	ND	50.16	ND	NA	NA	NA	3311.84	
RW-2	11/04/09	3362.00	61.10	49.66	49.68	0.02		0.00	10.00	3312.34	
RW-2	11/04/09	3362.00	61.10	ND	50.03	ND	NA	NA	NA	3311.97	
RW-2	11/11/09	3362.00	61.10	49.68	49.88	0.20		0.50	9.50	3312.29	
RW-2	11/11/09	3362.00	61.10	ND	50.23	ND	NA	NA	NA	3311.77	
RW-2	11/11/09	3362.00	61.10	49.63	49.64	0.01		0.10	9.90	3312.37	
RW-2	11/11/09	3362.00	61.10	ND	50.53	ND	NA	NA	NA	3311.47	
RW-2	11/18/09	3362.00	61.10	49.61	49.78	0.17		0.10	19.90	3312.36	
RW-2	11/18/09	3362.00	61.10	ND	50.51	ND	NA	NA	NA	3311.49	
RW-2	11/25/09	3362.00	61.10	49.68	49.92	0.24		0.10	9.90	3312.28	
RW-2	11/25/09	3362.00	61.10	ND	50.37	ND	NA	NA	NA	3311.63	
RW-2	12/02/09	3362.00	61.10	49.64	49.87	0.23		0.10	9.90	3312.33	
RW-2	12/02/09	3362.00	61.10	ND	50.29	ND	NA	NA	NA	3311.71	
RW-2	12/09/09	3362.00	61.10	49.65	49.92	0.27		0.10	9.90	3312.31	
RW-2	12/09/09	3362.00	61.10	ND	50.69	ND	NA	NA	NA	3311.31	
RW-2	12/16/09	3362.00	61.10	49.70	50.03	0.33		0.10	29.90	3312.25	
RW-2	12/16/09	3362.00	61.10	ND	50.18	ND	NA	NA	NA	3311.82	
RW-2	12/23/09	3362.00	61.10	49.62	49.83	0.21		0.25	14.75	3312.35	
RW-2	12/23/09	3362.00	61.10	ND	49.98	ND	NA	NA	NA	3312.02	
RW-2	12/30/09	3362.00	61.10	49.61	49.91	0.30		0.25	9.75	3312.35	
RW-2	12/30/09	3362.00	61.10	ND	50.23	ND	NA	NA	NA	3311.77	
RW-2	01/06/10	3362.00	61.10	49.59	49.86	0.27		0.10	14.90	3312.37	
RW-2	01/06/10	3362.00	61.10	ND	50.16	ND	NA	NA	NA	3311.84	
RW-2	01/13/10	3362.00	61.10	49.60	49.94	0.34		0.25	14.75	3312.35	
RW-2	01/20/10	3362.00	61.10	49.55	49.74	0.19		0.10	9.90	3312.42	
RW-2	01/27/10	3362.00	61.10	49.64	49.83	0.19		0.10	14.90	3312.33	
RW-2	02/11/10	3362.00	61.10	49.58	50.05	0.47		0.25	14.75	3312.35	
RW-2	02/17/10	3362.00	61.10	49.58	49.78	0.20		0.10	9.90	3312.39	
RW-2	03/02/10	3362.00	61.10	50.11	50.19	0.08		0.10	9.90	3311.88	
RW-2	03/10/10	3362.00	61.10	49.50	49.63	0.13		0.10	9.90	3312.48	
RW-2	03/17/10	3362.00	61.10	49.56	49.79	0.23		0.10	14.90	3312.41	
RW-2	03/24/10	3362.00	61.10	49.55	49.67	0.12		0.10	19.90	3312.43	
RW-2	03/31/10	3362.00	61.10	49.45	49.60	0.15		0.10	19.90	3312.53	
RW-2	04/07/10	3362.00	61.10	49.55	49.70	0.15		0.10	19.90	3312.43	
RW-2	04/14/10	3362.00	61.10	49.50	49.62	0.12		0.10	19.90	3312.48	
RW-2	04/21/10	3362.00	61.10	49.42	49.58	0.16		0.10	14.90	3312.56	
RW-2	04/28/10	3362.00	61.10	49.49	49.63	0.14		0.10	9.90	3312.49	
RW-2	05/05/10	3362.00	61.10	49.50	49.62	0.12	Hand Bailed	0.10	9.90	3312.48	
RW-2	05/11/10	3362.00	61.10	49.40	49.55	0.15	Pumped	0.10	34.90	3312.58	
RW-2	05/19/10	3362.00	61.10	49.47	49.63	0.16	Pumped	0.10	9.90	3312.51	
RW-2	05/29/10	3362.00	61.10	49.49	49.65	0.16	Pumped	0.10	9.90	3312.49	
RW-2	06/02/10	3362.00	61.10	49.48	49.58	0.10	Pumped	0.10	9.90	3312.51	
RW-2	06/12/10	3362.00	61.10	49.53	49.63	0.10	Pumped	0.10	9.90	3312.46	
RW-2	06/15/10	3362.00	61.10	49.45	49.52	0.07	Pumped	0.10	9.90	3312.54	
RW-2	06/25/10	3362.00	61.10	49.49	49.64	0.15	Pumped	<.25	10.00	3312.49	
RW-2	07/07/10	3362.00	61.10	49.53	49.73	0.20	Pumped	<.25	10.00	3312.44	
RW-2	07/14/10	3362.00	61.10	49.52	49.67	0.15	Pumped	0.10	9.90	3312.46	
RW-2	07/21/10	3362.00	61.10	49.54	49.66	0.12	Pumped	0.10	9.90	3312.44	
RW-2	07/28/10	3362.00	61.10	49.54	49.64	0.10	Pumped	0.10	9.90	3312.45	
RW-2	08/03/10	3362.00	61.10	49.55	49.67	0.12	Pumped	0.10	9.90	3312.43	
RW-2	08/11/10	3362.00	61.10	49.50	49.65	0.15	NA	NA	NA	3312.48	
RW-2	08/18/10	3362.00	61.10	49.48	49.68	0.20	Pumped	0.25	14.75	3312.49	
RW-2	08/25/10	3362.00	61.10	49.55	49.68	0.13	Pumped	0.10	9.90	3312.43	
RW-2	09/01/10	3362.00	61.10	49.47	49.58	0.11	Pumped	0.10	9.90	3312.51	
RW-2	09/08/10	3362.00	61.10	49.53	49.61	0.08	Pumped	0.10	9.90	3312.46	
RW-2	09/15/10	3362.00	61.10	49.54	49.66	0.12	Pumped	0.10	9.90	3312.44	
RW-2	09/21/10	3362.00	61.10	49.48	49.56	0.08	Pumped	0.10	19.90	3312.51	
RW-2	10/01/10	3362.00	61.10	49.57	49.67	0.10	Pumped	0.10	9.90	3312.42	
RW-2	10/06/10	3362.00	61.10	49.60	49.66	0.06	Pumped	0.10	9.90	3312.39	
RW-2	10/13/10	3362.00	61.10	49.58	49.65	0.07	Pumped	0.10	14.90	3312.41	
RW-2	10/22/10	3362.00	61.10	49.49	49.57	0.08	Pumped	0.10	9.90	3312.50	
RW-2	10/27/10	3362.00	61.10	49.40	49.48	0.08	Pumped	0.10	9.90	3312.59	
RW-2	11/03/10	3362.00	61.10	49.58	49.74	0.16	Pumped	0.10	9.90	3312.40	
RW-2	11/10/10	3362.00	61.10	49.41	49.49	0.08	NA	NA	NA	3312.58	
RW-2	11/16/10	3362.00	61.10	49.50	49.61	0.11	Pumped	0.10	9.90	3312.48	
RW-2	11/16/10	3362.00	61.10	ND	50.21	ND				3311.79	
RW-2	11/23/10	3362.00	61.10	49.40	49.50	0.10	Pumped	0.10	9.90	3312.59	
RW-2	11/23/10	3362.00	61.10	ND	50.09	ND				3311.91	
RW-2	12/01/10	3362.00	61.10	49.39	49.50	0.11	Pumped	0.10	14.90	3312.59	
RW-2	12/01/10	3362.00	61.10	ND	49.96	ND				3312.04	
RW-2	12/08/10	3362.00	61.10	49.45	49.59	0.14	Pumped	0.10	9.90	3312.53	
RW-2	12/08/10	3362.00	61.10	ND	50.21	ND				3311.79	
RW-2	12/15/10	3362.00	61.10	49.33	49.41	0.08	Pumped	0.10	14.90	3312.66	
RW-2	12/15/10	3362.00	61.10	ND	50.26	ND				3311.74	
RW-2	12/21/10	3362.00	61.10	49.41	49.47	0.06	Pumped	0.10	9.90	3312.58	
RW-2	12/21/10	3362.00	61.10	ND	50.24	ND				3311.76	
RW-2	12/28/10	3362.00	61.10	DNG	DNG	DNG	Pumped	0.10	9.90	DNG	
RW-2	01/08/11	3362.00	61.10	49.32	49.52	0.20		0.20	9.80	3312.65	
RW-2	01/08/11	3362.00	61.10	ND	50.20	ND	NA	NA	NA	3311.80	
RW-2	01/12/11	3362.00	61.10	49.47	49.54	0.07		0.10	9.90	3312.52	
RW-2	01/12/11	3362.00	61.10	ND	49.65	ND	NA	NA	NA	3312.35	
RW-2	01/19/11	3362.00	61.10	49.33	49.40	0.07		0.10	9.90	3312.66	
RW-2	01/19/11	3362.00	61.10	ND	50.38	ND	NA	NA	NA	3311.62	
RW-2	01/25/11	3362.00	61.10	49.40	49.47	0.07		0.20	9.80	3312.59	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	01/25/11	3362.00	61.10	ND	50.03	ND	NA	NA	NA	3311.97	
RW-2	02/04/11	3362.00	61.10	49.34	49.46	0.12		0.20	9.80	3312.64	
RW-2	02/04/11	3362.00	61.10	ND	50.45	ND	NA	NA	NA	3311.55	
RW-2	02/08/11	3362.00	61.10	49.34	49.37	0.03		0.10	9.90	3312.66	
RW-2	02/08/11	3362.00	61.10	ND	50.41	ND	NA	NA	NA	3311.59	
RW-2	02/16/11	3362.00	61.10	49.35	49.45	0.10		0.10	9.90	3312.64	
RW-2	02/16/11	3362.00	61.10	ND	50.21	ND	NA	NA	NA	3311.79	
RW-2	02/23/11	3362.00	61.10	49.34	49.40	0.06		0.10	9.90	3312.65	
RW-2	02/23/11	3362.00	61.10	ND	50.78	ND	NA	NA	NA	3311.22	
RW-2	03/02/11	3362.00	61.10	49.37	49.57	0.20		0.20	9.80	3312.60	
RW-2	03/02/11	3362.00	61.10	ND	50.50	ND	NA	NA	NA	3311.50	
RW-2	03/08/11	3362.00	61.10	49.31	49.39	0.08	Hand Bailed	0.10	4.90	3312.68	
RW-2	03/08/11	3362.00	61.10	ND	49.54	ND	NA	NA	NA	3312.46	
RW-2	03/16/11	3362.00	61.10	49.34	49.44	0.10		0.10	4.90	3312.65	
RW-2	03/16/11	3362.00	61.10	ND	49.62	ND	NA	NA	NA	3312.38	
RW-2	03/23/11	3362.00	61.10	49.38	49.47	0.09		0.10	4.90	3312.61	
RW-2	03/23/11	3362.00	61.10	ND	49.65	ND	NA	NA	NA	3312.35	
RW-2	03/30/11	3362.00	61.10	49.31	49.42	0.11		0.10	14.90	3312.67	
RW-2	03/30/11	3362.00	61.10	ND	49.36	ND	NA	NA	NA	3312.64	
RW-2	04/08/11	3362.00	61.10	49.30	49.39	0.09	Pumped	0.10	9.90	3312.69	
RW-2	04/08/11	3362.00	61.10	ND	50.10	ND	NA	NA	NA	3311.90	
RW-2	04/13/11	3362.00	61.10	49.28	49.33	0.05		0.10	4.90	3312.71	
RW-2	04/13/11	3362.00	61.10	ND	49.63	ND	NA	NA	NA	3312.37	
RW-2	04/20/11	3362.00	61.10	49.35	49.42	0.07	Hand Bailed	0.10	9.90	3312.64	
RW-2	04/20/11	3362.00	61.10	ND	49.54	ND	NA	NA	NA	3312.46	
RW-2	04/27/11	3362.00	61.10	49.35	49.42	0.07	Pumped	0.10	14.90	3312.64	
RW-2	04/27/11	3362.00	61.10	ND	50.00	ND	NA	NA	NA	3312.00	
RW-2	05/04/11	3362.00	61.10	49.29	49.41	0.12		0.10	19.90	3312.69	
RW-2	05/04/11	3362.00	61.10	ND	50.21	ND	NA	NA	NA	3311.79	
RW-2	05/11/11	3362.00	61.10	49.26	49.34	0.08		0.10	9.90	3312.73	
RW-2	05/11/11	3362.00	61.10	ND	50.12	ND	NA	NA	NA	3311.88	
RW-2	05/19/11	3362.00	61.10	49.29	49.40	0.11		0.10	19.90	3312.69	
RW-2	05/19/11	3362.00	61.10	ND	49.89	ND	NA	NA	NA	3312.11	
RW-2	05/24/11	3362.00	61.10	49.32	49.41	0.09		0.10	9.90	3312.67	
RW-2	05/24/11	3362.00	61.10	ND	49.60	ND	NA	NA	NA	3312.40	
RW-2	06/01/11	3362.00	61.10	49.46	49.51	0.05	NA	NA	NA	3312.53	Sampled
RW-2	06/08/11	3362.00	61.10	49.40	49.52	0.12		0.10	9.90	3312.58	
RW-2	06/08/11	3362.00	61.10	ND	50.73	ND	NA	NA	NA	3311.27	
RW-2	06/17/11	3362.00	61.10	49.30	49.42	0.12		0.00	10.00	3312.68	
RW-2	06/17/11	3362.00	61.10	ND	50.60	ND	NA	NA	NA	3311.40	
RW-2	06/21/11	3362.00	61.10	49.35	49.50	0.15		0.10	9.90	3312.63	
RW-2	06/21/11	3362.00	61.10	ND	50.27	ND	NA	NA	NA	3311.73	
RW-2	06/29/11	3362.00	61.10	49.49	49.71	0.22		0.10	9.90	3312.48	
RW-2	06/29/11	3362.00	61.10	ND	50.61	ND	NA	NA	NA	3311.39	
RW-2	07/06/11	3362.00	61.10	49.53	49.65	0.12		0.10	4.90	3312.45	
RW-2	07/06/11	3362.00	61.10	ND	49.64	ND	NA	NA	NA	3312.36	
RW-2	07/13/11	3362.00	61.10	49.50	49.61	0.11		0.20	14.80	3312.48	
RW-2	07/13/11	3362.00	61.10	ND	49.95	ND	NA	NA	NA	3312.05	
RW-2	07/20/11	3362.00	61.10	49.31	49.38	0.07		0.10	4.90	3312.68	
RW-2	07/20/11	3362.00	61.10	ND	49.58	ND	NA	NA	NA	3312.42	
RW-2	07/27/11	3362.00	61.10	49.48	49.63	0.15		0.10	9.90	3312.50	
RW-2	07/27/11	3362.00	61.10	ND	49.76	ND	NA	NA	NA	3312.24	
RW-2	08/03/11	3362.00	61.10	49.55	49.66	0.11		0.10	9.90	3312.43	
RW-2	08/03/11	3362.00	61.10	ND	49.64	ND	NA	NA	NA	3312.36	
RW-2	08/11/11	3362.00	61.10	49.54	49.67	0.13	Hand Bailed	0.10	4.90	3312.44	
RW-2	08/11/11	3362.00	61.10	ND	49.82	ND	NA	NA	NA	3312.18	
RW-2	08/16/11	3362.00	61.10	49.50	49.68	0.18		0.10	9.90	3312.47	
RW-2	08/16/11	3362.00	61.10	ND	49.53	ND	NA	NA	NA	3312.47	
RW-2	08/24/11	3362.00	61.10	49.56	49.71	0.15		0.20	9.80	3312.42	
RW-2	08/24/11	3362.00	61.10	ND	49.60	ND	NA	NA	NA	3312.40	
RW-2	08/30/11	3362.00	61.10	49.53	49.74	0.21		0.10	4.90	3312.44	
RW-2	08/30/11	3362.00	61.10	ND	49.79	ND	NA	NA	NA	3312.21	
RW-2	09/07/11	3362.00	61.10	49.60	49.79	0.19		0.10	4.90	3312.37	
RW-2	09/07/11	3362.00	61.10	ND	49.90	ND	NA	NA	NA	3312.10	
RW-2	09/14/11	3362.00	61.10	49.55	49.76	0.21		0.10	4.90	3312.42	
RW-2	09/14/11	3362.00	61.10	ND	49.71	ND	NA	NA	NA	3312.29	
RW-2	09/21/11	3362.00	61.10	49.58	49.81	0.23		0.10	4.90	3312.39	
RW-2	09/21/11	3362.00	61.10	ND	49.64	ND	NA	NA	NA	3312.36	
RW-2	09/28/11	3362.00	61.10	49.61	49.86	0.25	Hand Bailed	0.10	4.90	3312.35	
RW-2	09/28/11	3362.00	61.10	ND	49.68	ND	NA	NA	NA	3312.32	
RW-2	10/05/11	3362.00	61.10	49.56	49.81	0.25	Pumped	0.25	9.75	3312.40	Clear at 5 gal
RW-2	10/05/11	3362.00	61.10	ND	50.50	ND	NA	NA	NA	3311.50	
RW-2	10/12/11	3362.00	61.10	49.67	49.70	0.03		0.10	14.90	3312.33	
RW-2	10/12/11	3362.00	61.10	ND	50.78	ND	NA	NA	NA	3311.22	
RW-2	10/18/11	3362.00	61.10	49.69	49.82	0.13		0.10	9.90	3312.29	Clear at 3 gal
RW-2	10/18/11	3362.00	61.10	ND	50.16	ND	NA	NA	NA	3311.84	
RW-2	10/28/11	3362.00	61.10	49.70	49.84	0.14		0.10	9.90	3312.28	Clear at 3 gal
RW-2	10/28/11	3362.00	61.10	ND	50.90	ND	NA	NA	NA	3311.10	
RW-2	11/02/11	3362.00	61.10	49.64	49.69	0.05		0.10	4.90	3312.35	Clear at 3 gal
RW-2	11/02/11	3362.00	61.10	ND	50.49	ND	NA	NA	NA	3311.51	
RW-2	11/09/11	3362.00	61.10	49.70	49.78	0.08		0.10	9.90	3312.29	
RW-2	11/09/11	3362.00	61.10	ND	49.98	ND	NA	NA	NA	3312.02	
RW-2	11/18/11	3362.00	61.10	49.56	49.65	0.09		0.10	4.90	3312.43	
RW-2	11/18/11	3362.00	61.10	ND	50.19	ND	NA	NA	NA	3311.81	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	11/23/11	3362.00	61.10	49.64	49.78	0.14		0.10	19.90	3312.34	
RW-2	11/23/11	3362.00	61.10	ND	51.00	ND	NA	NA	NA	3311.00	
RW-2	11/28/11	3362.00	61.10	49.56	49.69	0.13	NA	NA	NA	3312.42	
RW-2	12/13/11	3362.00	61.10	49.57	49.86	0.29		0.10	9.90	3312.39	
RW-2	12/13/11	3362.00	61.10	ND	50.43	ND	NA	NA	NA	3311.57	
RW-2	12/20/11	3362.00	61.10	49.61	49.74	0.13		0.10	4.90	3312.37	
RW-2	12/20/11	3362.00	61.10	ND	50.23	ND	NA	NA	NA	3311.77	
RW-2	12/27/11	3362.00	61.10	49.64	49.74	0.10		0.25	9.75	3312.35	
RW-2	12/27/11	3362.00	61.10	ND	50.51	ND	NA	NA	NA	3311.49	
RW-2	01/04/12	3362.00	61.10	49.66	49.71	0.05	Hand Bailed	0.10	4.90	3312.33	
RW-2	01/04/12	3362.00	61.10	ND	49.70	ND	NA	NA	NA	3312.30	
RW-2	01/13/12	3362.00	61.10	49.62	49.80	0.18		0.10	4.90	3312.35	
RW-2	01/13/12	3362.00	61.10	ND	47.72	ND	NA	NA	NA	3314.28	
RW-2	01/18/12	3362.00	61.10	49.60	49.76	0.16	Pumped	0.10	9.90	3312.38	
RW-2	01/18/12	3362.00	61.10	ND	50.53	ND	NA	NA	NA	3311.47	
RW-2	01/27/12	3362.00	61.10	49.55	49.68	0.13		0.10	14.90	3312.43	
RW-2	01/27/12	3362.00	61.10	ND	50.55	ND	NA	NA	NA	3311.45	
RW-2	02/02/12	3362.00	61.10	49.54	49.59	0.05		0.10	9.90	3312.45	
RW-2	02/02/12	3362.00	61.10	ND	49.56	ND	NA	NA	NA	3312.44	
RW-2	02/08/12	3362.00	61.10	49.66	49.75	0.09		0.10	9.90	3312.33	
RW-2	02/08/12	3362.00	61.10	ND	50.48	ND	NA	NA	NA	3311.52	
RW-2	02/15/12	3362.00	61.10	49.59	49.62	0.03		0.10	4.90	3312.41	
RW-2	02/15/12	3362.00	61.10	ND	50.68	ND	NA	NA	NA	3311.32	
RW-2	02/22/12	3362.00	61.10	50.57	50.62	0.05	NA	NA	NA	3311.42	
RW-2	02/29/12	3362.00	61.10	49.56	49.86	0.30		0.10	9.90	3312.40	
RW-2	02/29/12	3362.00	61.10	ND	50.26	ND	NA	NA	NA	3311.74	
RW-2	03/06/12	3362.00	61.10	49.50	49.80	0.30		0.10	9.90	3312.46	
RW-2	03/06/12	3362.00	61.10	ND	50.43	ND	NA	NA	NA	3311.57	
RW-2	03/14/12	3362.00	61.10	49.46	49.70	0.24	NA	NA	NA	3312.50	
RW-2	03/21/12	3362.00	61.10	49.40	49.55	0.15		0.10	9.90	3312.58	
RW-2	03/21/12	3362.00	61.10	ND	50.15	ND	NA	NA	NA	3311.85	
RW-2	03/29/12	3362.00	61.10	49.49	49.70	0.21		0.10	9.90	3312.48	
RW-2	03/29/12	3362.00	61.10	ND	50.63	ND	NA	NA	NA	3311.37	
RW-2	04/03/12	3362.00	61.10	49.55	49.80	0.25		0.10	9.90	3312.41	
RW-2	04/03/12	3362.00	61.10	ND	50.25	ND	NA	NA	NA	3311.75	
RW-2	04/11/12	3362.00	61.10	49.48	49.70	0.22		0.10	9.90	3312.49	
RW-2	04/11/12	3362.00	61.10	ND	49.99	ND	NA	NA	NA	3312.01	
RW-2	04/20/12	3362.00	61.10	49.38	49.52	0.14		0.10	9.90	3312.60	
RW-2	04/20/12	3362.00	61.10	ND	50.12	ND	NA	NA	NA	3311.88	
RW-2	04/26/12	3362.00	61.10	49.45	49.82	0.37		0.10	9.90	3312.49	
RW-2	04/26/12	3362.00	61.10	ND	50.20	ND	NA	NA	NA	3311.80	
RW-2	05/02/12	3362.00	61.10	49.51	49.61	0.10		0.10	9.90	3312.48	
RW-2	05/02/12	3362.00	61.10	ND	50.23	ND	NA	NA	NA	3311.77	
RW-2	05/09/12	3362.00	61.10	49.55	49.70	0.15		0.10	9.90	3312.43	
RW-2	05/09/12	3362.00	61.10	ND	50.28	ND	NA	NA	NA	3311.72	
RW-2	05/22/12	3362.00	61.10	49.48	49.70	0.22	NA	NA	NA	3312.49	Sampled
RW-2	05/29/12	3362.00	61.10	49.49	49.64	0.15		0.25	13.00	3312.49	
RW-2	05/29/12	3362.00	61.10	ND	49.97	ND	NA	NA	NA	3312.03	
RW-2	06/06/12	3362.00	61.10	49.53	49.60	0.07		0.10	9.90	3312.46	
RW-2	06/06/12	3362.00	61.10	ND	51.44	ND	NA	NA	NA	3310.56	
RW-2	06/13/12	3362.00	61.10	49.45	49.49	0.04		0.10	9.90	3312.54	
RW-2	06/13/12	3362.00	61.10	ND	51.12	ND	NA	NA	NA	3310.88	
RW-2	06/19/12	3362.00	61.10	49.41	49.65	0.24		0.10	9.90	3312.55	
RW-2	06/19/12	3362.00	61.10	ND	49.45	ND	NA	NA	NA	3312.55	
RW-2	06/27/12	3362.00	61.10	49.45	49.55	0.10	NA	NA	5.00	3312.54	
RW-2	06/27/12	3362.00	61.10	ND	50.22	ND	NA	NA	NA	3311.78	
RW-2	06/27/12	3362.00	61.10	49.97	50.09	0.12		0.00	5.00	3312.01	
RW-2	06/27/12	3362.00	61.10	ND		ND	NA	NA	NA	3362.00	
RW-2	07/05/12	3362.00	61.10	49.52	49.62	0.10	NA	0.10	10.00	3312.47	
RW-2	07/05/12	3362.00	61.10	ND	50.82	ND	NA	NA	NA	3311.18	
RW-2	07/11/12	3362.00	61.10	49.51	49.63	0.12	NA	0.10	10.00	3312.47	
RW-2	07/11/12	3362.00	61.10	ND	50.50	ND	NA	NA	NA	3311.50	
RW-2	07/18/12	3362.00	61.10	49.53	49.76	0.23	NA	NA	10.00	3312.44	
RW-2	07/18/12	3362.00	61.10	ND	49.60	ND	NA	NA	NA	3312.40	
RW-2	07/25/12	3362.00	61.10	49.55	49.71	0.16	NA	0.25	9.75	3312.43	
RW-2	07/25/12	3362.00	61.10	ND	49.82	ND	NA	NA	NA	3312.18	
RW-2	07/31/12	3362.00	61.10	49.55	49.80	0.25	NA	0.10	10.00	3312.41	
RW-2	07/31/12	3362.00	61.10	ND	49.45	ND	NA	NA	NA	3312.55	
RW-2	08/08/12	3362.00	61.10	49.55	49.85	0.30	NA	NA	NA	3312.41	
RW-2	08/13/12	3362.00	61.10	49.48	49.75	0.27	NA	0.10	10.00	3312.48	
RW-2	08/13/12	3362.00	61.10	ND	50.58	ND	NA	NA	NA	3311.42	
RW-2	09/05/12	3362.00	61.10	49.70	49.93	0.23	NA	0.10	10.00	3312.27	
RW-2	09/11/12	3362.00	61.10	49.52	49.70	0.18	NA	0.10	10.00	3312.45	
RW-2	09/19/12	3362.00	61.10	49.60	50.14	0.54	NA	1.00	9.00	3312.32	
RW-2	09/19/12	3362.00	61.10	ND	50.25	ND	NA	NA	NA	3311.75	
RW-2	09/25/12	3362.00	61.10	49.56	49.95	0.39	NA	0.10	10	3312.38	
RW-2	09/25/12	3362.00	61.10	ND	50.32	ND	NA	NA	NA	3311.68	
RW-2	10/03/12	3362.00	61.10	49.62	50.12	0.50	NA	0.10	10.00	3312.31	
RW-2	10/03/12	3362.00	61.10	ND	50.30	ND	NA	NA	NA	3311.70	
RW-2	10/24/12	3362.00	61.10	49.50	49.93	0.43	NA	0.10	10.00	3312.44	
RW-2	10/24/12	3362.00	61.10	ND	50.25	ND	NA	NA	NA	3311.75	
RW-2	10/30/12	3362.00	61.10	49.64	49.85	0.21	NA	0.10	10.00	3312.33	
RW-2	10/30/12	3362.00	61.10	ND	49.58	ND	NA	NA	NA	3312.42	
RW-2	11/06/12	3362.00	61.10	49.65	49.85	0.20	NA	0.10	10.00	3312.32	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	11/06/12	3362.00	61.10	ND	50.35	ND	NA	NA	NA	3311.65	
RW-2	11/13/12	3362.00	61.10	49.65	50.00	0.35	NA	0.10	10.00	3312.30	
RW-2	11/13/12	3362.00	61.10	ND	49.74	ND	NA	NA	NA	3312.26	
RW-2	11/26/12	3362.00	61.10	49.55	50.38	0.83	NA	NA	NA	3312.33	
RW-2	12/05/12	3362.00	61.10	49.54	50.55	1.01	NA	1.00	9.00	3312.31	
RW-2	12/05/12	3362.00	61.10	ND	50.65	ND	NA	NA	NA	3311.35	
RW-2	12/11/12	3362.00	61.10	49.68	49.90	0.22	NA	NA	NA	3312.29	
RW-2	01/03/13	3362.00	61.10	49.65	50.38	0.73	NA	NA	NA	3312.24	
RW-2	01/16/13	3362.00	61.10	49.60	50.53	0.93	NA	1.00	9.00	3312.26	
RW-2	01/16/13	3362.00	61.10	ND	50.33	ND	NA	NA	NA	3311.67	
RW-2	01/23/13	3362.00	61.10	49.65	49.95	0.30	NA	0.10	10.00	3354.81	
RW-2	01/23/13	3362.00	61.10	ND	50.50	ND	NA	NA	NA	3311.50	
RW-2	01/30/13	3362.00	61.10	49.71	50.12	0.41	NA	0.10	10.00	3312.23	
RW-2	01/30/13	3362.00	61.10	ND	50.45	ND	NA	NA	NA	3311.55	
RW-2	02/07/13	3362.00	61.10	49.65	49.91	0.26	NA	0.10	10.00	3312.31	
RW-2	02/07/13	3362.00	61.10	ND	50.17	ND	NA	NA	NA	3311.83	
RW-2	02/13/13	3362.00	61.10	49.68	50.08	0.40	NA	0.10	10.00	3312.26	
RW-2	02/13/13	3362.00	61.10	ND	49.78	ND	NA	NA	NA	3312.22	
RW-2	02/27/13	3362.00	61.10	49.68	50.12	0.44	NA	NA	NA	3312.25	
RW-2	03/21/13	3362.00	61.10	49.50	50.30	0.80	NA	NA	NA	3312.38	
RW-2	03/29/13	3362.00	61.10	49.54	50.30	0.76	NA	0.50	9.50	3312.35	
RW-2	03/29/13	3362.00	61.10	ND	50.75	ND	NA	NA	NA	3311.25	
RW-2	04/03/13	3362.00	61.10	49.52	50.40	0.88	NA	0.50	9.50	3312.35	
RW-2	04/03/13	3362.00	61.10	ND	50.60	ND	NA	NA	NA	3311.40	
RW-2	04/09/13	3362.00	61.10	49.52	50.58	1.06	NA	0.50	9.50	3312.32	
RW-2	04/09/13	3362.00	61.10	ND	50.88	ND	NA	NA	NA	3311.12	
RW-2	05/01/13	3362.00	61.10	49.62	50.35	0.73	NA	0.50	9.50	3312.27	
RW-2	05/01/13	3362.00	61.10	ND	50.60	ND	NA	NA	NA	3311.40	
RW-2	05/15/13	3362.00	61.10	49.60	50.10	0.50	NA	0.10	10.00	3312.33	
RW-2	05/15/13	3362.00	61.10	ND	50.27	ND	NA	NA	NA	3311.73	
RW-2	05/21/13	3362.00	61.10	49.63	50.33	0.70	NA	0.10	10.00	3312.27	
RW-2	05/21/13	3362.00	61.10	ND	51.27	ND	NA	NA	NA	3310.73	
RW-2	06/05/13	3362.00	61.10	49.58	50.55	0.97	NA	1.00	9.00	3312.27	
RW-2	06/05/13	3362.00	61.10	ND	54.18	ND	NA	NA	NA	3307.82	
RW-2	06/11/13	3362.00	61.10	49.74	50.16	0.42	NA	NA	NA	3312.20	
RW-2	06/17/13	3362.00	61.10	49.73	50.35	0.62	NA	0.25	9.75	3312.18	
RW-2	06/26/13	3362.00	61.10	49.65	50.53	0.88	NA	1.00	9.00	3312.22	
RW-2	06/26/13	3362.00	61.10	ND	50.90	ND	NA	NA	NA	3311.10	
RW-2	07/03/13	3362.00	61.10	49.61	50.68	1.07	NA	NA	9.00	3312.23	
RW-2	07/10/13	3362.00	61.10	49.70	50.22	0.52	NA	NA	NA	3312.22	
RW-2	07/23/13	3362.00	61.10	49.63	50.60	0.97	NA	2.00	8.00	3312.22	
RW-2	07/30/13	3362.00	61.10	49.50	50.55	1.05	NA	1.00	9.00	3312.34	
RW-2	08/07/13	3362.00	61.10	49.54	50.61	1.07	NA	0.50	9.50	3312.30	
RW-2	08/14/13	3362.00	61.10	49.70	50.82	1.12	NA	NA	NA	3312.13	
RW-2	08/21/13	3362.00	61.10	49.83	50.30	0.47	NA	0.50	9.50	3312.10	
RW-2	08/28/13	3362.00	61.10	49.76	50.68	0.92	NA	1.00	9.00	3312.10	
RW-2	09/06/13	3362.00	61.10	49.80	50.52	0.72	NA	1.00	9.00	3312.09	
RW-2	09/10/13	3362.00	61.10	49.84	51.12	1.28	NA	NA	NA	3311.97	
RW-2	09/21/13	3362.00	61.10	49.81	50.70	0.89	NA	1.00	9.00	3312.06	
RW-2	09/28/13	3362.00	61.10	49.91	50.49	0.58	NA	0.50	9.50	3312.00	
RW-2	10/02/13	3362.00	61.10	49.79	50.30	0.51	NA	0.50	9.50	3312.13	
RW-2	10/11/13	3362.00	61.10	49.78	51.00	1.22	NA	0.50	9.50	3312.04	
RW-2	10/16/13	3362.00	61.10	49.80	50.20	0.40	NA	1.00	9.00	3312.14	
RW-2	10/30/13	3362.00	61.10	49.70	50.83	1.13	NA	0.50	9.50	3312.13	
RW-2	11/06/13	3362.00	61.10	49.86	50.52	0.66	NA	0.50	9.50	3312.04	
RW-2	11/20/13	3362.00	61.10	49.78	50.91	1.13	NA	0.50	4.50	3312.05	
RW-2	11/27/13	3362.00	61.10	49.80	50.90	1.10	NA	2.00	3.00	3312.04	
RW-2	12/17/13	3362.00	61.10	49.79	51.05	1.26	NA	1.00	9.00	3312.02	
RW-2	01/02/14	3362.00	61.10	49.74	51.38	1.64	NA	1.00	9.00	3312.01	
RW-2	01/09/14	3362.00	61.10	49.79	50.48	0.69	NA	1.00	9.00	3312.11	
RW-2	01/15/14	3362.00	61.10	49.81	50.58	0.77	NA	0.50	9.50	3312.07	
RW-2	01/22/14	3362.00	61.10	49.80	49.90	0.10	NA	1.00	9.00	3312.19	
RW-2	01/30/14	3362.00	61.10	49.70	50.02	0.32	NA	1.00	9.00	3312.25	
RW-2	02/05/14	3362.00	61.10	49.86	50.60	0.74	NA	2.00	13.00	3312.03	
RW-2	02/13/14	3362.00	61.10	49.80	50.43	0.63	NA	1.00	9.00	3312.11	
RW-2	02/20/14	3362.00	61.10	49.88	50.51	0.63	NA	0.50	9.50	3312.03	
RW-2	02/26/14	3362.00	61.10	49.72	50.85	1.13	NA	1.00	9.00	3312.11	
RW-2	03/05/14	3362.00	61.10	49.84	50.58	0.74	NA	1.00	9.00	3312.05	
RW-2	03/18/14	3362.00	61.10	49.59	50.88	1.29	NA	1.00	9.00	3312.22	
RW-2	04/02/14	3362.00	61.10	49.60	50.73	1.13	NA	1.00	9.00	3312.23	
RW-2	04/09/14	3362.00	61.10	49.65	50.78	1.13	NA	1.00	9.00	3312.18	
RW-2	04/15/14	3362.00	61.10	49.82	50.38	0.56	NA	0.25	9.75	3312.10	
RW-2	04/23/14	3362.00	61.10	49.87	50.50	0.63	NA	0.50	9.50	3312.04	
RW-2	05/04/14	3362.00	61.10	49.72	50.78	1.06	NA	0.50	9.50	3312.12	
RW-2	05/07/14	3362.00	61.10	49.79	50.11	0.32	NA	0.25	9.75	3312.16	
RW-2	05/16/14	3362.00	61.10	49.78	50.44	0.66	NA	0.50	9.50	3312.12	
RW-2	05/20/14	3362.00	61.10	49.85	50.10	0.25	NA	0.50	9.50	3312.11	
RW-2	06/03/14	3362.00	61.10	49.82	50.61	0.79	NA	NA	NA	3312.06	
RW-2	06/19/14	3362.00	61.10	49.85	50.33	0.48	NA	0.50	9.50	3312.08	
RW-2	06/25/14	3362.00	61.10	49.87	50..40	NA	NA	0.50	9.50	50..40	
RW-2	07/09/14	3362.00	61.10	49.81	51.20	1.39	NA	1.00	14.00	3311.98	
RW-2	07/16/14	3362.00	61.10	49.90	50.57	0.67	NA	1.00	9.00	3312.00	
RW-2	07/23/14	3362.00	61.10	49.85	50.90	1.05	NA	1.00	9.00	3311.99	
RW-2	07/29/14	3362.00	61.10	49.88	50.64	0.76	NA	1.00	9.00	3312.01	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	08/12/14	3362.00	61.10	49.89	51.37	1.48	NA	2.00	8.00	3311.89	
RW-2	08/21/14	3362.00	61.10	49.94	50.68	0.74	NA	NA	NA	3311.95	
RW-2	08/27/14	3362.00	61.10	49.90	51.39	1.49	NA	NA	NA	3311.88	
RW-2	09/03/14	3362.00	61.10	49.91	51.15	1.24	NA	NA	NA	3311.90	
RW-2	09/09/14	3362.00	61.10	49.94	50.63	0.69	NA	1.00	9.00	3311.96	
RW-2	09/17/14	3362.00	63.40	49.94	51.08	1.14	NA	1.00	9.00	3311.89	
RW-2	09/29/14	3362.00	63.40	49.89	51.07	1.18	NA	NA	NA	3311.93	
RW-2	10/15/14	3362.00	63.40	49.89	51.60	1.71	NA	NA	NA	3311.85	
RW-2	10/29/14	3362.00	63.40	49.44	50.94	1.50	NA	1.00	19.00	3312.34	
RW-2	11/04/14	3362.00	63.40	49.96	50.78	0.82	NA	0.25	9.75	3311.92	
RW-2	11/12/14	3362.00	63.40	49.98	51.00	1.02	NA	1.00	9.00	3311.87	
RW-2	11/18/14	3362.00	63.40	49.89	51.14	1.25	NA	NA	NA	3311.92	
RW-2	11/25/14	3362.00	63.40	49.85	49.99	0.14	NA	NA	NA	3312.13	
RW-2	12/17/14	3362.00	63.40	49..81	50.35	0.54	NA	1.00	9.00	3311.65	
RW-2	12/22/14	3362.00	63.40	49.87	50.78	0.54	NA	1.00	9.00	3311.68	
RW-2	12/29/14	3362.00	63.40	49.90	50.84	0.94	NA	1.00	9.00	3311.96	
RW-2	01/08/15	3362.00	63.40	49.88	50.77	0.89	NA	1.00	9.00	3311.99	
RW-2	01/14/15	3362.00	63.40	49.90	51.00	1.10	NA	1.00	9.00	3311.94	
RW-2	01/21/15	3362.00	63.40	50.00	50.51	0.51	NA	0.50	9.50	3311.92	
RW-2	01/28/15	3362.00	63.40	49.95	50.80	0.85	NA	1.00	9.00	3311.92	
RW-2	02/06/15	3362.00	63.40	50.01	50.95	0.94	NA	1.00	9.00	3311.85	
RW-2	02/10/15	3362.00	63.40	49.97	50.86	0.89	NA	1.00	9.00	3311.90	
RW-2	02/17/15	3362.00	63.40	49.97	50.55	0.58	NA	NA	NA	3311.94	
RW-2	02/25/15	3362.00	63.40	49.90	50.78	0.88	NA	0.50	9.50	3311.97	
RW-2	03/05/15	3362.00	63.40	50.05	51.24	1.19	NA	1.00	9.00	3311.77	
RW-2	03/11/15	3362.00	63.40	49.95	51.25	1.30	NA	1.00	9.00	3311.86	
RW-2	03/23/15	3362.00	63.40	49.96	50.75	0.79	NA	0.50	9.50	3311.92	
RW-2	03/31/15	3362.00	63.40	49.92	50.97	1.05	NA	0.50	9.50	3311.92	
RW-2	04/07/15	3362.00	63.40	50.00	50.52	0.52	NA	0.50	9.50	3311.92	
RW-2	04/15/15	3362.00	63.40	50.01	50.45	0.44	NA	0.50	9.50	3311.92	
RW-2	04/21/15	3362.00	63.40	50.02	50.40	0.38	NA	0.50	14.50	3311.92	
RW-2	04/29/15	3362.00	63.40	50.05	50.53	0.48	NA	0.50	9.50	3311.88	
RW-2	05/06/15	3362.00	63.40	50.02	50.52	0.50	NA	0.50	9.50	3311.91	
RW-2	05/27/15	3362.00	63.40	49.99	51.00	1.01	NA	1.00	9.00	3311.86	
RW-2	06/04/15	3362.00	63.40	50.03	50.60	0.57	NA	1.00	9.00	3311.88	
RW-2	06/09/15	3362.00	63.40	50.05	50.43	0.38	NA	0.50	9.50	3311.89	
RW-2	06/15/15	3362.00	63.40	50.10	50.51	0.41	NA	NA	NA	3311.84	Sampled
RW-2	07/01/15	3362.00	63.40	49.99	50.85	0.86	NA	0.50	9.50	3311.88	
RW-2	07/08/15	3362.00	63.40	50.02	51.10	1.08	NA	0.50	9.50	3311.82	
RW-2	07/14/15	3362.00	63.40	49.78	50.70	0.92	NA	0.50	9.50	3312.08	
RW-2	07/21/15	3362.00	63.40	50.01	50.97	0.96	NA	0.50	9.50	3311.85	
RW-2	07/28/15	3362.00	63.40	50.09	50.66	0.57	NA	0.50	9.50	3311.82	
RW-2	08/05/15	3362.00	63.40	50.09	50.83	0.74	NA	0.50	9.50	3311.80	
RW-2	08/12/15	3362.00	63.40	50.10	50.95	0.85	NA	0.50	9.50	3311.77	
RW-2	08/20/15	3362.00	63.40	50.13	50.82	0.69	NA	0.50	9.50	3311.77	
RW-2	08/26/15	3362.00	63.40	50.05	50.71	0.66	NA	NA	NA	3311.85	
RW-2	09/01/15	3362.00	63.40	50.12	51.00	0.88	NA	0.50	9.50	3311.75	
RW-2	09/10/15	3362.00	63.40	50.14	50.94	0.80	NA	NA	NA	3311.74	
RW-2	09/16/15	3362.00	63.40	50.10	51.16	1.06	NA	1.00	9.00	3311.74	
RW-2	09/28/15	3362.00	63.40	50.05	51.52	1.47	NA	1.00	9.00	3311.73	
RW-2	10/06/15	3362.00	63.40	50.15	50.95	0.80	NA	0.50	9.50	3311.73	
RW-2	10/13/15	3362.00	63.40	50.17	50.85	0.68	NA	0.50	9.50	3311.73	
RW-2	10/20/15	3362.00	63.40	50.10	51.10	1.00	NA	0.50	9.50	3311.75	
RW-2	10/28/15	3362.00	63.40	50.20	51.05	0.85	NA	0.50	9.50	3311.67	
RW-2	11/03/15	3362.00	63.40	50.16	51.02	0.86	NA	0.50	9.50	3311.71	
RW-2	11/12/15	3362.00	63.40	50.14	51.25	1.11	NA	1.00	9.00	3311.69	
RW-2	11/17/15	3362.00	63.40	50.05	51.33	1.28	NA	NA	NA	3311.76	
RW-2	11/24/15	3362.00	63.40	50.10	51.07	0.97	NA	0.50	9.50	3311.75	
RW-2	12/09/15	3362.00	63.40	50.08	51.26	1.18	NA	1.00	9.00	3311.74	
RW-2	12/15/15	3362.00	63.40	50.13	50.68	0.55	NA	0.50	9.50	3311.79	
RW-2	12/31/15	3362.00	63.40	50.08	51.18	1.10	NA	0.50	9.50	3311.76	
RW-2	01/05/16	3362.00	63.40	50.02	50.99	0.97	NA	0.25	9.75	3311.83	
RW-2	01/19/16	3362.00	63.40	50.06	50.76	0.70	NA	1.00	9.00	3311.84	
RW-2	01/26/16	3362.00	63.40	50.13	50.65	0.52	NA	0.50	9.50	3311.79	
RW-2	02/02/16	3362.00	63.40	49.99	50.74	0.75	NA	1.00	9.00	3311.90	
RW-2	02/09/16	3362.00	63.40	50.07	50.68	0.61	NA	1.00	9.00	3311.84	
RW-2	02/17/16	3362.00	63.40	50.04	50.55	0.51	NA	0.50	9.50	3311.88	
RW-2	02/24/16	3362.00	63.40	50.10	50.56	0.46	NA	0.50	9.50	3311.83	
RW-2	03/01/16	3362.00	63.40	50.08	50.75	0.67	NA	0.50	9.50	3311.82	
RW-2	03/08/16	3362.00	63.40	49.95	50.73	0.78	NA	NA	NA	3311.93	
RW-2	03/15/16	3362.00	63.40	50.04	50.50	0.46	NA	0.50	9.50	3311.89	
RW-2	03/22/16	3362.00	63.40	49.95	50.55	0.60	NA	1.00	9.00	3311.96	
RW-2	03/29/16	3362.00	63.40	49.93	50.78	0.85	NA	1.00	9.00	3311.94	
RW-2	04/05/16	3362.00	63.40	49.99	50.52	0.53	NA	0.50	9.50	3311.93	
RW-2	04/12/16	3362.00	63.40	50.03	50.38	0.35	NA	0.50	9.50	3311.92	
RW-2	04/19/16	3362.00	63.40	50.00	50.59	0.59	NA	0.50	9.50	3311.91	
RW-2	04/27/16	3362.00	63.40	49.95	50.28	0.33	NA	0.50	9.50	3312.00	
RW-2	05/05/16	3362.00	63.40	49.93	50.49	0.56	NA	0.50	9.50	3311.99	
RW-2	05/12/16	3362.00	63.40	49.91	50.52	0.61	NA	0.50	9.50	3312.00	
RW-2	05/17/16	3362.00	63.40	49.95	50.38	0.43	NA	0.50	9.50	3311.99	Sampled
RW-2	05/26/16	3362.00	63.40	49.89	50.19	0.30	NA	0.50	9.50	3312.07	
RW-2	06/02/16	3362.00	63.40	49.90	50.15	0.25	NA	0.25	9.75	3312.06	
RW-2	06/10/16	3362.00	63.40	49.85	50.50	0.65	NA	0.50	9.50	3312.05	
RW-2	06/23/16	3362.00	63.40	49.85	50.53	0.68	NA	0.50	9.50	3312.05	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	06/27/16	3362.00	63.40	49.88	50.69	0.81	NA	1.00	9.00	3312.00	
RW-2	07/06/16	3362.00	63.40	49.88	50.74	0.86	NA	0.50	9.50	3311.99	
RW-2	07/15/16	3362.00	63.40	49.94	50.28	0.34	NA	0.50	9.50	3312.01	
RW-2	07/21/16	3362.00	63.40	49.90	50.45	0.55	NA	0.50	9.50	3312.02	
RW-2	07/26/16	3362.00	63.40	49.88	50.58	0.70	NA	1.00	9.00	3312.02	
RW-2	08/02/16	3362.00	63.40	49.96	50.30	0.34	NA	2.00	8.00	3311.99	
RW-2	08/08/16	3362.00	63.40	49.92	50.18	0.26	NA	0.50	9.50	3312.04	
RW-2	08/16/16	3362.00	63.40	49.94	50.26	0.32	NA	0.50	14.50	3312.01	
RW-2	08/23/16	3362.00	63.40	49.94	50.18	0.24	NA	0.50	9.50	3312.02	
RW-2	08/31/16	3362.00	63.40	49.95	49.96	0.01	NA	NA	NA	3312.05	
RW-2	09/07/16	3362.00	63.40	49.98	50.27	0.29	NA	0.50	9.50	3311.98	
RW-2	09/19/16	3362.00	63.40	49.96	50.29	0.33	NA	NA	NA	3311.99	
RW-2	09/27/16	3362.00	63.40	49.90	50.41	0.51	NA	0.50	9.50	3312.02	
RW-2	10/04/16	3362.00	63.40	49.85	50.12	0.27	NA	0.25	9.75	3312.11	
RW-2	10/11/16	3362.00	63.40	49.91	50.17	0.26	NA	0.50	9.50	3312.05	
RW-2	10/18/16	3362.00	63.40	49.89	50.16	0.27	NA	0.50	9.50	3312.07	
RW-2	11/02/16	3362.00	63.40	49.88	50.25	0.37	NA	0.50	9.50	3312.06	
RW-2	11/08/16	3362.00	63.40	49.86	50.15	0.29	NA	0.25	9.75	3312.10	
RW-2	11/15/16	3362.00	63.40	49.81	50.08	0.27	NA	0.25	9.75	3312.15	
RW-2	11/22/16	3362.00	63.40	49.80	50.11	0.31	NA	0.25	9.75	3312.15	
RW-2	11/30/16	3362.00	63.40	49.91	50.34	0.43	NA	0.25	9.75	3312.03	
RW-2	12/07/16	3362.00	63.40	49.87	50.12	0.25	NA	sheen	10.00	3312.09	
RW-2	12/14/16	3362.00	63.40	49.84	50.21	0.37	NA	NA	NA	3312.10	
RW-2	12/22/16	3362.00	63.40	49.80	50.40	0.60	NA	0.50	9.50	3312.11	
RW-2	12/28/16	3362.00	63.40	49.87	50.12	0.25	NA	0.50	9.50	3312.09	
RW-2	01/04/17	3362.00	63.40	49.79	49.86	0.07	NA	0.50	9.50	3312.20	
RW-2	01/10/17	3362.00	63.40	49.76	50.22	0.46	NA	0.25	9.75	3312.17	
RW-2	01/17/17	3362.00	63.40	49.81	50.33	0.52	NA	0.25	9.75	3312.11	
RW-2	01/24/17	3362.00	63.40	49.77	50.06	0.29	NA	0.25	9.75	3312.19	
RW-2	01/31/17	3362.00	63.40	49.77	50.06	0.29	NA	0.25	9.75	3312.19	
RW-2	02/07/17	3362.00	63.40	49.75	50.14	0.39	NA	0.25	9.75	3312.19	
RW-2	02/14/17	3362.00	63.40	49.80	50.08	0.28	NA	0.25	9.75	3312.16	
RW-2	02/22/17	3362.00	63.40	49.69	50.03	0.34	NA	0.50	9.50	3312.26	
RW-2	03/07/17	3362.00	63.40	49.82	50.10	0.28	NA	0.25	9.75	3312.14	
RW-2	03/14/17	3362.00	63.40	49.74	50.09	0.35	NA	0.25	9.75	3312.21	
RW-2	03/21/17	3362.00	63.40	49.70	50.12	0.42	NA	0.25	9.75	3312.24	
RW-2	03/28/17	3362.00	63.40	49.70	49.93	0.23	NA	0.25	9.75	3312.27	
RW-2	04/04/17	3362.00	63.40	49.75	49.97	0.22	NA	0.25	9.75	3312.22	
RW-2	04/11/17	3362.00	63.40	49.80	50.08	0.28	NA	0.25	9.75	3312.16	
RW-2	04/18/17	3362.00	63.40	49.76	50.02	0.26	NA	0.25	9.75	3312.20	
RW-2	04/25/17	3362.00	63.40	49.77	50.00	0.23	NA	0.25	9.75	3312.20	
RW-2	05/02/17	3362.00	63.40	49.76	50.11	0.35	NA	0.25	9.75	3312.19	
RW-2	05/08/17	3362.00	63.40	49.72	49.92	0.20	NA	NA	NA	3312.25	
RW-2	05/25/17	3362.00	63.40	49.79	50.10	0.31	NA	0.25	9.75	3312.16	
RW-2	06/01/17	3362.00	63.40	49.70	50.16	0.46	NA	0.25	9.75	3312.23	
RW-2	06/05/17	3362.00	63.40	49.69	50.08	0.39	NA	0.25	9.75	3312.25	
RW-2	06/13/17	3362.00	63.40	49.70	50.21	0.51	NA	0.25	9.75	3312.22	
RW-2	06/20/17	3362.00	63.40	49.74	50.20	0.46	NA	0.25	9.75	3312.19	
RW-2	06/27/17	3362.00	63.40	49.68	50.36	0.68	NA	0.25	9.75	3312.22	
RW-2	07/06/17	3362.00	63.40	49.75	50.32	0.57	NA	0.25	9.75	3312.16	
RW-2	07/11/17	3362.00	63.40	49.70	50.38	0.68	NA	0.25	9.75	3312.20	
RW-2	07/18/17	3362.00	63.40	49.78	50.08	0.30	NA	0.25	9.75	3312.18	
RW-2	07/25/17	3362.00	63.40	49.76	50.10	0.34	NA	0.25	9.75	3312.19	
RW-2	08/01/17	3362.00	63.40	49.81	50.12	0.31	NA	0.25	9.75	3312.14	
RW-2	08/08/17	3362.00	63.40	49.80	50.09	0.29	NA	0.25	9.75	3312.16	
RW-2	08/15/17	3362.00	63.40	49.80	50.15	0.35	NA	0.25	9.75	3312.15	
RW-2	08/22/17	3362.00	63.40	49.79	50.26	0.47	NA	0.25	9.75	3312.14	
RW-2	08/30/17	3362.00	63.40	49.80	50.21	0.41	NA	0.25	9.75	3312.14	
RW-2	09/07/17	3362.00	63.40	49.81	50.18	0.37	NA	0.25	9.75	3312.13	
RW-2	09/14/17	3362.00	63.40	49.75	50.10	0.35	NA	NA	NA	3312.20	
RW-2	09/27/17	3362.00	63.40	49.72	50.00	0.28	NA	0.25	9.75	3312.24	
RW-2	10/04/17	3362.00	63.40	49.75	49.98	0.23	NA	0.25	9.75	3312.22	
RW-2	10/12/17	3362.00	63.40	49.79	49.95	0.16	NA	0.25	9.75	3312.19	
RW-2	10/18/17	3362.00	63.40	49.80	49.99	0.19	NA	0.25	9.75	3312.17	
RW-2	10/26/17	3362.00	63.40	49.84	49.96	0.12	NA	sheen	10.00	3312.14	
RW-2	11/01/17	3362.00	63.40	49.72	49.86	0.14	NA	sheen	10.00	3312.26	
RW-2	11/09/17	3362.00	63.40	49.68	49.80	0.12	NA	sheen	10.00	3312.30	
RW-2	11/16/17	3362.00	63.40	49.69	49.84	0.15	NA	0.25	9.75	3312.29	
RW-2	11/28/17	3362.00	63.40	49.72	49.85	0.13	NA	NA	NA	3312.26	
RW-2	12/06/17	3362.00	63.40	49.70	49.96	0.26	NA	sheen	10.00	3312.26	
RW-2	12/13/17	3362.00	63.40	49.56	49.79	0.23	NA	0.25	9.75	3312.41	
RW-2	01/03/18	3362.00	63.40	49.61	49.85	0.24	NA	0.25	9.75	3312.35	
RW-2	01/10/18	3362.00	63.40	49.54	49.80	0.26	NA	0.25	9.75	3312.42	
RW-2	01/17/18	3362.00	63.40	49.63	49.84	0.21	NA	1.50	8.50	3312.34	
RW-2	01/25/18	3362.00	63.40	49.50	49.66	0.16	NA	1.00	9.00	3312.48	
RW-2	02/01/18	3362.00	63.40	49.51	49.64	0.13	NA	1.00	9.00	3312.47	
RW-2	02/14/18	3362.00	63.40	49.48	49.58	0.10	NA	sheen	10.00	3312.51	
RW-2	02/21/18	3362.00	63.40	49.48	49.59	0.11	NA	sheen	10.00	3312.50	
RW-2	02/28/18	3362.00	63.40	49.41	49.62	0.21	NA	sheen	10.00	3312.56	
RW-2	03/06/18	3362.00	63.40	49.45	49.55	0.10	NA	NA	NA	3312.54	
RW-2	03/15/18	3362.00	63.40	49.42	49.57	0.15	NA	sheen	10.00	3312.56	
RW-2	03/22/18	3362.00	63.40	49.51	49.60	0.09	NA	sheen	10.00	3312.48	
RW-2	03/28/18	3362.00	63.40	49.49	49.79	0.30	NA	0.25	9.75	3312.47	
RW-2	04/04/18	3362.00	63.40	49.52	49.62	0.10	NA	sheen	10.00	3312.47	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	04/11/18	3362.00	63.40	49.50	49.59	0.09	NA	sheen	10.00	3312.49	
RW-2	04/19/18	3362.00	63.40	49.46	49.59	0.13	NA	sheen	10.00	3312.52	
RW-2	04/24/18	3362.00	63.40	49.51	49.60	0.09	NA	sheen	10.00	3312.48	
RW-2	05/02/18	3362.00	63.40	49.40	49.49	0.09	NA	sheen	10.00	3312.59	
RW-2	05/09/18	3362.00	63.40	49.43	49.50	0.07	NA	sheen	10.00	3312.56	
RW-2	05/15/18	3362.00	63.40	49.41	49.49	0.08	NA	sheen	10.00	3312.58	
RW-2	05/22/18	3362.00	63.40	49.39	49.47	0.08	NA	sheen	10.00	3312.60	
RW-2	05/30/18	3362.00	63.40	49.42	49.50	0.08	NA	sheen	10.00	3312.57	Sampled
RW-2	06/12/18	3362.00	63.40	49.39	49.60	0.21	NA	0.25	9.25	3312.58	
RW-2	06/19/18	3362.00	63.40	49.41	49.58	0.17	NA	0.25	9.25	3312.56	
RW-2	06/29/18	3362.00	63.40	49.44	49.60	0.16	NA	0.25	9.75	3312.54	
RW-2	07/05/18	3362.00	63.40	49.40	49.55	0.15	NA	0.25	9.75	3312.58	
RW-2	07/11/18	3362.00	63.40	49.46	49.60	0.14	NA	0.25	9.75	3312.52	
RW-2	07/18/18	3362.00	63.40	49.30	49.58	0.28	NA	sheen	10.00	3312.66	
RW-2	07/26/18	3362.00	63.40	49.32	49.62	0.30	NA	0.25	9.75	3312.64	
RW-2	07/31/18	3362.00	63.40	49.31	49.56	0.25	NA	sheen	10.00	3312.65	
RW-2	08/07/18	3362.00	63.40	49.27	49.52	0.25	NA	0.25	9.75	3312.69	
RW-2	08/14/18	3362.00	63.40	49.26	49.58	0.32	NA	0.25	9.75	3312.69	
RW-2	08/21/18	3362.00	63.40	49.25	49.55	0.30	NA	0.25	9.75	3312.71	
RW-2	08/30/18	3362.00	63.40	49.31	49.50	0.19	NA	0.25	9.75	3312.66	
RW-2	09/05/18	3362.00	63.40	49.35	49.59	0.24	NA	0.25	9.75	3312.61	
RW-2	09/18/18	3362.00	63.40	49.25	49.49	0.24	NA	0.25	9.75	3312.71	
RW-2	09/26/18	3362.00	63.40	49.30	49.51	0.21	NA	0.25	9.75	3312.67	
RW-2	10/03/18	3362.00	63.40	49.30	49.56	0.26	NA	0.25	9.75	3312.66	
RW-2	10/11/18	3362.00	63.40	49.25	49.55	0.30	NA	0.25	9.75	3312.71	
RW-2	10/17/18	3362.00	63.40	48.96	49.11	0.15	NA	0.25	9.75	3313.02	
RW-2	10/24/18	3362.00	63.40	49.00	49.22	0.22	NA	sheen	10.00	3312.97	
RW-2	10/31/18	3362.00	63.40	49.16	49.42	0.26	NA	0.25	9.75	3312.80	
RW-2	11/06/18	3362.00	63.40	49.22	49.40	0.18	NA	0.25	9.75	3312.75	
RW-2	11/13/18	3362.00	63.40	49.25	49.47	0.22	NA	0.25	9.75	3312.72	
RW-2	11/21/18	3362.00	63.40	49.18	49.40	0.22	NA	0.25	9.75	3312.79	
RW-2	11/27/18	3362.00	63.40	49.20	49.48	0.28	NA	0.25	9.75	3312.76	
RW-2	12/72018	3362.00	63.40	49.21	49.41	0.20	NA	0.25	9.75	3312.76	
RW-2	12/12/18	3362.00	63.40	49.25	49.51	0.26	NA	0.25	9.75	3312.71	
RW-2	12/18/18	3362.00	63.40	49.20	49.55	0.35	NA	0.25	9.75	3312.75	
RW-2	01/03/19	3362.00	63.40	49.21	49.56	0.35	NA	0.25	9.75	3312.74	
RW-2	01/08/19	3362.00	63.40	49.19	49.58	0.39	NA	0.50	9.50	3312.75	
RW-2	01/29/19	3362.00	63.40	49.15	49.90	0.75	NA	sheen	10.00	3312.74	
RW-2	02/05/19	3362.00	63.40	49.18	49.32	0.14	NA	0.25	9.75	3312.80	Sampled
RW-2	02/12/19	3362.00	63.40	49.18	49.40	0.22	NA	0.25	9.25	3312.79	
RW-2	02/27/19	3362.00	63.40	49.15	49.38	0.23	NA	0.25	9.25	3312.82	
RW-2	03/06/19	3362.00	63.40	49.18	49.40	0.22	NA	0.25	9.75	3312.79	
RW-2	03/12/19	3362.00	63.40	49.20	49.40	0.20	NA	sheen	10.00	3312.77	
RW-2	03/21/19	3362.00	63.40	49.19	49.41	0.22	NA	0.25	9.75	3312.78	
RW-2	03/28/19	3362.00	63.40	49.26	49.49	0.23	NA	sheen	10.00	3312.71	
RW-2	04/02/19	3362.00	63.40	49.20	49.44	0.24	NA	0.25	9.75	3312.76	
RW-2	04/10/19	3362.00	63.40	49.17	49.36	0.19	NA	sheen	10.00	3312.80	
RW-2	04/16/19	3362.00	63.40	49.19	49.42	0.23	NA	0.25	9.75	3312.78	
RW-2	04/24/19	3362.00	63.40	49.21	49.40	0.19	NA	0.25	9.75	3312.76	
RW-2	05/01/19	3362.00	63.40	48.90	49.12	0.22	NA	0.25	9.75	3313.07	
RW-2	05/08/19	3362.00	63.40	49.00	49.11	0.12	NA	sheen	10.00	3312.99	
RW-2	05/17/19	3362.00	63.40	48.99	49.15	0.16	NA	sheen	10.00	3312.99	
RW-2	05/24/19	3362.00	63.40	49.01	49.18	0.17	NA	sheen	10.00	3312.96	
RW-2	06/05/19	3362.00	63.40	48.89	48.94	0.05	NA	sheen	10.00	3313.10	
RW-2	06/14/19	3362.00	63.40	48.88	48.99	0.11	NA	0.50	9.50	3313.10	
RW-2	06/20/19	3362.00	63.40	48.91	48.97	0.06	NA	sheen	9.75	3313.08	
RW-2	06/25/19	3362.00	63.40	48.92	49.10	0.18	NA	0.50	9.50	3313.05	
RW-2	07/02/19	3362.00	63.40	48.95	49.10	0.15	NA	sheen	10.00	3313.03	
RW-2	07/10/19	3362.00	63.40	48.93	49.10	0.17	NA	0.25	9.75	3313.04	
RW-2	07/26/19	3362.00	63.40	48.86	48.88	0.02	NA	sheen	10.00	3313.14	
RW-2	08/11/19	3362.00	63.40	48.94	49.27	0.33	NA	0.25	9.75	3313.01	
RW-2	08/14/19	3362.00	63.40	48.96	49.21	0.25	NA	0.25	9.75	3313.00	
RW-2	08/21/19	3362.00	63.40	48.98	48.99	0.01	NA	sheen	10.00	3313.02	
RW-2	09/06/19	3362.00	63.40	48.95	49.12	0.17	NA	0.25	9.75	3313.02	
RW-2	09/12/19	3362.00	63.40	48.98	49.15	0.17	NA	0.25	9.75	3312.99	
RW-2	09/19/19	3362.00	63.40	48.92	49.12	0.20	NA	1.00	9.00	3313.05	
RW-2	09/26/19	3362.00	63.40	49.30	49.51	0.21	NA	0.25	9.75	3312.67	
RW-2	10/16/19	3362.00	63.40	48.26	49.25	0.99	NA	0.25	9.75	3313.59	
RW-2	10/23/19	3362.00	63.40	48.95	49.05	0.10	NA	sheen	10.00	3313.04	
RW-2	10/31/19	3362.00	63.40	48.98	49.12	0.14	NA	sheen	10.00	3313.00	
RW-2	11/05/19	3362.00	63.40	48.91	49.04	0.13	NA	NA	NA	3313.07	
RW-2	11/14/19	3362.00	63.40	48.94	48.98	0.04	NA	0.25	9.75	3313.05	
RW-2	11/26/19	3362.00	63.40	48.80	49.05	0.25	NA	0.25	9.75	3313.16	
RW-2	12/03/19	3362.00	63.40	48.89	49.13	0.24	NA	sheen	10.00	3313.07	
RW-2	12/13/19	3362.00	63.40	48.91	49.14	0.23	NA	sheen	10.00	3313.06	
RW-2	12/20/19	3362.00	63.40	48.90	49.00	0.10	NA	sheen	10.00	3313.09	
RW-2	12/26/19	3362.00	63.40	48.88	48.92	0.04	NA	sheen	10.00	3313.11	
RW-2	01/02/20	3362.00	63.40	48.91	49.00	0.09	NA	0.25	9.75	3313.07	
RW-2	01/09/20	3362.00	63.40	48.95	49.03	0.08	NA	0.25	9.75	3313.04	
RW-2	01/14/20	3362.00	63.40	48.97	49.02	0.05	NA	0.25	9.75	3313.02	
RW-2	01/31/20	3362.00	63.40	48.83	48.97	0.14	NA	0.25	9.75	3313.15	
RW-2	02/07/20	3362.00	63.40	48.82	48.89	0.07	NA	0.25	9.75	3313.17	
RW-2	02/12/20	3362.00	63.40	48.78	48.90	0.12	NA	0.25	9.75	3313.20	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-2	02/19/20	3362.00	63.40	48.86	48.93	0.07	NA	0.25	9.75	3313.13	
RW-2	02/26/20	3362.00	63.40	48.81	48.88	0.07	NA	0.25	9.75	3313.18	
RW-2	03/05/20	3362.00	63.40	48.78	48.82	0.04	NA	0.25	9.75	3313.21	
RW-2	03/11/20	3362.00	63.40	48.80	48.92	0.12	NA	0.25	9.75	3313.18	
RW-2	03/17/20	3362.00	63.40	48.74	48.85	0.11	NA	0.25	9.75	3313.24	
RW-2	03/23/20	3362.00	63.40	48.72	48.80	0.08	NA	0.25	9.75	3313.27	
RW-2	05/07/20	3362.00	63.40	48.68	48.98	0.30	NA	NA	NA	3313.28	guage only
RW-2	05/20/20	3362.00	63.40	48.65	49.00	0.35	NA	1.00	9.00	3313.30	
RW-2	06/03/20	3362.00	63.40	48.63	48.68	0.05	NA	sheen	10.00	3313.36	
RW-2	06/16/20	3362.00	63.40	48.68	48.76	0.08	NA	0.25	9.75	3313.31	
RW-2	07/14/20	3362.00	63.40	48.64	48.81	0.17	NA	1.00	9.00	3313.33	
RW-2	08/18/20	3362.00	63.40	48.65	48.70	0.05	NA	0.25	9.75	3313.34	
RW-2	09/16/20	3362.00	63.40	48.69	48.80	0.11	NA	1.00	9.00	3313.29	
RW-2	10/08/20	3362.00	63.40	48.72	48.80	0.08	NA	sheen	10.00	3313.27	
RW-2	11/20/20	3362.00	63.40	48.66	48.70	0.04	NA	0.25	9.75	3313.33	
RW-2	12/04/20	3362.00	63.40	48.61	48.68	0.07	NA	0.25	9.75	3313.38	
RW-2	12/22/20	3362.00	63.40	48.68	48.75	0.07	NA	0.25	9.75	3313.31	
RW-3	03/28/06	3361.93	63.85	50.22	50.41	0.19	NA	NA	NA	3311.68	
RW-3	03/29/06	3361.93	NG	50.20	50.37	0.17	NA	NA	NA	3311.70	
RW-3	04/13/06	3361.93	NG	50.02	51.04	1.02	Hand Bailed	2.00	0.00	3311.76	
RW-3	04/13/06	3361.93	NG	50.32	50.37	0.05	NA	NA	NA	3311.60	
RW-3	04/25/06	3361.93	NG	50.15	51.00	0.85	Hand Bailed	2.00	0.00	3311.65	
RW-3	04/25/06	3361.93	NG	51.25	51.30	0.05	NA	NA	NA	3310.67	
RW-3	05/03/06	3361.93	NG	50.10	50.81	0.71	Hand Bailed	3.00	0.00	3311.72	
RW-3	05/03/06	3361.93	NG	50.15	50.31	0.16	NA	NA	NA	3311.76	
RW-3	05/11/06	3361.93	NG	50.18	50.91	0.73	Hand Bailed	0.75	0.00	3311.64	
RW-3	05/11/06	3361.93	NG	51.01	51.08	0.07	NA	NA	NA	3310.91	
RW-3	05/24/06	3361.93	NG	50.13	50.81	0.68	Hand Bailed	0.75	0.00	3311.70	
RW-3	05/24/06	3361.93	NG	51.96	52.00	0.04	NA	NA	NA	3309.96	
RW-3	06/07/06	3361.93	NG	50.17	50.90	0.73	Hand Bailed	1.00	0.00	3311.65	
RW-3	06/07/06	3361.93	NG	50.50	50.65	0.15	NA	NA	NA	3311.41	
RW-3	06/15/06	3361.93	NG	50.13	50.63	0.50	NA	NA	NA	3311.73	
RW-3	06/29/06	3361.93	NG	50.14	50.96	0.82	Hand Bailed	1.00	0.00	3311.67	
RW-3	06/29/06	3361.93	NG	50.53	50.58	0.05	NA	NA	NA	3311.39	
RW-3	07/11/06	3361.93	NG	50.12	50.61	0.49	NA	NA	NA	3311.74	
RW-3	07/11/06	3361.93	NG	50.12	50.50	0.38	NA	NA	NA	3311.75	
RW-3	07/25/06	3361.93	NG	50.22	50.54	0.32	Hand Bailed	0.50	0.00	3311.66	
RW-3	07/25/06	3361.93	NG	50.55	50.60	0.05	NA	NA	NA	3311.37	
RW-3	08/09/06	3361.93	64.00	50.38	50.55	0.17	NA	NA	NA	3311.52	
RW-3	08/22/06	3361.93	NG	50.22	50.77	0.55	Hand Bailed	0.75	9.25	3311.63	
RW-3	08/22/06	3361.93	NG	50.79	50.84	0.05	NA	NA	NA	3311.13	
RW-3	09/12/06	3361.93	64.42	49.55	50.12	0.57	NA	NA	NA	3312.29	
RW-3	09/19/06	3361.93	NG	50.30	50.65	0.35	Hand Bailed	0.50	9.50	3311.58	
RW-3	09/19/06	3361.93	NG	51.08	51.10	0.02	NA	NA	NA	3310.85	
RW-3	10/03/06	3361.93	NG	50.16	50.56	0.40	Hand Bailed	0.50	9.50	3311.71	
RW-3	10/03/06	3361.93	NG	51.13	51.16	0.03	NA	NA	NA	3310.80	Installed Sock
RW-3	10/17/06	3361.93	NG	50.12	50.48	0.36	Hand Bailed	50.00	4.50	3311.76	
RW-3	10/17/06	3361.93	NG	50.16	50.18	0.02	NA	NA	NA	3311.77	Removed sock
RW-3	10/31/06	3361.93	NG	50.07	51.13	1.06	Hand Bailed	1.50	3.50	3311.70	
RW-3	10/31/06	3361.93	NG	50.08	50.15	0.07	NA	NA	NA	3311.84	Installed Sock
RW-3	11/15/06	3361.93	NG	50.24	50.62	0.38	Hand Bailed	0.50	9.50	3311.63	
RW-3	11/15/06	3361.93	NG	50.42	50.46	0.04	NA	NA	NA	3311.50	Removed sock
RW-3	12/06/06	3361.42	NG	49.93	51.10	1.17	NA	NA	NA	3311.31	No Sock
RW-3	12/13/06	3361.42	NG	49.91	51.13	1.22	Hand Bailed	1.50	3.50	3311.33	
RW-3	12/13/06	3361.42	NG	52.51	52.56	0.05	NA	NA	NA	3308.90	No Sock
RW-3	12/20/06	3361.42	NG	49.85	51.28	1.43	Hand Bailed	0.50	9.50	3311.36	
RW-3	12/20/06	3361.42	NG	50.15	50.20	0.05	NA	NA	NA	3311.26	No Sock
RW-3	12/27/06	3361.42	NG	49.89	50.98	1.09	Hand Bailed	1.50	3.50	3311.37	
RW-3	12/27/06	3361.42	NG	ND	52.90	ND	NA	NA	NA	3308.52	No Sock
RW-3	01/03/07	3361.42	NG	49.93	51.00	1.07	Hand Bailed	1.00	9.00	3311.33	
RW-3	01/03/07	3361.42	NG	50.33	50.38	0.05	NA	NA	NA	3311.08	No Sock
RW-3	01/09/07	3361.42	NG	50.00	50.98	0.98	Hand Bailed	1.25	3.75	3311.27	
RW-3	01/09/07	3361.42	NG	50.96	50.98	0.02	NA	NA	NA	3310.46	No Sock
RW-3	01/18/07	3361.42	NG	49.82	50.85	1.03	Hand Bailed	1.50	8.50	3311.45	
RW-3	01/18/07	3361.42	NG	50.45	50.50	0.05	NA	NA	NA	3310.96	No Sock
RW-3	01/22/07	3361.42	NG	49.82	50.67	0.85	Hand Bailed	1.50	8.50	3311.47	
RW-3	01/22/07	3361.42	NG	50.33	50.35	0.02	NA	NA	NA	3311.09	No Sock
RW-3	02/01/07	3361.42	NG	49.80	50.63	0.83	Hand Bailed	2.00	8.00	3311.50	
RW-3	02/01/07	3361.42	NG	50.63	50.68	0.05	NA	NA	NA	3310.78	No Sock
RW-3	02/07/07	3361.42	NG	49.69	49.96	0.27	Hand Bailed	1.50	8.50	3311.69	
RW-3	02/07/07	3361.42	NG	49.91	49.94	0.03	NA	NA	NA	3311.51	No Sock
RW-3	02/14/07	3361.42	NG	49.70	49.97	0.27	Hand Bailed	0.75	9.00	3311.68	
RW-3	02/14/07	3361.42	NG	ND	49.95	ND	NA	NA	NA	3311.47	No Sock
RW-3	02/21/07	3361.42	NG	49.66	49.96	0.30	Hand Bailed	0.50	9.00	3311.72	
RW-3	02/28/07	3361.42	NG	ND	49.99	ND	NA	NA	NA	3311.43	No Sock
RW-3	03/07/07	3361.42	NG	49.78	51.05	1.27	Hand Bailed	1.50	4.00	3311.45	
RW-3	03/07/07	3361.42	NG	50.35	50.40	0.05	NA	NA	NA	3311.06	No Sock
RW-3	03/14/07	3361.42	NG	49.74	50.78	1.04	Hand Bailed	1.00	2.00	3311.52	
RW-3	03/14/07	3361.42	NG	49.97	50.07	0.10	NA	NA	NA	3311.44	No Sock
RW-3	03/21/07	3361.42	NG	49.78	50.80	1.02	Hand Bailed	1.00	1.00	3311.49	
RW-3	03/21/07	3361.42	NG	49.92	49.98	0.06	NA	NA	NA	3311.49	No Sock
RW-3	03/28/07	3361.42	NG	49.69	50.82	1.13	Hand Bailed	0.75	0.75	3311.56	
RW-3	03/28/07	3361.42	NG	50.02	50.07	0.05	NA	NA	NA	3311.39	No Sock

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	04/03/07	3361.42	NG	49.78	50.78	1.00	Hand Bailed	1.00	0.25	3311.49	
RW-3	04/03/07	3361.42	NG	49.98	50.25	0.27	NA	NA	NA	3311.40	No Sock
RW-3	04/10/07	3361.42	NG	49.74	50.88	1.14	Hand Bailed	0.75	0.50	3311.51	
RW-3	04/10/07	3361.42	NG	50.15	50.20	0.05	NA	NA	NA	3311.26	No Sock
RW-3	04/18/07	3361.42	NG	49.75	50.86	1.11	Hand Bailed	1.00	8.50	3311.50	
RW-3	04/18/07	3361.42	NG	50.06	50.15	0.09	NA	NA	NA	3311.35	No Sock
RW-3	04/24/07	3361.42	NG	49.51	50.99	1.48	Hand Bailed	1.00	8.50	3311.69	
RW-3	04/24/07	3361.42	NG	50.12	50.29	0.17	NA	NA	NA	3311.27	No Sock
RW-3	05/03/07	3361.42	NG	49.63	50.78	1.15	Hand Bailed	1.00	9.00	3311.62	
RW-3	05/03/07	3361.42	NG	50.02	50.10	0.08	NA	NA	NA	3311.39	No Sock
RW-3	05/11/07	3361.42	NG	49.73	50.76	1.03	Hand Bailed	1.00	9.00	3311.54	
RW-3	05/11/07	3361.42	NG	ND	50.48	ND	NA	NA	NA	3310.94	No Sock
RW-3	05/16/07	3361.42	NG	49.80	50.47	0.67	Hand Bailed	0.50	9.00	3311.52	
RW-3	05/16/07	3361.42	NG	ND	50.25	ND	NA	NA	NA	3311.17	No Sock
RW-3	05/23/07	3361.42	NG	49.69	50.31	0.62	Hand Bailed	0.50	9.50	3311.64	
RW-3	05/23/07	3361.42	NG	50.50	50.52	0.02	NA	NA	NA	3310.92	No Sock
RW-3	05/31/07	3361.42	NG	49.68	50.10	0.42	Hand Bailed	0.50	9.50	3311.68	
RW-3	05/31/07	3361.42	NG	50.50	50.52	0.02	NA	NA	NA	3310.92	No Sock
RW-3	06/06/07	3361.42	63.83	49.20	50.24	1.04	Hand Bailed	0.75	9.00	3312.06	
RW-3	06/06/07	3361.42	63.83	ND	50.38	ND	NA	NA	NA	3311.04	No Sock
RW-3	06/13/07	3361.42	63.83	49.75	50.22	0.47	Hand Bailed	0.75	9.00	3311.60	
RW-3	06/13/07	3361.42	63.83	ND	50.30	ND	NA	NA	NA	3311.12	No Sock
RW-3	06/19/07	3361.42	63.83	49.72	50.38	0.66	Hand Bailed	0.75	9.00	3311.60	
RW-3	06/19/07	3361.42	63.83	50.10	50.12	0.02	NA	NA	NA	3311.32	No Sock
RW-3	06/27/07	3361.42	63.83	49.71	50.26	0.55	Hand Bailed	0.50	9.00	3311.63	
RW-3	06/27/07	3361.42	63.83	ND	50.36	ND	NA	NA	NA	3311.06	No Sock
RW-3	07/05/07	3361.42	63.75	49.67	50.25	0.58	Hand Bailed	0.50	9.00	3311.66	
RW-3	07/05/07	3361.42	63.75	ND	50.00	ND	NA	NA	NA	3311.42	No Sock
RW-3	07/11/07	3361.42	63.75	49.69	50.31	0.62	Hand Bailed	0.75	8.50	3311.64	
RW-3	07/11/07	3361.42	63.75	ND	50.38	ND	NA	NA	NA	3311.04	No Sock
RW-3	07/19/07	3361.42	63.75	49.69	50.12	0.43	Hand Bailed	0.50	8.50	3311.67	
RW-3	07/19/07	3361.42	63.75	ND	50.21	ND	NA	NA	NA	3311.21	No Sock
RW-3	07/24/07	3361.42	63.75	49.61	50.18	0.57	Hand Bailed	0.75	9.00	3311.72	
RW-3	07/24/07	3361.42	63.75	50.18	50.20	0.02	NA	NA	NA	3311.24	No Sock
RW-3	07/31/07	3361.42	63.79	49.68	50.30	0.62	Hand Bailed	0.75	9.00	3311.65	
RW-3	07/31/07	3361.42	63.79	50.18	50.20	0.02	NA	NA	NA	3311.24	No Sock
RW-3	08/09/07	3361.42	63.79	ND	50.49	ND	Hand Bailed	0.75	9.00	3310.93	
RW-3	08/09/07	3361.42	63.79	50.45	50.47	0.02	NA	NA	NA	3310.97	No Sock
RW-3	08/16/07	3361.42	63.79	49.81	50.48	0.67	Hand Bailed	0.50	9.00	3311.51	
RW-3	08/16/07	3361.42	63.79	ND	50.41	ND	NA	NA	NA	3311.01	No Sock
RW-3	08/22/07	3361.42	63.79	49.73	50.56	0.83	Hand Bailed	0.75	9.00	3311.57	
RW-3	08/22/07	3361.42	63.79	50.48	50.50	0.02	NA	NA	NA	3310.94	No Sock
RW-3	08/28/07	3361.42	63.79	49.98	50.71	0.73	Hand Bailed	0.75	9.00	3311.33	
RW-3	08/28/07	3361.42	63.79	50.60	50.62	0.02	NA	NA	NA	3310.82	No Sock
RW-3	09/06/07	3361.42	63.79	49.68	50.22	0.54	Hand Bailed	0.50	9.00	3311.66	
RW-3	09/06/07	3361.42	63.79	ND	50.26	ND	NA	NA	NA	3311.16	No Sock
RW-3	09/13/07	3361.42	63.79	49.72	50.25	0.53	Hand Bailed	0.50	9.00	3311.62	
RW-3	09/13/07	3361.42	63.79	50.28	50.31	0.03	NA	NA	NA	3311.14	No Sock
RW-3	09/18/07	3361.42	63.79	49.70	50.20	0.50	Hand Bailed	0.50	9.00	3311.65	
RW-3	09/18/07	3361.42	63.79	ND	50.26	ND	NA	NA	NA	3311.16	No Sock
RW-3	09/26/07	3361.42	63.79	49.78	50.28	0.50	Hand Bailed	0.50	9.00	3311.57	
RW-3	09/26/07	3361.42	63.79	50.43	50.46	0.03	NA	NA	NA	3310.99	No Sock
RW-3	10/04/07	3361.42	63.79	49.84	50.39	0.55	Hand Bailed	0.50	9.00	3311.50	
RW-3	10/04/07	3361.42	63.79	50.52	50.58	0.06	NA	NA	NA	3310.89	No Sock
RW-3	10/10/07	3361.42	63.79	49.75	50.22	0.47	Hand Bailed	0.50	9.00	3311.60	
RW-3	10/10/07	3361.42	63.79	50.36	50.39	0.03	NA	NA	NA	3311.06	No Sock
RW-3	10/17/07	3361.42	63.79	49.72	50.24	0.52	Hand Bailed	0.50	9.00	3311.62	
RW-3	10/17/07	3361.42	63.79	50.30	50.34	0.04	NA	NA	NA	3311.11	No Sock
RW-3	10/24/07	3361.42	63.79	49.76	50.16	0.40	Hand Bailed	0.50	50.00	3311.60	
RW-3	10/24/07	3361.42	63.79	ND	50.10	ND	NA	NA	NA	3311.32	No Sock
RW-3	10/31/07	3361.42	63.79	49.78	49.90	0.12	Hand Bailed	0.50	10.00	3311.62	
RW-3	10/31/07	3361.42	63.79	ND	50.32	ND	NA	NA	NA	3311.10	No Sock
RW-3	11/07/07	3361.42	63.79	49.26	49.28	0.02	Hand Bailed	0.25	9.00	3312.16	
RW-3	11/07/07	3361.42	63.79	50.20	50.24	0.04	NA	NA	NA	3311.21	No Sock
RW-3	11/13/07	3361.42	63.79	49.78	49.94	0.16	NA	NA	NA	3311.62	Installed Sock
RW-3	11/20/07	3361.42	63.79	49.88	49.90	0.02	NA	NA	NA	3311.54	Flipped Sock
RW-3	11/27/07	3361.42	63.79	49.91	49.93	0.02	Hand Bailed	0.25	8.00	3311.51	
RW-3	11/27/07	3361.42	63.79	ND	50.20	ND	NA	NA	NA	3311.22	Sock
RW-3	12/05/07	3361.42	63.79	49.60	49.61	0.01	Hand Bailed	0.25	8.00	3311.82	
RW-3	12/05/07	3361.42	63.79	ND	49.89	ND	NA	NA	NA	3311.53	New sock
RW-3	12/12/07	3361.42	63.79	49.57	49.59	0.02	Hand Bailed	0.25	8.00	3311.85	
RW-3	12/12/07	3361.42	63.79	ND	49.62	ND	NA	NA	NA	3311.80	Sock
RW-3	12/18/07	3361.42	63.79	ND	49.96	ND	Hand Bailed	0.00	10.00	3311.46	
RW-3	12/18/07	3361.42	63.79	ND	51.58	ND	NA	NA	NA	3309.84	New sock
RW-3	12/27/07	3361.42	63.79	ND	49.84	ND	Hand Bailed	0.00	9.00	3311.58	
RW-3	12/27/07	3361.42	63.79	ND	51.58	ND	NA	NA	NA	3309.84	New sock
RW-3	01/03/08	3361.42	63.79	ND	49.87	ND	Hand Bailed	0.00	5.00	3311.55	
RW-3	01/03/08	3361.42	63.79	ND	50.29	ND	NA	NA	NA	3311.13	New sock
RW-3	01/09/08	3361.42	63.79	ND	49.90	ND	Hand Bailed	0.00	10.00	3311.52	
RW-3	01/09/08	3361.42	63.79	ND	51.75	ND	NA	NA	NA	3309.67	New sock
RW-3	01/17/08	3361.42	63.79	ND	49.85	ND	Hand Bailed	0.00	10.00	3311.57	
RW-3	01/17/08	3361.42	63.79	ND	51.12	ND	NA	NA	NA	3310.30	New sock
RW-3	01/23/08	3361.42	63.79	ND	49.88	ND	NA	NA	NA	3311.54	New sock
RW-3	01/30/08	3361.42	63.79	ND	49.81	ND	Hand Bailed	0.00	20.00	3311.61	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	01/30/08	3361.42	63.79	ND	51.68	ND	NA	NA	NA	3309.74	Sock
RW-3	02/06/08	3361.42	63.79	ND	49.82	ND	Hand Bailed	0.00	20.00	3311.60	
RW-3	02/06/08	3361.42	63.79	ND	51.60	ND	NA	NA	NA	3309.82	Sock
RW-3	02/13/08	3361.42	63.79	ND	49.81	ND	Hand Bailed	0.00	20.00	3311.61	
RW-3	02/13/08	3361.42	63.79	ND	51.50	ND	NA	NA	NA	3309.92	New sock
RW-3	02/18/08	3361.42	63.79	ND	49.80	ND	Hand Bailed	0.00	20.00	3311.62	
RW-3	02/18/08	3361.42	63.79	ND	50.58	ND	NA	NA	NA	3310.84	New sock
RW-3	02/27/08	3361.42	63.79	ND	49.87	ND	Hand Bailed	0.00	20.00	3311.55	
RW-3	02/27/08	3361.42	63.79	ND	49.75	ND	NA	NA	NA	3311.67	New sock
RW-3	03/04/08	3361.42	63.79	ND	48.78	ND	Hand Bailed	0.00	20.00	3312.64	
RW-3	03/04/08	3361.42	63.79	ND	50.82	ND	NA	NA	NA	3310.60	New sock
RW-3	03/12/08	3361.42	63.79	ND	49.87	ND	Hand Bailed	0.00	20.00	3311.55	
RW-3	03/12/08	3361.42	63.79	ND	51.45	ND	NA	NA	NA	3309.97	New sock
RW-3	03/19/08	3361.42	63.79	ND	49.90	ND	Hand Bailed	0.00	20.00	3311.52	
RW-3	03/19/08	3361.42	63.79	ND	51.83	ND	NA	NA	NA	3309.59	New sock
RW-3	03/26/08	3361.42	63.79	ND	49.85	ND	Hand Bailed	0.00	20.00	3311.57	
RW-3	03/26/08	3361.42	63.79	ND	51.05	ND	NA	NA	NA	3310.37	New sock
RW-3	04/02/08	3361.42	63.79	ND	49.98	ND	Hand Bailed	0.00	20.00	3311.44	
RW-3	04/02/08	3361.42	63.79	ND	50.43	ND	NA	NA	NA	3310.99	Pump
RW-3	04/09/08	3361.42	63.79	ND	49.74	ND	Hand Bailed	0.00	20.00	3311.68	
RW-3	04/09/08	3361.42	63.79	ND	50.99	ND	NA	NA	NA	3310.43	Pump
RW-3	04/16/08	3361.42	63.79	ND	49.78	ND	Hand Bailed	0.00	20.00	3311.64	
RW-3	04/16/08	3361.42	63.79	ND	50.65	ND	NA	NA	NA	3310.77	Pump
RW-3	04/24/08	3361.42	63.79	ND	49.85	ND	NA	NA	NA	3311.57	
RW-3	04/30/08	3361.42	63.79	ND	49.84	ND	Pumped	0.00	20.00	3311.58	
RW-3	04/30/08	3361.42	63.79	ND	51.80	ND	NA	NA	NA	3309.62	
RW-3	05/07/08	3361.42	63.79	ND	49.89	ND	Pumped	0.00	20.00	3311.53	
RW-3	05/07/08	3361.42	63.79	50.26	51.80	1.54	NA	NA	NA	3310.93	Sock
RW-3	05/14/08	3361.42	63.79	49.86	49.94	0.08	Pumped	0.25	19.00	3311.55	
RW-3	05/14/08	3361.42	63.79	ND	50.41	ND	NA	NA	NA	3311.01	Sock
RW-3	05/22/08	3361.42	63.79	49.91	49.92	0.01	Pumped	0.00	20.00	3311.51	
RW-3	05/22/08	3361.42	63.77	ND	50.30	ND	NA	NA	NA	3311.12	Sock
RW-3	05/28/08	3361.42	63.77	50.00	50.25	0.25	Pumped	0.50	26.50	3311.38	
RW-3	05/28/08	3361.42	63.77	ND	50.50	ND	NA	NA	NA	3310.92	New sock
RW-3	06/04/08	3361.42	63.77	50.07	50.22	0.15	Pumped	0.50	19.00	3311.33	
RW-3	06/04/08	3361.42	63.77	ND	50.86	ND	NA	NA	NA	3310.56	New sock
RW-3	06/11/08	3361.42	63.77	50.11	50.27	0.16	Pumped	0.50	19.00	3311.29	
RW-3	06/11/08	3361.42	63.77	ND	50.92	ND	NA	NA	NA	3310.50	New sock
RW-3	06/18/08	3361.42	63.77	50.10	50.27	0.17	Pumped	0.50	19.00	3311.29	
RW-3	06/18/08	3361.42	63.77	ND	51.03	ND	NA	NA	NA	3310.39	New sock
RW-3	06/26/08	3361.42	63.77	50.18	50.23	0.05	Pumped	0.50	19.00	3311.23	
RW-3	06/26/08	3361.42	63.77	ND	51.51	ND	NA	NA	NA	3309.91	New sock
RW-3	07/02/08	3361.42	63.77	50.21	50.22	0.01	Pumped	0.25	19.00	3311.21	
RW-3	07/02/08	3361.42	63.77	ND	51.03	ND	NA	NA	NA	3310.39	New sock
RW-3	07/07/08	3361.42	63.77	ND	50.03	ND	Pumped	0.00	20.00	3311.39	
RW-3	07/07/08	3361.42	63.77	ND	50.26	ND	NA	NA	NA	3311.16	New sock
RW-3	07/16/08	3361.42	63.77	ND	50.10	ND	Pumped	0.00	20.00	3311.32	
RW-3	07/16/08	3361.42	63.77	ND	50.53	ND	NA	NA	NA	3310.89	Flipped Sock
RW-3	07/22/08	3361.42	63.77	50.11	50.14	0.03	Pumped	0.00	20.00	3311.31	
RW-3	07/22/08	3361.42	63.77	ND	50.63	ND	NA	NA	NA	3310.79	New sock
RW-3	07/29/08	3361.42	63.77	50.16	50.17	0.01	Pumped	0.00	20.00	3311.26	
RW-3	07/29/08	3361.42	63.77	ND	51.39	ND	NA	NA	NA	3310.03	Sock
RW-3	08/06/08	3361.42	63.77	ND	50.15	ND	Pumped	0.00	20.00	3311.27	
RW-3	08/06/08	3361.42	63.77	ND	50.81	ND	NA	NA	NA	3310.61	Sock
RW-3	08/13/08	3361.42	63.77	50.13	50.24	0.11	Pumped	0.00	5.00	3311.27	
RW-3	08/13/08	3361.42	63.77	ND	50.86	ND	NA	NA	NA	3310.56	New sock
RW-3	08/18/08	3361.42	63.77	DNG	50.86	DNG	NA	NA	NA	3310.56	Sock
RW-3	08/27/08	3361.42	63.77	ND	50.32	ND	NA	NA	NA	3311.10	New sock
RW-3	09/02/08	3361.42	63.77	ND	50.37	ND	NA	NA	NA	3311.05	Sock
RW-3	09/09/08	3361.42	63.77	ND	50.36	ND	NA	NA	NA	3311.06	Sock
RW-3	09/16/08	3361.42	63.77	ND	50.22	ND	Pumped	0.00	10.00	3311.20	
RW-3	09/16/08	3361.42	63.77	ND	52.60	ND	NA	NA	NA	3308.82	Sock
RW-3	09/24/08	3361.42	63.77	ND	49.98	ND	Pumped	0.00	10.00	3311.44	
RW-3	09/24/08	3361.42	63.77	ND	51.92	ND	NA	NA	NA	3309.50	New sock
RW-3	10/01/08	3361.42	63.77	ND	49.72	ND	Pumped	0.00	10.00	3311.70	
RW-3	10/01/08	3361.42	63.77	ND	52.01	ND	NA	NA	NA	3309.41	Sock
RW-3	10/08/08	3361.42	63.77	50.49	50.51	0.02	Pumped	0.50	11.50	3310.93	
RW-3	10/08/08	3361.42	63.77	ND	52.25	ND	NA	NA	NA	3309.17	Sock
RW-3	10/15/08	3361.42	63.77	ND	50.14	ND	NA	NA	NA	3311.28	Sock
RW-3	10/22/08	3361.42	63.77	ND	50.09	ND	Pumped	0.00	20.00	3311.33	
RW-3	10/22/08	3361.42	63.77	ND	49.51	ND	NA	NA	NA	3311.91	
RW-3	10/29/08	3361.42	63.77	ND	50.14	ND	Pumped	0.00	10.00	3311.28	
RW-3	10/29/08	3361.42	63.77	ND	52.19	ND	NA	NA	NA	3309.23	
RW-3	11/05/08	3361.42	63.77	ND	50.06	ND	Pumped	0.00	21.00	3311.36	
RW-3	11/05/08	3361.42	63.77	ND	51.27	ND	NA	NA	NA	3310.15	
RW-3	11/12/08	3361.42	63.77	ND	49.97	ND	NA	NA	NA	3311.45	
RW-3	11/19/08	3361.42	63.77	ND	49.98	ND	Pumped	0.00	10.00	3311.44	
RW-3	11/19/08	3361.42	63.77	ND	52.16	ND	NA	NA	NA	3309.26	
RW-3	11/26/08	3361.42	63.77	49.92	50.09	0.17	Pumped	1.00	24.00	3311.47	
RW-3	11/26/08	3361.42	63.77	ND	50.06	ND	NA	NA	NA	3311.36	Sock
RW-3	12/03/08	3361.42	63.77	ND	50.13	ND	Pumped	0.00	25.00	3311.29	
RW-3	12/03/08	3361.42	63.77	ND	50.12	ND	NA	NA	NA	3311.30	
RW-3	12/10/08	3361.42	63.77	ND	50.14	ND	Pumped	0.00	30.00	3311.28	
RW-3	12/10/08	3361.42	63.77	ND	50.10	ND	NA	NA	NA	3311.32	Flipped Sock

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	12/17/08	3361.42	63.77	ND	50.13	ND		0.00	25.00	3311.29	New sock
RW-3	12/17/08	3361.42	63.77	ND	50.12	ND	NA	NA	NA	3311.30	
RW-3	12/21/08	3361.42	63.77	49.95	50.10	0.15		0.25	14.75	3311.45	No Sock
RW-3	12/21/08	3361.42	63.77	ND	52.74	ND	NA	NA	NA	3308.68	
RW-3	12/31/08	3361.42	63.77	49.98	50.20	0.22		0.25	20.75	3311.41	
RW-3	12/31/08	3361.42	63.77	ND	50.23	ND	NA	NA	NA	3311.19	
RW-3	01/07/09	3361.42	63.62	49.90	50.05	0.15	Hand Bailed	0.25	9.75	3311.50	
RW-3	01/07/09	3361.42	63.62	ND	50.34	ND	NA	NA	NA	3311.08	
RW-3	01/15/09	3361.42	63.62	49.97	50.25	0.28	Pumped	0.75	14.25	3311.41	
RW-3	01/15/09	3361.42	63.62	50.10	50.14	0.04	NA	NA	NA	3311.31	
RW-3	01/22/09	3361.42	63.62	49.87	50.16	0.29	Hand Bailed	1.00	14.00	3311.51	No Sock
RW-3	01/22/09	3361.42	63.62	ND	50.06	ND	NA	NA	NA	3311.36	
RW-3	01/28/09	3361.42	63.62	49.88	50.14	0.26	Pumped	0.25	9.75	3311.50	
RW-3	01/28/09	3361.42	63.62	ND	50.02	ND	NA	NA	NA	3311.40	
RW-3	02/04/09	3361.42	63.66	49.97	50.15	0.18	Pumped	0.50	14.50	3311.42	
RW-3	02/04/09	3361.42	63.66	ND	50.35	ND	NA	NA	NA	3311.07	
RW-3	02/11/09	3361.42	63.66	49.96	50.07	0.11	Pumped	0.25	19.75	3311.44	
RW-3	02/11/09	3361.42	63.66	ND	50.11	ND	NA	NA	NA	3311.31	
RW-3	02/17/09	3361.42	63.66	49.89	50.08	0.19	Pumped	0.50	34.50	3311.50	
RW-3	02/17/09	3361.42	63.66	49.94	49.96	0.02	NA	NA	NA	3311.48	
RW-3	02/25/09	3361.42	63.66	49.94	50.11	0.17	Pumped	0.50	19.50	3311.45	
RW-3	02/25/09	3361.42	63.66	50.05	50.06	0.01	NA	NA	NA	3311.37	
RW-3	03/04/09	3361.42	63.66	49.88	50.10	0.22	Pumped	1.00	19.00	3311.51	
RW-3	03/04/09	3361.42	63.66	ND	50.13	ND	NA	NA	NA	3311.29	
RW-3	03/11/09	3361.42	63.66	50.00	50.13	0.13	Pumped	0.25	19.75	3311.40	
RW-3	03/11/09	3361.42	63.66	ND	50.35	ND	NA	NA	NA	3311.07	
RW-3	03/18/09	3361.42	63.66	49.89	50.01	0.12	Pumped	0.10	9.90	3311.51	
RW-3	03/18/09	3361.42	63.66	ND	50.16	ND	NA	NA	NA	3311.26	
RW-3	03/25/09	3361.42	63.66	ND	49.89	ND	Pumped	0.00	22.00	3311.53	
RW-3	03/25/09	3361.42	63.66	ND	51.34	ND	NA	NA	NA	3310.08	
RW-3	04/01/09	3361.42	63.66	ND	49.99	ND	NA	NA	NA	3311.43	Flipped Sock
RW-3	04/08/09	3361.42	63.66	ND	50.05	ND	Pumped	0.00	15.00	3311.37	
RW-3	04/08/09	3361.42	63.66	ND	50.20	ND	NA	NA	NA	3311.22	
RW-3	04/15/09	3361.42	63.66	ND	50.04	ND	Pumped	0.00	10.00	3311.38	
RW-3	04/15/09	3361.42	63.66	ND	51.73	ND	NA	NA	NA	3309.69	
RW-3	04/22/09	3361.42	63.66	50.13	50.14	0.01	NA	NA	NA	3311.29	
RW-3	04/29/09	3361.42	63.66	ND	50.00	ND	Pumped	0.00	10.00	3311.42	
RW-3	04/29/09	3361.42	63.66	ND	50.17	ND	NA	NA	NA	3311.25	
RW-3	05/06/09	3361.42	63.66	ND	50.01	ND	Pumped	0.00	15.00	3311.41	
RW-3	05/06/09	3361.42	63.66	ND	51.38	ND	NA	NA	NA	3310.04	
RW-3	05/14/09	3361.42	63.66	ND	50.12	ND	NA	NA	NA	3311.30	
RW-3	05/14/09	3361.42	63.66	ND	51.16	ND	Pumped	0.00	15.00	3310.26	
RW-3	05/19/09	3361.42	63.66	ND	50.06	ND	Pumped	0.00	30.00	3311.36	
RW-3	05/27/09	3361.42	63.66	ND	50.07	ND	NA	NA	NA	3311.35	
RW-3	05/27/09	3361.42	63.66	ND	51.22	ND	Pumped	0.00	15.00	3310.20	
RW-3	06/03/09	3361.42	63.66	ND	50.73	ND	NA	NA	NA	3310.69	
RW-3	06/03/09	3361.42	63.66	ND	51.43	ND	Pumped	0.00	15.00	3309.99	
RW-3	06/11/09	3361.42	63.66	ND	50.22	ND	NA	NA	NA	3311.20	
RW-3	06/11/09	3361.42	63.66	ND	51.33	ND	Pumped	0.00	15.00	3310.09	
RW-3	06/17/09	3361.42	63.66	ND	50.25	ND	NA	NA	NA	3311.17	
RW-3	06/23/09	3361.42	63.66	ND	50.31	ND	NA	NA	NA	3311.11	
RW-3	07/01/09	3361.42	63.66	ND	50.19	ND	NA	NA	NA	3311.23	Flipped Sock
RW-3	07/07/09	3361.42	63.66	ND	50.19	ND	NA	NA	NA	3311.23	Flipped Sock
RW-3	07/07/09	3361.42	63.66	ND	50.13	ND	NA	NA	NA	3311.29	
RW-3	07/15/09	3361.42	63.66	50.13	50.15	0.02	NA	NA	NA	3311.29	New sock
RW-3	07/29/09	3361.42	63.66	ND	50.22	ND	NA	NA	NA	3311.20	Flipped Sock
RW-3	08/05/09	3361.42	63.66	ND	50.18	ND	NA	NA	NA	3311.24	New Sock
RW-3	08/12/09	3361.42	63.66	ND	50.15	ND	NA	NA	NA	3311.27	
RW-3	08/19/09	3361.42	63.66	50.13	50.15	0.02	Pumped	0.25	9.75	3311.29	Flipped
RW-3	08/19/09	3361.42	63.66	ND	52.50	ND	NA	NA	NA	3308.92	
RW-3	08/26/09	3361.42	63.66	50.29	50.33	0.04	NA	NA	NA	3311.12	
RW-3	09/02/09	3361.42	63.66	50.10	50.18	0.08	Pumped	0.25	9.75	3311.31	
RW-3	09/02/09	3361.42	63.66	ND	52.58	ND	NA	NA	NA	3308.84	
RW-3	09/09/09	3361.42	63.66	ND	50.21	ND	Pumped	0.10	9.90	3311.21	
RW-3	09/09/09	3361.42	63.66	ND	51.49	ND	NA	NA	NA	3309.93	
RW-3	09/16/09	3361.42	63.66	ND	50.28	ND	NA	NA	NA	3311.14	
RW-3	09/23/09	3361.42	63.66	50.15	50.20	0.05	Pumped	0.25	19.75	3311.26	
RW-3	09/23/09	3361.42	63.66	ND	51.73	ND	NA	NA	NA	3309.69	New Sock
RW-3	09/30/09	3361.42	63.66	ND	50.28	ND	NA	NA	NA	3311.14	
RW-3	10/07/09	3361.42	63.66	ND	50.34	ND	Pumped	0.00	10.00	3311.08	Flipped Sock
RW-3	10/07/09	3361.42	63.66	ND	51.02	ND	NA	NA	NA	3310.40	
RW-3	10/14/09	3361.42	63.66	ND	50.35	ND	Pumped	0.00	10.00	3311.07	New Sock
RW-3	10/14/09	3361.42	63.66	ND	52.16	ND	NA	NA	NA	3309.26	
RW-3	10/21/09	3361.42	63.66	ND	50.36	ND	NA	NA	NA	3311.06	
RW-3	10/28/09	3361.42	63.66	ND	50.69	ND	Pumped	0.00	20.00	3310.73	
RW-3	10/28/09	3361.42	63.66	ND	51.80	ND	NA	NA	NA	3309.62	
RW-3	11/04/09	3361.42	63.66	50.21	50.26	0.05	Pumped	0.10	9.90	3311.20	
RW-3	11/04/09	3361.42	63.66	ND	50.75	ND	NA	NA	NA	3310.67	
RW-3	11/11/09	3361.42	63.66	50.20	50.27	0.07	Pumped	0.10	9.90	3311.21	
RW-3	11/11/09	3361.42	63.66	ND	51.29	ND	NA	NA	NA	3310.13	
RW-3	11/18/09	3361.42	63.66	50.13	50.23	0.10	Pumped	0.10	19.90	3311.28	
RW-3	11/18/09	3361.42	63.66	ND	51.69	ND	NA	NA	NA	3309.73	
RW-3	11/25/09	3361.42	63.66	50.20	50.29	0.09	Pumped	0.10	9.90	3311.21	
RW-3	11/25/09	3361.42	63.66	ND	51.20	ND	NA	NA	NA	3310.22	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	12/02/09	3361.42	63.66	50.19	50.26	0.07	Pumped	0.10	9.90	3311.22	
RW-3	12/02/09	3361.42	63.66	ND	51.85	ND	NA	NA	NA	3309.57	
RW-3	12/09/09	3361.42	63.66	50.20	50.33	0.13	Pumped	0.10	9.90	3311.20	
RW-3	12/09/09	3361.42	63.66	ND	52.01	ND	NA	NA	NA	3309.41	
RW-3	12/16/09	3361.42	63.66	50.24	50.37	0.13	Pumped	0.10	9.90	3311.16	
RW-3	12/16/09	3361.42	63.66	ND	51.93	ND	NA	NA	NA	3309.49	
RW-3	12/23/09	3361.42	63.66	50.15	50.20	0.05	Pumped	0.10	14.90	3311.26	
RW-3	12/23/09	3361.42	63.66	ND	50.85	ND	NA	NA	NA	3310.57	
RW-3	12/30/09	3361.42	63.66	50.16	50.23	0.07	Pumped	0.10	9.90	3311.25	
RW-3	12/30/09	3361.42	63.66	ND	51.34	ND	NA	NA	NA	3310.08	
RW-3	01/06/10	3361.42	63.66	50.15	50.21	0.06	Pumped	0.10	9.90	3311.26	
RW-3	01/06/10	3361.42	63.66	ND	50.96	ND	NA	NA	NA	3310.46	
RW-3	01/13/10	3361.42	63.66	50.17	50.22	0.05	Pumped	0.10	9.90	3311.24	
RW-3	01/13/10	3361.42	63.66	ND	51.17	ND	NA	NA	NA	3310.25	
RW-3	01/20/10	3361.42	63.66	50.08	50.12	0.04	Pumped	0.10	19.90	3311.33	
RW-3	01/20/10	3361.42	63.66	ND	51.00	ND	NA	NA	NA	3310.42	
RW-3	01/27/10	3361.42	63.66	50.18	50.26	0.08	Pumped	0.10	9.90	3311.23	
RW-3	01/27/10	3361.42	63.66	ND	51.15	ND	NA	NA	NA	3310.27	
RW-3	02/11/10	3361.42	63.66	50.13	50.20	0.07	Pumped	0.10	9.90	3311.28	
RW-3	02/11/10	3361.42	63.66	ND	51.22	ND	NA	NA	NA	3310.20	
RW-3	02/17/10	3361.42	63.66	50.15	50.21	0.06	Pumped	0.10	9.90	3311.26	
RW-3	02/17/10	3361.42	63.66	ND	51.51	ND	NA	NA	NA	3309.91	
RW-3	03/10/10	3361.42	63.66	50.02	50.08	0.06	Pumped	0.10	9.90	3311.39	
RW-3	03/10/10	3361.42	63.66	ND	50.91	ND	NA	NA	NA	3310.51	
RW-3	03/17/10	3361.42	63.66	50.10	50.22	0.12	Pumped	0.10	14.90	3311.30	
RW-3	03/17/10	3361.42	63.66	ND	51.05	ND	NA	NA	NA	3310.37	
RW-3	03/24/10	3361.42	63.66	50.05	50.14	0.09	Pumped	0.10	9.90	3311.36	
RW-3	03/24/10	3361.42	63.66	ND	51.10	ND	NA	NA	NA	3310.32	
RW-3	03/31/10	3361.42	63.66	50.00	50.07	0.07	NA	NA	NA	3311.41	
RW-3	04/07/10	3361.42	63.66	50.06	50.15	0.09	Pumped	0.10	9.90	3311.35	
RW-3	04/07/10	3361.42	63.66	ND	53.80	ND	NA	NA	NA	3307.62	
RW-3	04/14/10	3361.42	63.66	50.02	50.06	0.04	NA	NA	NA	3311.39	
RW-3	04/21/10	3361.42	63.66	49.94	49.99	0.05	Pumped	0.10	9.90	3311.47	
RW-3	04/21/10	3361.42	63.66	ND	50.84	ND	NA	NA	NA	3310.58	
RW-3	04/28/10	3361.42	63.66	49.98	50.05	0.07	Pumped	0.10	9.90	3311.43	
RW-3	04/28/10	3361.42	63.66	ND	50.92	ND	NA	NA	NA	3310.50	
RW-3	04/28/10	3361.42	63.66	49.98	50.05	0.07	Pumped	0.10	9.90	3311.43	
RW-3	04/28/10	3361.42	63.66	ND	50.92	ND	NA	NA	NA	3310.50	
RW-3	05/05/10	3361.42	63.66	50.03	50.06	0.03	Hand Bailed	0.10	9.90	3311.39	
RW-3	05/05/10	3361.42	63.66	ND	50.51	ND	NA	NA	NA	3310.91	
RW-3	05/11/10	3361.42	63.66	49.96	50.10	0.14		0.10	26.90	3311.44	
RW-3	05/11/10	3361.42	63.66	ND	51.01	ND	NA	NA	NA	3310.41	
RW-3	05/19/10	3361.42	63.66	50.04	50.10	0.06	Pumped	0.10	26.90	3311.37	
RW-3	05/19/10	3361.42	63.66	ND	51.19	ND	NA	NA	NA	3310.23	
RW-3	05/29/10	3361.42	63.66	50.02	50.12	0.10	Pumped	0.10	9.90	3311.39	
RW-3	05/29/10	3361.42	63.66	ND	51.20	ND	NA	NA	NA	3310.22	
RW-3	06/02/10	3361.42	63.66	50.01	50.09	0.08	Pumped	0.10	9.90	3311.40	
RW-3	06/02/10	3361.42	63.66	ND	51.48	ND	NA	NA	NA	3309.94	
RW-3	06/12/10	3361.42	63.66	50.08	50.12	0.04	Pumped	0.10	9.90	3311.33	
RW-3	06/12/10	3361.42	63.66	ND	51.30	ND	NA	NA	NA	3310.12	
RW-3	06/15/10	3361.42	63.66	50.00	50.07	0.07	Pumped	0.10	9.90	3311.41	
RW-3	06/15/10	3361.42	63.66	ND	51.80	ND	NA	NA	NA	3309.62	
RW-3	06/25/10	3361.42	63.66	50.04	50.10	0.06	NA	NA	NA	3311.37	
RW-3	07/07/10	3361.42	63.66	50.06	50.12	0.06	NA	NA	NA	3311.35	
RW-3	07/14/10	3361.42	63.66	50.06	50.11	0.05	NA	NA	NA	3311.35	
RW-3	07/21/10	3361.42	63.66	50.07	50.13	0.06	Pumped	0.10	9.90	3311.34	
RW-3	07/21/10	3361.42	63.66	ND	51.14	ND	NA	NA	NA	3310.28	
RW-3	07/28/10	3361.42	63.66	ND	50.05	ND	NA	NA	NA	3311.37	
RW-3	08/03/10	3361.42	63.66	50.02	50.03	0.01	NA	NA	NA	3311.40	
RW-3	08/11/10	3361.42	63.66	50.03	50.10	0.07	NA	NA	NA	3311.38	
RW-3	08/18/10	3361.42	63.66	50.03	50.09	0.06	Pumped	0.10	9.90	3311.38	
RW-3	08/18/10	3361.42	63.66	ND	52.70	ND	NA	NA	NA	3308.72	
RW-3	08/25/10	3361.42	63.66	50.06	50.11	0.05	Pumped	0.10	9.90	3311.35	
RW-3	08/25/10	3361.42	63.66	ND	52.42	ND	NA	NA	NA	3309.00	
RW-3	09/01/10	3361.42	63.66	49.98	50.03	0.05	NA	NA	NA	3311.43	
RW-3	09/08/10	3361.42	63.66	50.05	50.10	0.05	NA	NA	NA	3311.36	
RW-3	09/15/10	3361.42	63.66	50.04	50.09	0.05	Pumped	0.10	4.90	3311.37	
RW-3	09/15/10	3361.42	63.66	ND	52.08	ND	NA	NA	NA	3309.34	
RW-3	09/21/10	3361.42	63.66	49.99	50.02	0.03	NA	NA	NA	3311.43	
RW-3	10/01/10	3361.42	63.66	50.09	50.12	0.03	NA	NA	NA	3311.33	
RW-3	10/06/10	3361.42	63.66	50.10	50.13	0.03	Pumped	0.10	9.90	3311.32	
RW-3	10/06/10	3361.42	63.66	ND	51.08	ND	NA	NA	NA	3310.34	
RW-3	10/13/10	3361.42	63.66	50.09	50.16	0.07	Pumped	0.10	9.90	3311.32	
RW-3	10/13/10	3361.42	63.66	ND	51.67	ND	NA	NA	NA	3309.75	
RW-3	10/22/10	3361.42	63.66	50.01	50.08	0.07	NA	NA	NA	3311.40	
RW-3	10/27/10	3361.42	63.66	49.98	50.06	0.08	NA	NA	NA	3311.43	
RW-3	11/03/10	3361.42	63.66	50.06	50.18	0.12	Pumped	0.10	9.90	3311.34	
RW-3	11/03/10	3361.42	63.66	51.23	51.24	0.01	NA	NA	NA	3310.19	
RW-3	11/10/10	3361.42	63.66	49.91	49.99	0.08	NA	NA	NA	3311.50	
RW-3	11/16/10	3361.42	63.66	50.01	50.08	0.07	Pumped	0.10	9.90	3311.40	
RW-3	11/16/10	3361.42	63.66	51.43	51.44	0.01	NA	NA	NA	3309.99	
RW-3	11/23/10	3361.42	63.66	49.93	50.03	0.10	Pumped	0.10	9.90	3311.48	
RW-3	11/23/10	3361.42	63.66	ND	51.70	ND	NA	NA	NA	3309.72	
RW-3	12/01/10	3361.42	63.66	49.89	49.90	0.01	NA	NA	NA	3311.53	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	12/08/10	3361.42	63.66	49.98	50.05	0.07	Pumped	0.10	9.90	3311.43	
RW-3	12/08/10	3361.42	63.66	ND	52.94	ND	NA	NA	NA	3308.48	
RW-3	12/15/10	3361.42	63.66	49.84	49.90	0.06	Pumped	0.10	9.90	3311.57	
RW-3	12/15/10	3361.42	63.66	ND	51.68	ND	NA	NA	NA	3309.74	
RW-3	12/21/10	3361.42	63.66	49.94	49.97	0.03	Pumped	0.10	9.90	3311.48	
RW-3	12/21/10	3361.42	63.66	ND	51.02	ND	NA	NA	NA	3310.40	
RW-3	12/28/10	3361.42	63.66	DNG	DNG	DNG	Pumped	0.10	9.90	DNG	
RW-3	01/08/11	3361.93	63.66	49.88	49.90	0.02	NA	N/A	N/A	3312.05	
RW-3	01/12/11	3361.93	63.66	49.97	50.03	0.06		0.10	9.90	3311.95	
RW-3	01/12/11	3361.93	63.66	ND	50.83	ND	NA	NA	NA	3311.10	
RW-3	01/19/11	3361.93	63.66	49.83	49.93	0.10		0.10	9.90	3312.09	
RW-3	01/19/11	3361.93	63.66	ND	50.89	ND	NA	NA	NA	3311.04	
RW-3	01/25/11	3361.93	63.66	49.91	49.98	0.07		0.20	9.80	3312.01	
RW-3	01/25/11	3361.93	63.66	ND	50.24	ND	NA	NA	NA	3311.69	
RW-3	02/04/11	3361.93	63.66	49.86	49.90	0.04	NA	NA	NA	3312.06	
RW-3	02/08/11	3361.93	63.66	49.80	49.84	0.04		0.10	9.90	3312.12	
RW-3	02/08/11	3361.93	63.66	ND	51.92	ND	NA	NA	NA	3310.01	
RW-3	02/16/11	3361.93	63.66	49.83	49.90	0.07		0.10	9.90	3312.09	
RW-3	02/16/11	3361.93	63.66	ND	50.40	ND	NA	NA	NA	3311.53	
RW-3	02/23/11	3361.93	63.66	49.85	49.89	0.04		0.10	9.90	3312.07	
RW-3	02/23/11	3361.93	63.66	ND	51.54	ND	NA	NA	NA	3310.39	
RW-3	03/02/11	3361.93	63.66	49.86	49.92	0.06		0.00	10.00	3312.06	
RW-3	03/02/11	3361.93	63.66	ND	51.00	ND	NA	NA	NA	3310.93	
RW-3	03/08/11	3361.93	63.66	49.83	49.85	0.02	Hand Bailed	0.10	4.90	3312.10	
RW-3	03/08/11	3361.93	63.66	ND	50.91	ND	NA	NA	NA	3311.02	
RW-3	03/16/11	3361.93	63.66	49.87	50.00	0.13		0.10	4.90	3312.04	
RW-3	03/16/11	3361.93	63.66	ND	51.02	ND	NA	NA	NA	3310.91	
RW-3	03/23/11	3361.93	63.66	49.90	50.02	0.12		0.10	4.90	3312.01	
RW-3	03/23/11	3361.93	63.66	ND	50.36	ND	NA	NA	NA	3311.57	
RW-3	03/30/11	3361.93	63.66	49.85	49.95	0.10		0.10	9.90	3312.07	
RW-3	03/30/11	3361.93	63.66	ND	50.33	ND	NA	NA	NA	3311.60	
RW-3	04/08/11	3361.93	63.66	49.82	49.88	0.06	NA	NA	NA	3312.10	recovery pump failed
RW-3	04/13/11	3361.93	63.66	49.79	49.84	0.05		0.10	4.90	3312.13	
RW-3	04/13/11	3361.93	63.66	ND	50.80	ND	NA	NA	NA	3311.13	
RW-3	04/20/11	3361.93	63.66	49.87	49.92	0.05	Hand Bailed	0.10	4.90	3312.05	
RW-3	04/20/11	3361.93	63.66	ND	50.52	ND	NA	NA	NA	3311.41	
RW-3	04/27/11	3361.93	63.66	49.93	49.95	0.02	Pumped	0.10	9.90	3312.00	
RW-3	04/27/11	3361.93	63.66	ND	51.93	ND	NA	NA	NA	3310.00	
RW-3	05/04/11	3361.93	63.66	49.83	49.95	0.12		0.10	9.90	3312.08	
RW-3	05/04/11	3361.93	63.66	ND	51.83	ND	NA	NA	NA	3310.10	
RW-3	05/11/11	3361.93	63.66	49.80	49.84	0.04		0.10	0.00	3312.12	
RW-3	05/11/11	3361.93	63.66	ND	51.25	ND	NA	NA	NA	3310.68	
RW-3	05/19/11	3361.93	63.66	49.80	49.84	0.04		0.10	0.00	3312.12	
RW-3	05/19/11	3361.93	63.66	ND	51.41	ND	NA	NA	NA	3310.52	
RW-3	05/24/11	3361.93	63.66	49.80	49.85	0.05		0.10	9.90	3312.12	
RW-3	05/24/11	3361.93	63.66	ND	51.44	ND	NA	NA	NA	3310.49	
RW-3	06/01/11	3361.93	63.66	50.00	50.05	0.05	NA	NA	NA	3311.92	Sampled
RW-3	06/08/11	3361.93	63.66	49.92	49.96	0.04		0.10	9.90	3312.00	
RW-3	06/08/11	3361.93	63.66	ND	50.76	ND	NA	NA	NA	3311.17	
RW-3	06/17/11	3361.93	63.66	49.85	49.95	0.10		0.00	10.00	3312.07	
RW-3	06/17/11	3361.93	63.66	ND	51.06	ND	NA	NA	NA	3310.87	
RW-3	06/21/11	3361.93	63.66	49.86	50.00	0.14		0.10	9.90	3312.05	
RW-3	06/21/11	3361.93	63.66	ND	51.67	ND	NA	NA	NA	3310.26	
RW-3	06/29/11	3361.93	63.66	50.00	50.10	0.10		0.10	9.90	3311.92	
RW-3	06/29/11	3361.93	63.66	ND	50.15	ND	NA	NA	NA	3311.78	
RW-3	07/06/11	3361.93	63.66	50.03	50.08	0.05		0.10	4.90	3311.89	
RW-3	07/06/11	3361.93	63.66	ND	50.42	ND	NA	NA	NA	3311.51	
RW-3	07/13/11	3361.93	63.66	50.02	50.09	0.07		0.10	4.90	3311.90	
RW-3	07/13/11	3361.93	63.66	ND	51.43	ND	NA	NA	NA	3310.50	
RW-3	07/20/11	3361.93	63.66	50.03	50.08	0.05		0.10	4.90	3311.89	
RW-3	07/20/11	3361.93	63.66	ND	50.52	ND	NA	NA	NA	3311.41	
RW-3	07/27/11	3361.93	63.66	50.00	50.08	0.08		0.10	9.90	3311.92	
RW-3	07/27/11	3361.93	63.66	ND	50.58	ND	NA	NA	NA	3311.35	
RW-3	08/03/11	3361.93	63.66	50.04	50.24	0.20		0.10	4.90	3311.86	
RW-3	08/03/11	3361.93	63.66	ND	50.88	ND	NA	NA	NA	3311.05	
RW-3	08/11/11	3361.93	63.66	50.06	50.21	0.15	Hand Bailed	0.10	4.90	3311.85	
RW-3	08/11/11	3361.93	63.66	ND	50.70	ND	NA	NA	NA	3311.23	
RW-3	08/16/11	3361.93	63.66	50.02	50.20	0.18		0.10	9.90	3311.88	
RW-3	08/16/11	3361.93	63.66	ND	51.03	ND	NA	NA	NA	3310.90	
RW-3	08/24/11	3361.93	63.66	50.08	50.26	0.18		0.20	9.80	3311.82	
RW-3	08/24/11	3361.93	63.66	ND	51.27	ND	NA	NA	NA	3310.66	
RW-3	08/30/11	3361.93	63.66	50.07	50.17	0.10		0.10	4.90	3311.85	
RW-3	08/30/11	3361.93	63.66	ND	50.83	ND	NA	NA	NA	3311.10	
RW-3	09/07/11	3361.93	63.66	50.12	50.25	0.13		0.10	4.90	3311.79	
RW-3	09/07/11	3361.93	63.66	ND	50.32	ND	NA	NA	NA	3311.61	
RW-3	09/14/11	3361.93	63.66	50.10	50.21	0.11		0.10	4.90	3311.81	
RW-3	09/14/11	3361.93	63.66	ND	50.79	ND	NA	NA	NA	3311.14	
RW-3	09/21/11	3361.93	63.66	50.12	50.30	0.18		0.10	4.90	3311.78	
RW-3	09/21/11	3361.93	63.66	ND	50.78	ND	NA	NA	NA	3311.15	
RW-3	09/28/11	3361.93	63.66	50.09	50.39	0.30		0.10	4.90	3311.80	
RW-3	09/28/11	3361.93	63.66	ND	50.35	ND	NA	NA	NA	3311.58	
RW-3	10/05/11	3361.93	63.66	50.08	50.38	0.30	Pumped	<.25	10.00	3311.81	Clear at 4 gal
RW-3	10/05/11	3361.93	63.66	ND	50.31	ND	NA	NA	NA	3311.62	
RW-3	10/12/11	3361.93	63.66	50.11	50.21	0.10		0.10	9.90	3311.81	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	10/12/11	3361.93	63.66	ND	50.96	ND	NA	NA	NA	3310.97	
RW-3	10/18/11	3361.93	63.66	50.20	50.28	0.08		0.10	9.90	3311.72	Clear at 3 gal
RW-3	10/18/11	3361.93	63.66	ND	51.43	ND	NA	NA	NA	3310.50	
RW-3	10/28/11	3361.93	63.66	50.19	50.30	0.11		0.10	9.90	3311.72	Clear at 2 gal
RW-3	10/28/11	3361.93	63.66	ND	52.24	ND	NA	NA	NA	3309.69	
RW-3	11/02/11	3361.93	63.66	50.13	50.23	0.10		0.10	4.90	3311.79	Clear at 3 gal
RW-3	11/02/11	3361.93	63.66	ND	51.83	ND	NA	NA	NA	3310.10	
RW-3	11/09/11	3361.93	63.66	50.21	50.34	0.13		0.10	9.90	3311.70	
RW-3	11/09/11	3361.93	63.66	ND	51.09	ND	NA	NA	NA	3310.84	
RW-3	11/18/11	3361.93	63.66	50.07	50.21	0.14		<.25	5.00	3311.84	
RW-3	11/18/11	3361.93	63.66	ND	50.56	ND	NA	NA	NA	3311.37	
RW-3	11/23/11	3361.93	63.66	50.16	50.33	0.17	NA	NA	NA	3311.74	
RW-3	11/28/11	3361.93	63.66	50.06	50.30	0.24	NA	NA	NA	3311.83	
RW-3	12/13/11	3361.93	63.66	50.08	50.43	0.35		0.10	4.90	3311.80	
RW-3	12/13/11	3361.93	63.66	ND	50.87	ND	NA	NA	NA	3311.06	
RW-3	12/20/11	3361.93	63.66	50.16	50.32	0.16		0.10	4.90	3311.75	
RW-3	12/20/11	3361.93	63.66	ND	50.74	ND	NA	NA	NA	3311.19	
RW-3	12/27/11	3361.93	63.66	50.18	50.22	0.04	NA	NA	NA	3311.74	
RW-3	01/04/12	3361.93	63.66	50.06	50.32	0.26	Hand Bailed	0.10	5.00	3311.83	
RW-3	01/04/12	3361.93	63.66	ND	50.80	ND	NA	NA	NA	3311.13	
RW-3	01/13/12	3361.93	63.66	50.12	50.20	0.08	NA	NA	NA	3311.80	
RW-3	01/18/12	3361.93	63.66	50.14	50.34	0.20	Pumped	0.10	9.90	3311.76	
RW-3	01/18/12	3361.93	63.66	ND	52.05	ND	NA	NA	NA	3309.88	
RW-3	01/27/12	3361.93	63.66	50.10	50.15	0.05	NA	NA	NA	3311.82	
RW-3	02/02/12	3361.93	63.66	50.09	50.20	0.11		0.10	14.90	3311.82	
RW-3	02/02/12	3361.93	63.66	ND	51.96	ND	NA	NA	NA	3309.97	
RW-3	02/08/12	3361.93	63.66	50.15	50.28	0.13		0.10	9.90	3311.76	
RW-3	02/08/12	3361.93	63.66	ND	51.51	ND	NA	NA	NA	3310.42	
RW-3	02/15/12	3361.93	63.66	50.11	50.16	0.05		0.10	4.90	3311.81	
RW-3	02/15/12	3361.93	63.66	ND	51.45	ND	NA	NA	NA	3310.48	
RW-3	02/22/12	3361.93	63.66	50.03	50.15	0.12	NA	NA	NA	3311.88	
RW-3	02/29/12	3361.93	63.66	50.11	50.33	0.22		0.10	4.90	3311.79	
RW-3	02/29/12	3361.93	63.66	ND	51.20	ND	NA	NA	NA	3310.73	
RW-3	03/06/12	3361.93	63.66	50.05	50.20	0.15		0.10	4.90	3311.86	
RW-3	03/06/12	3361.93	63.66	ND	51.87	ND	NA	NA	NA	3310.06	
RW-3	03/14/12	3361.93	63.66	56.08	56.32	0.24	NA	NA	NA	3305.81	
RW-3	03/21/12	3361.93	63.66	49.93	50.25	0.32		0.10	4.90	3311.95	
RW-3	03/21/12	3361.93	63.66	ND	51.03	ND	NA	NA	NA	3310.90	
RW-3	03/29/12	3361.93	63.66	49.96	50.42	0.46		0.50	10.00	3311.90	
RW-3	03/29/12	3361.93	63.66	ND	51.09	ND	NA	NA	NA	3310.84	
RW-3	04/03/12	3361.93	63.66	49.99	50.53	0.54		0.50	9.50	3311.86	
RW-3	04/03/12	3361.93	63.66	ND	51.66	ND	NA	NA	NA	3310.27	
RW-3	04/11/12	3361.93	63.66	49.90	50.29	0.39		0.10	9.90	3311.97	
RW-3	04/11/12	3361.93	63.66	ND	51.52	ND	NA	NA	NA	3310.41	
RW-3	04/20/12	3361.93	63.66	50.02	50.54	0.52		0.10	9.90	3311.83	
RW-3	04/20/12	3361.93	63.66	ND	50.10	ND	NA	NA	NA	3311.83	
RW-3	04/26/12	3361.93	63.66	49.98	50.40	0.42		1.00	4.00	3311.89	
RW-3	04/26/12	3361.93	63.66	ND	51.00	ND	NA	NA	NA	3310.93	
RW-3	05/02/12	3361.93	63.66	50.02	50.28	0.26		0.10	9.90	3311.87	
RW-3	05/02/12	3361.93	63.66	ND	50.80	ND	NA	NA	NA	3311.13	
RW-3	05/09/12	3361.93	63.66	50.06	50.18	0.12		0.10	9.90	3311.85	
RW-3	05/09/12	3361.93	63.66	ND	51.78	ND	NA	NA	NA	3310.15	
RW-3	05/22/12	3361.93	63.66	49.99	50.26	0.27	NA	NA	NA	3311.90	Sampled
RW-3	05/29/12	3361.93	63.66	49.99	50.20	0.21		0.10	9.90	3311.91	
RW-3	05/29/12	3361.93	63.66	ND	51.26	ND	NA	NA	NA	3310.67	
RW-3	06/06/12	3361.93	63.66	49.98	50.20	0.22		0.10	9.90	3311.92	
RW-3	06/06/12	3361.93	63.66	ND	52.00	ND	NA	NA	NA	3309.93	
RW-3	06/13/12	3361.93	63.66	49.95	50.22	0.27		0.10	9.90	3311.94	
RW-3	06/13/12	3361.93	63.66	ND	51.63	ND	NA	NA	NA	3310.30	
RW-3	06/19/12	3361.93	63.66	49.92	50.27	0.35		0.10	9.90	3311.96	
RW-3	06/19/12	3361.93	63.66	ND	50.30	ND	NA	NA	NA	3311.63	
RW-3	07/05/12	3361.93	63.66	ND	50.05	50.18	NA	0.10	10.00	3311.88	
RW-3	07/05/12	3361.93	63.66	ND	51.63	ND	NA	NA	NA	3310.30	
RW-3	07/11/12	3361.93	63.66	50.05	50.12	0.07	NA	0.10	10.00	3311.87	
RW-3	07/11/12	3361.93	63.66	ND	50.82	ND	NA	NA	NA	3311.11	
RW-3	07/18/12	3361.93	63.66	50.09	50.20	0.11	NA	NA	10.00	3311.82	
RW-3	07/18/12	3361.93	63.66	ND	51.30	ND	NA	NA	NA	3310.63	
RW-3	07/25/12	3361.93	63.66	50.07	50.20	0.13	NA	0.125	10.00	3311.84	
RW-3	07/25/12	3361.93	63.66	ND	50.93	ND	NA	NA	NA	3311.00	
RW-3	07/31/12	3361.93	63.66	50.08	50.22	0.14	NA	0.10	10.00	3311.83	
RW-3	07/31/12	3361.93	63.66	ND	50.50	ND	NA	NA	NA	3311.43	
RW-3	08/08/12	3361.93	63.66	50.10	50.31	0.21	NA	NA	NA	3311.80	
RW-3	08/13/12	3361.93	63.66	50.07	50.25	0.18	NA	0.10	10.00	3311.83	
RW-3	08/13/12	3361.93	63.66	ND	50.91	ND	NA	NA	NA	3311.02	
RW-3	09/05/12	3361.93	63.66	50.16	50.30	0.14	NA	0.10	10.00	3311.75	
RW-3	09/11/12	3361.93	63.66	50.04	50.45	0.41	NA	0.10	10.00	3311.83	
RW-3	09/19/12	3361.93	63.66	50.13	50.58	0.45	NA	0.10	10.00	3311.73	
RW-3	09/19/12	3361.93	63.66	ND	51.81	ND	NA	0.10	10.00	3310.12	
RW-3	09/25/12	3361.93	63.66	50.12	50.33	0.21	NA	0.10	10.00	3311.78	
RW-3	09/25/12	3361.93	63.66	ND	51.76	ND	NA	NA	NA	3310.17	
RW-3	10/03/12	3361.93	63.66	50.18	50.44	0.26	NA	0.10	10.00	3311.71	
RW-3	10/03/12	3361.93	63.66	ND	51.32	ND	NA	NA	NA	3310.61	
RW-3	10/24/12	3361.93	63.66	50.12	50.40	0.28	NA	0.10	10.00	3311.77	
RW-3	10/24/12	3361.93	63.66	ND	52.21	ND	NA	NA	NA	3309.72	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	10/30/12	3361.93	63.66	50.17	50.35	0.18	NA	0.10	10.00	3311.73	
RW-3	10/30/12	3361.93	63.66	ND	52.28	ND	NA	NA	NA	3309.65	
RW-3	11/06/12	3361.93	63.66	50.19	50.29	0.10	NA	0.10	10.00	3311.73	
RW-3	11/06/12	3361.93	63.66	ND	52.28	ND	NA	NA	NA	3309.65	
RW-3	11/13/12	3361.93	63.66	50.21	50.39	0.18	NA	0.10	10.00	3311.69	
RW-3	11/13/12	3361.93	63.66	ND	51.88	ND	NA	NA	NA	3310.05	
RW-3	11/26/12	3361.93	63.66	50.18	50.53	0.35	NA	NA	NA	3311.70	
RW-3	12/05/12	3361.93	63.66	50.16	50.64	0.48	NA	NA	NA	3311.70	
RW-3	12/11/12	3361.93	63.66	50.18	50.40	0.22	NA	NA	NA	3311.72	
RW-3	01/03/13	3361.93	63.66	50.12	50.64	0.52	NA	NA	NA	3311.73	
RW-3	01/16/13	3361.93	63.66	50.18	50.86	0.68	NA	0.50	9.50	3311.65	
RW-3	01/16/13	3361.93	63.66	ND	52.42	ND	NA	NA	NA	3309.51	
RW-3	01/23/13	3361.93	63.66	50.20	50.45	0.25	NA	0.10	10.00	3311.69	
RW-3	01/23/13	3361.93	63.66	ND	51.07	ND	NA	NA	NA	3310.86	
RW-3	01/30/13	3361.93	63.66	50.23	50.62	0.39	NA	0.10	10.00	3311.64	
RW-3	01/30/13	3361.93	63.66	ND	51.52	ND	NA	NA	NA	3310.41	
RW-3	02/07/13	3361.93	63.66	50.20	50.40	0.20	NA	0.10	10.00	3311.70	
RW-3	02/07/13	3361.93	63.66	ND	50.55	ND	NA	NA	NA	3311.38	
RW-3	02/13/13	3361.93	63.66	50.23	50.51	0.28	NA	0.10	10.00	3311.66	
RW-3	02/13/13	3361.93	63.66	ND	52.02	ND	NA	NA	NA	3309.91	
RW-3	02/27/13	3361.93	63.66	50.23	50.43	0.20	NA	NA	NA	3311.67	
RW-3	03/21/13	3361.93	63.66	50.10	50.35	0.25	NA	NA	NA	3311.79	
RW-3	03/29/13	3361.93	63.66	50.16	50.41	0.25	NA	0.10	10.00	3311.73	
RW-3	03/29/13	3361.93	63.66	ND	50.84	ND	NA	NA	NA	3311.09	
RW-3	04/03/13	3361.93	63.66	50.15	50.50	0.35	NA	0.10	10.00	3311.73	
RW-3	04/03/13	3361.93	63.66	ND	51.92	ND	NA	NA	NA	3310.01	
RW-3	04/09/13	3361.93	63.66	50.14	50.66	0.52	NA	0.10	10.00	3311.71	
RW-3	04/09/13	3361.93	63.66	ND	51.88	ND	NA	NA	NA	3310.05	
RW-3	05/01/13	3361.93	63.66	50.14	50.65	0.51	NA	0.50	9.50	3311.71	
RW-3	05/01/13	3361.93	63.66	ND	51.30	ND	NA	NA	NA	3310.63	
RW-3	05/15/13	3361.93	63.66	50.20	50.40	0.20	NA	0.10	10.00	3311.70	
RW-3	05/15/13	3361.93	63.66	ND	51.48	ND	NA	NA	NA	3310.45	
RW-3	05/21/13	3361.93	63.66	50.23	50.57	0.34	NA	0.10	10.00	3311.65	
RW-3	05/21/13	3361.93	63.66	ND	51.19	ND	NA	NA	NA	3310.74	
RW-3	06/05/13	3361.93	63.66	50.18	50.56	0.38	NA	0.50	9.50	3311.69	
RW-3	06/05/13	3361.93	63.66	ND	51.74	ND	NA	NA	NA	3310.19	
RW-3	06/11/13	3361.93	63.66	50.29	50.51	0.22	NA	NA	NA	3311.61	
RW-3	06/17/13	3361.93	63.66	50.32	50.46	0.14	NA	0.10	10.00	3311.59	
RW-3	06/26/13	3361.93	63.66	50.28	50.45	0.17	NA	0.25	9.75	3311.62	
RW-3	06/26/13	3361.93	63.66	ND	51.16	ND	NA	NA	NA	3310.77	
RW-3	07/03/13	3361.93	63.66	50.28	50.48	0.20	NA	0.25	9.75	3311.62	
RW-3	07/10/13	3361.93	63.66	50.30	50.52	0.22	NA	0.25	9.75	3311.60	
RW-3	07/23/13	3361.93	63.66	50.30	50.66	0.36	NA	0.25	9.75	3311.58	
RW-3	07/30/13	3361.93	63.66	50.17	50.25	0.08	NA	0.25	9.25	3311.75	
RW-3	08/07/13	3361.93	63.66	50.07	50.29	0.22	NA	0.25	9.75	3311.83	
RW-3	08/14/13	3361.93	63.66	50.39	50.51	0.12	NA	NA	NA	3311.52	
RW-3	08/21/13	3361.93	63.66	50.36	50.50	0.14	NA	0.10	10.00	3311.55	
RW-3	08/28/13	3361.93	63.66	50.41	50.55	0.14	NA	0.25	9.75	3311.50	
RW-3	09/06/13	3361.93	63.66	50.44	50.48	0.04	NA	0.25	9.50	3311.48	
RW-3	09/10/13	3361.93	63.66	50.46	50.51	0.05	NA	NA	NA	3311.46	
RW-3	09/21/13	3361.93	63.66	50.40	50.48	0.08	NA	NA	NA	3311.52	
RW-3	09/28/13	3361.93	63.66	50.52	50.55	0.03	NA	NA	NA	3311.41	
RW-3	10/02/13	3361.93	63.66	50.44	50.50	0.06	NA	0.50	9.50	3311.48	
RW-3	10/11/13	3361.93	63.66	50.48	50.52	0.04	NA	NA	NA	3311.44	
RW-3	10/16/13	3361.93	63.66	50.45	50.47	0.02	NA	NA	NA	3311.48	
RW-3	10/30/13	3361.93	63.66	50.42	50.45	0.03	NA	NA	NA	3311.51	
RW-3	11/06/13	3361.93	63.66	50.48	50.52	0.04	NA	NA	NA	3311.44	
RW-3	11/20/13	3361.93	63.66	50.48	50.55	0.07	NA	NA	NA	3311.44	
RW-3	11/27/13	3361.93	63.66	50.51	50.56	0.05	NA	NA	NA	3311.41	
RW-3	12/17/13	3361.93	63.66	50.48	50.60	0.12	NA	0.25	4.75	3311.43	
RW-3	01/02/14	3361.93	63.66	50.50	50.72	0.22	NA	NA	NA	3311.40	
RW-3	01/09/14	3361.93	63.66	50.41	50.61	0.20	NA	0.50	9.50	3311.49	
RW-3	01/15/14	3361.93	63.66	50.47	50.52	0.05	NA	NA	NA	3311.45	
RW-3	01/22/14	3361.93	63.66	50.42	50.52	0.10	NA	NA	NA	3311.50	
RW-3	01/30/14	3361.93	63.66	50.38	50.48	0.10	NA	NA	NA	3311.54	
RW-3	02/05/14	3361.93	63.66	50.51	50.68	0.17	NA	0.50	9.50	3311.39	
RW-3	02/13/14	3361.93	63.66	50.41	50.50	0.09	NA	0.25	9.75	3311.51	
RW-3	02/20/14	3361.93	63.66	50.49	50.60	0.11	NA	0.25	9.75	3311.42	
RW-3	02/26/14	3361.93	63.66	50.45	50.58	0.13	NA	NA	NA	3311.46	
RW-3	03/05/14	3361.93	63.66	50.47	50.65	0.18	NA	NA	NA	3311.43	
RW-3	03/18/14	3361.93	63.66	50.37	50.59	0.22	NA	0.50	9.00	3311.53	
RW-3	04/02/14	3361.93	63.66	50.43	50.65	0.22	NA	NA	NA	3311.47	
RW-3	04/09/14	3361.93	63.66	50.38	50.78	0.40	NA	0.50	9.50	3311.49	
RW-3	04/15/14	3361.93	63.66	50.43	50.52	0.09	NA	NA	NA	3311.49	
RW-3	04/23/14	3361.93	63.66	50.46	50.56	0.10	NA	NA	NA	3311.46	
RW-3	05/04/14	3361.93	63.66	50.38	50.52	0.14	NA	NA	NA	3311.53	
RW-3	05/04/14	3361.93	63.66	50.40	50.55	0.15	NA	NA	NA	3311.51	
RW-3	05/16/14	3361.93	63.66	50.40	50.62	0.22	NA	NA	NA	3311.50	
RW-3	05/20/14	3361.93	63.66	50.40	50.60	0.20	NA	NA	NA	3311.50	
RW-3	06/03/14	3361.93	63.66	50.45	50.75	0.30	NA	NA	NA	3311.44	
RW-3	06/19/14	3361.93	63.66	50.48	50.65	0.17	NA	NA	NA	3311.42	
RW-3	06/25/14	3361.93	63.66	50.50	50.64	0.14	NA	NA	NA	3311.41	
RW-3	07/09/14	3361.93	63.66	50.50	50.78	0.28	NA	0.25	9.75	3311.39	
RW-3	07/16/14	3361.93	63.66	50.53	50.60	0.07	NA	NA	NA	3311.39	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	07/23/14	3361.93	63.66	50.54	50.60	0.06	NA	NA	NA	3311.38	
RW-3	07/29/14	3361.93	63.66	50.58	50.62	0.04	NA	NA	NA	3311.34	
RW-3	08/12/14	3361.93	63.66	50.60	50.76	0.16	NA	sheen	5.00	3311.31	
RW-3	08/21/14	3361.93	63.66	50.58	50.62	0.04	NA	NA	NA	3311.34	
RW-3	08/27/14	3361.93	63.66	50.59	50.78	0.19	NA	sheen	5.00	3311.31	
RW-3	09/03/14	3361.93	63.66	50.62	50.64	0.02	NA	NA	NA	3311.31	
RW-3	09/09/14	3361.93	63.66	50.58	50.60	0.02	NA	NA	NA	3311.35	
RW-3	09/17/14	3361.93	63.80	50.62	50.72	0.10	NA	sheen	10.00	3311.30	
RW-3	09/29/14	3361.93	63.80	50.60	50.74	0.14	NA	NA	NA	3311.31	
RW-3	10/15/14	3361.93	63.80	50.65	50.72	0.07	NA	NA	NA	3311.27	
RW-3	10/29/14	3361.93	63.80	50.65	50.69	0.04	NA	NA	NA	3311.27	
RW-3	11/04/14	3361.93	63.80	50.62	50.67	0.05	NA	NA	NA	3311.30	
RW-3	11/12/14	3361.93	63.80	50.68	50.70	0.02	NA	NA	NA	3311.25	
RW-3	11/18/14	3361.93	63.80	50.65	50.67	0.02	NA	NA	NA	3311.28	
RW-3	11/25/14	3361.93	63.80	50.61	50.63	0.02	NA	NA	NA	3311.32	
RW-3	12/17/14	3361.93	63.80	50.52	50.54	0.02	NA	NA	NA	3311.41	
RW-3	12/22/14	3361.93	63.80	50.53	50.60	0.07	NA	NA	NA	3311.39	
RW-3	12/29/14	3361.93	63.80	50.56	50.61	0.05	NA	0.25	4.75	3311.36	
RW-3	01/08/15	3361.93	63.80	50.55	50.56	0.01	NA	NA	NA	3311.38	
RW-3	01/14/15	3361.93	63.80	50.60	50.62	0.02	NA	NA	NA	3311.33	
RW-3	01/21/15	3361.93	63.80	50.60	50.62	0.02	NA	NA	NA	3311.33	
RW-3	01/28/15	3361.93	63.80	50.60	50.66	0.06	NA	NA	NA	3311.32	
RW-3	02/06/15	3361.93	63.80	50.62	50.66	0.04	NA	NA	NA	3311.30	
RW-3	02/10/15	3361.93	63.80	50.63	50.67	0.04	NA	NA	NA	3311.29	
RW-3	02/17/15	3361.93	63.80	50.60	50.69	0.09	NA	NA	NA	3311.32	
RW-3	02/25/15	3361.93	63.80	50.56	50.65	0.09	NA	NA	NA	3311.36	
RW-3	03/05/15	3361.93	63.80	50.73	50.85	0.12	NA	NA	NA	3311.18	
RW-3	03/11/15	3361.93	63.80	50.66	50.78	0.12	NA	NA	NA	3311.25	
RW-3	03/23/15	3361.93	63.80	50.58	50.65	0.07	NA	NA	NA	3311.34	
RW-3	03/31/15	3361.93	63.80	50.58	50.78	0.20	NA	0.25	9.75	3311.32	
RW-3	04/07/15	3361.93	63.80	50.61	50.65	0.04	NA	NA	NA	3311.31	
RW-3	04/15/15	3361.93	63.80	50.51	50.56	0.05	NA	NA	NA	3311.41	
RW-3	04/21/15	3361.93	63.80	50.59	50.65	0.06	NA	NA	NA	3311.33	
RW-3	04/29/15	3361.93	63.80	50.62	50.72	0.10	NA	0.25	9.75	3311.30	
RW-3	05/06/15	3361.93	63.80	50.61	50.65	0.04	NA	NA	NA	3311.31	
RW-3	05/27/15	3361.93	63.80	50.65	50.69	0.04	NA	NA	NA	3311.27	
RW-3	06/04/15	3361.93	63.80	50.61	50.70	0.09	NA	NA	NA	3311.31	
RW-3	06/09/15	3361.93	63.80	50.64	50.74	0.10	NA	0.25	9.75	3311.28	
RW-3	06/16/15	3361.93	63.80	50.66	50.71	0.05	NA	NA	NA	3311.26	Sampled
RW-3	07/01/15	3361.93	63.80	50.62	50.64	0.02	NA	NA	NA	3311.31	
RW-3	07/08/15	3361.93	63.80	50.67	50.70	0.03	NA	NA	NA	3311.26	
RW-3	07/14/15	3361.93	63.80	50.65	50.68	0.03	NA	NA	NA	3311.28	
RW-3	07/21/15	3361.93	63.80	50.67	50.70	0.03	NA	NA	NA	3311.26	
RW-3	07/28/15	3361.93	63.80	ND	ng	ND	NA	NA	10.00	ng	interface
RW-3	08/05/15	3361.93	63.80	50.70	50.74	0.04	NA	NA	NA	3311.22	
RW-3	08/12/15	3361.93	63.80	50.74	50.83	0.09	NA	NA	NA	3311.18	
RW-3	08/20/15	3361.93	63.80	50.71	50.82	0.11	NA	NA	NA	3311.20	
RW-3	08/26/15	3361.93	63.80	50.74	50.83	0.09	NA	NA	NA	3311.18	
RW-3	09/01/15	3361.93	63.80	49.74	49.84	0.10	NA	0.25	9.75	3312.18	
RW-3	09/10/15	3361.93	63.80	50.77	50.83	0.06	NA	NA	NA	3311.15	
RW-3	09/16/15	3361.93	63.80	50.76	50.80	0.04	NA	NA	NA	3311.16	
RW-3	09/28/15	3361.93	63.80	50.74	50.80	0.06	NA	NA	NA	3311.18	
RW-3	10/06/15	3361.93	63.80	50.78	50.86	0.08	NA	0.25	9.75	3311.14	
RW-3	10/13/15	3361.93	63.80	50.80	50.81	0.01	NA	NA	NA	3311.13	
RW-3	10/20/15	3361.93	63.80	ND	ng	ND	NA	0.25	9.75	ng	
RW-3	10/28/15	3361.93	63.80	50.82	50.88	0.06	NA	0.25	9.75	3311.10	
RW-3	11/03/15	3361.93	63.80	50.77	50.79	0.02	NA	0.25	9.75	3311.16	
RW-3	11/12/15	3361.93	63.80	50.80	50.81	0.01	NA	NA	NA	3311.13	
RW-3	11/17/15	3361.93	63.80	50.71	50.77	0.06	NA	NA	NA	3311.21	
RW-3	11/24/15	3361.93	63.80	50.75	50.79	0.04	NA	NA	NA	3311.17	
RW-3	12/09/15	3361.93	63.80	50.73	50.75	0.02	NA	NA	NA	3311.20	
RW-3	12/15/15	3361.93	63.80	50.70	50.73	0.03	NA	NA	NA	3311.23	
RW-3	12/31/15	3361.93	63.80	50.75	50.78	0.03	NA	NA	NA	3311.18	
RW-3	01/05/16	3361.93	63.80	50.68	50.73	0.05	NA	NA	NA	3311.24	
RW-3	01/19/16	3361.93	63.80	50.68	50.72	0.04	NA	NA	NA	3311.24	
RW-3	01/26/16	3361.93	63.80	50.74	50.78	0.04	NA	NA	NA	3311.18	
RW-3	02/02/16	3361.93	63.80	50.52	50.66	0.14	NA	NA	NA	3311.39	
RW-3	02/09/16	3361.93	63.80	50.68	50.72	0.04	NA	NA	NA	3311.24	
RW-3	02/17/16	3361.93	63.80	50.65	50.73	0.08	NA	NA	NA	3311.27	
RW-3	02/24/16	3361.93	63.80	50.68	50.78	0.10	NA	NA	NA	3311.24	
RW-3	03/01/16	3361.93	63.80	50.65	56.69	6.04	NA	NA	NA	3310.37	
RW-3	03/08/16	3361.93	63.80	50.55	50.63	0.08	NA	NA	NA	3311.37	
RW-3	03/15/16	3361.93	63.80	50.60	50.63	0.03	NA	NA	NA	3311.33	
RW-3	03/22/16	3361.93	63.80	50.55	50.62	0.07	NA	NA	NA	3311.37	
RW-3	03/29/16	3361.93	63.80	50.56	50.60	0.04	NA	0.25	9.75	3311.36	
RW-3	04/05/16	3361.93	63.80	50.58	50.61	0.03	NA	NA	NA	3311.35	
RW-3	04/12/16	3361.93	63.80	50.59	50.62	0.03	NA	NA	NA	3311.34	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	04/19/16	3361.93	63.80	50.57	50.64	0.07	NA	NA	NA	3311.35	
RW-3	04/27/16	3361.93	63.80	50.53	50.59	0.06	NA	NA	NA	3311.39	
RW-3	05/05/16	3361.93	63.80	50.52	50.62	0.10	NA	sheen	5.00	3311.40	
RW-3	05/12/16	3361.93	63.80	50.57	50.58	0.01	NA	NA	NA	3311.36	
RW-3	05/17/16	3361.93	63.80	50.31	50.58	0.27	NA	0.25	9.75	3311.58	Sampled
RW-3	05/26/16	3361.93	63.80	50.45	50.46	0.01	NA	NA	NA	3311.48	
RW-3	06/02/16	3361.93	63.80	50.49	50.56	0.07	NA	NA	NA	3311.43	
RW-3	06/10/16	3361.93	63.80	50.46	50.58	0.12	NA	NA	NA	3311.45	
RW-3	06/23/16	3361.93	63.80	50.45	50.55	0.10	NA	NA	NA	3311.47	
RW-3	06/27/16	3361.93	63.80	50.48	50.70	0.22	NA	NA	NA	3311.42	
RW-3	07/06/16	3361.93	63.80	50.43	50.60	0.17	NA	NA	NA	3311.47	
RW-3	07/15/16	3361.93	63.80	50.48	50.70	0.22	NA	NA	NA	3311.42	
RW-3	07/21/16	3361.93	63.80	50.47	50.73	0.26	NA	NA	NA	3311.42	
RW-3	07/26/16	3361.93	63.80	50.48	50.78	0.30	NA	0.25	9.75	3311.41	
RW-3	08/02/16	3361.93	63.80	50.52	50.61	0.09	NA	0.25	9.75	3311.40	
RW-3	08/08/16	3361.93	63.80	50.48	50.53	0.05	NA	0.25	9.75	3311.44	
RW-3	08/16/16	3361.93	63.80	50.51	50.56	0.05	NA	sheen	15.00	3311.41	
RW-3	08/23/16	3361.93	63.80	50.56	50.60	0.04	NA	sheen	10.00	3311.36	
RW-3	08/31/16	3361.93	63.80	50.55	50.61	0.06	NA	NA	NA	3311.37	
RW-3	09/07/16	3361.93	63.80	50.54	50.72	0.18	NA	0.25	9.75	3311.36	
RW-3	09/19/16	3361.93	63.80	50.54	50.56	0.02	NA	NA	NA	3311.39	
RW-3	09/27/16	3361.93	63.80	50.50	50.55	0.05	NA	0.25	9.75	3311.42	
RW-3	10/04/16	3361.93	63.80	50.42	50.46	0.04	NA	0.25	9.75	3311.50	
RW-3	10/11/16	3361.93	63.80	50.46	50.51	0.05	NA	sheen	10.00	3311.46	
RW-3	10/18/16	3361.93	63.80	50.47	50.50	0.03	NA	sheen	10.00	3311.46	
RW-3	11/02/16	3361.93	63.80	50.42	50.50	0.08	NA	sheen	10.00	3311.50	
RW-3	11/08/16	3361.93	63.80	50.44	50.51	0.07	NA	0.25	9.75	3311.48	
RW-3	11/15/16	3361.93	63.80	50.39	50.44	0.05	NA	0.25	9.75	3311.53	
RW-3	11/22/16	3361.93	63.80	50.41	50.42	0.01	NA	0.25	9.75	3311.52	
RW-3	11/30/16	3361.93	63.80	50.47	50.59	0.12	NA	sheen	10.00	3311.44	
RW-3	12/07/16	3361.93	63.80	50.43	50.48	0.05	NA	sheen	10.00	3311.49	
RW-3	12/14/16	3361.93	63.80	50.39	50.43	0.04	NA	NA	NA	3311.53	
RW-3	12/22/16	3361.93	63.80	50.40	50.44	0.04	NA	sheen	10.00	3311.52	
RW-3	12/28/16	3361.93	63.80	50.38	50.44	0.06	NA	NA	NA	3311.54	
RW-3	01/04/17	3361.93	63.80	50.34	50.48	0.14	NA	sheen	10.00	3311.57	
RW-3	01/10/17	3361.93	63.80	50.36	50.41	0.05	NA	sheen	10.00	3311.56	
RW-3	01/17/17	3361.93	63.80	50.37	50.45	0.08	NA	sheen	10.00	3311.55	
RW-3	01/24/17	3361.93	63.80	50.33	50.48	0.15	NA	sheen	10.00	3311.58	
RW-3	01/31/17	3361.93	63.80	50.32	50.43	0.11	NA	sheen	10.00	3311.59	
RW-3	02/07/17	3361.93	63.80	50.33	50.39	0.06	NA	sheen	10.00	3311.59	
RW-3	02/14/17	3361.93	63.80	50.32	50.40	0.08	NA	sheen	10.00	3311.60	
RW-3	02/22/17	3361.93	63.80	50.25	50.38	0.13	NA	sheen	10.00	3311.66	
RW-3	03/07/17	3361.93	63.80	50.36	50.44	0.08	NA	sheen	10.00	3311.56	
RW-3	03/14/17	3361.93	63.80	50.29	50.40	0.11	NA	sheen	10.00	3311.62	
RW-3	03/21/17	3361.93	63.80	50.24	50.46	0.22	NA	sheen	10.00	3311.66	
RW-3	03/28/17	3361.93	63.80	50.21	50.30	0.09	NA	sheen	10.00	3311.71	
RW-3	04/04/17	3361.93	63.80	50.26	50.33	0.07	NA	sheen	10.00	3311.66	
RW-3	04/11/17	3361.93	63.80	50.33	50.48	0.15	NA	sheen	10.00	3311.58	
RW-3	04/18/17	3361.93	63.80	50.27	50.44	0.17	NA	sheen	10.00	3311.63	
RW-3	04/25/17	3361.93	63.80	50.30	50.40	0.10	NA	sheen	10.00	3311.62	
RW-3	05/02/17	3361.93	63.80	50.28	50.43	0.15	NA	sheen	10.00	3311.63	
RW-3	05/08/17	3361.93	63.80	50.23	50.35	0.12	NA	NA	NA	3311.68	
RW-3	05/25/17	3361.93	63.80	50.30	50.39	0.09	NA	sheen	10.00	3311.62	
RW-3	06/01/17	3361.93	63.80	50.25	50.38	0.13	NA	sheen	10.00	3311.66	
RW-3	06/05/17	3361.93	63.80	50.22	50.33	0.11	NA	sheen	10.00	3311.69	
RW-3	06/13/17	3361.93	63.80	50.25	50.43	0.18	NA	sheen	10.00	3311.65	
RW-3	06/20/17	3361.93	63.80	50.28	50.38	0.10	NA	sheen	10.00	3311.64	
RW-3	06/27/17	3361.93	63.80	50.26	50.40	0.14	NA	sheen	10.00	3311.65	
RW-3	07/06/17	3361.93	63.80	50.32	50.45	0.13	NA	sheen	10.00	3311.59	
RW-3	07/11/17	3361.93	63.80	50.29	50.38	0.09	NA	sheen	10.00	3311.63	
RW-3	07/18/17	3361.93	63.80	50.33	50.41	0.08	NA	sheen	10.00	3311.59	
RW-3	07/25/17	3361.93	63.80	50.30	50.39	0.09	NA	sheen	10.00	3311.62	
RW-3	08/01/17	3361.93	63.80	50.34	50.40	0.06	NA	sheen	10.00	3311.58	
RW-3	08/08/17	3361.93	63.80	50.30	50.38	0.08	NA	sheen	10.00	3311.62	
RW-3	08/15/17	3361.93	63.80	50.32	50.40	0.08	NA	sheen	10.00	3311.60	
RW-3	08/22/17	3361.93	63.80	50.33	50.48	0.15	NA	sheen	10.00	3311.58	
RW-3	08/30/17	3361.93	63.80	50.35	50.46	0.11	NA	sheen	10.00	3311.56	
RW-3	09/07/17	3361.93	63.80	50.36	50.46	0.10	NA	sheen	10.00	3311.56	
RW-3	09/14/17	3361.93	63.80	50.30	50.57	0.27	NA	NA	NA	3311.59	
RW-3	09/27/17	3361.93	63.80	50.24	50.48	0.24	NA	0.25	9.75	3311.65	

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Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-3	10/04/17	3361.93	63.80	50.26	50.40	0.14	NA	sheen	10.00	3311.65	
RW-3	10/12/17	3361.93	63.80	50.28	50.40	0.12	NA	sheen	10.00	3311.63	
RW-3	10/18/17	3361.93	63.80	50.30	50.41	0.11	NA	sheen	10.00	3311.61	
RW-3	10/26/17	3361.93	63.80	50.25	50.38	0.13	NA	sheen	10.00	3311.66	
RW-3	11/01/17	3361.93	63.80	50.22	50.40	0.18	NA	sheen	10.00	3311.68	
RW-3	11/09/17	3361.93	63.80	50.18	50.36	0.18	NA	sheen	10.00	3311.72	
RW-3	11/16/17	3361.93	63.80	50.14	50.35	0.21	NA	sheen	10.00	3311.76	
RW-3	11/28/17	3361.93	63.80	50.22	50.36	0.14	NA	NA	NA	3311.69	
RW-3	12/06/17	3361.93	63.80	50.21	50.44	0.23	NA	sheen	10.00	3311.69	
RW-3	12/13/17	3361.93	63.80	50.08	50.19	0.11	NA	sheen	10.00	3311.83	
RW-3	01/03/18	3361.93	63.80	50.12	50.30	0.18	NA	sheen	10.00	3311.78	
RW-3	10/10/18	3361.93	63.80	50.08	50.14	0.06	NA	sheen	10.00	3311.84	
RW-3	01/17/18	3361.93	63.80	50.12	50.13	0.01	NA	1.00	9.00	3311.81	
RW-3	01/25/18	3361.93	63.80	50.01	50.10	0.09	NA	1.00	9.00	3311.91	
RW-3	02/01/18	3361.93	63.80	50.01	50.35	0.34	NA	1.00	9.00	3311.87	
RW-3	02/14/18	3361.93	63.80	50.00	50.09	0.09	NA	sheen	10.00	3311.92	
RW-3	02/21/18	3361.93	63.80	50.02	50.14	0.12	NA	sheen	10.00	3311.89	
RW-3	02/28/18	3361.93	63.80	49.90	50.10	0.20	NA	0.50	9.50	3312.00	
RW-3	03/06/18	3361.93	63.80	49.97	50.14	0.17	NA	NA	NA	3311.93	
RW-3	03/15/18	3361.93	63.80	49.92	50.11	0.19	NA	sheen	10.00	3311.98	
RW-3	03/22/18	3361.93	63.80	50.00	50.10	0.10	NA	sheen	10.00	3311.92	
RW-3	03/28/18	3361.93	63.80	50.00	50.22	0.22	NA	0.25	9.75	3311.90	
RW-3	04/04/18	3361.93	63.80	50.00	50.18	0.18	NA	sheen	10.00	3311.90	
RW-3	04/11/18	3361.93	63.80	50.03	50.19	0.16	NA	sheen	10.00	3311.88	
RW-3	04/19/18	3361.93	63.80	49.99	50.16	0.17	NA	sheen	10.00	3311.91	
RW-3	04/24/18	3361.93	63.80	50.00	50.18	0.18	NA	sheen	10.00	3311.90	
RW-3	05/02/18	3361.93	63.80	49.88	49.99	0.11	NA	sheen	10.00	3312.03	
RW-3	05/09/18	3361.93	63.80	49.92	50.02	0.10	NA	sheen	10.00	3312.00	
RW-3	05/15/18	3361.93	63.80	49.90	50.08	0.18	NA	sheen	10.00	3312.00	
RW-3	05/22/18	3361.93	63.80	49.87	50.05	0.18	NA	sheen	10.00	3312.03	
RW-3	05/30/18	3361.93	63.80	49.89	50.00	0.11	NA	sheen	10.00	3312.02	
RW-3	06/12/18	3361.93	63.80	49.89	50.06	0.17	NA	0.25	9.75	3312.01	Sampled
RW-3	06/19/18	3361.93	63.80	49.92	50.03	0.11	NA	sheen	10.00	3311.99	
RW-3	06/29/18	3361.93	63.80	49.95	50.04	0.09	NA	sheen	10.00	3311.97	
RW-3	07/05/18	3361.93	63.80	49.90	50.05	0.15	NA	0.25	9.75	3312.01	
RW-3	07/11/18	3361.93	63.80	49.96	50.07	0.11	NA	0.25	9.75	3311.95	
RW-3	07/18/18	3361.93	63.80	49.83	50.08	0.25	NA	0.25	9.75	3312.06	
RW-3	07/26/18	3361.93	63.80	49.86	50.12	0.26	NA	0.25	9.75	3312.03	
RW-3	07/31/18	3361.93	63.80	49.85	50.09	0.24	NA	0.25	9.75	3312.04	
RW-3	08/07/18	3361.93	63.80	49.80	50.03	0.23	NA	0.25	9.75	3312.10	
RW-3	08/14/18	3361.93	63.80	49.82	50.09	0.27	NA	0.25	9.75	3312.07	
RW-3	08/21/18	3361.93	63.80	49.81	50.08	0.27	NA	0.25	9.75	3312.08	
RW-3	08/30/18	3361.93	63.80	49.86	50.06	0.20	NA	0.25	9.75	3312.04	
RW-3	09/05/18	3361.93	63.80	49.90	50.11	0.21	NA	0.25	9.75	3312.00	
RW-3	09/18/18	3361.93	63.80	49.83	50.01	0.18	NA	0.25	9.75	3312.07	
RW-3	09/26/18	3361.93	63.80	49.86	50.02	0.16	NA	0.25	9.75	3312.05	
RW-3	10/03/18	3361.93	63.80	49.88	50.09	0.21	NA	0.25	9.75	3312.02	
RW-3	10/11/18	3361.93	63.80	49.81	50.10	0.29	NA	0.25	9.75	3312.08	
RW-3	10/17/18	3361.93	63.80	49.68	49.90	0.22	NA	0.25	9.75	3312.22	
RW-3	10/24/18	3361.93	63.80	49.82	50.01	0.19	NA	0.25	9.75	3312.08	
RW-3	10/31/18	3361.93	63.80	49.83	50.01	0.18	NA	0.25	9.75	3312.07	
RW-3	11/09/18	3361.93	63.80	49.78	49.96	0.18	NA	0.25	9.75	3312.12	
RW-3	11/13/18	3361.93	63.80	49.86	49.99	0.13	NA	0.25	9.75	3312.05	
RW-3	11/21/18	3361.93	63.80	49.88	50.00	0.12	NA	0.25	9.75	3312.03	
RW-3	11/27/18	3361.93	63.80	49.82	49.94	0.12	NA	0.25	9.75	3312.09	
RW-3	12/07/18	3361.93	63.80	49.89	50.02	0.13	NA	0.25	9.75	3312.02	
RW-3	12/12/18	3361.93	63.80	49.92	50.08	0.16	NA	0.25	9.75	3311.99	
RW-3	12/18/18	3361.93	63.80	49.90	50.09	0.19	NA	0.25	9.75	3312.00	
RW-3	01/03/19	3361.93	63.80	49.94	50.11	0.17	NA	sheen	10.00	3311.96	
RW-3	01/08/19	3361.93	63.80	49.92	50.12	0.20	NA	0.25	9.75	3311.98	
RW-3	01/29/19	3361.93	63.80	49.65	49.74	0.09	NA	sheen	10.00	3312.27	
RW-3	02/05/19	3361.93	63.80	49.76	49.90	0.14	NA	0.25	9.75	3312.15	
RW-3	02/12/19	3361.93	63.80	49.72	49.79	0.07	NA	0.25	9.75	3312.20	Sampled
RW-3	02/27/19	3361.93	63.80	49.70	49.81	0.11	NA	sheen	10.00	3312.21	
RW-3	03/06/19	3361.93	63.80	49.73	49.86	0.13	NA	0.25	9.75	3312.18	
RW-3	03/12/19	3361.93	63.80	49.75	49.91	0.16	NA	sheen	10.00	3312.16	
RW-3	03/21/19	3361.93	63.80	49.77	49.98	0.21	NA	sheen	10.00	3312.13	
RW-3	03/28/19	3361.93	63.80	49.71	49.99	0.28	NA	0.25	9.75	3312.18	
RW-3	04/02/19	3361.93	63.80	49.77	49.94	0.17	NA	sheen	10.00	3312.13	
RW-3	04/10/19	3361.93	63.80	49.70	49.86	0.16	NA	0.25	9.75	3312.21	
RW-3	04/16/19	3361.93	63.80	49.72	49.86	0.14	NA	sheen	10.00	3312.19	
RW-3	04/24/19	3361.93	63.80	49.75	49.87	0.12	NA	sheen	10.00	3312.16	
RW-3	05/01/19	3361.93	63.80	49.45	49.56	0.11	NA	sheen	10.00	3312.46	

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								PSH	H_2O		
RW-3	05/08/19	3361.93	63.80	49.47	49.54	0.07	NA	0.25	9.75	3312.45	
RW-3	05/17/19	3361.93	63.80	48.99	49.15	0.16	NA	0.25	9.75	3312.92	
RW-3	05/24/19	3361.93	63.80	49.01	49.18	0.17	NA	0.25	9.75	3312.89	
RW-3	06/05/19	3361.93	63.80	49.63	49.76	0.13	NA	sheen	10.00	3312.28	
RW-3	06/14/19	3361.93	63.80	49.43	49.45	0.02	NA	sheen	10.00	3312.50	
RW-3	06/20/19	3361.93	63.80	49.65	49.79	0.14	NA	sheen	10.00	3312.26	
RW-3	06/25/19	3361.93	63.80	49.48	49.49	0.01	NA	sheen	10.00	3312.45	
RW-3	07/02/19	3361.93	63.80	49.49	49.56	0.07	NA	sheen	10.00	3312.43	
RW-3	07/10/19	3361.93	63.80	49.49	49.52	0.03	NA	sheen	10.00	3312.44	
RW-3	07/26/19	3361.93	63.80	49.40	49.48	0.08	NA	sheen	10.00	3312.52	
RW-3	08/11/19	3361.93	63.80	49.48	49.56	0.08	NA	sheen	10.00	3312.44	
RW-3	08/14/19	3361.93	63.80	49.53	49.61	0.08	NA	sheen	10.00	3312.39	
RW-3	08/21/19	3361.93	63.80	49.48	49.49	0.01	NA	sheen	10.00	3312.45	
RW-3	09/06/19	3361.93	63.80	49.52	49.55	0.03	NA	0.25	9.75	3312.41	
RW-3	09/12/19	3361.93	63.80	49.52	49.53	0.01	NA	sheen	10.00	3312.41	
RW-3	09/19/19	3361.93	63.80	49.47	49.50	0.03	NA	sheen	10.00	3312.46	
RW-3	09/26/19	3361.93	63.80	49.86	50.02	0.16	NA	0.25	9.75	3312.05	
RW-3	10/16/19	3361.93	63.80	49.52	49.58	0.06	NA	sheen	10.00	3312.40	
RW-3	10/23/19	3361.93	63.80	49.48	49.52	0.04	NA	sheen	10.00	3312.44	
RW-3	10/31/19	3361.93	63.80	49.52	49.54	0.02	NA	sheen	10.00	3312.41	
RW-3	11/05/19	3361.93	63.80	49.45	49.47	0.02	NA	NA	NA	3312.48	
RW-3	11/14/19	3361.93	63.80	49.50	49.52	0.02	NA	sheen	10.00	3312.43	
RW-3	11/26/19	3361.93	63.80	49.41	49.43	0.02	NA	sheen	10.00	3312.52	
RW-3	12/03/19	3361.93	63.80	49.42	49.45	0.03	NA	sheen	10.00	3312.51	
RW-3	12/13/19	3361.93	63.80	49.47	49.50	0.03	NA	sheen	10.00	3312.46	
RW-3	12/20/19	3361.93	63.80	49.48	49.52	0.04	NA	sheen	10.00	3312.44	
RW-3	12/26/19	3361.93	63.80	49.45	49.48	0.03	NA	0.25	9.75	3312.48	
RW-3	01/02/20	3361.93	63.80	49.45	49.48	0.03	NA	sheen	10.00	3312.48	
RW-3	01/09/20	3361.93	63.80	49.39	49.41	0.02	NA	sheen	10.00	3312.54	
RW-3	01/14/20	3361.93	63.80	49.45	49.47	0.02	NA	sheen	10.00	3312.48	
RW-3	01/31/20	3361.93	63.80	49.36	49.37	0.01	NA	sheen	10.00	3312.57	
RW-3	02/07/20	3361.93	63.80	49.34	49.36	0.02	NA	sheen	10.00	3312.59	
RW-3	02/12/20	3361.93	63.80	49.32	49.34	0.02	NA	sheen	10.00	3312.61	
RW-3	02/19/20	3361.93	63.80	ND	49.35	ND	NA	sheen	10.00	3312.58	
RW-3	02/26/20	3361.93	63.80	49.31	49.32	0.01	NA	sheen	10.00	3312.62	
RW-3	03/05/20	3361.93	63.80	49.38	49.40	0.02	NA	sheen	10.00	3312.55	
RW-3	03/11/20	3361.93	63.80	sheen	49.33	sheen	NA	sheen	10.00	3312.60	
RW-3	03/17/20	3361.93	63.80	49.28	49.29	0.01	NA	sheen	10.00	3312.65	
RW-3	03/23/20	3361.93	63.80	49.30	49.31	0.01	NA	sheen	10.00	3312.63	
RW-3	05/07/20	3361.93	63.80	48.27	48.30	0.03	NA	NA	NA	3313.66	guage only
RW-3	05/20/20	3361.93	63.80	49.14	49.17	0.03	NA	sheen	10.00	3312.79	
RW-3	06/03/20	3361.93	63.80	49.15	49.16	0.01	NA	sheen	10.00	3312.78	
RW-3	06/16/20	3361.93	63.80	sheen	49.21	sheen	NA	sheen	10.00	3312.72	
RW-3	07/14/20	3361.93	63.80	sheen	49.15	sheen	NA	sheen	10.00	3312.78	
RW-3	08/18/20	3361.93	63.80	ND	49.18	ND	NA	sheen	10.00	3312.75	
RW-3	09/16/20	3361.93	63.80	sheen	49.26	sheen	NA	sheen	10.00	3312.67	
RW-3	10/08/20	3361.93	63.80	sheen	49.24	sheen	NA	sheen	10.00	3312.69	
RW-3	11/20/20	3361.93	63.80	ND	49.18	ND	NA	sheen	10.00	3312.75	
RW-3	12/04/20	3361.93	63.80	sheen	49.12	sheen	NA	sheen	10.00	3312.81	
RW-3	12/22/20	3361.93	63.80	49.22	49.23	0.01	NA	0.25	9.75	3312.71	
RW-4	12/06/06	3363.23	64.23	ND	49.80	ND	NA	NA	NA	3313.43	Sampled
RW-4	12/13/06	3363.23	NG	ND	49.83	ND	NA	NA	NA	3313.40	
RW-4	12/27/06	3363.23	NG	ND	49.63	ND	NA	NA	NA	3313.60	
RW-4	01/03/07	3363.23	NG	ND	49.78	ND	NA	NA	NA	3313.45	
RW-4	01/09/07	3363.23	NG	ND	49.78	ND	NA	NA	NA	3313.45	
RW-4	01/18/07	3363.23	NG	ND	49.65	ND	NA	NA	NA	3313.58	
RW-4	01/22/07	3363.23	NG	ND	49.59	ND	NA	NA	NA	3313.64	
RW-4	02/01/07	3363.23	NG	ND	49.54	ND	NA	NA	NA	3313.69	
RW-4	02/07/07	3363.23	NG	ND	49.68	ND	NA	NA	NA	3313.55	
RW-4	02/14/07	3363.23	NG	ND	49.66	ND	NA	NA	NA	3313.57	
RW-4	02/21/07	3363.23	NG	ND	49.68	ND	NA	NA	NA	3313.55	
RW-4	02/28/07	3363.23	64.25	ND	49.53	ND	NA	NA	NA	3313.70	Sampled
RW-4	03/07/07	3363.23	NG	ND	49.62	ND	NA	NA	NA	3313.61	
RW-4	04/03/07	3363.23	NG	ND	49.57	ND	NA	NA	NA	3313.66	
RW-4	05/03/07	3363.23	NG	ND	49.46	ND	NA	NA	NA	3313.77	
RW-4	05/30/07	3363.23	64.29	ND	49.52	ND	NA	NA	NA	3313.71	Sampled
RW-4	06/06/07	3363.23	64.32	ND	49.43	ND	NA	NA	NA	3313.80	
RW-4	07/05/07	3363.23	63.64	ND	49.43	ND	NA	NA	NA	3313.80	
RW-4	07/31/07	3363.23	63.65	ND	49.47	ND	NA	NA	NA	3313.76	
RW-4	09/06/07	3363.23	63.68	ND	49.43	ND	NA	NA	NA	3313.80	Sampled
RW-4	10/10/07	3363.23	63.65	ND	49.49	ND	NA	NA	NA	3313.74	
RW-4	11/13/07	3363.23	63.71	ND	49.55	ND	NA	NA	NA	3313.68	Sampled
RW-4	12/27/07	3363.23	63.71	ND	49.51	ND	NA	NA	NA	3313.72	
RW-4	01/09/08	3363.23	63.10	ND	49.46	ND	NA	NA	NA	3313.77	
RW-4	02/06/08	3363.23	63.10	ND	49.48	ND	NA	NA	NA	3313.75	
RW-4	02/27/08	3363.23	62.78	ND	49.61	ND	NA	NA	NA	3313.62	Sampled
RW-4	04/02/08	3363.23	62.78	ND	49.40	ND	NA	NA	NA	3313.83	
RW-4	05/28/08	3363.23	63.71	ND	49.58	ND	NA	NA	NA	3313.65	Sampled
RW-4	06/18/08	3363.23	63.71	ND	49.64	ND	NA	NA	NA	3313.59	
RW-4	07/07/08	3363.23	63.71	ND	49.62	ND	NA	NA	NA	3313.61	
RW-4	08/18/08	3363.23	63.73	ND	49.62	ND	NA	NA	NA	3313.61	Sampled
RW-4	10/29/08	3363.23	62.66	ND	49.72	ND	NA	NA	NA	3313.51	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-4	11/19/08	3363.23	62.66	ND	49.74	ND	NA	NA	NA	3313.49	Sampled
RW-4	12/21/08	3363.23	62.66	ND	49.78	ND	NA	NA	NA	3313.45	
RW-4	01/07/09	3363.23	63.47	ND	49.61	ND	NA	NA	NA	3313.62	
RW-4	02/04/09	3363.23	60.98	ND	49.71	ND	NA	NA	NA	3313.52	
RW-4	02/17/09	3363.23	62.80	ND	49.71	ND	NA	NA	NA	3313.52	Sampled
RW-4	03/04/09	3363.23	60.93	ND	49.68	ND	NA	NA	NA	3313.55	
RW-4	04/08/09	3363.23	60.93	ND	49.68	ND	NA	NA	NA	3313.55	
RW-4	04/08/09	3363.23	60.93	ND	49.71	ND	NA	NA	NA	3313.52	
RW-4	05/06/09	3363.23	60.93	ND	49.73	ND	NA	NA	NA	3313.50	
RW-4	05/19/09	3363.23	60.93	ND	49.80	ND	NA	NA	NA	3313.43	Sampled
RW-4	06/03/09	3363.23	60.93	ND	49.79	ND	NA	NA	NA	3313.44	
RW-4	07/15/09	3363.23	60.93	ND	49.83	ND	NA	NA	NA	3313.40	
RW-4	08/05/09	3363.23	60.93	ND	49.86	ND	NA	NA	NA	3313.37	
RW-4	08/26/09	3363.23	63.51	ND	49.90	ND	NA	NA	NA	3313.33	Sampled
RW-4	09/02/09	3363.23	63.51	ND	49.88	ND	NA	NA	NA	3313.35	
RW-4	10/07/09	3363.23	63.51	ND	49.89	ND	NA	NA	NA	3313.34	
RW-4	11/18/09	3363.23	63.51	ND	49.92	ND	NA	NA	NA	3313.31	Sampled
RW-4	12/02/09	3363.23	63.51	ND	49.97	ND	NA	NA	NA	3313.26	
RW-4	01/06/10	3363.22	63.51	ND	49.86	ND	NA	NA	NA	3313.36	
RW-4	02/11/10	3363.22	63.51	ND	49.90	ND	NA	NA	NA	3313.32	Sampled
RW-4	03/10/10	3363.22	63.51	ND	49.79	ND	NA	NA	NA	3313.43	
RW-4	04/07/10	3363.22	63.51	ND	49.85	ND	NA	NA	NA	3313.37	
RW-4	05/11/10	3363.22	63.51	ND	49.74	ND	NA	NA	NA	3313.48	Sampled
RW-4	06/02/10	3363.22	63.51	ND	49.74	ND	NA	NA	NA	3313.48	
RW-4	07/07/10	3363.22	63.51	ND	49.76	ND	NA	NA	NA	3313.46	
RW-4	08/03/10	3363.22	63.51	ND	49.77	ND	NA	NA	NA	3313.45	
RW-4	08/26/10	3363.22	63.51	ND	49.68	ND	NA	NA	NA	3313.54	Sampled
RW-4	09/01/10	3363.22	63.51	ND	49.68	ND	NA	NA	NA	3313.54	
RW-4	10/13/10	3363.22	63.51	ND	49.81	ND	NA	NA	NA	3313.41	
RW-4	11/18/10	3363.22	63.51	ND	49.76	ND	NA	NA	NA	3313.46	Sampled
RW-4	11/23/10	3363.22	63.51	ND	49.74	ND	NA	NA	NA	3313.48	
RW-4	12/08/10	3363.22	63.51	ND	49.78	ND	NA	NA	NA	3313.44	
RW-4	01/12/11	3363.22	63.51	ND	49.77	ND	NA	NA	NA	3313.45	
RW-4	02/08/11	3363.22	63.51	ND	49.64	ND	NA	NA	NA	3313.58	
RW-4	02/23/11	3363.22	63.51	ND	49.56	ND	NA	NA	NA	3313.66	Sampled
RW-4	03/08/11	3363.22	63.51	ND	49.86	ND	NA	NA	NA	3313.36	
RW-4	04/13/11	3363.22	63.51	ND	49.63	ND	NA	NA	NA	3313.59	
RW-4	06/01/11	3363.22	63.51	ND	49.71	ND	NA	NA	NA	3313.51	Sampled
RW-4	07/27/11	3363.22	63.51	ND	49.53	ND	NA	NA	NA	3313.69	
RW-4	08/30/11	3363.22	63.51	ND	49.82	ND	NA	NA	NA	3313.40	Sampled
RW-4	09/14/11	3363.22	63.51	ND	49.80	ND	NA	NA	NA	3313.42	
RW-4	10/12/11	3363.22	63.51	ND	49.87	ND	NA	NA	NA	3313.35	
RW-4	11/28/11	3363.22	63.51	ND	49.84	ND	NA	NA	NA	3313.38	Sampled
RW-4	12/27/11	3363.22	63.51	ND	49.84	ND	NA	NA	NA	3313.38	
RW-4	01/18/12	3363.22	63.51	ND	49.88	ND	NA	NA	NA	3313.34	
RW-4	02/02/12	3363.22	63.51	ND	49.78	ND	NA	NA	NA	3313.44	
RW-4	02/15/12	3363.22	63.51	ND	49.82	ND	NA	NA	NA	3313.40	
RW-4	02/22/12	3363.22	63.51	ND	49.76	ND	NA	NA	NA	3313.46	Sampled
RW-4	04/26/12	3363.22	63.51	ND	49.76	ND	NA	NA	NA	3313.46	
RW-4	05/22/12	3363.22	63.51	ND	49.70	ND	NA	NA	NA	3313.52	Sampled
RW-4	07/18/12	3363.22	63.51	ND	49.90	ND	NA	NA	NA	3313.32	
RW-4	09/11/12	3363.22	63.51	ND	49.93	ND	NA	NA	NA	3313.29	
RW-4	11/26/12	3363.22	63.51	ND	50.00	ND	NA	NA	NA	3313.22	
RW-4	02/27/13	3363.22	63.51	ND	50.11	ND	NA	NA	NA	3313.11	
RW-4	06/11/13	3363.22	63.51	ND	50.12	ND	NA	NA	NA	3313.10	
RW-4	08/14/13	3363.22	63.51	ND	50.21	ND	NA	NA	NA	3313.01	
RW-4	09/10/13	3363.22	63.65	ND	50.29	ND	NA	NA	NA	3312.93	
RW-4	11/06/13	3363.22	63.65	ND	50.29	ND	NA	NA	NA	3312.93	
RW-4	02/26/14	3363.22	63.65	ND	50.25	ND	NA	NA	NA	3312.97	
RW-4	03/05/14	3363.22	63.65	ND	50.26	ND	NA	NA	NA	3312.96	Sampled
RW-4	06/03/14	3363.22	63.65	ND	50.28	ND	NA	NA	NA	3312.94	Sampled
RW-4	09/17/14	3363.22	63.65	ND	50.44	ND	NA	NA	NA	3312.78	Sampled
RW-4	11/12/14	3363.22	63.65	ND	50.51	ND	NA	NA	NA	3312.71	Sampled
RW-4	02/25/15	3363.22	63.65	ND	50.44	ND	NA	NA	NA	3312.78	Sampled
RW-4	06/16/15	3363.22	63.65	ND	50.53	ND	NA	NA	NA	3312.69	Sampled
RW-4	08/26/15	3363.22	63.65	ND	50.59	ND	NA	NA	NA	3312.63	Sampled
RW-4	11/17/15	3363.22	63.65	ND	50.55	ND	NA	NA	NA	3312.67	Sampled
RW-4	03/08/16	3363.22	63.65	ND	50.42	ND	NA	NA	NA	3312.80	Sampled
RW-4	05/17/16	3363.22	63.65	ND	50.34	ND	NA	NA	NA	3312.88	Sampled
RW-4	09/19/16	3363.22	63.65	ND	50.31	ND	NA	NA	NA	3312.91	Sampled
RW-4	12/14/16	3363.22	63.65	ND	50.25	ND	NA	NA	NA	3312.97	Sampled
RW-4	05/08/17	3363.22	63.65	ND	50.09	ND	NA	NA	NA	3313.13	Sampled
RW-4	05/08/17	3363.22	63.65	ND	50.09	ND	NA	NA	NA	3313.13	Sampled
RW-4	09/14/17	3363.22	63.65	ND	50.11	ND	NA	NA	NA	3313.11	Sampled
RW-4	11/28/17	3363.22	63.65	ND	50.02	ND	NA	NA	NA	3313.20	Sampled
RW-4	03/06/18	3363.22	63.65	ND	49.86	ND	NA	NA	NA	3313.36	Sampled
RW-4	06/12/18	3363.22	63.65	ND	49.68	ND	NA	NA	NA	3313.54	Sampled
RW-4	09/05/18	3363.22	63.65	ND	49.69	ND	NA	NA	NA	3313.53	Sampled
RW-4	11/27/18	3363.22	63.65	ND	49.52	ND	NA	NA	NA	3313.70	Sampled
RW-4	02/12/19	3363.22	63.65	ND	49.46	ND	NA	NA	NA	3313.76	Sampled
RW-4	05/08/19	3363.22	63.65	ND	49.22	ND	NA	NA	NA	3314.00	Sampled
RW-4	08/21/19	3363.22	63.65	ND	49.21	ND	NA	NA	NA	3314.01	Sampled
RW-4	11/05/19	3363.22	63.65	ND	49.20	ND	NA	NA	NA	3314.02	Sampled
RW-4	03/17/20	3363.22	63.65	ND	49.02	ND	NA	NA	NA	3314.20	Sampled

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-4	06/16/20	3363.22	63.65	ND	48.94	ND	NA	NA	NA	3314.28	Sampled
RW-4	09/16/20	3363.22	63.65	ND	49.00	ND	NA	NA	NA	3314.22	Sampled
RW-4	12/22/20	3363.22	63.65	ND	48.95	ND	NA	NA	NA	3314.27	Sampled
RW-5	12/06/06	3362.38	64.00	ND	49.38	ND	NA	NA	NA	3313.00	Sampled
RW-5	12/13/06	3362.38	NG	ND	49.41	ND	NA	NA	NA	3312.97	
RW-5	12/27/06	3362.38	NG	ND	49.25	ND	NA	NA	NA	3313.13	
RW-5	01/03/07	3362.38	NG	ND	49.35	ND	NA	NA	NA	3313.03	
RW-5	01/09/07	3362.38	NG	ND	49.37	ND	NA	NA	NA	3313.01	
RW-5	01/18/07	3362.38	NG	ND	49.28	ND	NA	NA	NA	3313.10	
RW-5	01/22/07	3362.38	NG	ND	49.20	ND	NA	NA	NA	3313.18	
RW-5	02/01/07	3362.38	NG	ND	49.06	ND	NA	NA	NA	3313.32	
RW-5	02/07/07	3362.38	NG	ND	49.26	ND	NA	NA	NA	3313.12	
RW-5	02/14/07	3362.38	NG	ND	49.26	ND	NA	NA	NA	3313.12	
RW-5	02/21/07	3362.38	NG	ND	49.28	ND	NA	NA	NA	3313.10	
RW-5	02/28/07	3362.38	64.02	ND	49.13	ND	NA	NA	NA	3313.25	Sampled
RW-5	03/07/07	3362.38	NG	ND	49.22	ND	NA	NA	NA	3313.16	
RW-5	04/03/07	3362.38	NG	ND	49.19	ND	NA	NA	NA	3313.19	
RW-5	05/03/07	3362.38	NG	ND	49.08	ND	NA	NA	NA	3313.30	
RW-5	05/30/07	3362.38	64.02	ND	49.15	ND	NA	NA	NA	3313.23	Sampled
RW-5	06/06/07	3362.38	64.00	ND	49.02	ND	NA	NA	NA	3313.36	
RW-5	07/05/07	3362.38	64.02	ND	49.02	ND	NA	NA	NA	3313.36	
RW-5	07/31/07	3362.38	64.04	ND	49.07	ND	NA	NA	NA	3313.31	
RW-5	09/06/07	3362.38	64.05	ND	49.00	ND	NA	NA	NA	3313.38	Sampled
RW-5	09/10/07	3362.38	64.05	ND	49.02	ND	NA	NA	NA	3313.36	
RW-5	11/13/07	3362.38	64.00	ND	49.06	ND	NA	NA	NA	3313.32	Sampled
RW-5	12/27/07	3362.38	64.00	ND	49.02	ND	NA	NA	NA	3313.36	
RW-5	01/09/08	3362.38	64.00	ND	48.98	ND	NA	NA	NA	3313.40	
RW-5	02/06/08	3362.38	64.00	ND	49.03	ND	NA	NA	NA	3313.35	
RW-5	02/27/08	3362.38	64.00	ND	49.15	ND	NA	NA	NA	3313.23	Sampled
RW-5	04/02/08	3362.38	64.00	ND	48.98	ND	NA	NA	NA	3313.40	
RW-5	05/28/08	3362.38	64.00	ND	49.14	ND	NA	NA	NA	3313.24	Sampled
RW-5	06/18/08	3362.38	64.00	ND	49.20	ND	NA	NA	NA	3313.18	
RW-5	07/07/08	3362.38	64.00	ND	49.15	ND	NA	NA	NA	3313.23	
RW-5	08/18/08	3362.38	63.21	ND	49.21	ND	NA	NA	NA	3313.17	Sampled
RW-5	10/29/08	3362.38	63.18	ND	49.23	ND	NA	NA	NA	3313.15	
RW-5	11/19/08	3362.38	63.18	ND	49.28	ND	NA	NA	NA	3313.10	Sampled
RW-5	12/21/08	3362.38	63.18	ND	49.31	ND	NA	NA	NA	3313.07	
RW-5	01/07/09	3362.38	63.18	ND	49.20	ND	NA	NA	NA	3313.18	
RW-5	02/04/09	3362.38	60.91	ND	49.26	ND	NA	NA	NA	3313.12	
RW-5	02/17/09	3362.38	63.15	ND	49.25	ND	NA	NA	NA	3313.13	Sampled
RW-5	03/04/09	3362.38	63.65	ND	49.20	ND	NA	NA	NA	3313.18	
RW-5	04/08/09	3362.38	63.65	ND	49.26	ND	NA	NA	NA	3313.12	
RW-5	05/06/09	3362.38	63.65	ND	49.24	ND	NA	NA	NA	3313.14	
RW-5	05/19/09	3362.38	63.65	ND	49.35	ND	NA	NA	NA	3313.03	Sampled
RW-5	06/03/09	3362.38	63.65	ND	49.35	ND	NA	NA	NA	3313.03	
RW-5	07/15/09	3362.38	63.65	ND	49.40	ND	NA	NA	NA	3312.98	
RW-5	08/05/09	3362.38	63.65	ND	49.42	ND	NA	NA	NA	3312.96	
RW-5	08/26/09	3362.38	64.00	ND	49.42	ND	NA	NA	NA	3312.96	Sampled
RW-5	09/02/09	3362.38	64.00	ND	49.37	ND	NA	NA	NA	3313.01	
RW-5	10/07/09	3362.38	64.00	ND	49.44	ND	NA	NA	NA	3312.94	
RW-5	11/18/09	3362.38	64.00	ND	49.43	ND	NA	NA	NA	3312.95	Sampled
RW-5	12/02/09	3362.38	64.00	ND	49.48	ND	NA	NA	NA	3312.90	
RW-5	01/06/10	3362.38	64.00	ND	49.44	ND	NA	NA	NA	3312.94	
RW-5	02/11/10	3362.38	64.00	ND	49.40	ND	NA	NA	NA	3312.98	Sampled
RW-5	03/10/10	3362.38	64.00	ND	49.31	ND	NA	NA	NA	3313.07	
RW-5	04/07/10	3362.38	64.00	ND	49.37	ND	NA	NA	NA	3313.01	
RW-5	05/11/10	3362.38	64.00	ND	49.31	ND	NA	NA	NA	3313.07	Sampled
RW-5	06/02/10	3362.38	64.00	ND	49.27	ND	NA	NA	NA	3313.11	
RW-5	07/07/10	3362.38	64.00	ND	49.30	ND	NA	NA	NA	3313.08	
RW-5	08/03/10	3362.38	64.00	ND	49.28	ND	NA	NA	NA	3313.10	
RW-5	08/26/10	3362.38	64.00	ND	49.28	ND	NA	NA	NA	3313.10	Sampled
RW-5	09/01/10	3362.38	64.00	ND	49.23	ND	NA	NA	NA	3313.15	
RW-5	10/13/10	3362.38	64.00	ND	49.37	ND	NA	NA	NA	3313.01	
RW-5	11/18/10	3362.38	64.00	ND	49.32	ND	NA	NA	NA	3313.06	Sampled
RW-5	11/23/10	3362.38	64.00	ND	49.34	ND	NA	NA	NA	3313.04	
RW-5	12/08/10	3362.38	64.00	ND	49.31	ND	NA	NA	NA	3313.07	
RW-5	01/12/11	3362.38	64.00	ND	49.30	ND	NA	NA	NA	3313.08	
RW-5	02/08/11	3362.38	64.00	ND	49.15	ND	NA	NA	NA	3313.23	
RW-5	02/23/11	3362.38	64.00	ND	49.23	ND	NA	NA	NA	3313.15	Sampled
RW-5	03/08/11	3362.38	64.00	ND	49.17	ND	NA	NA	NA	3313.21	
RW-5	04/13/11	3362.38	64.00	ND	49.22	ND	NA	NA	NA	3313.16	
RW-5	06/01/11	3362.38	64.00	ND	49.24	ND	NA	NA	NA	3313.14	Sampled
RW-5	07/27/11	3362.38	64.00	ND	49.28	ND	NA	NA	NA	3313.10	
RW-5	08/30/11	3362.38	64.00	ND	49.33	ND	NA	NA	NA	3313.05	Sampled
RW-5	09/14/11	3362.38	64.00	ND	49.37	ND	NA	NA	NA	3313.01	
RW-5	10/12/11	3362.38	64.00	ND	49.41	ND	NA	NA	NA	3312.97	
RW-5	11/28/11	3362.38	64.00	ND	49.38	ND	NA	NA	NA	3313.00	Sampled
RW-5	12/27/11	3362.38	64.00	ND	49.41	ND	NA	NA	NA	3312.97	
RW-5	01/18/12	3362.38	64.00	ND	49.41	ND	NA	NA	NA	3312.97	
RW-5	02/02/12	3362.38	64.00	ND	49.30	ND	NA	NA	NA	3313.08	
RW-5	02/15/12	3362.38	64.00	ND	49.40	ND	NA	NA	NA	3312.98	
RW-5	02/22/12	3362.38	64.00	ND	49.34	ND	NA	NA	NA	3313.04	Sampled
RW-5	04/26/12	3362.38	64.00	ND	49.35	ND	NA	NA	NA	3313.03	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-5	05/22/12	3362.38	64.00	ND	49.28	ND	NA	NA	NA	3313.10	Sampled
RW-5	07/18/12	3362.38	64.00	ND	49.49	ND	NA	NA	NA	3312.89	
RW-5	09/11/12	3362.38	64.00	ND	49.54	ND	NA	NA	NA	3312.84	
RW-5	11/26/12	3362.38	64.00	ND	49.60	ND	NA	NA	NA	3312.78	
RW-5	02/27/13	3362.38	64.00	ND	49.70	ND	NA	NA	NA	3312.68	
RW-5	06/11/13	3362.38	64.00	ND	49.71	ND	NA	NA	NA	3312.67	
RW-5	08/14/13	3362.38	64.00	ND	49.79	ND	NA	NA	NA	3312.59	
RW-5	09/10/13	3362.38	64.00	ND	49.84	ND	NA	NA	NA	3312.54	
RW-5	11/06/13	3362.38	64.05	ND	49.86	ND	NA	NA	NA	3312.52	
RW-5	02/26/14	3362.38	64.05	ND	49.81	ND	NA	NA	NA	3312.57	
RW-5	03/05/14	3362.38	64.05	ND	49.85	ND	NA	NA	NA	3312.53	Sampled
RW-5	06/03/14	3362.38	64.05	ND	49.87	ND	NA	NA	NA	3312.51	Sampled
RW-5	09/17/14	3362.38	64.05	ND	50.02	ND	NA	NA	NA	3312.36	Sampled
RW-5	11/12/14	3362.38	64.05	ND	50.11	ND	NA	NA	NA	3312.27	Sampled
RW-5	02/25/15	3362.38	64.05	ND	49.97	ND	NA	NA	NA	3312.41	Sampled
RW-5	06/16/15	3362.38	64.05	ND	50.07	ND	NA	NA	NA	3312.31	Sampled
RW-5	08/26/15	3362.38	64.05	ND	50.15	ND	NA	NA	NA	3312.23	Sampled
RW-5	11/17/15	3362.38	64.05	ND	50.12	ND	NA	NA	NA	3312.26	Sampled
RW-5	03/08/16	3362.38	64.05	ND	49.98	ND	NA	NA	NA	3312.40	Sampled
RW-5	05/17/16	3362.38	64.05	ND	49.93	ND	NA	NA	NA	3312.45	Sampled
RW-5	09/19/16	3362.38	64.07	ND	49.92	ND	NA	NA	NA	3312.46	Sampled
RW-5	12/14/16	3362.38	64.07	ND	49.83	ND	NA	NA	NA	3312.55	Sampled
RW-5	05/08/17	3362.38	64.07	ND	49.68	ND	NA	NA	NA	3312.70	Sampled
RW-5	09/14/17	3362.38	64.07	ND	49.70	ND	NA	NA	NA	3312.68	Sampled
RW-5	11/28/17	3362.38	64.07	ND	49.62	ND	NA	NA	NA	3312.76	Sampled
RW-5	03/06/18	3362.38	64.07	ND	49.49	ND	NA	NA	NA	3312.89	Sampled
RW-5	06/12/18	3362.38	64.07	ND	49.31	ND	NA	NA	NA	3313.07	Sampled
RW-5	09/05/18	3362.38	64.07	ND	49.29	ND	NA	NA	NA	3313.09	Sampled
RW-5	11/27/18	3362.38	64.07	ND	49.18	ND	NA	NA	NA	3313.20	Sampled
RW-5	02/13/19	3362.38	64.07	ND	49.11	ND	NA	NA	NA	3313.27	Sampled
RW-5	05/08/19	3362.38	64.07	ND	48.84	ND	NA	NA	NA	3313.54	Sampled
RW-5	08/21/19	3362.38	64.07	ND	48.87	ND	NA	NA	NA	3313.51	Sampled
RW-5	11/05/19	3362.38	64.07	ND	48.85	ND	NA	NA	NA	3313.53	Sampled
RW-5	03/17/20	3362.38	64.07	ND	48.66	ND	NA	NA	NA	3313.72	Sampled
RW-5	06/16/20	3362.38	64.07	ND	48.60	ND	NA	NA	NA	3313.78	Sampled
RW-5	09/16/20	3362.38	64.07	ND	48.65	ND	NA	NA	NA	3313.73	Sampled
RW-5	12/22/20	3362.38	64.07	ND	48.60	ND	NA	NA	NA	3313.78	Sampled
RW-6	12/06/06	3363.11	64.19	ND	50.62	ND	NA	NA	NA	3312.49	Sampled
RW-6	12/13/06	3363.11	NG	ND	50.68	ND	NA	NA	NA	3312.43	
RW-6	12/27/06	3363.11	NG	ND	50.52	ND	NA	NA	NA	3312.59	
RW-6	01/03/07	3363.11	NG	ND	50.64	ND	NA	NA	NA	3312.47	
RW-6	01/09/07	3363.11	NG	ND	50.66	ND	NA	NA	NA	3312.45	
RW-6	01/18/07	3363.11	NG	ND	50.57	ND	NA	NA	NA	3312.54	
RW-6	01/22/07	3363.11	NG	ND	50.48	ND	NA	NA	NA	3312.63	
RW-6	02/01/07	3363.11	NG	ND	50.43	ND	NA	NA	NA	3312.68	
RW-6	02/07/07	3363.11	NG	ND	50.58	ND	NA	NA	NA	3312.53	
RW-6	02/14/07	3363.11	NG	ND	50.56	ND	NA	NA	NA	3312.55	
RW-6	02/21/07	3363.11	NG	ND	50.59	ND	NA	NA	NA	3312.52	
RW-6	02/28/07	3363.11	64.20	ND	50.40	ND	NA	NA	NA	3312.71	Sampled
RW-6	03/07/07	3363.11	NG	ND	50.50	ND	NA	NA	NA	3312.61	
RW-6	04/03/07	3363.11	NG	ND	50.47	ND	NA	NA	NA	3312.64	
RW-6	05/03/07	3363.11	NG	ND	50.35	ND	NA	NA	NA	3312.76	
RW-6	05/30/07	3363.11	64.19	ND	50.42	ND	NA	NA	NA	3312.69	Sampled
RW-6	06/06/07	3363.11	64.20	ND	50.31	ND	NA	NA	NA	3312.80	
RW-6	07/05/07	3363.11	64.18	ND	50.26	ND	NA	NA	NA	3312.85	
RW-6	07/31/07	3363.11	64.17	ND	50.30	ND	NA	NA	NA	3312.81	
RW-6	09/06/07	3363.11	64.19	ND	50.30	ND	NA	NA	NA	3312.81	Sampled
RW-6	10/10/07	3363.11	64.19	ND	50.34	ND	NA	NA	NA	3312.77	
RW-6	11/13/07	3363.11	64.18	ND	50.35	ND	NA	NA	NA	3312.76	Sampled
RW-6	12/27/07	3363.11	64.18	ND	50.30	ND	NA	NA	NA	3312.81	
RW-6	01/09/08	3363.11	64.18	ND	50.27	ND	NA	NA	NA	3312.84	
RW-6	02/06/08	3363.11	64.18	ND	50.31	ND	NA	NA	NA	3312.80	
RW-6	02/27/08	3363.11	64.13	ND	50.47	ND	NA	NA	NA	3312.64	Sampled
RW-6	04/02/08	3363.11	64.13	ND	50.26	ND	NA	NA	NA	3312.85	
RW-6	05/28/08	3363.11	64.13	ND	50.45	ND	NA	NA	NA	3312.66	Sampled
RW-6	06/18/08	3363.11	64.13	ND	50.52	ND	NA	NA	NA	3312.59	
RW-6	07/07/08	3363.11	64.13	ND	50.42	ND	NA	NA	NA	3312.69	
RW-6	08/18/08	3363.11	64.17	ND	50.48	ND	NA	NA	NA	3312.63	Sampled
RW-6	10/29/08	3363.11	63.80	ND	50.55	ND	NA	NA	NA	3312.56	
RW-6	11/19/08	3363.11	63.80	ND	50.56	ND	NA	NA	NA	3312.55	Sampled
RW-6	12/21/08	3363.11	63.80	ND	50.59	ND	NA	NA	NA	3312.52	
RW-6	01/07/09	3363.11	63.84	ND	50.46	ND	NA	NA	NA	3312.65	
RW-6	02/04/09	3363.11	63.85	ND	50.51	ND	NA	NA	NA	3312.60	
RW-6	02/17/09	3363.11	64.15	ND	50.50	ND	NA	NA	NA	3312.61	Sampled
RW-6	03/04/09	3363.11	63.81	ND	50.48	ND	NA	NA	NA	3312.63	
RW-6	04/08/09	3363.11	63.81	ND	50.54	ND	NA	NA	NA	3312.57	
RW-6	05/06/09	3363.11	63.81	ND	50.59	ND	NA	NA	NA	3312.52	
RW-6	05/19/09	3363.11	63.81	ND	50.64	ND	NA	NA	NA	3312.47	Sampled
RW-6	06/03/09	3363.11	63.81	ND	50.60	ND	NA	NA	NA	3312.51	
RW-6	07/15/09	3363.11	63.81	ND	50.70	ND	NA	NA	NA	3312.41	
RW-6	08/05/09	3363.11	63.81	ND	50.70	ND	NA	NA	NA	3312.41	
RW-6	08/26/09	3363.11	64.12	ND	50.72	ND	NA	NA	NA	3312.39	Sampled
RW-6	09/02/09	3363.11	64.12	ND	50.70	ND	NA	NA	NA	3312.41	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-6	10/07/09	3363.11	64.12	ND	50.72	ND	NA	NA	NA	3312.39	
RW-6	11/18/09	3363.11	64.12	ND	50.72	ND	NA	NA	NA	3312.39	
RW-6	12/02/09	3363.11	64.12	ND	50.79	ND	NA	NA	NA	3312.32	
RW-6	01/06/10	3363.11	64.12	ND	50.72	ND	NA	NA	NA	3312.39	
RW-6	02/11/10	3363.11	64.12	ND	50.70	ND	NA	NA	NA	3312.41	Sampled
RW-6	03/10/10	3363.11	64.12	ND	50.61	ND	NA	NA	NA	3312.50	
RW-6	04/07/10	3363.11	64.12	ND	50.64	ND	NA	NA	NA	3312.47	
RW-6	05/11/10	3363.11	64.12	ND	50.58	ND	NA	NA	NA	3312.53	Sampled
RW-6	06/02/10	3363.11	64.12	ND	50.56	ND	NA	NA	NA	3312.55	
RW-6	07/07/10	3363.11	64.12	ND	50.58	ND	NA	NA	NA	3312.53	
RW-6	08/03/10	3363.11	64.12	ND	50.57	ND	NA	NA	NA	3312.54	
RW-6	08/26/10	3363.11	64.12	ND	50.55	ND	NA	NA	NA	3312.56	Sampled
RW-6	09/01/10	3363.11	64.12	ND	50.51	ND	NA	NA	NA	3312.60	
RW-6	10/13/10	3363.11	64.12	ND	50.68	ND	NA	NA	NA	3312.43	
RW-6	11/18/10	3363.11	64.12	ND	50.57	ND	NA	NA	NA	3312.54	Sampled
RW-6	11/23/10	3363.11	64.12	ND	50.60	ND	NA	NA	NA	3312.51	
RW-6	12/08/10	3363.11	64.12	ND	50.63	ND	NA	NA	NA	3312.48	
RW-6	01/12/11	3363.11	64.12	ND	50.61	ND	NA	NA	NA	3312.50	
RW-6	02/08/11	3363.11	64.12	ND	50.46	ND	NA	NA	NA	3312.65	
RW-6	02/23/11	3363.11	64.12	ND	50.50	ND	NA	NA	NA	3312.61	Sampled
RW-6	03/08/11	3363.11	64.12	ND	50.49	ND	NA	NA	NA	3312.62	
RW-6	04/13/11	3363.11	64.12	ND	50.48	ND	NA	NA	NA	3312.63	
RW-6	06/01/11	3363.11	64.12	ND	50.51	ND	NA	NA	NA	3312.60	Sampled
RW-6	07/27/11	3363.11	64.12	ND	50.58	ND	NA	NA	NA	3312.53	
RW-6	08/30/11	3363.11	64.12	ND	50.60	ND	NA	NA	NA	3312.51	Sampled
RW-6	09/14/11	3363.11	64.12	ND	50.69	ND	NA	NA	NA	3312.42	
RW-6	10/12/11	3363.11	64.12	ND	50.70	ND	NA	NA	NA	3312.41	
RW-6	11/28/11	3363.11	64.12	ND	50.69	ND	NA	NA	NA	3312.42	Sampled
RW-6	12/27/11	3363.11	64.12	ND	50.71	ND	NA	NA	NA	3312.40	
RW-6	01/18/12	3363.11	64.12	ND	50.68	ND	NA	NA	NA	3312.43	
RW-6	02/02/12	3363.11	64.12	ND	50.60	ND	NA	NA	NA	3312.51	
RW-6	02/15/12	3363.11	64.12	ND	50.68	ND	NA	NA	NA	3312.43	
RW-6	02/22/12	3363.11	64.12	ND	50.57	ND	NA	NA	NA	3312.54	Sampled
RW-6	04/26/12	3363.11	64.12	ND	50.61	ND	NA	NA	NA	3312.50	
RW-6	05/22/12	3363.11	64.12	ND	50.55	ND	NA	NA	NA	3312.56	Sampled
RW-6	07/18/12	3363.11	64.12	ND	50.77	ND	NA	NA	NA	3312.34	
RW-6	09/11/12	3363.11	64.12	ND	50.78	ND	NA	NA	NA	3312.33	
RW-6	11/26/12	3363.11	64.12	ND	50.85	ND	NA	NA	NA	3312.26	
RW-6	02/27/13	3363.11	64.12	ND	50.96	ND	NA	NA	NA	3312.15	
RW-6	06/11/13	3363.11	64.12	ND	50.95	ND	NA	NA	NA	3312.16	
RW-6	08/14/13	3363.11	64.12	ND	51.05	ND	NA	NA	NA	3312.06	
RW-6	09/10/13	3363.11	64.12	ND	51.11	ND	NA	NA	NA	3312.00	
RW-6	11/06/13	3363.11	64.22	ND	51.13	ND	NA	NA	NA	3311.98	
RW-6	02/26/14	3363.11	64.22	ND	51.06	ND	NA	NA	NA	3312.05	
RW-6	03/05/14	3363.11	64.22	ND	51.11	ND	NA	NA	NA	3312.00	Sampled
RW-6	06/03/14	3363.11	64.22	ND	51.11	ND	NA	NA	NA	3312.00	Sampled
RW-6	09/17/14	3363.11	64.22	ND	51.27	ND	NA	NA	NA	3311.84	Sampled
RW-6	11/12/14	3363.11	64.22	ND	51.35	ND	NA	NA	NA	3311.76	Sampled
RW-6	02/25/15	3363.11	64.22	ND	51.18	ND	NA	NA	NA	3311.93	Sampled
RW-6	06/16/15	3363.11	64.22	ND	51.31	ND	NA	NA	NA	3311.80	Sampled
RW-6	08/26/15	3363.11	64.22	ND	51.39	ND	NA	NA	NA	3311.72	Sampled
RW-6	11/17/15	3363.11	64.22	ND	51.35	ND	NA	NA	NA	3311.76	Sampled
RW-6	03/08/16	3363.11	64.22	ND	51.21	ND	NA	NA	NA	3311.90	Sampled
RW-6	05/17/16	3363.11	64.22	ND	51.17	ND	NA	NA	NA	3311.94	Sampled
RW-6	09/19/16	3363.11	64.27	ND	50.97	ND	NA	NA	NA	3312.14	Sampled
RW-6	12/14/16	3363.11	64.27	ND	51.03	ND	NA	NA	NA	3312.08	Sampled
RW-6	05/08/17	3363.11	64.27	ND	50.92	ND	NA	NA	NA	3312.19	Sampled
RW-6	09/14/17	3363.11	64.27	ND	50.93	ND	NA	NA	NA	3312.18	Sampled
RW-6	11/28/17	3363.11	64.27	ND	50.88	ND	NA	NA	NA	3312.23	Sampled
RW-6	03/06/18	3363.11	64.27	ND	50.72	ND	NA	NA	NA	3312.39	Sampled
RW-6	06/12/18	3363.11	64.27	ND	50.60	ND	NA	NA	NA	3312.51	Sampled
RW-6	09/05/18	3363.11	64.27	ND	50.60	ND	NA	NA	NA	3312.51	Sampled
RW-6	11/27/18	3363.11	64.27	ND	50.45	ND	NA	NA	NA	3312.66	Sampled
RW-6	02/12/19	3363.11	64.27	ND	50.38	ND	NA	NA	NA	3312.73	Sampled
RW-6	05/08/19	3363.11	64.27	ND	50.12	ND	NA	NA	NA	3312.99	Sampled
RW-6	08/21/19	3363.11	64.27	ND	50.16	ND	NA	NA	NA	3312.95	Sampled
RW-6	11/05/19	3363.11	64.27	ND	50.12	ND	NA	NA	NA	3312.99	Sampled
RW-6	03/17/20	3363.11	64.27	ND	49.92	ND	NA	NA	NA	3313.19	Sampled
RW-6	06/16/20	3363.11	64.27	ND	49.88	ND	NA	NA	NA	3313.23	Sampled
RW-6	09/16/20	3363.11	64.27	ND	49.95	ND	NA	NA	NA	3313.16	Sampled
RW-6	12/22/20	3363.11	64.27	ND	49.96	ND	NA	NA	NA	3313.15	Sampled
RW-7	11/06/13	3362.52	68.56	ND	50.53	ND	NA	NA	NA	3311.99	
RW-7	11/20/13	3362.52	68.56	ND	50.35	ND	NA	NA	NA	3312.17	
RW-7	11/27/13	3362.52	68.56	ND	50.14	ND	NA	NA	NA	3312.38	
RW-7	12/17/13	3362.52	68.56	ND	50.45	ND	NA	NA	NA	3312.07	
RW-7	01/02/14	3362.52	68.56	ND	50.48	ND	NA	NA	NA	3312.04	
RW-7	01/15/14	3362.52	68.56	ND	50.42	ND	NA	NA	NA	3312.10	
RW-7	01/22/14	3362.52	68.56	ND	50.38	ND	NA	NA	NA	3312.14	
RW-7	01/30/14	3362.52	68.56	ND	50.33	ND	NA	NA	NA	3312.19	
RW-7	02/05/14	3362.52	68.56	ND	50.44	ND	NA	NA	NA	3312.08	
RW-7	02/13/14	3362.52	68.56	ND	50.36	ND	NA	NA	NA	3312.16	
RW-7	02/20/14	3362.52	68.56	ND	50.38	ND	NA	NA	NA	3312.14	
RW-7	02/26/14	3362.52	68.56	ND	50.40	ND	NA	NA	NA	3312.12	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-7	03/05/14	3362.52	68.56	ND	50.43	ND	NA	NA	NA	3312.09	Sampled
RW-7	03/18/14	3362.52	68.56	ND	50.35	ND	NA	NA	NA	3312.17	Sampled
RW-7	04/02/14	3362.52	68.56	ND	50.42	ND	NA	NA	NA	3312.10	Sampled
RW-7	04/09/14	3362.52	68.56	ND	50.39	ND	NA	NA	NA	3312.13	
RW-7	04/15/14	3362.52	68.56	ND	50.38	ND	NA	NA	NA	3312.14	
RW-7	04/23/14	3362.52	68.56	ND	50.39	ND	NA	NA	NA	3312.13	
RW-7	05/04/14	3362.52	68.56	ND	50.38	ND	NA	NA	NA	3312.14	
RW-7	05/07/14	3362.52	68.56	ND	50.39	ND	NA	NA	NA	3312.13	
RW-7	05/16/14	3362.52	68.56	ND	50.35	ND	NA	NA	NA	3312.17	
RW-7	05/20/14	3362.52	68.56	ND	50.38	ND	NA	NA	NA	3312.14	
RW-7	06/03/14	3362.52	68.56	ND	50.43	ND	NA	NA	NA	3312.09	
RW-7	06/19/14	3362.52	68.56	ND	50.47	ND	NA	NA	NA	3312.05	
RW-7	06/25/14	3362.52	68.56	ND	50.47	ND	NA	NA	NA	3312.05	
RW-7	07/09/14	3362.52	68.56	ND	50.49	ND	NA	NA	NA	3312.03	
RW-7	07/16/14	3362.52	68.56	ND	50.48	ND	NA	NA	NA	3312.04	
RW-7	07/23/14	3362.52	68.56	ND	50.48	ND	NA	NA	NA	3312.04	
RW-7	07/29/14	3362.52	68.56	ND	50.50	ND	NA	NA	NA	3312.02	
RW-7	08/12/14	3362.52	68.56	ND	50.56	ND	NA	NA	NA	3311.96	
RW-7	08/21/14	3362.52	68.56	ND	50.53	ND	NA	NA	NA	3311.99	
RW-7	08/27/14	3362.52	68.56	ND	50.61	ND	NA	NA	NA	3311.91	
RW-7	09/03/14	3362.52	68.56	ND	50.58	ND	NA	NA	NA	3311.94	
RW-7	09/09/14	3362.52	68.56	ND	50.52	ND	NA	NA	NA	3312.00	
RW-7	09/17/14	3362.52	68.65	ND	50.51	ND	NA	NA	NA	3312.01	Sampled
RW-7	09/29/14	3362.52	68.65	ND	50.50	ND	NA	NA	NA	3312.02	
RW-7	11/12/14	3362.52	68.65	ND	50.65	ND	NA	NA	NA	3311.87	
RW-7	02/25/15	3362.52	68.56	ND	50.52	ND	NA	NA	NA	3312.00	Sampled
RW-7	04/29/15	3362.52	68.56	ND	50.60	ND	NA	NA	NA	3311.92	
RW-7	06/09/15	3362.52	68.56	ND	50.59	ND	NA	NA	NA	3311.93	
RW-7	06/16/15	3362.52	68.56	ND	50.62	ND	NA	NA	NA	3311.90	Sampled
RW-7	08/26/15	3362.52	68.56	ND	50.70	ND	NA	NA	NA	3311.82	Sampled
RW-7	10/13/15	3362.52	68.56	ND	50.76	ND	NA	NA	20.00	3311.76	
RW-7	10/20/15	3362.52	68.56	ND	50.69	ND	NA	NA	20.00	3311.83	
RW-7	11/03/15	3362.52	68.56	ND	50.72	ND	NA	NA	20.00	3311.80	
RW-7	11/17/15	3362.52	68.56	ND	50.68	ND	NA	NA	NA	3311.84	Sampled
RW-7	03/08/16	3362.52	68.56	ND	50.53	ND	NA	NA	NA	3311.99	Sampled
RW-7	05/17/16	3362.52	68.56	ND	50.48	ND	NA	NA	NA	3312.04	Sampled
RW-7	09/19/16	3362.52	68.56	ND	49.87	ND	NA	NA	NA	3312.65	Sampled
RW-7	12/14/16	3362.52	68.56	ND	49.78	ND	NA	NA	NA	3312.74	Sampled
RW-7	05/08/17	3362.52	68.56	ND	49.62	ND	NA	NA	NA	3312.90	Sampled
RW-7	09/14/17	3362.52	68.56	ND	49.63	ND	NA	NA	NA	3312.89	Sampled
RW-7	11/28/17	3362.52	68.56	ND	49.58	ND	NA	NA	NA	3312.94	Sampled
RW-7	03/06/18	3362.52	68.56	ND	49.41	ND	NA	NA	NA	3313.11	Sampled
RW-7	06/12/18	3362.52	68.56	ND	49.25	ND	NA	NA	NA	3313.27	Sampled
RW-7	09/05/18	3362.52	68.56	ND	49.25	ND	NA	NA	NA	3313.27	Sampled
RW-7	11/27/18	3362.52	68.56	ND	49.10	ND	NA	NA	NA	3313.42	Sampled
RW-7	02/12/19	3362.52	68.56	ND	49.04	ND	NA	NA	NA	3313.48	Sampled
RW-7	05/08/19	3362.52	68.56	ND	48.82	ND	NA	NA	NA	3313.70	Sampled
RW-7	08/21/19	3362.52	68.56	ND	48.84	ND	NA	NA	NA	3313.68	Sampled
RW-7	11/05/19	3362.52	68.56	ND	48.80	ND	NA	NA	NA	3313.72	Sampled
RW-7	03/17/20	3362.52	68.56	ND	48.62	ND	NA	NA	NA	3313.90	Sampled
RW-7	06/16/20	3362.52	68.56	ND	48.56	ND	NA	NA	NA	3313.96	Sampled
RW-7	09/16/20	3362.52	68.56	ND	48.61	ND	NA	NA	NA	3313.91	Sampled
RW-7	12/22/20	3362.52	68.56	ND	48.58	ND	NA	NA	NA	3313.94	Sampled
RW-8	11/06/13	3362.52	64.22	50.3	52.20	1.90	NA	NA	NA	3311.94	
RW-8	11/20/13	3362.52	64.22	50.15	52.10	1.95	NA	2.50	2.50	3312.08	
RW-8	11/27/13	3362.52	64.22	50.25	52.10	1.85	NA	3.00	2.00	3311.99	
RW-8	12/17/13	3362.52	64.22	50.48	52.10	1.62	NA	2.50	14.00	3311.80	
RW-8	01/02/14	3362.52	64.22	50.28	52.15	1.87	NA	NA	NA	3311.96	50 GAL
RW-8	01/09/14	3362.52	64.22	50.17	51.99	1.82	NA	NA	NA	3312.08	50 GAL
RW-8	01/15/14	3362.52	64.22	50.23	51.95	1.72	NA	NA	NA	3312.03	
RW-8	01/22/14	3362.52	64.22	50.16	51.91	1.75	NA	NA	NA	3312.10	
RW-8	01/30/14	3362.52	64.22	50.12	51.91	1.79	NA	10.00	40.00	3312.13	
RW-8	02/05/14	3362.52	64.22	50.25	51.95	1.70	NA	25.00	75.00	3312.02	
RW-8	02/06/14	3362.52	64.22	50.25	51.77	1.52	NA	12.50	37.50	3312.04	
RW-8	02/13/14	3362.52	64.22	50.2	51.73	1.53	NA	15.00	35.00	3312.09	
RW-8	02/20/14	3362.52	64.22	50.21	51.81	1.60	NA	7.50	22.50	3312.07	
RW-8	02/26/14	3362.52	64.22	50.21	51.71	1.50	NA	15.00	35.00	3312.09	
RW-8	03/05/14	3362.52	64.22	50.24	51.91	1.67	NA	15.00	35.00	3312.03	
RW-8	03/18/14	3362.52	64.22	50.17	51.83	1.66	NA	15.00	35.00	3312.10	
RW-8	04/02/14	3362.52	64.22	50.22	51.84	1.62	NA	15.00	35.00	3312.06	
RW-8	04/09/14	3362.52	64.22	50.18	51.81	1.63	NA	15.00	60.00	3312.10	
RW-8	04/15/14	3362.52	64.22	50.24	51.75	1.51	NA	15.00	35.00	3312.05	
RW-8	04/23/14	3362.52	64.22	50.3	51.75	1.45	NA	13.00	22.00	3312.00	
RW-8	05/04/14	3362.52	64.22	50.18	51.81	1.63	NA	3.00	17.00	3312.10	
RW-8	05/07/14	3362.52	64.22	50.25	50.78	0.53	NA	2.00	38.00	3312.19	
RW-8	05/16/14	3362.52	64.22	50.19	51.98	1.79	NA	10.00	30.00	3312.06	
RW-8	05/20/14	3362.52	64.22	50.22	51.76	1.54	NA	10.00	30.00	3312.07	
RW-8	06/03/14	3362.52	64.22	50.23	51.98	1.75	NA	10.00	30.00	3312.03	
RW-8	06/19/14	3362.52	64.22	50.27	51.93	1.66	NA	15.00	25.00	3312.00	
RW-8	06/25/14	3362.52	64.22	50.3	51.52	1.22	NA	15.00	25.00	3312.04	
RW-8	07/09/14	3362.52	64.22	50.3	51.96	1.66	NA	15.00	35.00	3311.97	
RW-8	07/16/14	3362.52	64.22	50.31	51.91	1.60	NA	15.00	35.00	3311.97	
RW-8	07/23/14	3362.52	64.22	50.36	51.85	1.49	NA	13.00	37.00	3311.94	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-8	07/29/14	3362.52	64.22	50.4	51.65	1.25	NA	13.00	37.00	3311.93	
RW-8	08/12/14	3362.52	64.22	50.36	52.11	1.75	NA	13.00	37.00	3311.90	
RW-8	08/21/14	3362.52	64.22	50.36	51.95	1.59	NA	NA	NA	3311.92	
RW-8	08/27/14	3362.52	64.22	50.4	52.13	1.73	NA	5.00	15.00	3311.86	
RW-8	09/03/14	3362.52	64.22	50.39	52.10	1.71	NA	NA	NA	3311.87	
RW-8	09/09/14	3362.52	64.22	50.41	51.48	1.07	NA	10.00	20.00	3311.95	
RW-8	09/17/14	3362.52	68.34	50.47	51.68	1.21	NA	50.00	100.00	3311.87	
RW-8	09/29/14	3362.52	68.34	50.37	51.88	1.51	NA	NA	NA	3311.92	
RW-8	10/15/14	3362.52	68.34	50.49	51.73	1.24	NA	NA	NA	3311.84	
RW-8	10/29/14	3362.52	68.34	50.43	51.64	1.21	NA	10.00	40.00	3311.91	
RW-8	11/04/14	3362.52	68.34	50.38	51.51	1.13	NA	2.00	18.00	3311.97	
RW-8	11/12/14	3362.52	68.34	50.51	51.60	1.09	NA	10.00	40.00	3311.85	
RW-8	11/18/14	3362.52	68.34	50.41	51.50	1.09	NA	5.00	35.00	3311.95	
RW-8	11/25/14	3362.52	68.34	50.32	51.36	1.04	NA	2.00	13.00	3312.04	
RW-8	12/17/14	3362.52	68.34	50.35	51.60	1.25	NA	1.00	9.00	3311.98	
RW-8	12/22/14	3362.52	68.34	50.38	51.51	1.13	NA	1.00	9.00	3311.97	
RW-8	12/29/14	3362.52	68.34	50.4	50.55	0.15	NA	2.00	18.00	3312.10	
RW-8	01/08/15	3362.52	68.34	50.35	51.45	1.10	NA	10.00	20.00	3312.01	
RW-8	01/14/15	3362.52	68.34	50.75	51.60	0.85	NA	10.00	40.00	3311.64	
RW-8	01/21/15	3362.52	68.34	50.44	51.60	1.16	NA	10.00	20.00	3311.91	
RW-8	01/28/15	3362.52	68.34	50.43	51.70	1.27	NA	20.00	30.00	3311.90	
RW-8	02/06/15	3362.52	68.34	50.45	51.63	1.18	NA	15.00	35.00	3311.89	
RW-8	02/10/15	3362.52	68.34	50.44	51.61	1.17	NA	15.00	35.00	3311.90	
RW-8	02/17/15	3362.52	68.34	50.46	51.51	1.05	NA	NA	NA	3311.90	
RW-8	02/25/15	3362.52	68.34	50.41	51.58	1.17	NA	5.00	20.00	3311.93	
RW-8	03/05/15	3362.52	68.34	50.57	51.78	1.21	NA	15.00	35.00	3311.77	
RW-8	03/11/15	3362.52	68.34	50.5	51.71	1.21	NA	15.00	35.00	3311.84	
RW-8	03/23/15	3362.52	68.34	50.45	51.60	1.15	NA	10.00	40.00	3311.90	
RW-8	03/31/15	3362.52	68.34	50.44	51.68	1.24	NA	10.00	40.00	3311.89	
RW-8	04/07/15	3362.52	68.34	50.46	51.60	1.14	NA	10.00	40.00	3311.89	
RW-8	04/15/15	3362.52	68.34	50.44	51.60	1.16	NA	10.00	40.00	3311.91	
RW-8	04/21/15	3362.52	68.34	50.46	51.59	1.13	NA	10.00	40.00	3311.89	
RW-8	04/29/15	3362.52	68.34	50.48	51.50	1.02	NA	10.00	40.00	3311.89	
RW-8	05/06/15	3362.52	68.34	50.5	51.30	0.80	NA	10.00	40.00	3311.90	
RW-8	05/27/15	3362.52	68.34	50.52	51.42	0.90	NA	10.00	40.00	3311.87	
RW-8	06/04/15	3362.52	68.34	50.51	51.32	0.81	NA	10.00	40.00	3311.89	
RW-8	06/09/15	3362.52	68.34	50.52	51.35	0.83	NA	15.00	35.00	3311.88	
RW-8	06/16/15	3362.52	68.34	50.66	51.38	0.72	NA	NA	NA	3311.75	sampled
RW-8	07/01/15	3362.52	68.34	50.53	51.31	0.78	NA	10.00	20.00	3311.87	
RW-8	07/08/15	3362.52	68.34	50.56	51.44	0.88	NA	10.00	20.00	3311.83	
RW-8	07/14/15	3362.52	68.34	50.54	51.41	0.87	NA	10.00	20.00	3311.85	
RW-8	07/21/15	3362.52	68.34	50.52	51.30	0.78	NA	10.00	30.00	3311.88	
RW-8	07/28/15	3362.52	68.34	nd	ng	nd	NA	10.00	40.00	ng	interface malfunction
RW-8	08/05/15	3362.52	68.34	50.6	51.37	0.77	NA	10.00	40.00	3311.80	
RW-8	08/12/15	3362.52	68.34	50.64	51.37	0.73	NA	10.00	30.00	3311.77	
RW-8	08/20/15	3362.52	68.34	50.64	51.33	0.69	NA	10.00	40.00	3311.78	
RW-8	08/26/15	3362.52	68.34	50.64	61.36	10.72	NA	NA	NA	3310.27	
RW-8	09/01/15	3362.52	68.34	50.65	51.41	0.76	NA	10.00	40.00	3311.76	
RW-8	09/10/15	3362.52	68.34	50.65	51.42	0.77	NA	10.00	40.00	3311.75	
RW-8	09/16/15	3362.52	68.34	50.65	51.40	0.75	NA	10.00	40.00	3311.76	
RW-8	09/28/15	3362.52	68.34	50.04	51.55	1.51	NA	10.00	40.00	3312.25	
RW-8	10/06/15	3362.52	68.34	50.7	51.78	1.08	NA	10.00	40.00	3311.66	
RW-8	10/13/15	3362.52	68.34	50.7	51.45	0.75	NA	10.00	40.00	3311.71	
RW-8	10/20/15	3362.52	68.34	50.66	51.35	0.69	NA	10.00	40.00	3311.76	
RW-8	10/28/15	3362.52	68.34	50.76	51.51	0.75	NA	10.00	40.00	3311.65	
RW-8	11/03/15	3362.52	68.34	50.68	51.41	0.73	NA	10.00	40.00	3311.73	
RW-8	11/12/15	3362.52	68.34	50.7	51.48	0.78	NA	10.00	40.00	3311.70	
RW-8	11/17/15	3362.52	68.34	50.62	51.35	0.73	NA	NA	NA	3311.79	
RW-8	11/24/15	3362.52	68.34	50.65	51.42	0.77	NA	10.00	40.00	3311.75	
RW-8	12/09/15	3362.52	68.34	50.62	51.38	0.76	NA	10.00	40.00	3311.79	
RW-8	12/15/15	3362.52	68.34	50.59	51.37	0.78	NA	10.00	40.00	3311.81	
RW-8	12/31/15	3362.52	68.34	50.63	51.44	0.81	NA	10.00	40.00	3311.77	
RW-8	01/05/16	3362.52	68.34	50.57	51.36	0.79	NA	1.00	49.00	3311.83	
RW-8	01/19/16	3362.52	68.34	50.57	51.35	0.78	NA	2.00	48.00	3311.83	
RW-8	01/26/16	3362.52	68.34	50.62	51.44	0.82	NA	5.00	45.00	3311.78	
RW-8	02/02/16	3362.52	68.34	50.52	51.33	0.81	NA	5.00	45.00	3311.88	
RW-8	02/09/16	3362.52	68.34	50.58	51.24	0.66	NA	5.00	45.00	3311.84	
RW-8	02/17/16	3362.52	68.34	50.53	51.23	0.70	NA	5.00	45.00	3311.89	
RW-8	02/24/16	3362.52	68.34	50.59	51.38	0.79	NA	5.00	45.00	3311.81	
RW-8	03/01/16	3362.52	68.34	50.59	51.23	0.64	NA	5.00	15.00	3311.83	
RW-8	03/08/16	3362.52	68.34	50.5	51.11	0.61	NA	NA	NA	3311.93	
RW-8	03/15/16	3362.52	68.34	50.55	51.26	0.71	NA	5.00	45.00	3311.86	
RW-8	03/22/16	3362.52	68.34	50.48	51.11	0.63	NA	1.00	49.00	3311.95	
RW-8	03/29/16	3362.52	68.34	50.47	51.10	0.63	NA	1.00	49.00	3311.96	
RW-8	04/05/16	3362.52	68.34	50.49	51.10	0.61	NA	1.00	49.00	3311.94	
RW-8	04/12/16	3362.52	68.34	50.59	50.62	0.03	NA	1.00	49.00	3311.93	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-8	04/20/16	3362.52	68.34	50.47	51.06	0.59	NA	1.00	49.00	3311.96	
RW-8	04/27/16	3362.52	68.34	50.44	50.96	0.52	NA	1.00	49.00	3312.00	
RW-8	05/05/16	3362.52	68.34	50.45	50.95	0.50	NA	2.00	48.00	3312.00	
RW-8	05/12/16	3362.52	68.34	50.45	50.99	0.54	NA	2.00	48.00	3311.99	
RW-8	05/17/16	3362.52	68.34	50.45	51.00	0.55	NA	3.00	62.00	3311.99	
RW-8	05/26/16	3362.52	68.34	50.38	50.86	0.48	NA	2.00	48.00	3312.07	
RW-8	06/02/16	3362.52	68.34	50.44	50.96	0.52	NA	2.00	38.00	3312.00	
RW-8	06/10/16	3362.52	68.34	50.44	50.90	0.46	NA	2.00	38.00	3312.01	
RW-8	06/23/16	3362.52	68.34	50.4	50.87	0.47	NA	2.00	38.00	3312.05	
RW-8	06/27/16	3362.52	68.34	50.44	50.95	0.51	NA	2.00	38.00	3312.00	
RW-8	07/06/16	3362.52	68.34	50.39	50.93	0.54	NA	2.00	38.00	3312.05	
RW-8	07/15/16	3362.52	68.34	50.45	51.00	0.55	NA	2.00	38.00	3311.99	
RW-8	07/21/16	3362.52	68.34	50.49	50.98	0.49	NA	2.00	28.00	3311.96	
RW-8	07/26/16	3362.52	68.34	50.44	50.97	0.53	NA	2.00	48.00	3312.00	
RW-8	08/02/16	3362.52	68.34	50.45	51.06	0.61	NA	3.00	47.00	3311.98	
RW-8	08/08/16	3362.52	68.34	50.4	50.92	0.52	NA	5.00	65.00	3312.04	
RW-8	08/16/16	3362.52	68.34	50.44	50.92	0.48	NA	2.00	73.00	3312.01	
RW-8	08/23/16	3362.52	68.34	50.44	50.97	0.53	NA	3.00	72.00	3312.00	
RW-8	08/31/16	3362.52	68.34	50.47	51.04	0.57	NA	2.00	28.00	3311.96	
RW-8	09/07/16	3362.52	68.34	50.46	51.02	0.56	NA	3.00	47.00	3311.98	
RW-8	09/19/16	3362.52	68.34	50.45	50.97	0.52	NA	NA	NA	3311.99	
RW-8	09/27/16	3362.52	68.34	50.41	50.93	0.52	NA	3.00	47.00	3312.03	
RW-8	10/04/16	3362.52	68.34	50.35	50.86	0.51	NA	3.00	47.00	3312.09	
RW-8	10/11/16	3362.52	68.34	50.38	50.90	0.52	NA	3.00	47.00	3312.06	
RW-8	10/18/16	3362.52	68.34	50.38	50.91	0.53	NA	3.00	47.00	3312.06	
RW-8	11/02/16	3362.52	68.34	50.37	50.88	0.51	NA	2.00	48.00	3312.07	
RW-8	11/08/16	3362.52	68.34	50.38	50.81	0.43	NA	2.00	48.00	3312.08	
RW-8	11/15/16	3362.52	68.34	50.31	50.72	0.41	NA	3.00	47.00	3312.15	
RW-8	11/22/16	3362.52	68.34	50.32	50.70	0.38	NA	2.00	48.00	3312.14	
RW-8	11/30/16	3362.52	68.34	50.39	50.92	0.53	NA	2.00	48.00	3312.05	
RW-8	12/07/16	3362.52	68.34	50.33	50.76	0.43	NA	2.00	48.00	3312.13	
RW-8	12/14/16	3362.52	68.34	50.33	50.75	0.42	NA	NA	NA	3312.13	
RW-8	12/22/16	3362.52	68.34	50.34	50.75	0.41	NA	2.00	48.00	3312.12	
RW-8	12/28/16	3362.52	68.34	50.32	50.75	0.43	NA	2.00	38.00	3312.14	
RW-8	01/04/17	3362.52	68.34	50.32	50.78	0.46	NA	2.00	48.00	3312.13	
RW-8	01/10/17	3362.52	68.34	50.28	50.80	0.52	NA	2.00	48.00	3312.16	
RW-8	01/17/17	3362.52	68.34	50.33	50.78	0.45	NA	2.00	48.00	3312.12	
RW-8	01/24/17	3362.52	68.34	50.25	50.70	0.45	NA	2.00	48.00	3312.20	
RW-8	01/31/17	3362.52	68.34	50.29	50.70	0.41	NA	3.00	47.00	3312.17	
RW-8	02/07/17	3362.52	68.34	50.28	50.65	0.37	NA	3.00	47.00	3312.18	
RW-8	02/14/17	3362.52	68.34	50.28	50.69	0.41	NA	2.00	48.00	3312.18	
RW-8	02/22/17	3362.52	68.34	50.22	50.60	0.38	NA	2.00	48.00	3312.24	
RW-8	03/07/17	3362.52	68.34	50.32	50.70	0.38	NA	3.00	47.00	3312.14	
RW-8	03/14/17	3362.52	68.34	50.25	50.76	0.51	NA	3.00	47.00	3312.19	
RW-8	03/21/17	3362.52	68.34	50.23	50.81	0.58	NA	3.00	22.00	3312.20	
RW-8	03/28/17	3362.52	68.34	50.18	50.74	0.56	NA	3.00	47.00	3312.26	
RW-8	04/04/17	3362.52	68.34	50.21	50.70	0.49	NA	3.00	47.00	3312.24	
RW-8	04/11/17	3362.52	68.34	50.28	50.75	0.47	NA	2.00	48.00	3312.17	
RW-8	04/18/17	3362.52	68.34	50.27	50.70	0.43	NA	2.00	48.00	3312.19	
RW-8	04/25/17	3362.52	68.34	50.25	50.80	0.55	NA	2.00	48.00	3312.19	
RW-8	05/02/17	3362.52	68.34	50.2	50.78	0.58	NA	2.00	48.00	3312.23	
RW-8	05/08/17	3362.52	68.34	50.2	50.49	0.29	NA	2.00	48.00	3312.28	sampled
RW-8	05/25/17	3362.52	68.34	50.29	50.76	0.47	NA	2.00	48.00	3312.16	
RW-8	06/01/17	3362.52	68.34	50.23	50.75	0.52	NA	2.00	48.00	3312.21	
RW-8	06/05/17	3362.52	68.34	50.2	50.60	0.40	NA	2.00	23.00	3312.26	
RW-8	06/13/17	3362.52	68.34	50.22	50.65	0.43	NA	2.00	23.00	3312.24	
RW-8	06/20/17	3362.52	68.34	50.26	50.66	0.40	NA	2.00	48.00	3312.20	
RW-8	06/27/17	3362.52	68.34	50.24	50.70	0.46	NA	2.00	48.00	3312.21	
RW-8	07/06/17	3362.52	68.34	50.28	50.75	0.47	NA	2.00	48.00	3312.17	
RW-8	07/11/17	3362.52	68.34	50.22	50.73	0.51	NA	2.00	48.00	3312.22	
RW-8	07/18/17	3362.52	68.34	50.28	50.76	0.48	NA	2.00	18.00	3312.17	
RW-8	07/25/17	3362.52	68.34	50.22	50.70	0.48	NA	2.00	23.00	3312.23	
RW-8	08/01/17	3362.52	68.34	50.29	50.72	0.43	NA	2.00	23.00	3312.17	
RW-8	08/08/17	3362.52	68.34	50.25	50.70	0.45	NA	2.00	23.00	3312.20	
RW-8	08/15/17	3362.52	68.34	50.28	50.70	0.42	NA	2.00	23.00	3312.18	
RW-8	08/22/17	3362.52	68.34	50.3	50.78	0.48	NA	2.00	23.00	3312.15	
RW-8	08/30/17	3362.52	68.34	50.31	50.76	0.45	NA	2.00	23.00	3312.14	
RW-8	09/07/17	3362.52	68.34	50.35	50.78	0.43	NA	2.00	23.00	3312.11	
RW-8	09/14/17	3362.52	68.34	50.3	50.75	0.45	NA	NA	NA	3312.15	
RW-8	09/27/17	3362.52	68.34	50.25	50.65	0.40	NA	2.00	23.00	3312.21	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-8	10/04/17	3362.52	68.34	50.27	50.70	0.43	NA	2.00	23.00	3312.19	
RW-8	10/12/17	3362.52	68.34	50.3	50.71	0.41	NA	2.00	23.00	3312.16	
RW-8	10/18/17	3362.52	68.34	50.36	50.75	0.39	NA	2.00	23.00	3312.10	
RW-8	10/26/17	3362.52	68.34	50.3	50.70	0.40	NA	2.00	23.00	3312.16	
RW-8	11/01/17	3362.52	68.34	50.28	50.60	0.32	NA	2.00	23.00	3312.19	
RW-8	11/09/17	3362.52	68.34	50.25	50.68	0.43	NA	2.00	23.00	3312.21	
RW-8	11/16/17	3362.52	68.34	50.16	50.54	0.38	NA	2.00	23.00	3312.30	
RW-8	11/28/17	3362.52	68.34	50.2	50.60	0.40	NA	NA	NA	3312.26	
RW-8	12/06/17	3362.52	68.34	50.13	51.38	1.25	NA	2.00	23.00	3312.20	
RW-8	12/13/17	3362.52	68.34	50.08	50.58	0.50	NA	2.00	23.00	3312.37	
RW-8	01/03/18	3362.52	68.34	50.08	50.55	0.47	NA	2.00	23.00	3312.37	
RW-8	01/10/18	3362.52	68.34	50.02	50.41	0.39	NA	2.00	23.00	3312.44	
RW-8	01/17/18	3362.52	68.34	50.12	50.54	0.42	NA	4.00	21.00	3312.34	
RW-8	01/25/18	3362.52	68.34	49.98	50.39	0.41	NA	6.00	14.00	3312.48	
RW-8	02/01/18	3362.52	68.34	49.49	50.35	0.86	NA	3.00	22.00	3312.90	
RW-8	02/14/18	3362.52	68.34	49.94	50.29	0.35	NA	3.00	22.00	3312.53	
RW-8	02/21/18	3362.52	68.34	49.96	50.35	0.39	NA	0.50	24.50	3312.50	
RW-8	02/28/18	3362.52	68.34	49.88	50.20	0.32	NA	1.00	24.00	3312.59	
RW-8	03/06/18	3362.52	68.34	49.95	50.76	0.81	NA	NA	NA	3312.45	
RW-8	03/15/18	3362.52	68.34	49.91	50.49	0.58	NA	3.00	22.00	3312.52	
RW-8	03/22/18	3362.52	68.34	49.98	50.50	0.52	NA	2.00	23.00	3312.46	
RW-8	03/28/18	3362.52	68.34	50.04	50.21	0.17	NA	2.00	23.00	3312.45	
RW-8	04/04/18	3362.52	68.34	49.99	50.26	0.27	NA	2.00	23.00	3312.49	
RW-8	04/11/18	3362.52	68.34	49.98	50.28	0.30	NA	2.00	23.00	3312.50	
RW-8	04/19/18	3362.52	68.34	50.04	50.31	0.27	NA	2.00	23.00	3312.44	
RW-8	04/24/18	3362.52	68.34	49.98	50.26	0.28	NA	2.00	23.00	3312.50	
RW-8	05/02/18	3362.52	68.34	49.87	50.28	0.41	NA	3.00	22.00	3312.59	
RW-8	05/09/18	3362.52	68.34	49.90	50.26	0.36	NA	3.00	22.00	3312.57	
RW-8	05/15/18	3362.52	68.34	49.85	50.26	0.41	NA	3.00	22.00	3312.61	
RW-8	05/22/18	3362.52	68.34	49.84	50.21	0.37	NA	2.00	23.00	3312.62	
RW-8	05/30/18	3362.52	68.34	49.87	50.11	0.24	NA	2.00	23.00	3312.61	
RW-8	06/12/18	3362.52	68.34	49.85	50.15	0.30	NA	2.00	23.00	3312.63	sampled
RW-8	06/19/18	3362.52	68.34	49.88	50.11	0.23	NA	3.00	22.00	3312.61	
RW-8	06/29/18	3362.52	68.34	49.91	50.09	0.18	NA	3.00	22.00	3312.58	
RW-8	07/05/18	3362.52	68.34	49.86	50.33	0.47	NA	2.00	13.00	3312.59	
RW-8	07/11/18	3362.52	68.34	49.9	50.28	0.38	NA	2.00	23.00	3312.56	
RW-8	07/18/18	3362.52	68.34	49.82	50.14	0.32	NA	2.00	23.00	3312.65	
RW-8	07/26/18	3362.52	68.34	49.88	50.30	0.42	NA	2.00	23.00	3312.58	
RW-8	07/26/18	3362.52	68.34	49.9	50.28	0.38	NA	2.00	23.00	3312.56	
RW-8	08/07/18	3362.52	68.34	49.86	50.23	0.37	NA	3.00	22.00	3312.60	
RW-8	08/14/18	3362.52	68.34	49.81	50.23	0.42	NA	2.00	23.00	3312.65	
RW-8	08/21/18	3362.52	68.34	49.8	50.26	0.46	NA	3.00	22.00	3312.65	
RW-8	08/30/18	3362.52	68.34	49.91	50.22	0.31	NA	2.00	23.00	3312.56	
RW-8	09/05/18	3362.52	68.34	49.88	50.21	0.33	NA	2.00	23.00	3312.59	
RW-8	09/18/18	3362.52	68.34	49.78	50.24	0.46	NA	2.00	23.00	3312.67	
RW-8	09/26/18	3362.52	68.34	49.88	50.31	0.43	NA	3.00	22.00	3312.58	
RW-8	10/03/18	3362.52	68.34	49.91	50.36	0.45	NA	3.00	22.00	3312.54	
RW-8	10/11/18	3362.52	68.34	49.85	50.29	0.44	NA	3.00	22.00	3312.60	
RW-8	10/17/18	3362.52	68.34	49.65	49.94	0.29	NA	3.00	22.00	3312.83	
RW-8	10/24/18	3362.52	68.34	49.85	50.16	0.31	NA	2.00	23.00	3312.62	
RW-8	10/31/18	3362.52	68.34	49.88	50.09	0.21	NA	3.00	22.00	3312.61	
RW-8	11/06/18	3362.52	68.34	49.72	50.06	0.34	NA	3.00	22.00	3312.75	
RW-8	11/13/18	3362.52	68.34	49.9	50.11	0.21	NA	3.00	22.00	3312.59	
RW-8	11/21/18	3362.52	68.34	49.69	49.90	0.21	NA	2.00	23.00	3312.80	
RW-8	11/27/18	3362.52	68.34	49.72	49.98	0.26	NA	2.00	23.00	3312.76	
RW-8	12/07/18	3362.52	68.34	49.72	49.94	0.22	NA	3.00	22.00	3312.77	
RW-8	12/12/18	3362.52	68.34	49.75	49.99	0.24	NA	2.00	23.00	3312.73	
RW-8	12/18/18	3362.52	68.34	49.78	49.96	0.18	NA	3.00	22.00	3312.71	
RW-8	01/03/19	3362.52	68.34	49.87	50.28	0.41	NA	3.00	22.00	3312.59	
RW-8	01/08/19	3362.52	68.34	49.82	49.99	0.17	NA	3.00	22.00	3312.67	
RW-8	01/29/19	3362.52	68.34	49.6	49.74	0.14	NA	sheen	20.00	3312.90	
RW-8	02/05/19	3362.52	68.34	49.19	49.97	0.78	NA	0.50	19.50	3313.21	
RW-8	02/12/19	3362.52	68.34	49.68	49.81	0.13	NA	2.00	23.00	3312.82	
RW-8	02/27/19	3362.52	68.34	49.7	49.86	0.16	NA	2.00	23.00	3312.80	
RW-8	03/06/19	3362.52	68.34	49.76	49.96	0.20	NA	2.00	23.00	3312.73	
RW-8	03/12/19	3362.52	68.34	49.76	49.99	0.23	NA	2.00	23.00	3312.73	
RW-8	03/21/19	3362.52	68.34	49.79	50.03	0.24	NA	2.00	23.00	3312.69	
RW-8	03/28/19	3362.52	68.34	49.78	50.01	0.23	NA	2.00	23.00	3312.71	
RW-8	04/02/19	3362.52	68.34	49.8	50.05	0.25	NA	2.00	23.00	3312.68	
RW-8	04/10/19	3362.52	68.34	49.72	50.00	0.28	NA	2.00	23.00	3312.76	
RW-8	04/16/19	3362.52	68.34	49.71	50.04	0.33	NA	2.00	23.00	3312.76	
RW-8	04/24/19	3362.52	68.34	49.72	50.01	0.29	NA	2.00	23.00	3312.76	
RW-8	05/01/19	3362.52	68.34	49.42	49.61	0.19	NA	2.00	23.00	3313.07	

TABLE 2
Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Date Measured	Top of Casing Elevation (ft)	Total Depth (ft)	Depth to Product (ft)	Depth to Water (ft)	PSH Thickness (ft)	Recovery Method	Recovery		Corrected Groundwater Elevation (ft)	Comments
								PSH	H_2O		
RW-8	05/08/19	3362.52	68.34	49.46	49.61	0.15	NA	2.00	23.00	3313.04	
RW-8	05/17/19	3362.52	68.34	49.51	49.68	0.17	NA	2.00	23.00	3312.98	
RW-8	05/24/19	3362.52	68.34	49.55	49.67	0.12	NA	2.00	23.00	3312.95	
RW-8	06/05/19	3362.52	68.34	49.59	49.73	0.14	NA	2.00	23.00	3312.91	
RW-8	06/14/19	3362.52	68.34	49.45	49.46	0.01	NA	sheen	10.00	3313.07	
RW-8	06/20/19	3362.52	68.34	49.62	49.70	0.08	NA	2.00	23.00	3312.89	
RW-8	06/25/19	3362.52	68.34	49.49	49.63	0.14	NA	0.25	10.00	3313.01	
RW-8	07/02/19	3362.52	68.34	49.51	49.53	0.02	NA	0.25	24.75	3313.01	
RW-8	07/10/19	3362.52	68.34	49.5	49.52	0.02	NA	sheen	10.00	3313.02	
RW-8	07/26/19	3362.52	68.34	49.46	49.50	0.04	NA	0.25	9.75	3313.05	
RW-8	08/11/19	3362.52	68.34	49.46	49.57	0.11	NA	0.25	1.75	3313.04	
RW-8	08/14/19	3362.52	68.34	49.48	49.53	0.05	NA	sheen	10.00	3313.03	
RW-8	08/21/19	3362.52	68.34	49.49	49.50	0.01	NA	sheen	25.00	3313.03	
RW-8	09/06/19	3362.52	68.34	49.46	49.60	0.14	NA	0.25	9.75	3313.04	
RW-8	09/12/19	3362.52	68.34	ND	49.58	ND	NA	NA	NA	3312.94	
RW-8	09/19/19	3362.52	68.34	ND	48.52	ND	NA	NA	NA	3314.00	
RW-8	09/26/19	3362.52	68.34	49.88	50.10	0.22	NA	3.00	22.00	3312.61	
RW-8	10/16/19	3362.52	68.34	49.48	49.51	0.03	NA	sheen	10.00	3313.04	
RW-8	10/23/19	3362.52	68.34	49.45	49.50	0.05	NA	2.00	23.00	3313.06	
RW-8	10/31/19	3362.52	68.34	49.55	49.62	0.07	NA	sheen	10.00	3312.96	
RW-8	11/05/19	3362.52	68.34	49.42	49.44	0.02	NA	NA	NA	3313.10	
RW-8	11/14/19	3362.52	68.34	49.58	49.60	0.02	NA	sheen	10.00	3312.94	
RW-8	11/26/19	3362.52	68.34	49.38	49.41	0.03	NA	sheen	10.00	3313.14	
RW-8	12/03/19	3362.52	68.34	49.39	49.40	0.01	NA	sheen	10.00	3313.13	
RW-8	12/13/19	3362.52	68.34	49.35	49.40	0.05	NA	NA	NA	3313.16	MDPE
RW-8	12/20/19	3362.52	68.34	ND	49.42	ND	NA	3.00	22.00	3313.10	
RW-8	12/26/19	3362.52	68.34	ND	49.40	ND	NA	2.00	23.00	3313.12	0.24
RW-8	01/02/20	3362.52	68.34	49.45	49.47	0.02	NA	sheen	10.00	3313.07	
RW-8	01/09/20	3362.52	68.34	ND	49.35	ND	NA	NA	NA	3313.17	
RW-8	01/14/20	3362.52	68.34	ND	49.37	ND	NA	NA	10.00	3313.15	
RW-8	01/31/20	3362.52	68.34	sheen	49.32	sheen	NA	sheen	10.00	3313.20	
RW-8	02/07/20	3362.52	68.34	sheen	49.32	sheen	NA	sheen	10.00	3313.20	
RW-8	02/12/20	3362.52	68.34	sheen	49.28	sheen	NA	sheen	10.00	3313.24	
RW-8	02/19/20	3362.52	68.34	49.32	49.35	0.03	NA	sheen	10.00	3313.20	
RW-8	02/26/20	3362.52	68.34	49.37	49.41	0.04	NA	sheen	10.00	3313.14	
RW-8	03/05/20	3362.52	68.34	49.37	49.41	0.04	NA	sheen	10.00	3313.14	
RW-8	03/11/20	3362.52	68.34	49.33	49.35	0.02	NA	sheen	10.00	3313.19	
RW-8	03/17/20	3362.52	68.34	49.23	49.24	0.01	NA	sheen	10.00	3313.29	
RW-8	03/23/20	3362.52	68.34	49.24	49.26	0.02	NA	sheen	10.00	3313.28	
RW-8	05/07/20	3362.52	68.34	49.20	49.24	0.04	NA	NA	NA	3313.31	guage only
RW-8	05/20/20	3362.52	68.34	49.13	49.20	0.07	NA	0.25	9.75	3313.38	
RW-8	06/03/20	3362.52	68.34	49.11	49.17	0.06	NA	0.25	9.75	3313.40	
RW-8	06/16/20	3362.52	68.34	sheen	49.20	sheen	NA	sheen	10.00	3313.32	
RW-8	07/14/20	3362.52	68.34	49.12	49.21	0.09	NA	0.25	9.75	3313.39	
RW-8	08/18/20	3362.52	68.34	49.13	49.30	0.17	NA	0.50	9.50	3313.36	
RW-8	09/16/20	3362.52	68.34	48.15	48.22	0.07	NA	0.25	9.75	3314.36	
RW-8	10/08/20	3362.52	68.34	49.21	49.22	0.01	NA	sheen	10.00	3313.31	
RW-8	11/20/20	3362.52	68.34	49.13	49.28	0.15	NA	0.25	9.75	3313.37	
RW-8	12/04/20	3362.52	68.34	49.10	50.19	1.09	NA	3.50	21.50	3313.26	
RW-8	12/22/20	3362.52	68.34	49.18	50.00	0.82	NA	2.00	23.00	3313.22	

Wells re-surveyed in November 2006, RW-2 used as bench mark (3362.00 ft)

NA: Not applicable
ND: Not detected
NG: Not gauged
* Possible error in field reading, corrected and noted as such in field notes

Received by OCD: 3/24/2022 2:51:48 PM

Appendix D

MDPE Report

Released to Imaging: 8/3/2022 2:37:22 PM



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TALON LPE

MOBILE DUAL PHASE EXTRACTION REPORT
VACUUM TO JAL 14 INCH MAINLINE 5 PIPELINE RELEASE
LEA COUNTY, NEW MEXICO
SRS # 2003-00134
NMOCD#1R-0464
2021 MDPE Events

PREPARED FOR:
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333 CLAY STREET
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HOUSTON, TEXAS 77002

PREPARED BY:
TALON/LPE
921 N. BIVINS
AMARILLO, TEXAS 79107

DISTRIBUTION:
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COPY 2 - PLAINS MARKETING, L.P. – HOUSTON

January 24, 2022

TABLE OF CONTENTS

Section Page

Attachments:

I. MDPE SUMMARY REPORT AND WASTE DISPOSITION

A. MDPE Results

The following report summarizes data collected during the 12-hour High Vacuum Multi-Phase Extraction (MDPE) events conducted during 2021 at the Vacuum to Jal 14 Inch Mainline 5 Pipeline release site, located in Lea County, New Mexico. The objective of the MDPE treatments was to remove both vapor and liquid phase separated hydrocarbons (PSH) from onsite groundwater wells. Talon/LPE utilized an MDPE unit which consisted of a Soil Vapor Extraction (SVE) pump capable of generating vacuum up to 25 inHg. Off-gas vapors extracted from the extraction wells were destroyed using a propane-fired 1000-SCFM thermal oxidizer capable of processing 172.96 lbs/hr of gasoline.

A total of 36 hours of PSH recovery was performed on RW-8.

Prior to and immediately following the events, the groundwater wells were gauged for groundwater elevation and PSH. Depth to groundwater ranges were measured in feet below the top of casing. Refer to Attachment 1 for a summary of data collected during the MDPE events.

The volume of PSH removed during the MDPE events is shown to reflect the portions of PSH in the liquid phase and as off-gas vapor. Air removal rates were calculated from velocity measurements recorded at the influent manifold prior to entry into the MDPE unit. PSH recovery and air flow data has been detailed and is contained in Table 1 through Table 3. Influent air samples were collected over the course of the events. These samples were submitted for laboratory testing in order to compare the predicted vapor concentrations (based on field-screening or calculated based on fuel consumption) to the actual vapor concentrations. All influent samples were tested for Total-Gas Analysis (Hydrocarbon Composition) by GPA 2261-C6+. Laboratory analytical results can be found in Attachment 2.

Based on a combination of field vapor screening and collected laboratory samples, a combined estimated total of **43.44 equivalent gallons of PSH (Total)** were removed during the event. The combined volume of PSH was comprised of approximately **30 gallons of PSH (liquid phase)** and approximately **13.44 gallons as off-gas vapor**. The calculations used to estimate the off-gas vapor mass recovered reflect the mass of total hydrocarbons recovered and does not necessarily equate to an equal mass of the product released. The mass recovery calculations may be affected by variations in the specific gravity of hydrocarbon released, age of release, activity of aerobic and/or anaerobic processes, and site specific geochemical factors.

The cumulative air flow measurements for the MDPE events were calculated using a combination of field data measurements and Preso® B+ manufacturer provided formulas. **Air flow rates extracted from the recovery wells averaged**

111.18 SCFM during the events.

B. Air Quality

Influent air samples were collected during the events. These samples were submitted for laboratory testing in order to compare the predicted vapor concentrations (based on field-screening or calculated based on fuel consumption) to the actual vapor concentrations. The maximum influent concentration was recorded as 7,130 ppmv for Hydrocarbon Composition. Laboratory analytical results can be found in Attachment 2.

C. Waste Management and Disposition

A cumulative total of 2,259 gallons of fluid were generated during the events. The fluids were temporarily transferred to an on-site storage tank prior to being transferred to an authorized disposal facility.

II. SYSTEM OPERATION DATA AND MASS RECOVERY CALCULATIONS

Formulae:

$$\text{Concentration (C\_mg/l)} = \frac{\text{C\_ppmv x Mol. wt. in mg(estimated) x 1000 x 0.000001}}{\text{0.0821 x Temp (K)}}$$

$$\text{Recovery Rate (lbs/hr)} = \frac{\text{(C\_mg/l) x 2.2 x (Flowrate) x 60 x 28.32}}{\text{1,000,000}}$$

Recovery (lbs) = (lbs/hr) x (hrs)

$$\text{Correction Factor (CF)} = \frac{\text{PID Reading(ppmv)}}{\text{PID Reading at Time of Laboratory Analysis}}$$

$$\frac{\text{8.34 lbs}}{\text{gallon water}} \times \text{0.82 average specific gravity of light crude (estimated)} = \frac{\text{6.84 lbs light crude}}{\text{gallon}}$$

Table 1
System Operation Data and Mass Recovery Calculations 3/31/21

Time	Period (hours)	Influent Temp. (°F)	Vacuum (inHg)	Vacuum (inH_20)	Differential pressure (inH_20)	Flow (SCFM)	FID Readings (ppm)	Lab Result (ppmv)	Assigned Lab Result (ppmv)	Correction Factor (CF)	Adjusted Lab Result (ppmv)	Adjusted Lab Result (mg/L)	Recovery (lbs/hr)	Recovery in Period (lbs)	Total Recovery (lbs)
19:15	1	68	18.0	244.96	21.3	102.12	50000	7130.00	7130.00	1.00	7130	8.42	3.21	3.21	3.21
20:15	1	64	18.0	244.96	20.9	101.54	50000	-	7130.00	1.00	7130	8.49	3.22	3.22	6.44
21:15	1	60	18.0	244.96	19.7	98.96	50000	-	7130.00	1.00	7130	8.55	3.16	3.16	9.60
22:15	1	58	18.0	244.96	18.2	95.30	50000	-	7130.00	1.00	7130	8.58	3.06	3.06	12.66
23:15	1	52	18.0	244.96	20.6	101.98	50000	-	7130.00	1.00	7130	8.69	3.31	3.31	15.97
0:15	1	50	18.0	244.96	21.3	103.90	50000	-	7130.00	1.00	7130	8.72	3.39	3.39	19.36
1:15	1	50	18.0	244.96	21.7	104.87	50000	-	5370.00	1.00	5370	6.54	2.56	2.56	21.92
2:15	1	50	18.0	244.96	21.5	104.39	50000	-	5370.00	1.00	5370	6.54	2.55	2.55	24.47
3:15	1	50	18.0	244.96	22.0	105.60	50000	-	5370.00	1.00	5370	6.54	2.58	2.58	27.06
4:15	1	50	18.0	244.96	22.3	106.31	50000	-	5370.00	1.00	5370	6.54	2.60	2.60	29.66
5:15	1	50	18.0	244.96	22.6	107.03	50000	5370.00	5370.00	1.00	5370	6.54	2.62	2.62	32.27
6:15	1	50	18.0	244.96	22.1	105.84	50000	-	5370.00	1.00	5370	6.54	2.59	2.59	34.86
Averages:		54.33	18.00	244.96	21.18	103.15	50000.00						Total	34.86	

PSH Mass Recovered in Vapor Phase = 5.10 gallons

FID maximum Concentration = 50,000 PPM

Ex: Conversion from ppmv to mg/L (influent 1)

Measured Conc.	Molecular Wt.	Pressure	Gas Constant	Temp.	Temp.	Conc.
(ppmv)	(Grams)	(atm)	(atm.liter/K.mole)	(F)	(K)	(C_mg/l)
7130	28.4129	1	0.0821	68	293	8.42159109

Inputs are the green values.
Calculated values are yellow.
Constants are purple values.
Outpus are the blue values.

Liquid-phase Hydrocarbon Recovery

∏ * r2 * h = volume

Total Hydrocarbon Recovery

PSH Mass Recovered in Vapor Phase =	34.86	lbs
	5.10	gallons
PSH Mass Recovered in Liquid Phase =	88.92	lbs
	13.00	gallons
TOTAL =	**123.78**	**lbs**
	18.10	**gallons**

Gallons removed determined at time of pick up

PSH Volume in Gallons=	13
PSH Mass in Pounds=	88.92

% Vol. Hydrocarbon to ppmv - Influent 1

Compound	Molecular Weight (g/mol)	% Vol	=	ppmv
Methane (CH4)	16.04	0.142		1420.00
Ethane (C2H6)	30.07	0		0.00
Propane (C3H8)	44.10	0		0.00
Iso-Butane (C4H10)	58.12	0		0.00
N-Butane (C4H10)	58.12	0		0.00
Iso-Pentane (C4H12)	72.15	0		0.00
N-Pentane (C5H12)	72.15	0		0.00
Hexane+ (C6H14)	93.19	0.571		5710.00
			Total	**7130.00**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10 % octanes

Molecular Weight Calculations

component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	97.6130
Methane (CH4)	16.0425	0.2520
Carbon Dioxide (CO2)	44.011	1.9610
Ethane (C2H6)	30.069	0.0000
Propane (C3H8)	44.0956	0.0000
Iso-Butane (C4H10)	58.1222	0.0000
N-Butane (C4H10)	58.1222	0.0000
Iso-Pentane (C4H12)	72.1488	0.0000
N-Pentane (C5H12)	72.1488	0.0000
Hexane+ (C6H14)	93.1887	0.1740
	Total	100
	Calculated MW	**28.4129**

% Vol. Hydrocarbon to ppmv - Influent 2

Compound	Molecular Weight (g/mol)	% Vol	=	ppmv
Methane (CH4)	16.04	0.06		600.00
Ethane (C2H6)	30.07	0		0.00
Propane (C3H8)	44.10	0		0.00
Iso-Butane (C4H10)	58.12	0		0.00
N-Butane (C4H10)	58.12	0		0.00
Iso-Pentane (C4H12)	72.15	0		0.00
N-Pentane (C5H12)	72.15	0		0.00
Hexane+ (C6H14)	93.19	0.477		4770.00
			Total	**5370.00**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10 % octanes, as such its (0.6*93.1887)+(0.3*100.2019)+(0.1*114.2285) = 97.3966

Molecular Weight Calculations

component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	98.4360
Methane (CH4)	16.0425	0.1060
Carbon Dioxide (CO2)	44.011	1.3130
Ethane (C2H6)	30.069	0.0000
Propane (C3H8)	44.0956	0.0000
Iso-Butane (C4H10)	58.1222	0.0000
N-Butane (C4H10)	58.1222	0.0000
Iso-Pentane (C4H12)	72.1488	0.0000
N-Pentane (C5H12)	72.1488	0.0000
Hexane+ (C6H14)	93.1887	0.1450
	Total	100
	Calculated MW	**28.3078**

Calculated MW= $\frac{\text{sum (individual component MW x their reported mol\%)}}{100}$

ppmv= **% Vol x 10,000**

Table 2
System Operation Data and Mass Recovery Calculations 6/30/21

Time	Period (hours)	Influent Temp. (°F)	Vacuum (inHg)	Vacuum (inH_20)	Differential pressure (inH_20)	Flow (SCFM)	PID Readings (ppm)	Lab Result (ppmv)	Assigned Lab Result (ppmv)	Correction Factor (CF)	Adjusted Lab Result (ppmv)	Adjusted Lab Result (mg/L)	Recovery (lbs/hr)	Recovery in Period (lbs)	Total Recovery (lbs)
6:30	1	74	18.0	244.96	25.4	110.88	152.2	3660	3660	1.00	3660	4.26	1.77	1.77	1.77
7:30	1	74	18.0	244.96	26.3	112.83	165.7	-	3660	1.09	3985	4.64	1.96	1.96	3.72
8:30	1	74	18.0	244.96	27.4	115.17	172.4	-	3660	1.13	4146	4.83	2.08	2.08	5.80
9:30	1	74	18.0	244.96	28.9	118.28	181.6	-	3660	1.19	4367	5.08	2.25	2.25	8.05
10:30	1	80	18.0	244.96	28.1	115.98	184.7	-	3660	1.21	4442	5.11	2.22	2.22	10.27
11:30	1	80	18.0	244.96	27.5	114.73	182.3	-	3660	1.20	4384	5.05	2.16	2.16	12.43
12:30	1	80	18.0	244.96	26.8	113.26	189.9	-	4300	0.93	3997	4.61	1.95	1.95	14.38
13:30	1	80	18.0	244.96	27.5	114.73	185.4	-	4300	0.91	3902	4.50	1.93	1.93	16.31
14:30	1	80	18.0	244.96	32.6	124.92	199.6	-	4300	0.98	4201	4.84	2.26	2.26	18.57
15:30	1	80	18.0	244.96	31.9	123.57	200.1	-	4300	0.98	4212	4.86	2.24	2.24	20.82
16:30	1	82	18.0	244.96	32.5	124.50	204.3	4300	4300	1.00	4300	4.94	2.30	2.30	23.11
17:30	1	82	18.0	244.96	32.7	124.88	203.9	-	4300	1.00	4292	4.93	2.30	2.30	25.42
Averages:		78.33	18.00	244.96	28.97	117.81	185.18						Total	25.42	
													PSH Mass Recovered in Vapor Phase =	3.72	gallons

Ex: Conversion from ppmv to mg/L (influent 1)

Measured Conc.	Molecular Wt.	Pressure	Gas Constant	Temp.	Temp.	Conc.
(ppmv)	(Grams)	(atm)	(atm.liter/K.mole)	(F)	(K)	(C_mg/l)
3660	28.3225	1	0.0821	74	296.333333	4.26077682

Inputs are the green values.
Calculated values are yellow.
Constants are purple values.
Outpus are the blue values.

Liquid-phase Hydrocarbon Recovery
∏ * r2 * h = volume

Total Hydrocarbon Recovery

PSH Mass Recovered in Vapor Phase =	25.42	lbs
	3.72	gallons
PSH Mass Recovered in Liquid Phase =	47.88	lbs
	7.00	gallons
TOTAL =	**73.30**	**lbs**
	10.72	**gallons**

Gallons removed determined at time of pick up

PSH Volume in Gallons=	7
PSH Mass in Pounds=	47.88

% Vol. Hydrocarbon to ppmv - Influent 1

Compound	Molecular Weight (g/mol)	% Vol	=	ppmv
Methane (CH4)	16.04	0.182		1820.00
Ethane (C2H6)	30.07	0		0.00
Propane (C3H8)	44.10	0		0.00
Iso-Butane (C4H10)	58.12	0		0.00
N-Butane (C4H10)	58.12	0		0.00
Iso-Pentane (C4H12)	72.15	0		0.00
N-Pentane (C5H12)	72.15	0		0.00
Hexane+ (C6H14)	93.19	0.184		1840.00
			Total	**3660.00**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10 % octanes

Molecular Weight Calculations

component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	97.6930
Methane (CH4)	16.0425	0.3220
Carbon Dioxide (CO2)	44.011	1.9290
Ethane (C2H6)	30.069	0.0000
Propane (C3H8)	44.0956	0.0000
Iso-Butane (C4H10)	58.1222	0.0000
N-Butane (C4H10)	58.1222	0.0000
Iso-Pentane (C4H12)	72.1488	0.0000
N-Pentane (C5H12)	72.1488	0.0000
Hexane+ (C6H14)	93.1887	0.0560
	Total	100
	Calculated MW	**28.3225**

% Vol. Hydrocarbon to ppmv - Influent 2

Compound	Molecular Weight (g/mol)	% Vol	=	ppmv
Methane (CH4)	16.04	0.233		2330.00
Ethane (C2H6)	30.07	0		0.00
Propane (C3H8)	44.10	0		0.00
Iso-Butane (C4H10)	58.12	0		0.00
N-Butane (C4H10)	58.12	0		0.00
Iso-Pentane (C4H12)	72.15	0		0.00
N-Pentane (C5H12)	72.15	0		0.00
Hexane+ (C6H14)	93.19	0.197		1970.00
			Total	**4300.00**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10 % octanes

Molecular Weight Calculations

component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	97.2800
Methane (CH4)	16.0425	0.4120
Carbon Dioxide (CO2)	44.011	2.2480
Ethane (C2H6)	30.069	0.0000
Propane (C3H8)	44.0956	0.0000
Iso-Butane (C4H10)	58.1222	0.0000
N-Butane (C4H10)	58.1222	0.0000
Iso-Pentane (C4H12)	72.1488	0.0000
N-Pentane (C5H12)	72.1488	0.0000
Hexane+ (C6H14)	93.1887	0.0600
	Total	100
	Calculated MW	**28.3653**

Calculated MW= $\frac{\text{sum (individual component MW x their reported mol\%)}}{100}$

ppmv= **% Vol x 10,000**

Table 3
System Operation Data and Mass Recovery Calculations 9/15/21

Time	Period (hours)	Influent Temp. (°F)	Vacuum (inHg)	Vacuum (inH_20)	Differential pressure (inH_20)	Flow (SCFM)	PID Readings (ppm)	Lab Result (ppmv)	Assigned Lab Result (ppmv)	Correction Factor (CF)	Adjusted Lab Result (ppmv)	Adjusted Lab Result (mg/L)	Recovery (lbs/hr)	Recovery in Period (lbs)	Total Recovery (lbs)
9:00	1	88	18.0	244.96	35.2	128.85	460.1	6250.00	6250.00	1.00	6250	7.12	3.43	3.43	3.43
10:00	1	92	18.0	244.96	31.4	121.26	515.7	-	6250.00	1.12	7005	7.92	3.59	3.59	7.02
11:00	1	96	18.0	244.96	26.3	110.58	519.1	-	6250.00	1.13	7051	7.91	3.27	3.27	10.29
12:00	1	96	18.0	244.96	26.0	109.94	532.4	-	6250.00	1.16	7232	8.11	3.34	3.34	13.62
13:00	1	98	18.0	244.96	26.1	109.96	565.7	-	6250.00	1.23	7684	8.59	3.53	3.53	17.15
14:00	1	98	18.0	244.96	25.8	109.32	582.3	-	6250.00	1.27	7910	8.84	3.61	3.61	20.77
15:00	1	96	18.0	244.96	25.5	108.88	601.0	-	4000.00	0.92	3697	4.13	1.68	1.68	22.45
16:00	1	96	18.0	244.96	26.1	110.15	615.1	-	4000.00	0.95	3783	4.23	1.74	1.74	24.19
17:00	1	94	18.0	244.96	26.3	110.78	633.7	-	4000.00	0.97	3898	4.37	1.81	1.81	26.00
18:00	1	92	18.0	244.96	26.5	111.40	648.4	-	4000.00	1.00	3988	4.49	1.87	1.87	27.87
19:00	1	92	18.0	244.96	26.9	112.23	650.3	4000.00	4000.00	1.00	4000	4.50	1.89	1.89	29.75
20:00	1	88	18.0	244.96	24.6	107.72	650.9	-	4000.00	1.00	4004	4.54	1.83	1.83	31.58
Averages:		93.83	18.00	244.96	27.23	112.59	581.23						Total	31.58	

PSH Mass Recovered in Vapor Phase = 4.62 gallons

Ex: Conversion from ppmv to mg/L (influent 1)

Measured Conc.	Molecular Wt.	Pressure	Gas Constant	Temp.	Temp.	Conc.
(ppmv)	(Grams)	(atm)	(atm.liter/K.mole)	(F)	(K)	(C_mg/l)
6250	28.4243	1	0.0821	88	304.111111	7.11532843

Inputs are the green values.
Calculated values are yellow.
Constants are purple values.
Outpus are the blue values.

Liquid-phase Hydrocarbon Recovery
∏ * r2 * h = volume

Total Hydrocarbon Recovery

PSH Mass Recovered in Vapor Phase =	31.58	lbs
	4.62	gallons
PSH Mass Recovered in Liquid Phase =	68.40	lbs
	10.00	gallons
TOTAL =	**99.98**	**lbs**
	14.62	**gallons**

Gallons removed determined at time of pick up

PSH Volume in Gallons=	10
PSH Mass in Pounds=	68.4

% Vol. Hydrocarbon to ppmv - Influent 1

Compound	Molecular Weight (g/mol)	% Vol	=	ppmv
Methane (CH4)	16.04	0.274		2740.00
Ethane (C2H6)	30.07	0		0.00
Propane (C3H8)	44.10	0		0.00
Iso-Butane (C4H10)	58.12	0		0.00
N-Butane (C4H10)	58.12	0		0.00
Iso-Pentane (C4H12)	72.15	0		0.00
N-Pentane (C5H12)	72.15	0		0.00
Hexane+ (C6H14)	93.19	0.351		3510.00
			Total	**6250.00**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10 % octanes

Molecular Weight Calculations

component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	96.9280
Methane (CH4)	16.0425	0.4850
Carbon Dioxide (CO2)	44.011	2.4800
Ethane (C2H6)	30.069	0.0000
Propane (C3H8)	44.0956	0.0000
Iso-Butane (C4H10)	58.1222	0.0000
N-Butane (C4H10)	58.1222	0.0000
Iso-Pentane (C4H12)	72.1488	0.0000
N-Pentane (C5H12)	72.1488	0.0000
Hexane+ (C6H14)	93.1887	0.1070
	Total	100
	Calculated MW	**28.4243**

% Vol. Hydrocarbon to ppmv - Influent 2

Compound	Molecular Weight (g/mol)	% Vol	=	ppmv
Methane (CH4)	16.04	0.143		1430.00
Ethane (C2H6)	30.07	0		0.00
Propane (C3H8)	44.10	0		0.00
Iso-Butane (C4H10)	58.12	0		0.00
N-Butane (C4H10)	58.12	0		0.00
Iso-Pentane (C4H12)	72.15	0		0.00
N-Pentane (C5H12)	72.15	0		0.00
Hexane+ (C6H14)	93.19	0.257		2570.00
			Total	**4000.00**

*Hexane+ is treated as 60% hexanes, 30 % heptanes, and 10 % octanes

Molecular Weight Calculations

component	Molecular Weight (g/mol)	mol%
Nitrogen (N2)	28.016	98.0570
Methane (CH4)	16.0425	0.2530
Carbon Dioxide (CO2)	44.011	1.6120
Ethane (C2H6)	30.069	0.0000
Propane (C3H8)	44.0956	0.0000
Iso-Butane (C4H10)	58.1222	0.0000
N-Butane (C4H10)	58.1222	0.0000
Iso-Pentane (C4H12)	72.1488	0.0000
N-Pentane (C5H12)	72.1488	0.0000
Hexane+ (C6H14)	93.1887	0.0780
	Total	100
	Calculated MW	**28.2944**

Calculated MW= $\frac{\text{sum (individual component MW x their reported mol\%)}}{100}$

ppmv= **% Vol x 10,000**

ATTACHMENT 1

MDPE Field Logs

MDPE FIELD NOTES					
Site Name:	Vac To Jal #5			Event #:	
Location:	Eunice, NM			Arrive at site:	17:45
Date:	3/31/2021				
Job#:	700376.130.26	SRS:	2003 - 00134	Start Vac:	18:15
Phase:		Unit:	1107	Stop Vac:	6:15
Onsite Personnel:	L. Bridges & T. Chapman			Leave Site:	

GAUGING DATA

WELL#	BEFORE			AFTER			COMMENTS
	PSH	GW	PSH-T	PSH	GW	PSH-T	
RW-8	49.16	49.23	0.07	-	51.28	-	Stinger @ 49'
WASTE:	H_2O:	1158		PSH:	13		TOTAL (GAL): 1171

Sample Name		Analysis	Date:	Time:	Comments:	**Bottle #**	**Start Vac**	**End Vac**
INFLUENT	#1	C6+	31-Mar-21	19:15	FID = >50k			
INFLUENT	#2	C6+	1-Apr-21	5:15	FID = >50k			

Notes:

Tank

T 45 1/2" PSH 45" T 1171 PSH 13 H_2O 1158

Propane Start: 80% Waste left on-site because of vac truck issues. Will need to pick up next trip to New Mexico.

End: 65%

Start Date: 3/31/2021		700376.130.26 Plains All American Pipeline, L.P. Vac to Jal #5 Eunice, NM (12HRS) 1107 Pg. 1 of 1										
		Well Flow						Well Data				
TIME	SAMPLE TAKEN	Influent temp. (°F)	Diff. Pressure (inH_20) 2" Preso	Vac (inHg)	FID Composite (PPM)	Propane Tank (%-size) 500 Gal.	EXHAUST TEMP (°F)	COMMENTS:				
								RW-8				
18:15								VAC (inH_20)	VAC (inH_20)	VAC (inH_20)	VAC (inH_20)	VAC (inH_20)
19:15	*	68	21.3	18.0	> 50k		1453	22.7				
20:15		64	20.9	18.0	> 50k		1443	24.5				
21:15		60	19.7	18.0	> 50k		1470	25.9				
22:15		58	18.2	18.0	> 50k		1465	26.6				
23:15		52	20.6	18.0	> 50k		1459	26.8				
0:15		50	21.3	18.0	> 50k		1472	26.5				
1:15		50	21.7	18.0	> 50k		1460	26.9				
2:15		50	21.5	18.0	> 50k		1483	27.1				
3:15		50	22.0	18.0	> 50k		1497	27.6				
4:15		50	22.3	18.0	> 50k		1510	27.3				
5:15	**	50	22.6	18.0	> 50k		1524	27.8				
6:15		50	22.1	18.0	> 50k		1515	27.5				

MDPE FIELD NOTES					
Site Name:	Vac To Jal #5			Event #:	
Location:	Eunice, NM			Arrive at site:	5:00
Date:	6/30/2021				
Job#:	700376.130.27	SRS:	2003 - 00134	Start Vac:	5:30
Phase:		Unit:	1107/3099	Stop Vac:	17:30
Onsite Personnel:	L. Bridges & T. Chambers			Leave Site:	18:00

GAUGING DATA

WELL#	BEFORE			AFTER			COMMENTS
	PSH	GW	PSH-T	PSH	GW	PSH-T	
RW-8	49.13	49.20	0.07	-	51.50	-	Stinger @ 49'
WASTE:	H_2O:	521		PSH:	7		TOTAL (GAL): 528

Sample Name		Analysis	Date:	Time:	Comments:	**Bottle #**	**Start Vac**	**End Vac**
INFLUENT	#1	C6+	30-Jun-21	6:30	PID=152.2			
INFLUENT	#2	C6+	30-Jun-21	16:30	PID=204.3			

Notes:

Tank

T 20 1/2 PSH 20 1/4 T 528 PSH 7 H_2O 521

Propane Start: 55%

End: 45%

Start Date: 6/30/2021		700376.130.27 Plains All American Pipeline, L.P. Vac to Jal #5 Eunice, NM (12HRS) 1107 Pg. 1 of 1										
		Well Flow						Well Data				
TIME	SAMPLE TAKEN	Influent temp. (°F)	Diff. Pressure (inH_20) 2" Preso	Vac (inHg)	PID Composite (PPM)	Propane Tank (%-size) 500 Gal.	EXHAUST TEMP (°F)	COMMENTS: RW-8 VAC (inH_20)				
5:30												
6:30	*	74	25.4	18.0	152.2		1418	19.7				
7:30		74	26.3	18.0	165.7		1421	20.1				
8:30		74	27.4	18.0	172.4		1428	20.4				
9:30		74	28.9	18.0	181.6		1433	19.6				
10:30		80	28.1	18.0	184.7		1417	21.6				
11:30		80	27.5	18.0	182.3		1420	21.5				
12:30		80	26.8	18.0	189.9		1425	21.7				
13:30		80	22.5	18.0	185.4		1428	21.6				
14:30		80	32.6	18.0	199.6		1430	21.8				
15:30		80	31.9	18.0	200.1		1427	21.5				
16:30	**	82	32.5	18.0	204.3		1426	21.6				
17:30		82	32.7	18.0	203.9		1429	21.7				

MDPE FIELD NOTES					
Site Name:	Vac To Jal #5			Event #:	
Location:	Eunice, NM			Arrive at site:	7:30
Date:	9/15/2021				
Job#:	700376.130.28	SRS:	2003 - 00134	Start Vac:	8:00
Phase:		Unit:	1107/3099	Stop Vac:	20:00
Onsite Personnel:	L. Bridges & T. Chambers			Leave Site:	20:30

GAUGING DATA

WELL#	BEFORE			AFTER			COMMENTS
	PSH	GW	PSH-T	PSH	GW	PSH-T	
RW-8	49.14	49.18	0.04	-	51.17	0.00	Stinger @ 49'
WASTE:	H_2O:	550		PSH:	10		TOTAL (GAL): 560

Sample Name		Analysis	Date:	Time:	Comments:	**Bottle #**	**Start Vac**	**End Vac**
INFLUENT	#1	C6+	15-Sep-21	9:00	PID=460.1			
INFLUENT	#2	C6+	15-Sep-21	19:00	PID=650.3			

Notes:

Tank

T 25 3/4 PSH 21 3/8 T 560 PSH 10 H_2O 550

Propane Start: 35%

End: 20%

Start Date: 9/15/2021		700376.130.28 Plains All American Pipeline, L.P. Vac to Jal #5 Eunice, NM (12HRS) 1107/3099 Pg. 1 of 1										
		Well Flow						Well Data				
TIME	SAMPLE TAKEN	Influent temp. (°F)	Diff. Pressure (inH_20) 2" Preso	Vac (inHg)	PID Composite (PPM)	Propane Tank (%-size) 500 Gal.	EXHAUST TEMP (°F)	COMMENTS: RW-8 VAC (inH_20)	VAC (inH_20)	VAC (inH_20)	VAC (inH_20)	VAC (inH_20)
8:00												
9:00	*	88	35.2	18.0	460.1		1464	25.2				
10:00		92	31.4	18.0	515.7		1461	26.0				
11:00		96	26.3	18.0	519.1		1459	26.7				
12:00		96	26.0	18.0	532.4		1463	26.5				
13:00		98	26.1	18.0	565.7		1466	26.7				
14:00		98	25.8	18.0	582.3		1469	26.9				
15:00		96	25.5	18.0	601		1472	26.6				
16:00		96	26.1	18.0	615.1		1469	26.9				
17:00		94	26.3	18.0	633.7		1468	27.3				
18:00		92	26.5	18.0	648.4		1469	27.1				
19:00	**	92	26.9	18.0	650.3		1469	26.9				
20:00		88	24.6	18.0	650.9		1472	25.1				

ATTACHMENT 2

Laboratory Analytical Results

Certificate of Analysis

Number: 1030-21040257-001A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

Jason Shubert
Talon/LPE
921 N Bivins
Amarillo, TX 79107

Apr. 12, 2021

Station Name: Influent # 1
Station Number: 700376.130.26
Station Location: Eunice, NM
Sample Point: Vac to Jal #5
Analyzed: 04/10/2021 10:15:41 by PTW

Sampled By: LR
Sample Of: Gas Spot
Sample Date: 03/31/2021 19:15
Sample Conditions:
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	97.613	96.249		GPM TOTAL C2+	0.076
Methane	0.252	0.142		GPM TOTAL C3+	0.076
Carbon Dioxide	1.961	3.038		GPM TOTAL iC5+	0.076
Ethane	NIL	NIL	NIL		
Propane	NIL	NIL	NIL		
Iso-butane	NIL	NIL	NIL		
n-Butane	NIL	NIL	NIL		
Iso-pentane	NIL	NIL	NIL		
n-Pentane	NIL	NIL	NIL		
Hexanes Plus	0.174	0.571	0.076		
	100.000	100.000	0.076		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.9809	3.2176
Calculated Molecular Weight	28.41	93.19
Compressibility Factor	0.9997	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	11	5113
Water Sat. Gas Base BTU	11	5024

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

Certificate of Analysis

Number: 1030-21040257-002A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

Jason Shubert
Talon/LPE
921 N Bivins
Amarillo, TX 79107

Apr. 12, 2021

Station Name: Influent # 2
Station Number: 700376.130.26
Station Location: Eunice, NM
Sample Point: Vac to Jal #5
Analyzed: 04/10/2021 10:34:51 by PTW

Sampled By: LR
Sample Of: Gas Spot
Sample Date: 04/01/2021 05:15
Sample Conditions:
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	98.436	97.422		GPM TOTAL C2+	0.063
Methane	0.106	0.060		GPM TOTAL C3+	0.063
Carbon Dioxide	1.313	2.041		GPM TOTAL iC5+	0.063
Ethane	NIL	NIL	NIL		
Propane	NIL	NIL	NIL		
Iso-butane	NIL	NIL	NIL		
n-Butane	NIL	NIL	NIL		
Iso-pentane	NIL	NIL	NIL		
n-Pentane	NIL	NIL	NIL		
Hexanes Plus	0.145	0.477	0.063		
	100.000	100.000	0.063		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.9772	3.2176
Calculated Molecular Weight	28.31	93.19
Compressibility Factor	0.9997	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	8	5113
Water Sat. Gas Base BTU	8	5024

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

SPL, Inc.

Analysis Request Chain of Custody Record

SPL

SPL Work Order No.:		SPL Work Order No.:		Acct. Mate Code:	Dept. Code	SPL
						Page 1 of 1

Report To: (Company Name):	Talon LPE	Project/Station Name: Vacto Sl #5	Project/Station Number: 700376.130.26	Project/Station Location: Eunice NM	Requested TAT
Address	921 N. Bivins				☐ 24hr *
City/State/Zip	Amarillo, Texas 79107	Special Instructions:			☐ 48hr *
Contact:	Jason Shubert				☐ 72hr *
Phone:	806-467-0607 Fax: 806-467-0622				☐ Standard
Invoice To: (Company Name):	Talon LPE	Indicate Billing Type.	Net 30 day Acct. ☐	Check #	Cash Recv'd $
Address	921 N Bivins		Credit Card ☐	Contact SPL, Inc for CC payment arrangements.	☐ Other Indicate Below
City/State/Zip	Amarillo, Texas 79107				4/6 11-12
Contact:	Jason Shubert				Fedex
Phone:	806-467-0607 Fax: 806-467-0622				
PO / Ref. No.:					
Contract/Proposal #:					

* Terms: Cylinders will be rented for $10/cyl. All cylinders checked out are to be returned within 21 days, whether they contain sample or not. Cylinders not returned after 30 days will be considered lost and will be billed at current replacement cost.

* Surcharges May Apply

MDPE Sample ID & Point	Sample Date	Sample Time	Sample Type (Gas/Liq. Solid)	Duplicate	Composite	Spot	Cylinder Tracking Info * Cylinder #	Date Out	Date In	CS+	Requested Analysis	Comments
Inlet #1	3-31	1415	GAS							✓		
Inlet #2	4-1	0515	S							✓		

Sampled By-Print Name: LR

Signature:

Company Name:

Relinquished By-Print Name: LR	Date: 4/2/21	Time:	Received By-Print Name:	Date: 4/6	Time: 0747
Signature:			Signature:		
Relinquished By-Print Name:	Date:	Time:	Received By-Print Name:	Date:	Time:
Signature:			Signature:		
Relinquished By-Print Name:	Date:	Time:	Received By-Print Name:	Date:	Time:
Signature:			Signature:		

☒ 8820 Interchange Dr. Houston, TX 77054 (713) 660-0901

☐ 9221 Highway 23 Belle Chasse, LA 70037 (504) 391-1337

☐ P.O. Box 3079 Laurel, MS 39442 (601) 428-0842

☐ 500 Ambassador Caffery Pkwy Scott, LA 70583 (337) 237-4775

☐ 1585 US 79 South Carthage, TX 75633 (903) 693-8242

☐ 458 Hughes Dr. Traverse City, MI 49686 (616) 947-5777

Note: As a convenience to our clients, this form is available in electronic formats. Please contact one of our offices above for the form to be e-mailed to you.

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

Certificate of Analysis

Number: 1030-21070164-001A

July 07, 2021

Jason Shubert
Talon/LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent # 1	Sampled By:	TC
Station Number:	700376.130.27	Sample Of:	Gas Spot
Station Location:	Eunice, NM	Sample Date:	06/30/2021 06:30
Sample Point:	Vac to Jal 5	Sample Conditions:	
Analyzed:	07/07/2021 10:03:55 by PTW	Method:	GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	97.693	96.636		GPM TOTAL C2+	0.024
Methane	0.322	0.182		GPM TOTAL C3+	0.024
Carbon Dioxide	1.929	2.998		GPM TOTAL iC5+	0.024
Ethane	NIL	NIL	NIL		
Propane	NIL	NIL	NIL		
Iso-butane	NIL	NIL	NIL		
n-Butane	NIL	NIL	NIL		
Iso-pentane	NIL	NIL	NIL		
n-Pentane	NIL	NIL	NIL		
Hexanes Plus	0.056	0.184	0.024		
	100.000	100.000	0.024		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.9778	3.2176
Calculated Molecular Weight	28.32	93.19
Compressibility Factor	0.9997	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	6	5113
Water Sat. Gas Base BTU	6	5024

Data reviewed by: Patrick Weber, Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

Certificate of Analysis

Number: 1030-21070164-002A

July 07, 2021

Jason Shubert
Talon/LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent # 2	Sampled By:	TC
Station Number:	700376.130.27	Sample Of:	Gas Spot
Station Location:	Eunice, NM	Sample Date:	06/30/2021 16:30
Sample Point:	Vac to Jal 5	Sample Conditions:	
Analyzed:	07/07/2021 10:16:49 by PTW	Method:	GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	97.280	96.082		GPM TOTAL C2+	0.026
Methane	0.412	0.233		GPM TOTAL C3+	0.026
Carbon Dioxide	2.248	3.488		GPM TOTAL iC5+	0.026
Ethane	NIL	NIL	NIL		
Propane	NIL	NIL	NIL		
Iso-butane	NIL	NIL	NIL		
n-Butane	NIL	NIL	NIL		
Iso-pentane	NIL	NIL	NIL		
n-Pentane	NIL	NIL	NIL		
Hexanes Plus	0.060	0.197	0.026		
	100.000	100.000	0.026		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.9792	3.2176
Calculated Molecular Weight	28.36	93.19
Compressibility Factor	0.9997	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	7	5113
Water Sat. Gas Base BTU	7	5024

Data reviewed by: Patrick Weber, Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

SPL, Inc.

Analysis Request Chain of Custody Record

SPL

SPL Work Order No.:		SPL Work Order No.:		Acct. Mate Code:		Dept. Code	SPL Page 1 of 1

Report To: (Company Name):	Talon LPE			Project/Station Name:	Project/Station Number:	Project/Station Location:	Requested TAT
Address	921 N. Bivins			Vac to Jal 5	700376.130.27	Eunice, NM	☐ 24hr *
City/State/Zip	Amarillo, Texas 79107			Special Instructions:			☐ 48hr *
Contact:	Jason Shubert						☐ 72hr *
Phone:	806-467-0607	Fax:	806-467-0622				
Invoice To: (Company Name):	Talon LPE			Indicate Billing Type.	Net 30 day Acct. ☐	Check #	Cash Recv'd $	☐ Standard
Address	921 N Bivins				Credit Card ☐	Contact SPL. Inc for CC payment arrangements.	☐ Other Indicate Below
City/State/Zip	Amarillo, Texas 79107			* Terms: Cylinders will be rented for $10/cyl. All cylinders checked out are to be returned within 21 days, whether they contain sample or not. Cylinders not returned after 30 days will be considered lost and will be billed at current replacement cost.			7/6 0930
Contact:	Jason Shubert						
Phone:	806-467-0607	Fax:	806-467-0622				
PO / Ref. No.:							
Contract/Proposal #:							* Surcharges May Apply

Sample ID & Point MDPE	Sample Date	Sample Time	Sample Type (Gas/Liq. Solid)	Duplicate	Composite	Spot	Cylinder Tracking Info * Cylinder #	Date Out	Date In	C6+	Requested Analysis	Comments
Influent#1	6-30	0630	GAS							/		
Influent#2	6-30	1630	1							/		

Sampled By-Print Name: Trevor Chambers			Company Name:		
Signature: TRC					
Relinquished By-Print Name: Trevor Chambers	Date: 7-2-21	Time:	Received By-Print Name:	Date: 7/6	Time: 10:52
Signature: TRC			Signature:		
Relinquished By-Print Name:	Date:	Time:	Received By-Print Name:	Date:	Time:
Signature:			Signature:		
Relinquished By-Print Name:	Date:	Time:	Received By-Print Name:	Date:	Time:
Signature:			Signature:		

☒ 8820 Interchange Dr. Houston, TX 77054 (713) 660-0901

☐ 9221 Highway 23 Belle Chasse, LA 70037 (504) 391-1337

☐ P.O. Box 3079 Laurel, MS 39442 (601) 428-0842

☐ 500 Ambassador Caffery Pkwy Scott, LA 70583 (337) 237-4775

☐ 1595 US 79 South Carthage, TX 75633 (903) 693-6242

☐ 459 Hughes Dr. Traverse City, MI 49686 (616) 947-5777

Note: As a convenience to our clients, this form is available in electronic format. Please contact one of our offices above for the form to be e-mailed to you.

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

Certificate of Analysis

Number: 1030-21090696-001A

Sep. 28, 2021

Jason Shubert
Talon/LPE
921 N Bivins
Amarillo, TX 79107

Station Name:	Influent # 1	Sampled By:	TC
Station Number:	700376.130.28	Sample Of:	Gas Spot
Station Location:	Eunice, NM	Sample Date:	09/15/2021 09:00
Sample Point:	Vac to Jal 5	Sample Conditions:	
Analyzed:	09/27/2021 07:16:04 by PTW	Method:	GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	96.928	95.535		GPM TOTAL C2+	0.046
Methane	0.485	0.274		GPM TOTAL C3+	0.046
Carbon Dioxide	2.480	3.840		GPM TOTAL iC5+	0.046
Ethane	NIL	NIL	NIL		
Propane	NIL	NIL	NIL		
Iso-butane	NIL	NIL	NIL		
n-Butane	NIL	NIL	NIL		
Iso-pentane	NIL	NIL	NIL		
n-Pentane	NIL	NIL	NIL		
Hexanes Plus	0.107	0.351	0.046		
	100.000	100.000	0.046		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.9813	3.2176
Calculated Molecular Weight	28.42	93.19
Compressibility Factor	0.9996	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	10	5113
Water Sat. Gas Base BTU	10	5024

Data reviewed by: Patrick Weber, Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

Certificate of Analysis

Number: 1030-21090696-002A

Houston Laboratories
8820 Interchange Drive
Houston, TX 77054
Phone 713-660-0901

Jason Shubert
Talon/LPE
921 N Bivins
Amarillo, TX 79107

Sep. 28, 2021

Station Name: Influent # 2
Station Number: 700376.130.28
Station Location: Eunice, NM
Sample Point: Vac to Jal 5
Analyzed: 09/27/2021 07:30:27 by CDK

Sampled By: TC
Sample Of: Gas Spot
Sample Date: 09/15/2021 19:00
Sample Conditions:
Method: GPA-2261M

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	98.057	97.092		GPM TOTAL C2+	0.034
Methane	0.253	0.143		GPM TOTAL C3+	0.034
Carbon Dioxide	1.612	2.508		GPM TOTAL iC5+	0.034
Ethane	NIL	NIL	NIL		
Propane	NIL	NIL	NIL		
Iso-butane	NIL	NIL	NIL		
n-Butane	NIL	NIL	NIL		
Iso-pentane	NIL	NIL	NIL		
n-Pentane	NIL	NIL	NIL		
Hexanes Plus	0.078	0.257	0.034		
	100.000	100.000	0.034		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.9768	3.2176
Calculated Molecular Weight	28.29	93.19
Compressibility Factor	0.9997	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	7	5113
Water Sat. Gas Base BTU	6	5024

Data reviewed by: Patrick Weber, Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

SPL, Inc.

Analysis Request Chain of Custody Record

SPL

SPL Work Order No.:	SPL Work Order No.:	Acct. Mate Code:	Dept. Code	SPL Page 1 of 1	
Report To: (Company Name): Talon LPE	Project/Station Name: Vac to Jal 5	Project/Station Number: 700376.130.28	Project/Station Location: Eunice NM	Requested TAT	
Address: 921 N. Bivins	Special Instructions:			☐ 24hr*	
City/State/Zip: Amarillo, Texas 79107				☐ 48hr*	
Contact: Jason Shubert				☐ 72hr*	
Phone: 806-467-0607 Fax: 806-467-0622				☐ Standard	
Invoice To: (Company Name): Talon LPE	Indicate Billing Type.	Net 30 day Acct. ☐	Check #	Cash Recv'd $	☐ Other Indicate Below
Address: 921 N Bivins		Credit Card ☐	Contact SPL, Inc for CC payment arrangements.		
City/State/Zip: Amarillo, Texas 79107	*Terms: Cylinders will be rented for $10/cyl. All cylinders checked out are to be returned within 21 days, whether they contain sample or not. Cylinders not returned after 30 days will be considered lost and will be billed at current replacement cost.	Requested Analysis			
Contact: Jason Shubert					
Phone: 806-467-0607 Fax: 806-467-0622					
PO / Ref. No.:					
Contract/Proposal #:					* Surcharges May Apply

Sample ID & Point MDPE	Sample Date	Sample Time	Sample Type (Gas/Liq. Solid)	Duplicate	Composite	Spot	Cylinder #	Date Out	Date In	C6+	Comments
Influent #1	9-15	0900	GAS							/	
Influent #2	9-15	1900	|							/	

Sampled By-Print Name: Trevor Chambers Signature: TCW			Company Name:		
Relinquished By-Print Name: Trevor Chambers Signature: TCW	Date: 9/20/21	Time: [illegible]	Received By-Print Name: Signature: d. Guinen	Date: 9-21-22	Time:
Relinquished By-Print Name: Signature:	Date:	Time:	Received By-Print Name: Signature:	Date:	Time:
Relinquished By-Print Name: Signature:	Date:	Time:	Received By-Print Name: Signature:	Date:	Time:

☒ 8820 Interchange Dr. Houston, TX 77054 (713) 660-0901
☐ 8221 Highway 23 Belle Chasse, LA 70037 (504) 391-1337
☐ P.O. Box 3079 Laurel, MS 39442 (601) 428-0842
☐ 500 Ambassador Caffery Pkwy Scott, LA 70583 (337) 237-4775
☐ 1595 US 79 South Carthage, TX 75633 (903) 693-6242
☐ 459 Hughes Dr. Traverse City, MI 49686 (616) 947-5777

Note: As a convenience to our clients, this form is available in an electronic format. Please contact one of our offices above for the form to be e-mailed to you.

ATTACHMENT 3

Oxidizer Charts

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District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 93020

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 93020
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2021 ANNUAL GROUNDWATER MONITORING REPORT: Content satisfactory Contractor recommendations approved by NMOCD and are as follows; 1. Continue PSH recovery from wells RW-1 through RW-3 and RW-8 on a monthly basis 2. Continue semi-annual groundwater monitoring from MW-1, MW-2, MW-4, MW-6, MW-7, RW-5 and RW-6 per NMOCD approval on January 12, 2022. 3. Conduct quarterly groundwater sampling from MW-3, MW-5, RW-1, RW-2, RW-3, RW-7 and RW-8 if no measurable PSH is observed 4. Complete an annual groundwater sampling event on all wells at the Site 5. Discontinue PAH samples in all wells with two consecutive years of concentrations below the NMOCD criteria. Continue collecting groundwater samples for PAH from RW-8 6. Submit the Annual Groundwater Monitoring Report to the NMOCD no later than March 31, 2023.	8/3/2022