2024 ANNUAL GROUNDWATER 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

PREPARED FOR

PLAINS PIPELINE, L.P.

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1.0 EXECUTIVE SUMMARY

EnTech Consultants (EnTech) prepared this 2024 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 located approximately two (2) miles east of Eunice, New Mexico, and more specifically at latitude 32° 25' 39.006" and longitude 103° 07' 43.155". The hydrocarbon impact at the Site is the result of a 20-barrel (bbls) crude oil release which 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.

Based on the activities completed in 2024 the following findings are presented;

- The PSH plume is stable and decreasing as illustrated by the absence of phase separated hydrocarbons (PSH) in wells RW-1 and RW-3.
- The wells with PSH (RW-2 and RW-8) when sampled do not indicate dissolved phase constituents above the regulatory limit. This indicates that chemicals of concern (COCs) are not contributing to the existing dissolved phase plume from the PSH. This implies the PSH is weathered significantly and presents little risk to groundwater.
- For all wells sampled after 2021 there are no detections of benzene above regulatory limits, indicating the dissolved phase plume is consistently below regulatory limits.
- Monitor well MW-1 located downgradient and nearest the PSH plume has not shown benzene concentrations above regulatory limits since February 2011. This indicates the dissolved phase plume has decreased in size.
- The hydraulic gradient in 2024 ranged from 0.0030- to 0.0032 feet/foot (ft/ft), based on groundwater elevations measured between monitor wells MW-4 and MW-1, indicating a very shallow gradient.
- Based on the above finding and completion of the recommendations presented in Section 6 in 2025, a comprehensive final report and a request for Site closure should be submitted, documenting all recovery activities, analytical results, and evidence supporting a stable and decreasing plume PSH and dissolved phase plume.

2.0 INTRODUCTION AND OBJECTIVES

2.1 Objectives and Site Information

EnTech prepared this 2024 Annual Report on behalf 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 located approximately two (2) miles east of Eunice, New Mexico, and more specifically at latitude 32° 25' 39.006" and longitude 103° 07' 43.155" (**Figure 1**). The hydrocarbon impact at the Site is the result of a 20-barrel (bbls) crude oil release which occurred from the pipeline on May 23, 2003. The pipeline was owned by EOTT at the time of the release and is currently owned by Plains.

This report presents the historical data collected at the Site during weekly, bi-weekly, and monthly groundwater gauging and PSH recovery and quarterly groundwater sampling events conducted. PSH gauging and recovery activities were conducted to remove residual crude oil from the groundwater and to demonstrate a stable and decreasing trends in PSH levels. The objective of the groundwater sampling activities at the Site is to monitor the concentration of COCs to demonstrate a stable and decreasing dissolved phase plume in 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 Release was apparently caused by internal or external corrosion. The line was being pressure tested when the Release occurred.

2.2 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 which required excavation. The larger of the excavations was an irregularly shaped area measuring approximately 40-feet by 200-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 which 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 presence of an

asphaltene layer which 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 concentrations of COCs, preventing the COCs from further affecting the groundwater. The plan called for the placement of an impermeable liner at the base of the excavation to mitigate 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 established that the COCs in groundwater had 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

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

EnTech was retained by Plains in July 2012 to manage groundwater and product recovery activities at the Site. As part of the remediation effort, two (2) recovery wells (RW-7 and RW-8), were installed in 2013. Since 2013, quarterly groundwater sampling and PSH recovery have been ongoing.

This report summarizes the activities conducted in 2024 for groundwater sampling, groundwater analysis, and PSH recovery activities.

2.3 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 to remove COC from groundwater to create a stable and decreasing PSH and dissolved phase plume.

2.4 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.

3.0 GROUNDWATER ASSESSMENT AND RESULTS

3.1 Groundwater Sampling Methodology

Activities conducted at the Site from 2006 to May 2024 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, initially on a weekly basis then to semi-monthly, and then monthly . 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. 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 measurable PSH thicknesses ranging from 0.01-ft to 1.65-ft during 2024. 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 (AGWMR), the NMOCD requested any monitor well which had a COC exceeding NMOCD standards be sampled for polycyclic aromatic hydrocarbons (PAH). To meet these two (2) requirements and for consistency, groundwater samples collected from recovery wells RW-1 through RW-3 and RW-8 were evaluated annually for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and PAH constituents. Specifically, RW-1, RW-2, and RW-3 were sampled for PAH constituents from 2008 and stopped after three (3) consecutive years of PAH constituents below their regulatory limits through 2021. RW-8 has continued to be sampled into 2024.

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 groundwater samples were collected using a new dedicated disposable bailer.

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) in Mount Juliet, Tennessee for analysis. The groundwater samples were analyzed for BTEX by Environmental Protection Agency (EPA) Method SW 8260B and PAHs by EPA Method SW 8270C.

3.2 Groundwater Gauging

Table 1 summarizes groundwater gauging (elevation and PSH thickness) measurements collected before each quarterly sampling event in 2021-2024. Historical groundwater elevation and PSH thickness measurements recorded since March 6, 2018, 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).

3.3 Groundwater Gradient and Flow Direction

Using the 2024 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 20, June 11, September 26, and December 4, 2024. The hydraulic gradient in 2024 ranged from 0.0030-to 0.0032-ft/ft, based on groundwater elevations measured between monitor wells MW-4 and MW-1. The groundwater flow direction has consistently been to the south.

3.4 Groundwater Analytical Results

Groundwater samples were collected on March 21, June 11-13, September 27, and December 5, 2024, from all wells which 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 2024.

Groundwater samples were collected from monitor/recovery wells MW-3, MW-5, RW-6, and RW-7 during the first quarter 2024 sampling event, whereas samples were collected from monitor/recovery wells MW-1 through MW-7 and RW-1 through RW-8 during the second quarter 2024 sampling event. Monitor/recovery wells MW-3, MW-6, RW-1, and RW-3 were sampled during the third quarter 2024 sampling event, and during the 2024

fourth quarter groundwater samples were collected from monitor/recovery wells MW-1 through MW-7, RW-1 and RW-3 through RW-7.

Analytical results reported for the groundwater samples collected from wells MW-1 through MW-7 and RW-1 through RW-8, indicated nondetectable BTEX concentrations or concentrations below the NMOCD groundwater remediation criteria during 2024. The groundwater sample collected from recovery well RW-8 was also analyzed for PAH during the second quarter 2024 sampling event. Analysis of the sample collected from RW-8 reported a total methylnaphthalene concentration of 0.01111 milligrams per liter (mg/L) which is below the NMOCD remediation criteria of 0.03 mg/L.

Table 3.4.1 below summarizes the benzene concentrations analyzed in groundwater samples collected in 2024 in which NMOCD Remediation Criteria exceedances or detectable concentrations were observed. The 2021-2024 analytical results are presented in **Table 3**.

TABLE 3.4.1

2024 BENZENE 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	NS	0.00075 J	0.0011	0.00077 J
RW-2	NS	<0.001	NS	NS
RW-3	NS	<0.0002	0.00069 J	<0.0002
RW-8	NS	<0.0002	NS	NS

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

RW-1, RW-2, and RW-3 were sampled for PAH constituents from 2008 and discontinued after three (3) consecutive years of PAH constituents below their regulatory limits in 2021. RW-8 has continued to be sampled into 2024 as total methylnaphthalene is the only compound that remained detectable at levels above regulatory concerns in 2023. In 2024, total methylnaphthalene levels are no longer elevated and remain within acceptable

regulatory limits. **Table 5** details the laboratory data for all wells sampled for PAH constituents.

Historical groundwater analytical results are presented in **Table 4**, with PAH results summarized separately on **Table 5**. Laboratory analytical reports and data packages are provided in **Appendix A**. The groundwater analytical data for each quarterly sampling event of 2024 are illustrated in **Figures 4A** through **4D**.

3.5 Groundwater Waste Disposal

Purge water recovered from monitor wells MW-1 through MW-7 and recovery wells RW-1 through RW-8 during quarterly gauging and sampling events was placed in the 1,100-gallon aboveground storage tank (AST) located at the Site. These liquids were vacuumed from the AST and transported off-Site by Superior Hydrovac Solutions LLC. for disposal at Sundance Services West, Inc. Eunice, New Mexico on July 24, 2024 . Records of disposal are presented in **Appendix D**.

4.0 PSH RECOVERY

4.1 PSH Recovery Methodology

In addition to collecting groundwater samples, EnTech performed activities at the Site to periodically gauge and recover PSH from recovery wells exhibiting measurable thicknesses of PSH or a 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 (**Table 2)**. Initially, PSH recovery activities were completed using submersible pumps, hand bailing, and / or absorbent socks. Current PSH recovery activities typically consist of hand bailing five (5) - to 20-gallons of groundwater with dissolved-phase hydrocarbons and PSH.

4.2 PSH Recovery via Pumping and Manual Bailing

During 2024, 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 2024 are illustrated in **Table 6**.

The PSH thicknesses observed in recovery well RW-1 during 2024, appear to be stable. The maximum PSH thickness observed in RW-1 was a 0.02-ft, a decrease from 0.03-ft reported during the third quarter of 2023 gauging event. The calculated average PSH thickness measured in RW-1 in 2024 was 0.017-ft.

The maximum PSH thickness observed in recovery well RW-2 during 2024 was 1.65-ft (third and fourth quarters of 2024 gauging events), which is more than the maximum observed in 2023 (0.17-ft). The calculated average product thickness measured in RW-2 in 2024 was 0.68-ft, which is more relative to the calculated average product thickness observed in 2023 (0.10-ft).

The PSH thickness observed in recovery well RW-3 in 2024 ranged from 0.01- to 0.07-ft. These levels were a slight decrease as compared to the maximum thickness observed in 2023 (0.29-ft) and slight increase as compared to the maximum thickness observed in 2021 (0.04-ft) and 2022 (0.06-ft). The calculated average thickness for 2024 was 0.03ft which is a slight decrease from 0.14-ft observed in 2023.

PSH thicknesses ranging from 0.02- to 1.29-ft were reported in recovery well RW-8 in 2024. The average calculated thickness in 2024 of 0.43-ft was an increase relative to the average calculated thickness reported in 2023 (0.21-ft) and in 2022 (0.13-ft).

4.3 PSH Waste Disposal

Approximately 36.25-gallons of PSH and 657.50-gallons of affected groundwater were recovered from the wells containing PSH during 2024 (RW-1 through RW-3 and RW-8) and placed in the on-Site AST. These liquids were vacuumed from the AST and

transported off-Site by Superior Hydrovac Solutions LLC. for disposal at Sundance Services West, Inc. Eunice, New Mexico on July 24, 2024. The record of disposal is presented in Appendix D.

In response to NMOCD comments to the 2023 Annual Report which requested disposal records for 2023. The italicized text below,

"*These liquids are vacuumed from the AST and transported off-Site for disposal by Gandy Corporation of Lovington, New Mexico. No off-Site disposal of recovered fluids occurred in 2023*." It specified "*no off-Site disposal of fluid occurred in 2023*." The previous sentence should have been, "***When required,*** *these liquids are vacuumed from the AST and transported off-Site for disposal by Gandy Corporation of Lovington, New Mexico".*

5.0 MONITORED NATURAL ATTENUATION

5.1 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 including those listed below:

- **Primary Lines of Evidence (PLOE).** Relies on use of historical groundwater data that demonstrates 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.

5.2 Plume Stability and Monitored Natural Attenuation

The Site is currently undergoing plume stability analysis. While field measured groundwater quality parameters (i.e., oxygen-reduction potential, dissolved oxygen, etc.) are recorded during groundwater sample collection, 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 through

MW-7, and RW-6) were reported at nondetectable concentrations or 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 COC concentrations below the NMOCD groundwater remediation criteria;
- Benzene concentrations analyzed in groundwater samples collected from recovery wells in proximity to the release area (RW-1 through RW-3) appear to be stable since 2019, whereas concentrations reported in the groundwater samples collected from RW-8 have reported stable benzene concentrations since December 2021; and,
- PSH thickness observed in recovery wells RW-1 through RW-3 and RW-8 during 2024 appear to be stable. Specifically, the thicknesses observed in RW-1 have decreased from a maximum of 0.08-ft reported during the April 2, 2019 gauging event relative to a maximum thickness of 0.02-ft reported during the March 05 and March 20, 2024, gauging events; the observed PSH thickness in RW-2 increased from a maximum of 0.17-ft reported during the September 28, 2023 and November 01, 2023 gauging events relative to a maximum thickness of 1.65-ft reported during the July 10, 2024 and October 10, 2024, gauging events; the observed thickness in RW-3 decreased from a maximum of 0.29-ft during the July 27, 2023, gauging event relative to a maximum of 0.07-ft reported during the March 14, 2024, gauging event; and, the observed maximum thickness of 0.78-ft reported in RW-8 during the February 5, 2019, gauging event has increased relative to a maximum of 1.29-ft reported during the July 10, 2024 and October 10, 2024 gauging events.

The dissolved phase plume was evaluated in 2024 by analyzing groundwater samples collected from select PSH-free monitor and recovery wells. Groundwater samples were collected from monitor / recovery wells MW-3, MW-5, RW-6 and RW-7 during the first quarter 2024 sampling event (March 20, 2024). Monitor / recovery wells MW-1 through MW-7 and RW-1 through RW-8 were sampled during the second quarter 2024 sampling event (June 11, 2024). Monitor / recovery wells MW-3, MW-6, RW-1 and RW-3, were sampled during the third quarter 2024 sampling events (September 26). Monitor/recovery wells MW-1 through MW-7, RW-1 and RW-3 through RW-7 were sampled during the fourth quarter of 2024 sampling event (December 4, 2024). Laboratory analysis of groundwater samples collected in 2024 reported 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 from 2006 through 2024. 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 second quarter groundwater sampling events from 2008 through 2024, 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 does not 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 4, 2024, were evaluated using the MKTT. Only monitor wells with detectable concentrations of benzene in 2019-2024 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	>99.9%	Decreasing
RW-2	99.7%	Decreasing
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 2024 are presented in **Figures 5** through **14,** respectively. The analytical data collected for the Site used for the plume stability analysis indicates that the benzene plume identified at the Site has a decreasing trend in concentration, size, and mass.

6.0 FINDINGS AND RECOMMENDATIONS

Findings and recommendations resulting from 2024 groundwater monitoring at the Site are summarized below.

- Groundwater flow in the uppermost groundwater-bearing unit is in a southerly direction with a gradient ranging from 0.0030-to 0.0032 -ft/ft as measured between wells MW-4 and MW-1. The flow direction is consistent with previously reported events.
- Analytical results reported for the groundwater samples collected in 2024 from monitor/recovery wells MW-1 through MW-7, and RW-1 through RW-8, indicated nondetectable BTEX concentrations or concentrations below the NMOCD remediation criteria.
- Laboratory analysis of groundwater samples collected from recovery wells with observed PSH in 2023 (RW-1 through RW-3 and RW-8), indicated benzene concentrations ranging from non-detectable to 0.0011 mg/L. Analysis of all other constituents (i.e., toluene, ethylbenzene, and total xylenes) occurred at nondetectable concentrations or concentrations below the NMOCD criteria.
- PSH recovery from wells RW-1 through RW-3, and RW-8 continued during 2024. The estimated quantity of PSH recovered from wells exhibiting PSH during monthly PSH recovery efforts totaled approximately 36.25-gallons, with affected groundwater recovery totaling approximately 657.5-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.

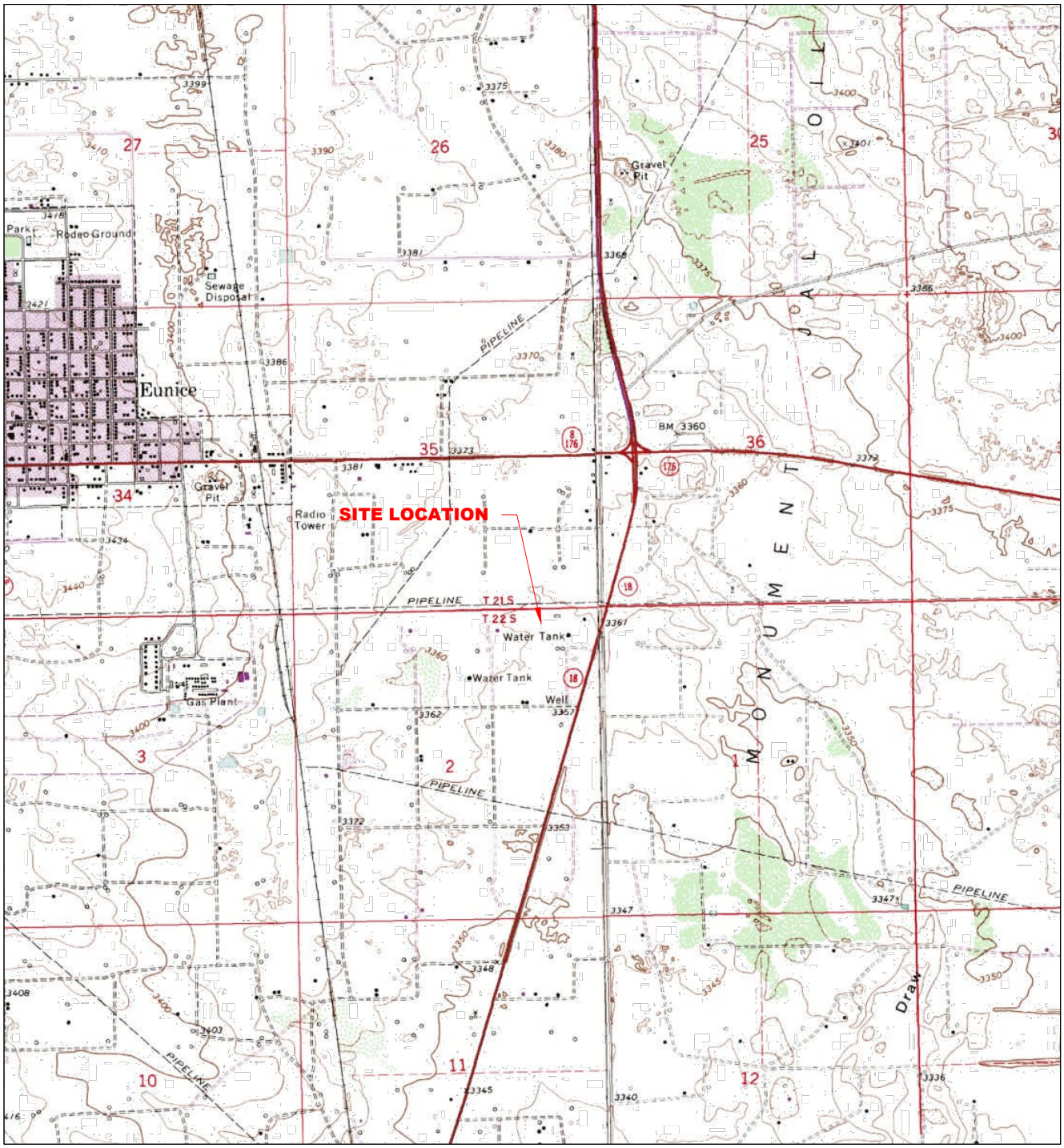
Based on PSH recovery data and laboratory analysis of groundwater samples collected during 2024 from monitor and recovery wells at the Site, EnTech recommends the following actions:

- Conduct enhanced fluid recovery (EFR) event in early 2025 at RW-2 and RW-8.
- PSH recovery from wells RW-1 through RW-3 and RW-8 should continue on a bi-monthly basis for six (6) then be discontinued. For the next six (6) months, PSH levels in these wells should only be gauged once per month to determine PSH rebound. If PSH levels remain stable without recovery the PSH plume should be considered stable. Groundwater monitoring should be conducted semi-annually on monitor wells MW-1, MW-2, MW-4, MW-6, MW-7, RW-5, and RW-6 and quarterly for monitor wells MW-3, MW-5 and RW-1, RW-2, RW-3 and RW-8 if there is no measurable PSH

based on the NMOCD review of the 2023 Annual Report and comments provided on December 18, 2024.

- Annual groundwater sampling should be performed on all wells at the Site.
- PAH samples should be discontinued in all wells with two (2) consecutive years of concentrations below the NMOCD criteria. Recovery well RW-8 will be sampled for PAHs in 2025 on a quarterly basis to demonstrate COCs are not contributing to the plume from the PSH.
- A comprehensive final report and a request for Site closure should be submitted, documenting all recovery activities, analytical results, and evidence supporting a stable and decreasing plume PSH and dissolved phase plume.

FIGURES



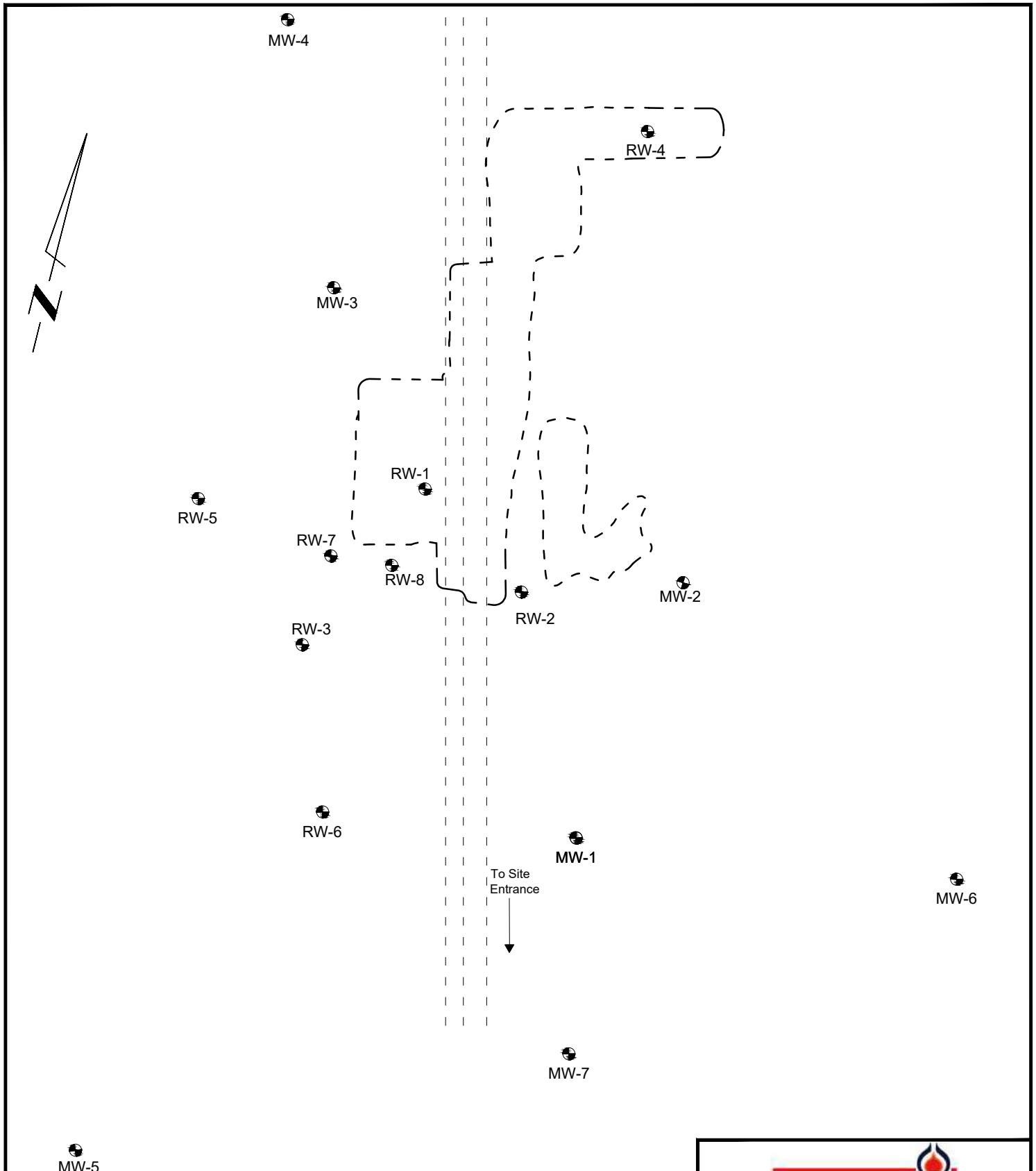
Eunice Quadrangle
32°25'39"N Latitude & 103°07'43"W Longitude

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

EnTech
Houston, TX • (281) 362-2714

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: 1/25



LEGEND:

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

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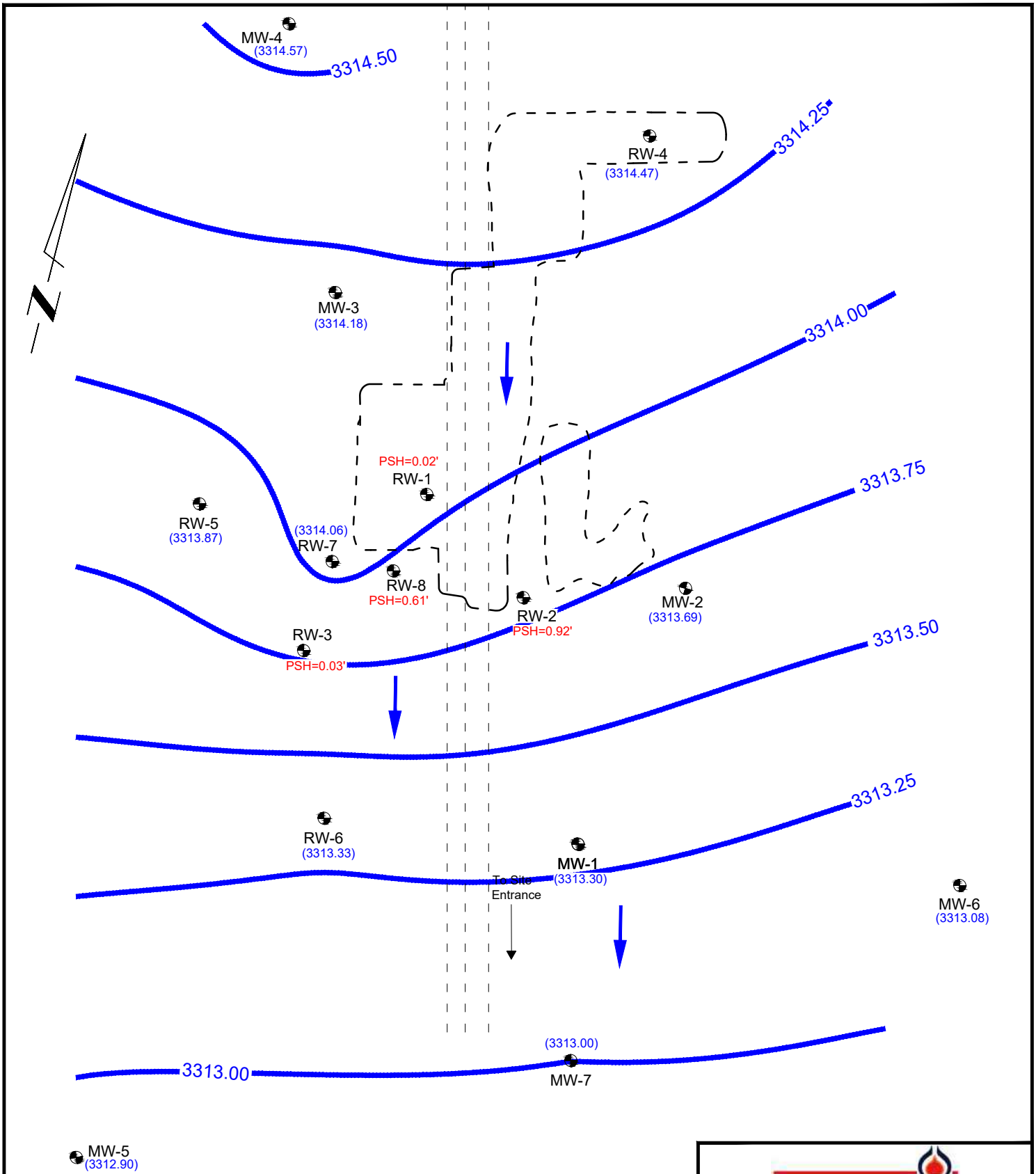
Figure 2
Site Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015	DATE: 1/25



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- – – – - Burried Pipeline
- 3312.5 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3311.73) - Corrected Groundwater Elevation, ft.
- <3313.77> - Elevation Not Used to Contour
- ← - Grounwater Flow Direction

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

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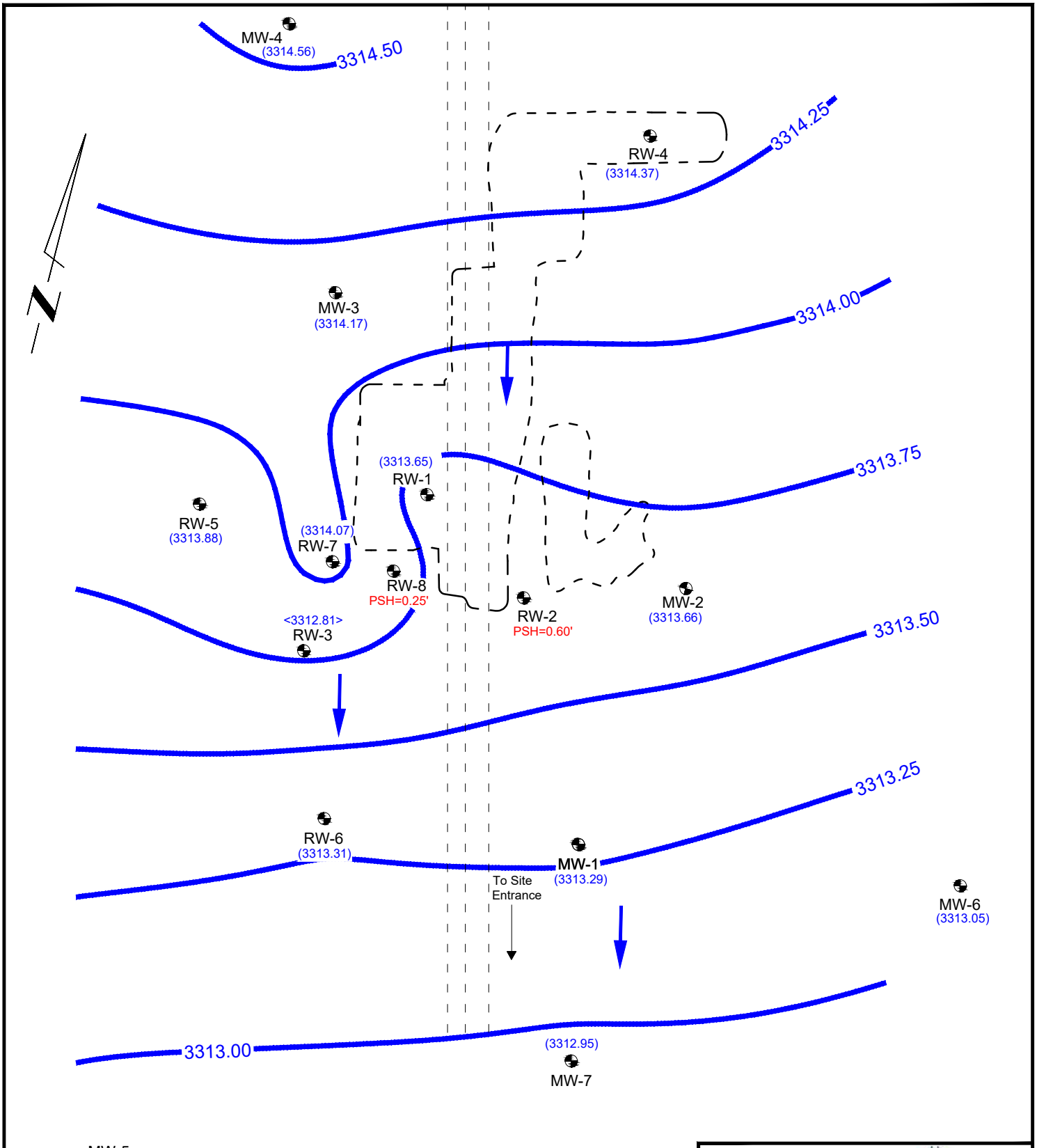
Figure 3A
1st Quarter 2024 - Groundwater Gradient Map
March 20, 2024
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/25



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- – – – - Burried Pipeline
- 3312.5 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3311.73) - Corrected Groundwater Elevation, ft.
- <3313.77> - Elevation Not Used to Contour
- ← - Grounwater Flow Direction

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

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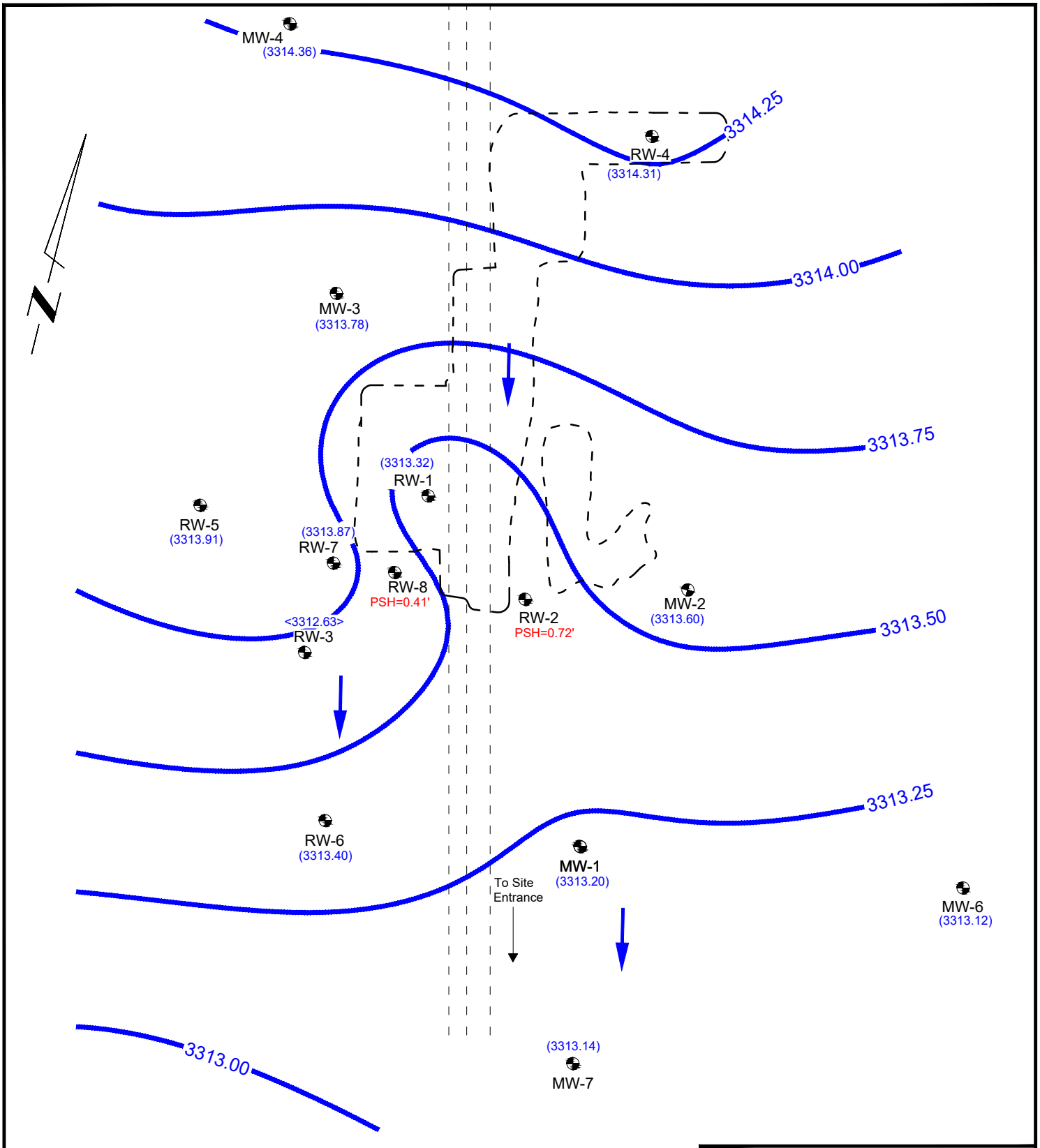
Figure 3B
2nd Quarter 2024 - Groundwater Gradient Map
June 11, 2024
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/25



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- – – – - Burried Pipeline
- 3312.5 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3311.73) - Corrected Groundwater Elevation, ft.
- <3313.77> - Elevation Not Used to Contour
- ← - Grounwater Flow Direction

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

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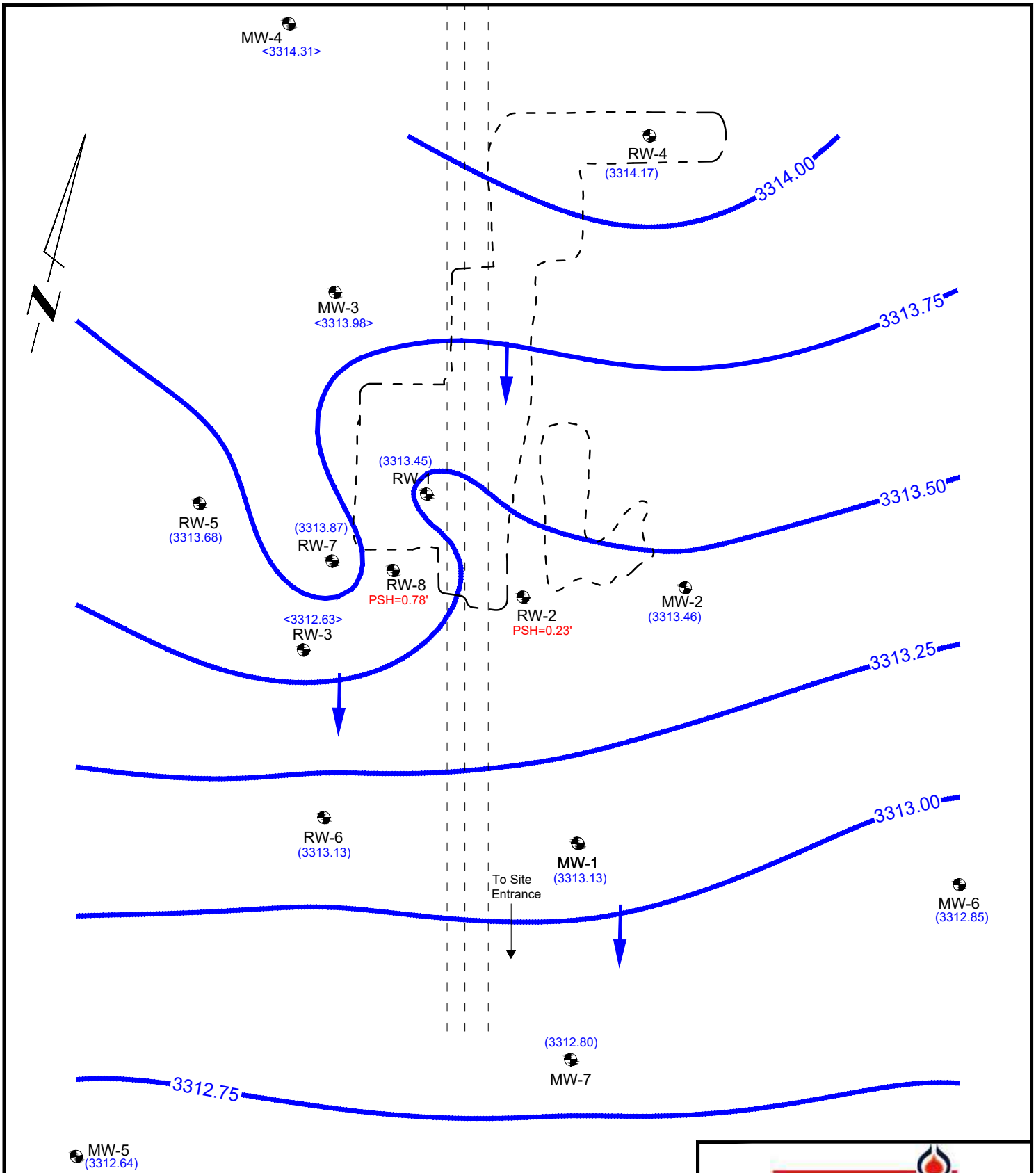
Figure 3C
3rd Quarter 2024 - Groundwater Gradient Map
September 26, 2024
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/25



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- – – – - Burried Pipeline
- 3312.5 - Groundwater Elevation Contour, ft. Contour Interval = 0.25'
- (3311.73) - Corrected Groundwater Elevation, ft.
- <3313.77> - Elevation Not Used to Contour
- ← - Grounwater Flow Direction

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

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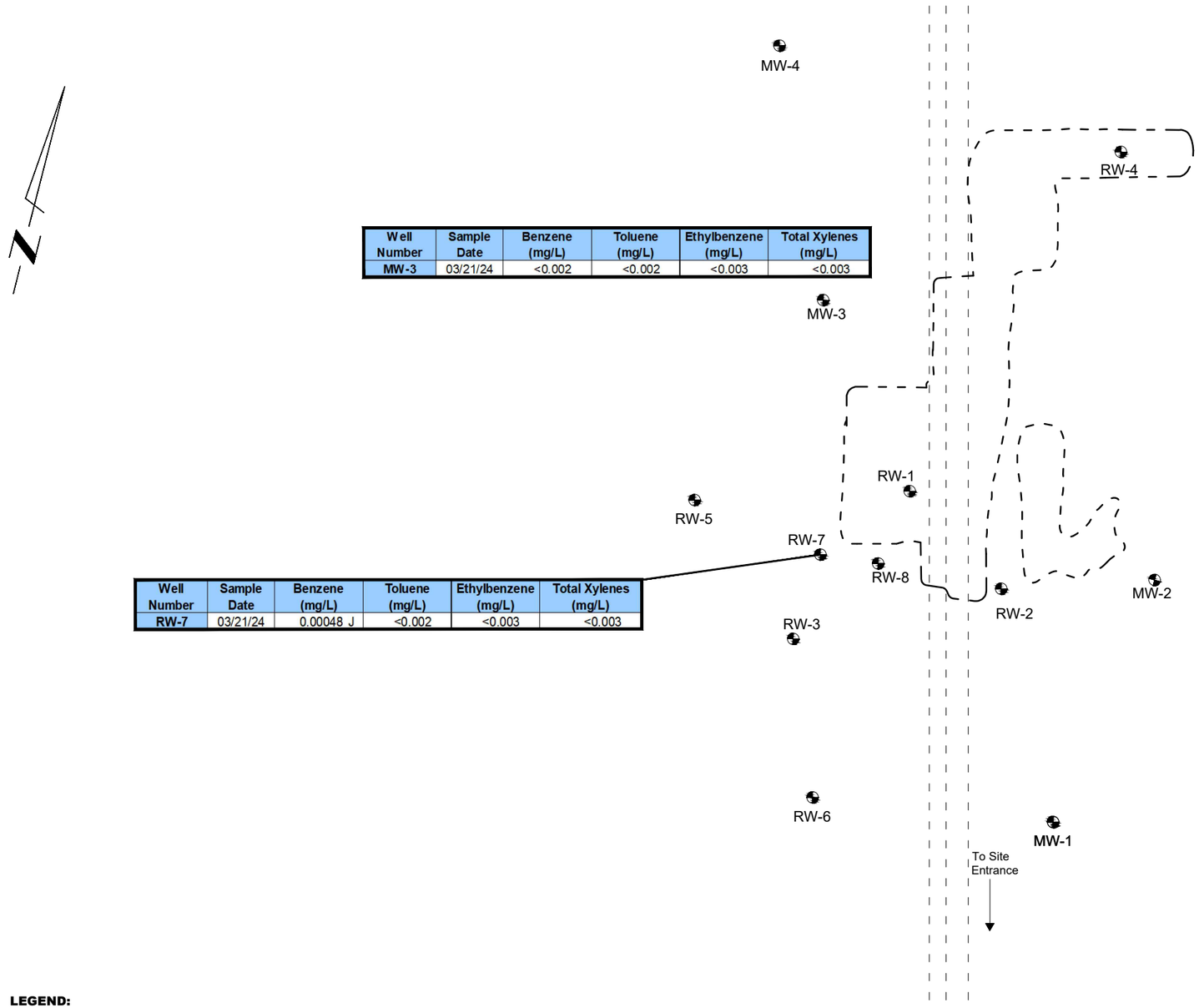
Figure 3D
4th Quarter 2024 - Groundwater Gradient Map
December 5, 2024
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/25



Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	03/21/24	<0.002	<0.002	<0.003	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-7	03/21/24	0.00048 J	<0.002	<0.003	<0.003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	03/21/24	<0.002	<0.002	<0.003	<0.003

LEGEND:

- **MW** - Monitoring Well Location
- **RW** - Recovery Well Location
- ---- - Excavation Extent
- - - - Burried Pipeline

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMOCD Remediation Criteria			
0.01	0.75	0.75	0.62

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

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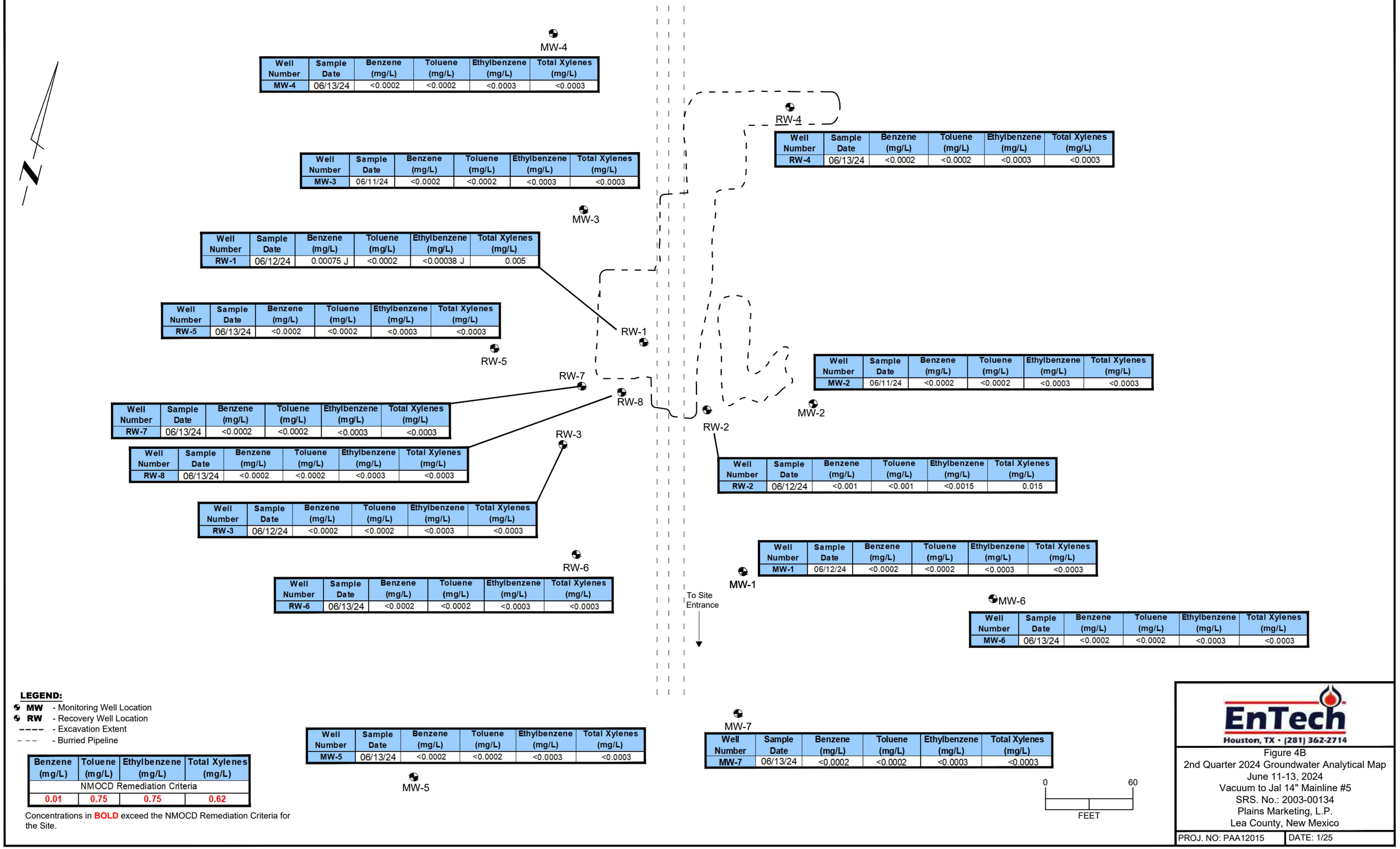
Figure 4A
1st Quarter 2024 Groundwater Analytical Map
March 21, 2024
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/25



Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-4	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	06/11/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-1	06/12/24	0.00075 J	<0.0002	<0.00038 J	0.005

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-5	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	06/11/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-7	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-8	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-2	06/12/24	<0.001	<0.001	<0.0015	0.015

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-3	06/12/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-1	06/12/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-6	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003

LEGEND:

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

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMOCD Remediation Criteria			
0.01	0.75	0.75	0.62

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

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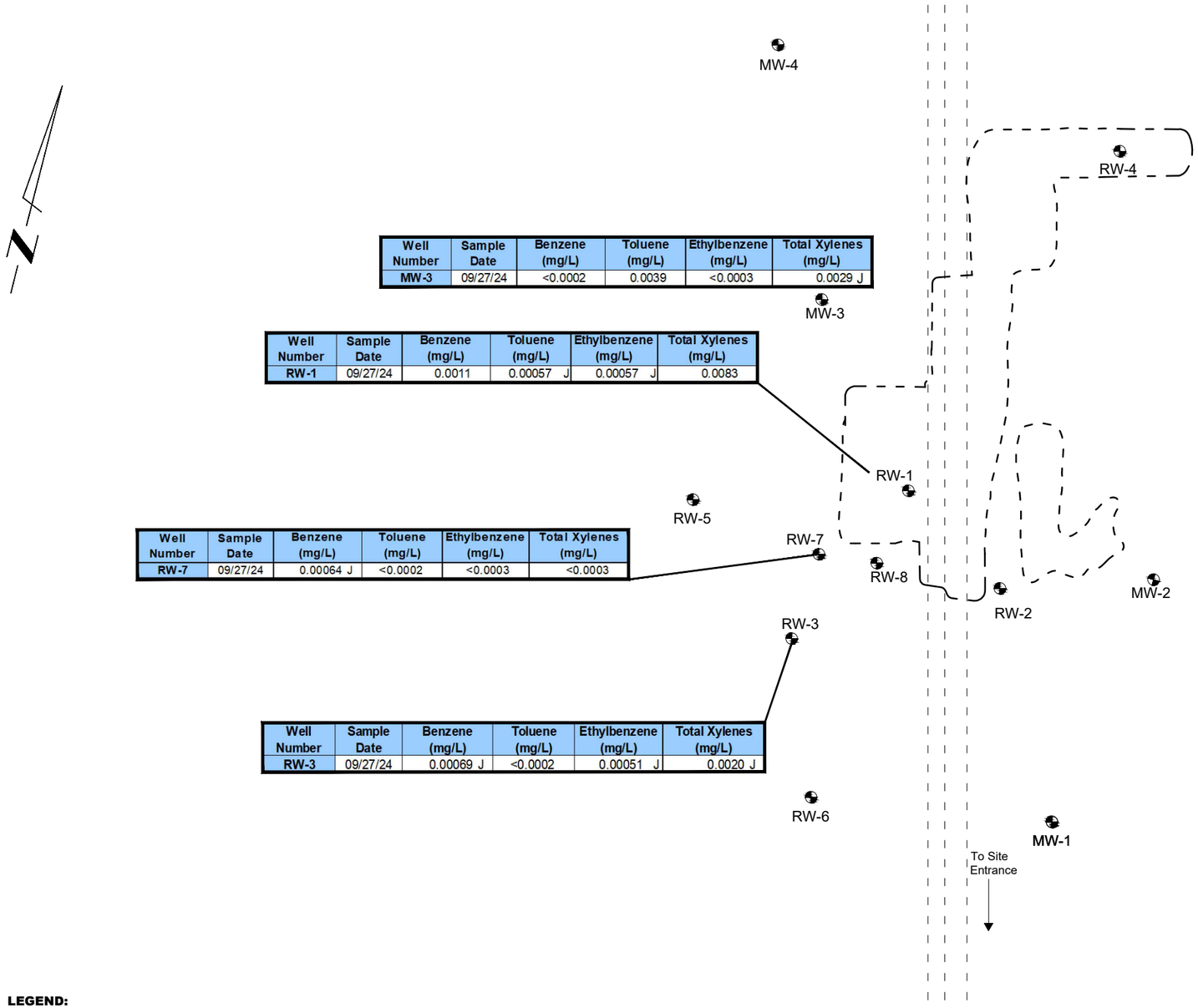
Figure 4B
2nd Quarter 2024 Groundwater Analytical Map
June 11-13, 2024
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/25



Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	09/27/24	<0.0002	0.0039	<0.0003	0.0029 J

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-1	09/27/24	0.0011	0.00057 J	0.00057 J	0.0083

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-7	09/27/24	0.00064 J	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-3	09/27/24	0.00069 J	<0.0002	0.00051 J	0.0020 J

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	09/27/24	<0.0002	0.00073 J	<0.0003	0.00056 J

LEGEND:

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

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMOCD Remediation Criteria			
0.01	0.75	0.75	0.62

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

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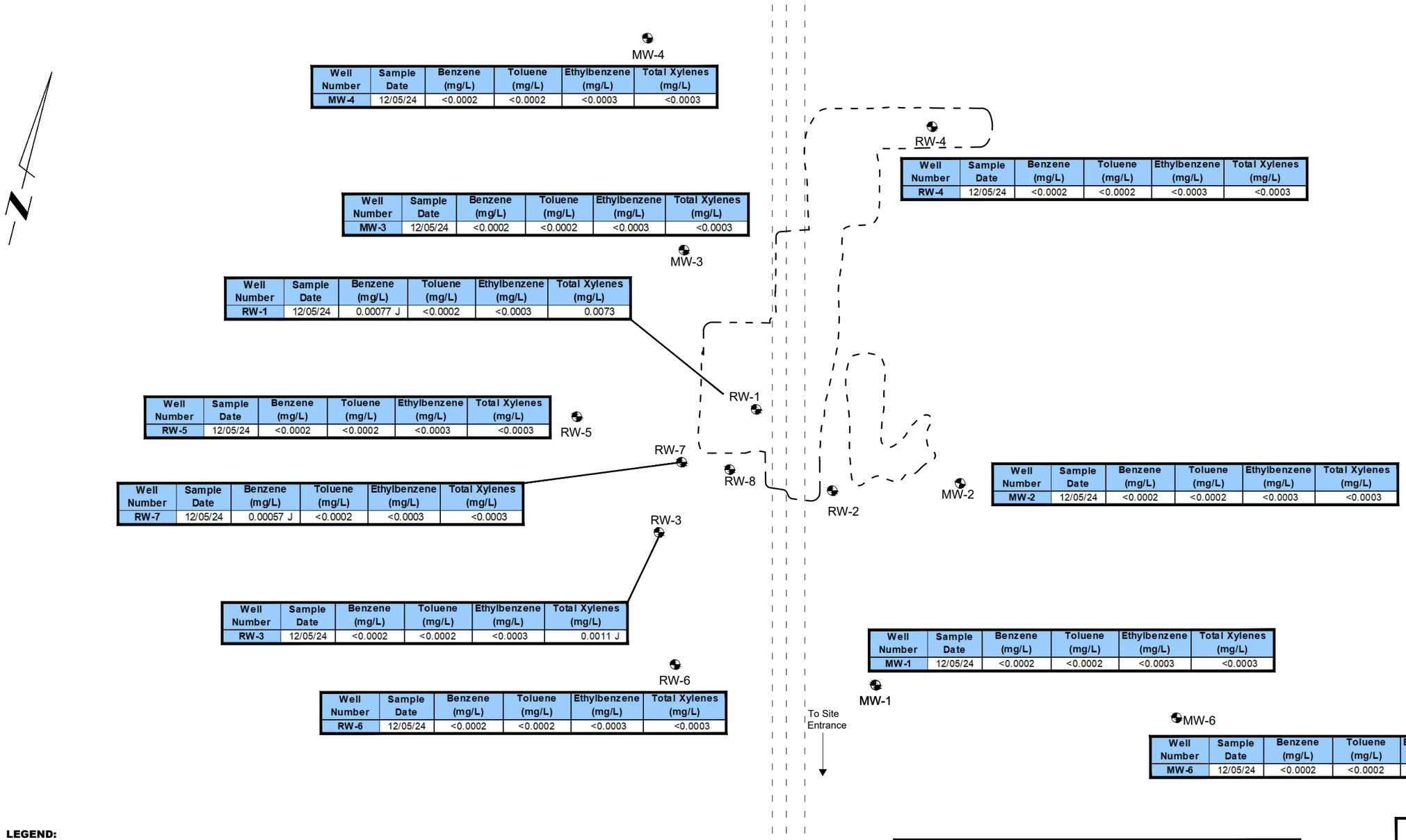
Figure 4C
3RD Quarter 2024 Groundwater Analytical Map
September 27, 2024
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/25



Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-4	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-4	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-3	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-1	12/05/24	0.00077 J	<0.0002	<0.0003	0.0073

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-5	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-7	12/05/24	0.00057 J	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-2	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-3	12/05/24	<0.0002	<0.0002	<0.0003	0.0011 J

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
RW-6	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-1	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-6	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-7	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003

Well Number	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
MW-5	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003

LEGEND:

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

Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMOCD Remediation Criteria			
0.01	0.75	0.75	0.62

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

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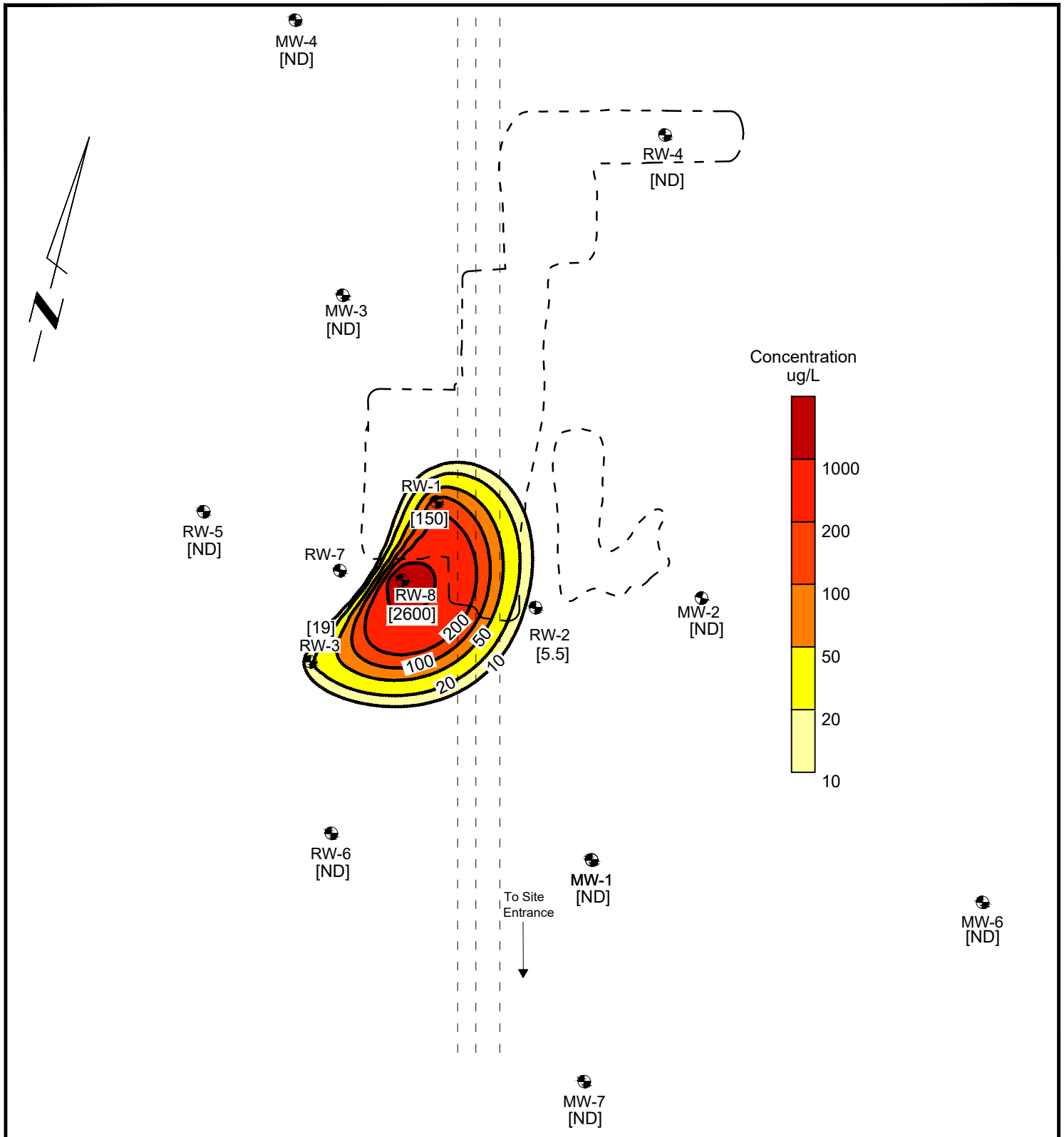
Figure 4D
4th Quarter 2024 Groundwater Analytical Map
December 5, 2024
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Marketing, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/25



LEGEND:

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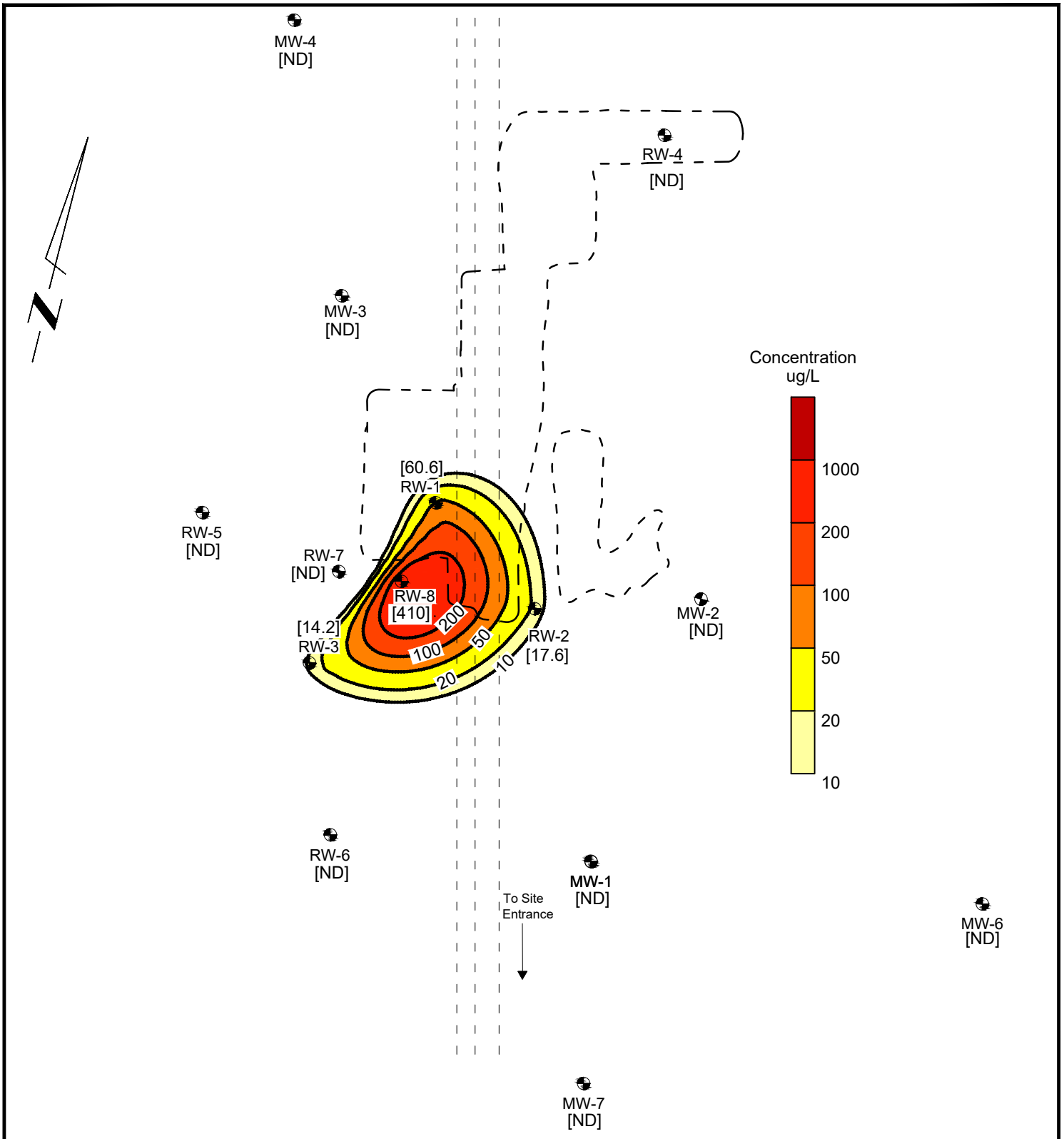
Figure 5
2015 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

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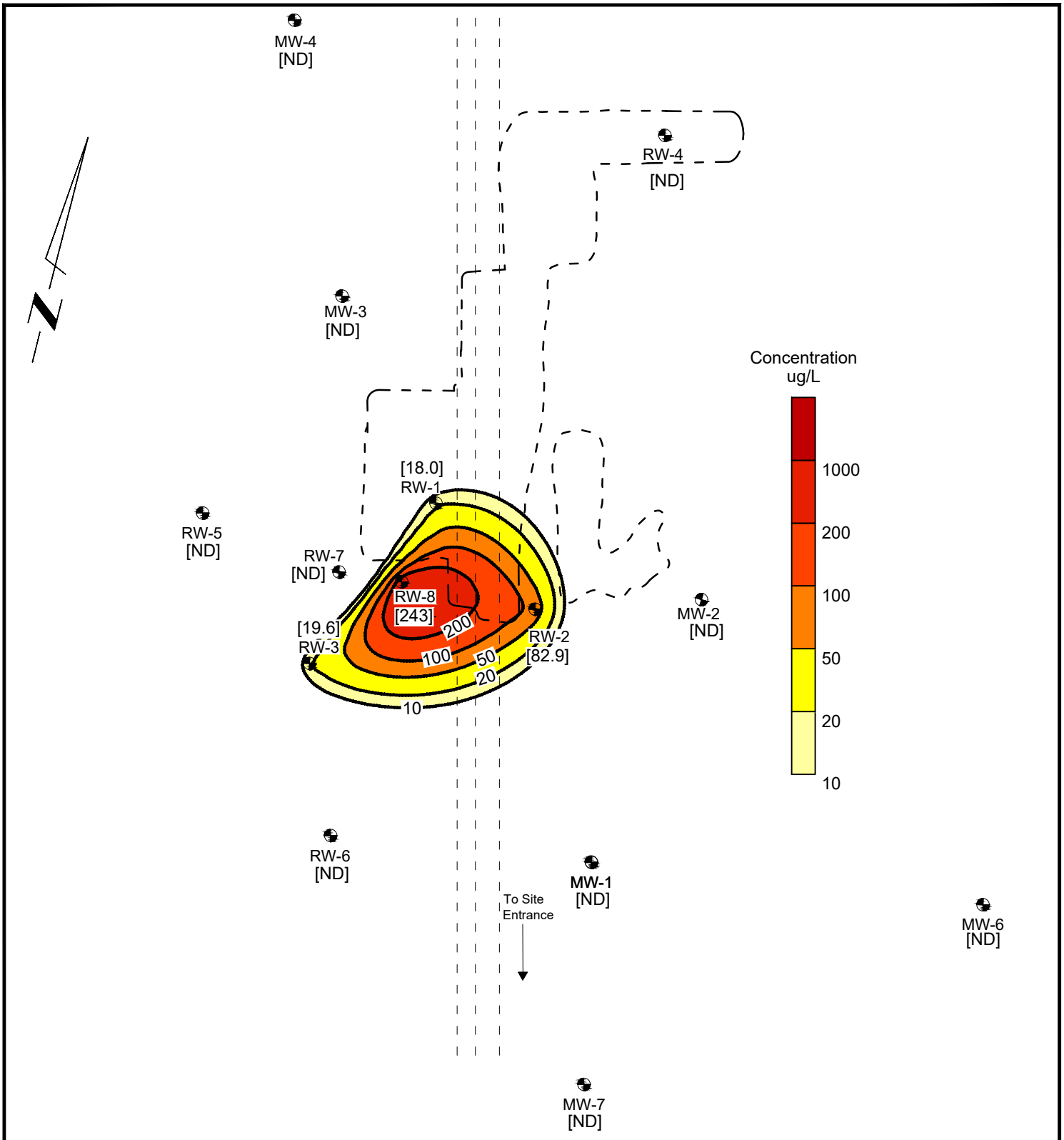
Figure 6
2016 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

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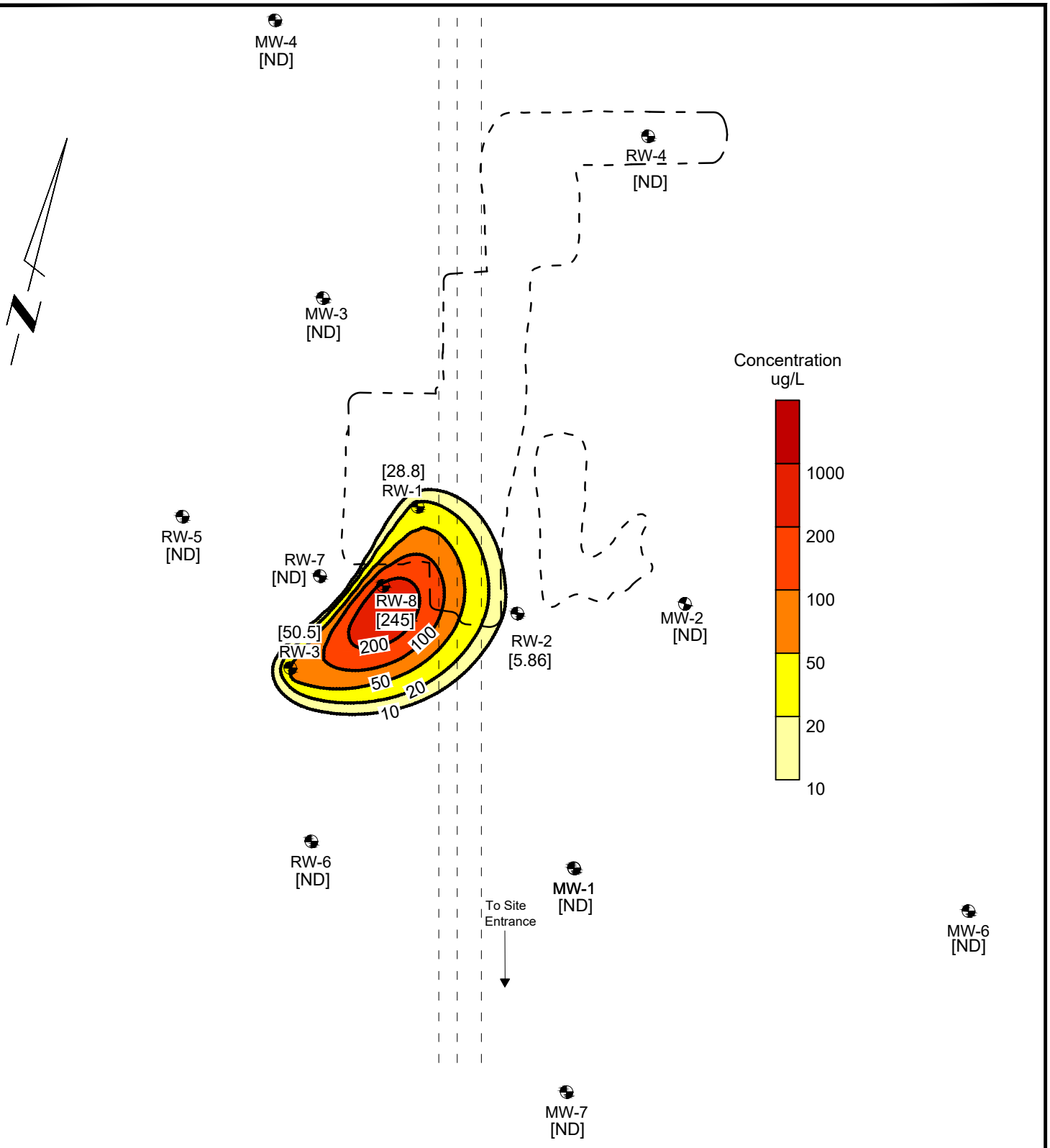
Figure 7
2017 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

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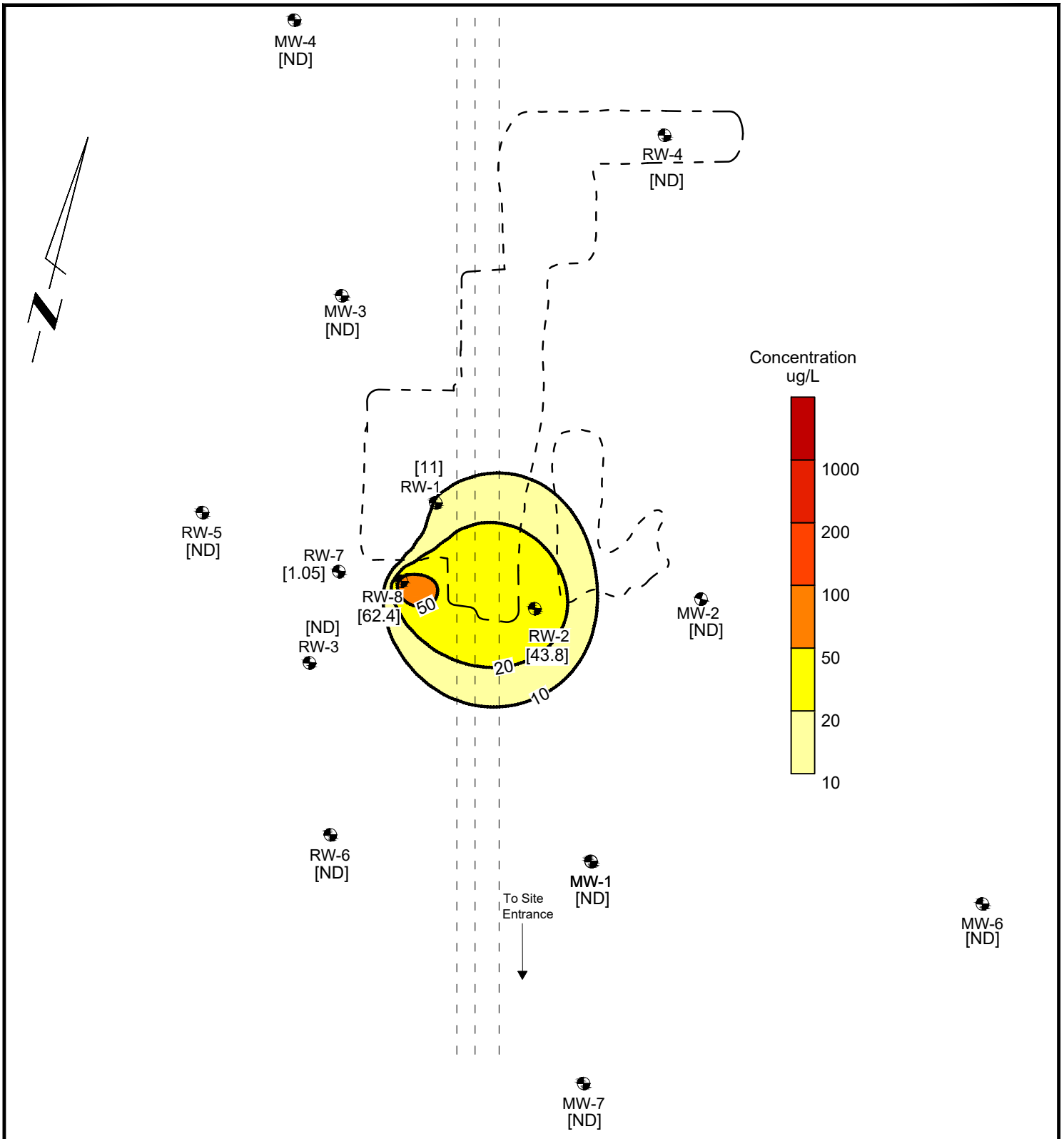
Figure 8
2018 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

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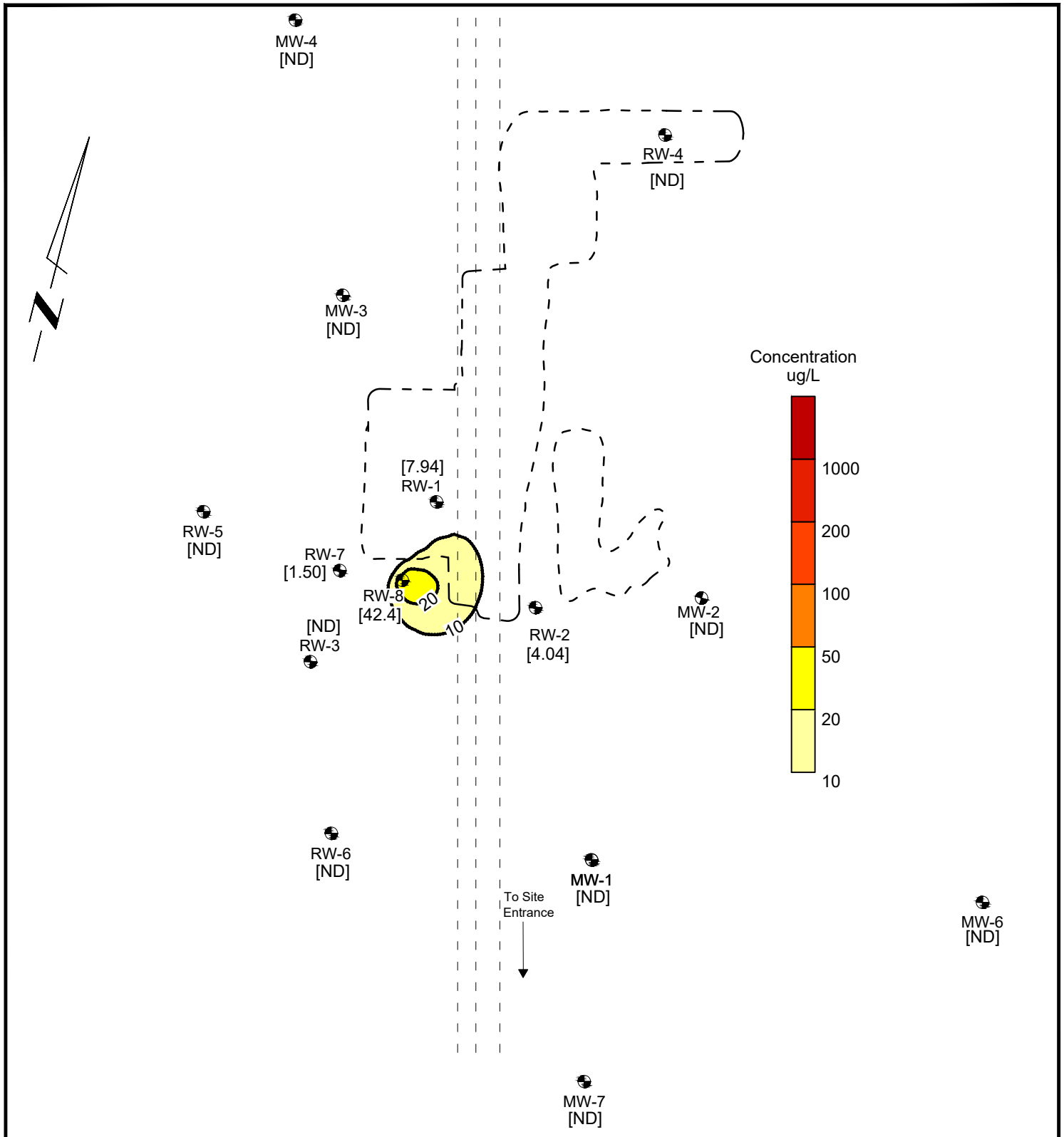
Figure 9
2019 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - 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.

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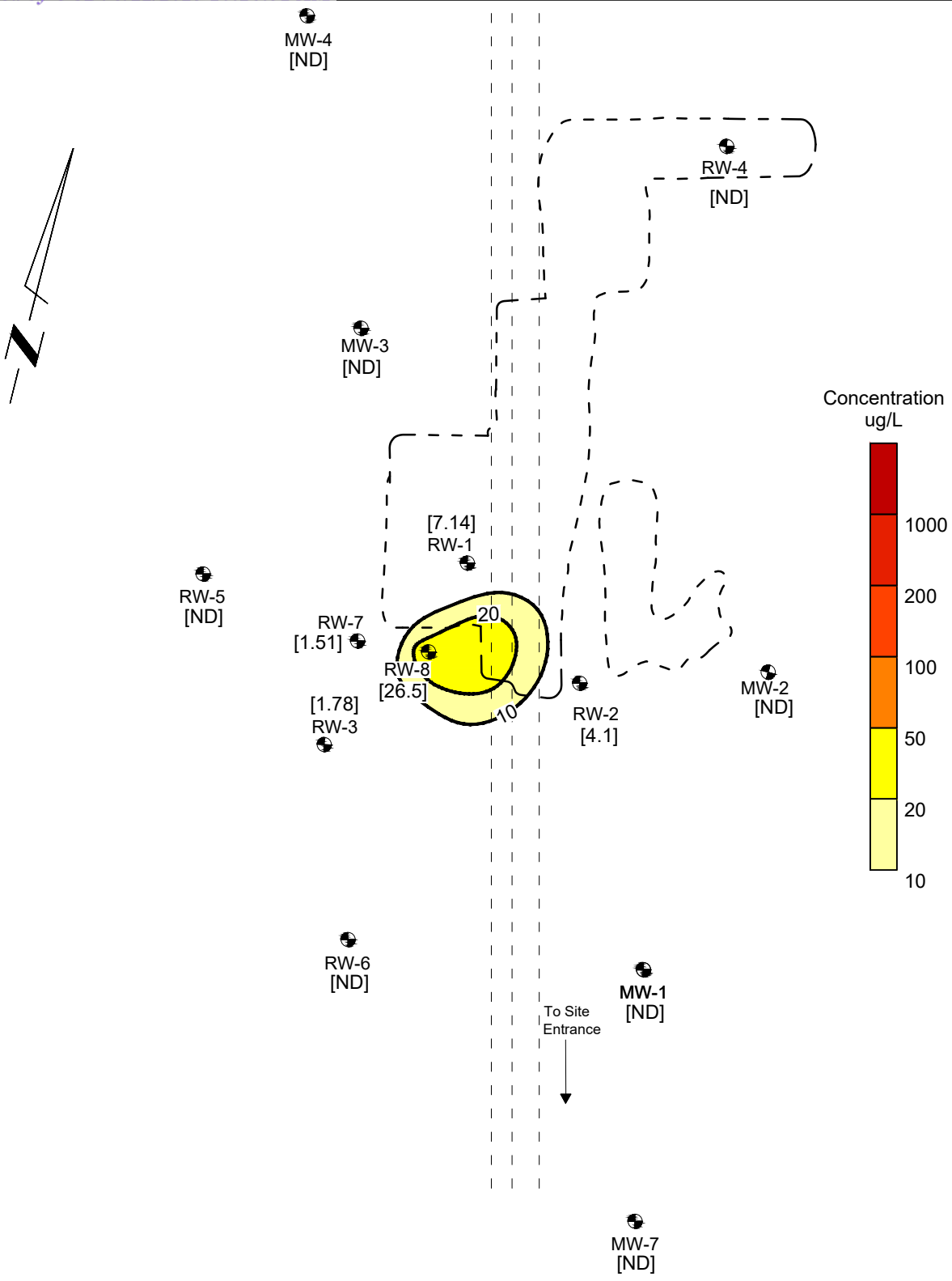
Figure 10
2020 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/21



LEGEND:

MW	- Monitoring Well Location
RW	- 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.

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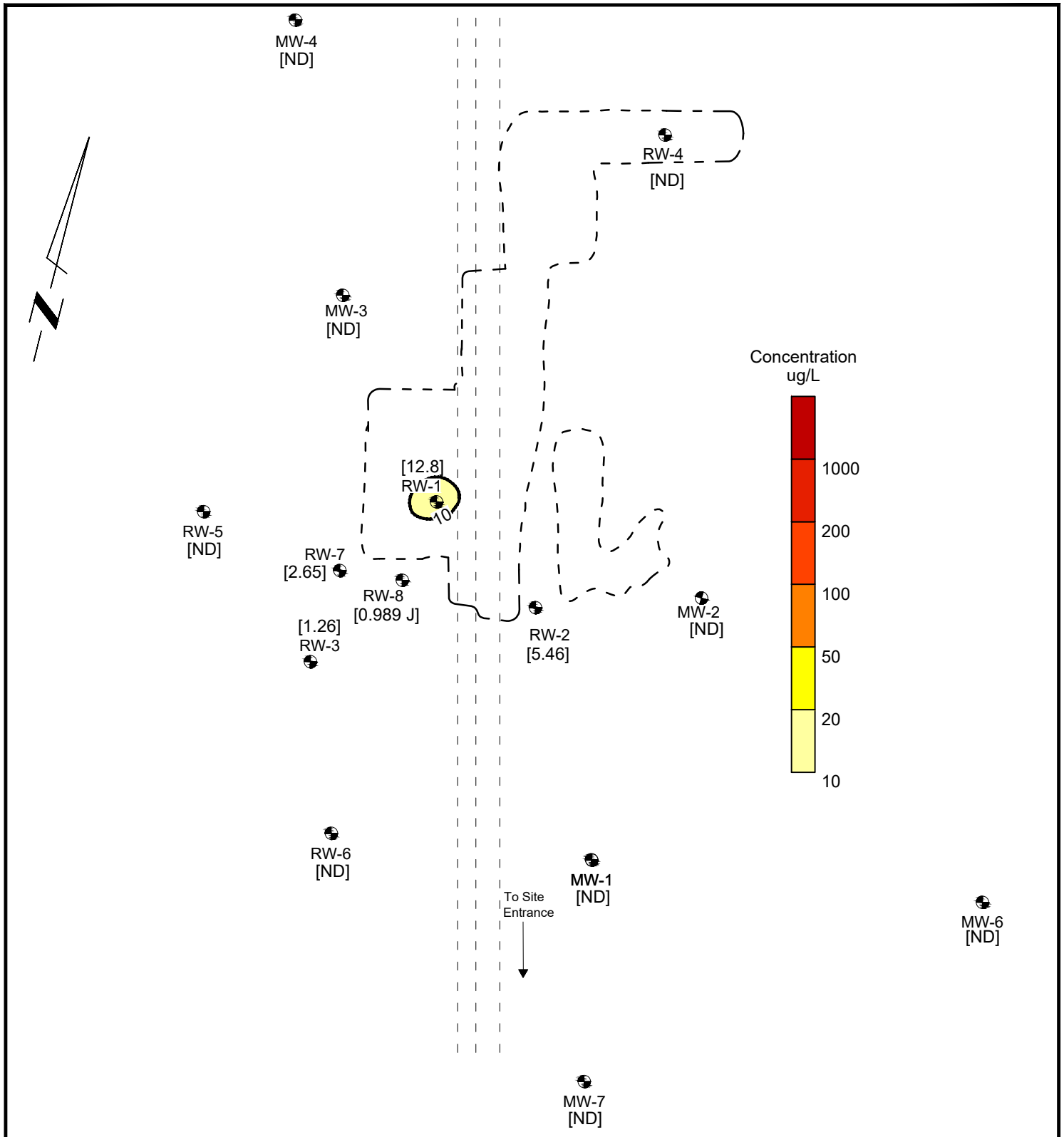
Figure 11
2021 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/22



LEGEND:

MW	- Monitoring Well Location
RW	- 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 2022.

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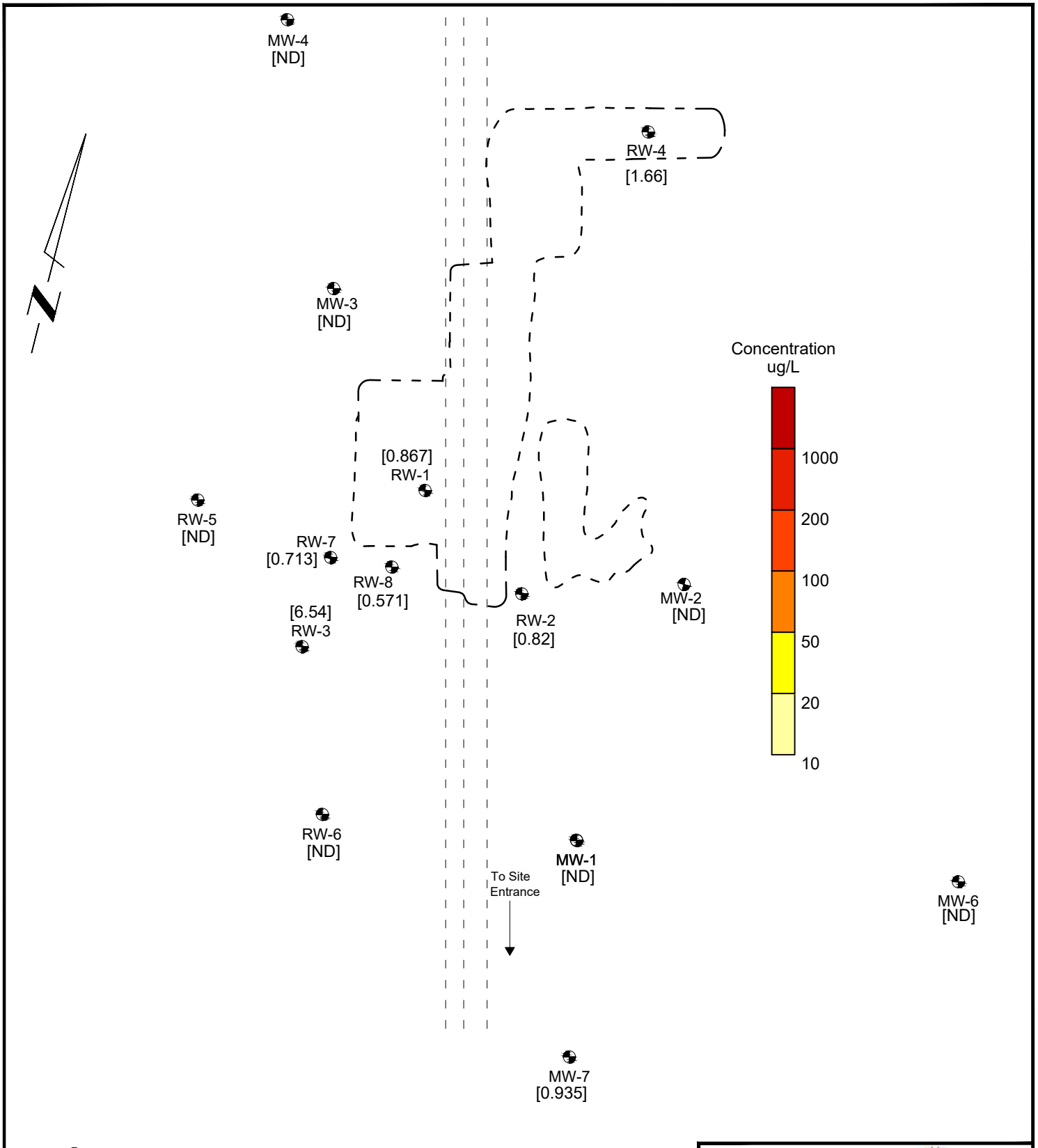
Figure 12
2022 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 1/23



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - 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 2023.

0 60
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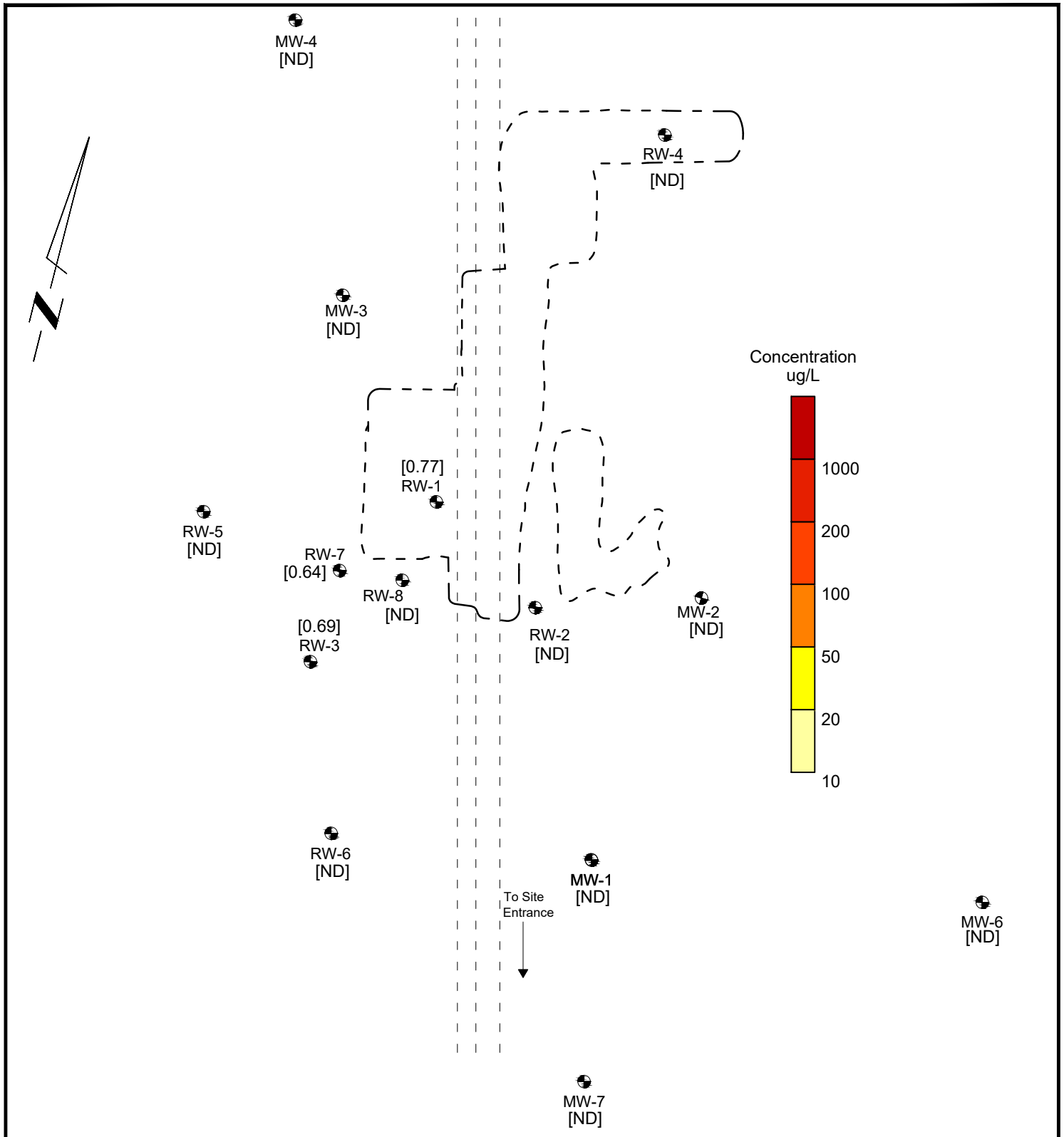
Figure 13
2023 - Benzene Isopleth Map
Vacuum to Jal 14" Mainline #5
SRS. No.: 2003-00134
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12015 | DATE: 2/24



LEGEND:

- **MW** - Monitoring Well Location
- **RW** - 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 2023.

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Figure 14
2024 - 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: 1/25

TABLES

TABLE 1
2021-2024 Quarterly 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	03/25/21	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-1	03/15/22	3363.04	63.78	ND	49.63	ND	NA	NA	NA	3313.41	Sampled
MW-1	06/23/22	3363.04	63.78	ND	49.72	ND	NA	NA	NA	3313.32	Sampled
MW-1	09/28/22	3363.04	63.78	ND	49.90	ND	NA	NA	NA	3313.14	Sampled
MW-1	12/08/22	3363.04	63.78	ND	49.81	ND	NA	NA	NA	3313.23	Sampled
MW-1	03/07/23	3363.04	63.78	ND	49.70	ND	NA	NA	NA	3313.34	
MW-1	06/21/23	3363.04	63.78	ND	49.65	ND	NA	NA	NA	3313.39	Sampled
MW-1	09/28/23	3363.04	63.78	ND	49.00	ND	NA	NA	7.00	3314.04	Sampled
MW-1	12/07/23	3363.04	63.78	ND	49.45	ND	NA	NA	7.00	3313.59	Sampled
MW-1	03/20/24	3363.04	63.78	ND	49.74	ND	NA	NA	NA	3313.30	
MW-1	06/11/24	3363.04	63.78	ND	49.75	ND	NA	NA	NA	3313.29	Sampled
MW-1	09/26/24	3363.04	63.78	ND	49.84	ND	NA	NA	NA	3313.20	
MW-1	12/04/24	3363.04	55.10	ND	49.91	ND	NA	NA	NA	3313.13	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-2	03/15/22	3362.11	64.10	ND	48.32	ND	NA	NA	NA	3313.79	Sampled
MW-2	06/23/22	3362.11	64.10	ND	48.40	ND	NA	NA	NA	3313.71	Sampled
MW-2	09/28/22	3362.11	64.10	ND	48.55	ND	NA	NA	NA	3313.56	Sampled
MW-2	12/08/22	3362.11	64.10	ND	48.52	ND	NA	NA	NA	3313.59	Sampled
MW-2	03/07/23	3362.11	64.10	ND	48.39	ND	NA	NA	NA	3313.72	
MW-2	06/21/23	3362.11	64.10	ND	48.32	ND	NA	NA	NA	3313.79	Sampled
MW-2	09/28/23	3362.11	64.10	ND	48.56	ND	NA	NA	8.00	3313.55	Sampled
MW-2	12/07/23	3362.11	64.10	ND	48.48	ND	NA	NA	8.00	3313.63	Sampled
MW-2	03/20/24	3362.11	64.10	ND	48.42	ND	NA	NA	NA	3313.69	
MW-2	06/11/24	3362.11	64.10	ND	48.45	ND	NA	NA	NA	3313.66	Sampled
MW-2	09/26/24	3362.11	64.15	ND	48.51	ND	NA	NA	NA	3313.60	
MW-2	12/04/24	3362.11	64.19	ND	48.65	ND	NA	NA	NA	3313.46	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-3	03/15/22	3362.13	64.72	ND	47.85	ND	NA	NA	NA	3314.28	Sampled
MW-3	06/23/22	3362.13	64.72	ND	47.92	ND	NA	NA	NA	3314.21	Sampled
MW-3	09/28/22	3362.13	64.72	ND	48.09	ND	NA	NA	NA	3314.04	Sampled
MW-3	12/08/22	3362.13	64.72	ND	48.05	ND	NA	NA	NA	3314.08	Sampled
MW-3	03/07/23	3362.13	64.72	ND	47.91	ND	NA	NA	9.00	3314.22	Sampled
MW-3	06/21/23	3362.13	64.72	ND	47.85	ND	NA	NA	NA	3314.28	Sampled
MW-3	09/28/23	3362.13	64.72	ND	48.09	ND	NA	NA	8.00	3314.04	Sampled
MW-3	12/07/23	3362.13	64.72	ND	48.15	ND	NA	NA	8.00	3313.98	Sampled
MW-3	03/20/24	3362.13	64.72	ND	47.95	ND	NA	NA	8.00	3314.18	Sampled
MW-3	06/11/24	3362.13	64.72	ND	47.96	ND	NA	NA	8.00	3314.17	Sampled
MW-3	09/26/24	3362.13	64.73	ND	48.35	ND	NA	NA	10.00	3313.78	Sampled
MW-3	12/04/24	3362.13	64.68	ND	48.15	ND	NA	NA	NA	3313.98	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

TABLE 1
2021-2024 Quarterly 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-4	03/15/22	3362.49	63.48	ND	47.83	ND	NA	NA	NA	3314.66	Sampled
MW-4	06/23/22	3362.49	63.48	ND	47.90	ND	NA	NA	NA	3314.59	Sampled
MW-4	09/28/22	3362.49	63.48	ND	48.04	ND	NA	NA	NA	3314.45	Sampled
MW-4	12/08/22	3362.49	63.48	ND	48.02	ND	NA	NA	NA	3314.47	Sampled
MW-4	03/07/23	3362.49	63.48	ND	47.90	ND	NA	NA	NA	3314.59	
MW-4	06/21/23	3362.49	63.48	ND	47.82	ND	NA	NA	8.00	3314.67	Sampled
MW-4	09/28/23	3362.49	63.48	ND	48.06	ND	NA	NA	8.00	3314.43	Sampled
MW-4	12/07/23	3362.49	63.48	ND	48.10	ND	NA	NA	8.00	3314.39	Sampled
MW-4	03/20/24	3362.49	63.48	ND	47.92	ND	NA	NA	NA	3314.57	
MW-4	06/11/24	3362.49	63.48	ND	47.93	ND	NA	NA	7.00	3314.56	Sampled
MW-4	09/26/24	3362.49	64.50	ND	48.13	ND	NA	NA	NA	3314.36	
MW-4	12/04/24	3362.49	64.58	ND	48.18	ND	NA	NA	NA	3314.31	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
MW-5	03/15/22	3363.67	63.81	ND	50.70	ND	NA	NA	NA	3312.97	Sampled
MW-5	06/23/22	3363.67	63.81	ND	50.82	ND	NA	NA	NA	3312.85	Sampled
MW-5	09/28/22	3363.67	63.81	ND	49.90	ND	NA	NA	NA	3313.77	Sampled
MW-5	12/08/22	3363.67	63.81	ND	50.88	ND	NA	NA	NA	3312.79	Sampled
MW-5	03/07/23	3363.67	63.81	ND	50.73	ND	NA	NA	NA	3312.94	
MW-5	06/21/23	3363.67	63.81	ND	50.70	ND	NA	NA	6.00	3312.97	Sampled
MW-5	09/28/23	3363.67	63.81	ND	50.94	ND	NA	NA	6.00	3312.73	Sampled
MW-5	12/07/23	3363.67	63.81	ND	50.82	ND	NA	NA	6.00	3312.85	Sampled
MW-5	03/20/24	3363.67	63.81	ND	50.77	ND	NA	NA	6.00	3312.90	Sampled
MW-5	06/11/24	3363.67	63.81	ND	50.80	ND	NA	NA	6.00	3312.87	Sampled
MW-5	09/26/24	3363.67	63.80	ND	50.92	ND	NA	NA	NA	3312.75	
MW-5	12/04/24	3363.67	63.80	ND	51.03	ND	NA	NA	NA	3312.64	Sampled
MW-6	03/25/21	3362.60	63.50	ND	49.60	ND	NA	NA	NA	3313.00	Sampled
MW-6	06/17/21	3362.60	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	09/15/21	3362.60	63.50	ND	49.62	ND	NA	NA	NA	3312.98	Sampled
MW-6	12/16/21	3362.60	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	03/15/22	3362.60	63.50	ND	49.48	ND	NA	NA	NA	3313.12	Sampled
MW-6	06/23/22	3362.60	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	09/28/22	3362.60	63.50	ND	49.68	ND	NA	NA	NA	3312.92	Sampled
MW-6	12/08/22	3362.60	63.50	ND	49.63	ND	NA	NA	NA	3312.97	Sampled
MW-6	03/07/23	3362.60	63.50	ND	49.52	ND	NA	NA	7.00	3313.08	Sampled
MW-6	06/21/23	3362.60	63.50	ND	49.45	ND	NA	NA	7.00	3313.15	Sampled
MW-6	09/28/23	3362.60	63.50	ND	49.70	ND	NA	NA	7.00	3312.90	Sampled
MW-6	12/07/23	3362.60	63.50	ND	49.81	ND	NA	NA	6.00	3312.79	Sampled
MW-6	03/20/24	3362.60	63.50	ND	49.52	ND	NA	NA	6.00	3313.08	
MW-6	06/11/24	3362.60	63.50	ND	49.55	ND	NA	NA	7.00	3313.05	Sampled
MW-6	09/26/24	3362.60	63.50	ND	49.48	ND	NA	NA	10.00	3313.12	Sampled
MW-6	12/04/24	3362.60	63.52	ND	49.75	ND	NA	NA	NA	3312.85	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
MW-7	03/15/22	3362.75	63.75	ND	49.70	ND	NA	NA	NA	3313.05	Sampled
MW-7	06/23/22	3362.75	63.75	ND	49.75	ND	NA	NA	NA	3313.00	Sampled
MW-7	09/28/22	3362.75	63.75	ND	49.95	ND	NA	NA	NA	3312.80	Sampled
MW-7	12/08/22	3362.75	63.75	ND	49.85	ND	NA	NA	NA	3312.90	Sampled

TABLE 1
2021-2024 Quarterly 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-7	03/07/23	3362.75	63.75	ND	49.72	ND	NA	NA	NA	3313.03	
MW-7	06/21/23	3362.75	63.75	ND	49.68	ND	NA	NA	NA	3313.07	Sampled
MW-7	09/28/23	3362.75	63.75	ND	49.90	ND	NA	NA	7.00	3312.85	Sampled
MW-7	12/07/23	3362.75	63.75	ND	49.88	ND	NA	NA	7.00	3312.87	Sampled
MW-7	03/20/24	3362.75	63.75	ND	49.75	ND	NA	NA	NA	3313.00	
MW-7	06/11/24	3362.75	63.75	ND	49.80	ND	NA	NA	7.00	3312.95	Sampled
MW-7	09/26/24	3362.75	63.75	ND	49.61	ND	NA	NA	NA	3313.14	
MW-7	12/04/24	3362.75	63.62	ND	49.95	ND	NA	NA	NA	3312.80	Sampled
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-1	03/15/22	3362.10	61.65	ND	48.33	ND	NA	Sheen	10.00	3313.77	
RW-1	06/23/22	3362.10	61.65	Sheen	48.40	Sheen	NA	Sheen	10.00	3313.70	
RW-1	09/28/22	3362.10	61.65	ND	48.60	ND	NA	Sheen	10.00	3313.50	
RW-1	12/08/22	3362.10	61.65	48.52	48.54	0.02	NA	Sheen	10.00	3313.58	
RW-1	03/07/23	3362.10	61.65	ND	48.40	ND	NA	NA	25.00	3313.70	Sampled
RW-1	06/21/23	3362.10	61.65	48.29	48.30	0.01	NA	Sheen	10.00	3313.81	Sampled
RW-1	09/28/23	3362.10	61.65	ND	48.59	ND	NA	NA	25.00	3313.51	Sampled
RW-1	12/07/23	3362.10	61.65	ND	48.62	ND	NA	NA	6.00	3313.48	Sampled
RW-1	03/20/24	3362.10	60.80	48.43	48.45	0.02	NA	Sheen	20.00	3313.67	
RW-1	06/11/24	3362.10	60.80	ND	48.45	ND	NA	ND	20.00	3313.65	Sampled
RW-1	09/26/24	3362.10	60.80	ND	48.78	ND	NA	ND	25.00	3313.32	Sampled
RW-1	12/04/24	3362.10	60.81	Sheen	48.65	Sheen	NA	0.00	0.00	3313.45	Sampled
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-2	03/15/22	3362.00	63.40	Sheen	48.50	Sheen	NA	0.25	9.75	3313.50	
RW-2	06/23/22	3362.00	63.40	48.56	48.58	0.02	NA	0.25	9.75	3313.44	
RW-2	09/28/22	3362.00	63.40	48.75	49.20	0.45	NA	0.25	9.75	3313.18	
RW-2	12/08/22	3362.00	63.40	48.65	48.80	0.15	NA	0.25	9.75	3313.33	
RW-2	03/07/23	3362.00	63.40	48.55	48.61	0.06	NA	NA	NA	3313.44	
RW-2	06/21/23	3362.00	63.40	48.45	48.60	0.15	NA	0.25	9.75	3313.53	Sampled
RW-2	09/28/23	3362.00	63.40	49.71	49.88	0.17	NA	1.50	8.50	3312.26	
RW-2	12/07/23	3362.00	63.40	49.67	49.78	0.11	NA	NA	NA	3312.31	
RW-2	03/20/24	3362.00	66.00	48.58	49.50	0.92	NA	1.5	18.5	3313.28	
RW-2	06/11/24	3362.00	66.00	48.60	49.20	0.60	NA	1.5	33.5	3313.31	Sampled
RW-2	09/26/24	3362.00	66.03	47.81	48.53	0.72	NA	NA	NA	3314.08	
RW-2	12/04/24	3362.00	66.03	48.71	48.94	0.23	NA	1.5	7.5	3313.26	
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	
RW-3	03/15/22	3361.93	63.80	49.02	49.08	0.06	NA	0.25	9.75	3312.90	
RW-3	06/23/22	3361.93	63.80	49.08	49.11	0.03	NA	0.25	9.75	3312.85	
RW-3	09/28/22	3361.93	63.80	ND	49.30	ND	NA	0.25	9.75	3312.63	
RW-3	12/08/22	3361.93	63.80	49.20	49.22	0.02	NA	0.25	9.75	3312.73	
RW-3	03/07/23	3361.93	63.80	49.07	49.08	0.01	NA	NA	NA	3312.86	
RW-3	06/21/23	3361.93	63.80	48.88	49.00	0.12	NA	0.25	30.00	3313.03	Sampled
RW-3	09/28/23	3361.93	63.80	ND	49.26	ND	NA	NA	25.00	3312.67	Sampled
RW-3	12/07/23	3361.93	63.80	ND	49.31	ND	NA	NA	28.00	3312.62	Sampled

TABLE 1
2021-2024 Quarterly 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-3	03/20/24	3361.93	63.71	49.08	49.11	0.03	NA	0.25	19.75	3312.85	
RW-3	06/11/24	3361.93	63.71	ND	49.12	ND	NA	ND	30.00	3312.81	Sampled
RW-3	09/26/24	3361.93	63.70	ND	49.30	ND	NA	ND	30.00	3312.63	Sampled
RW-3	12/04/24	3361.93	63.71	ND	49.30	ND	NA	NA	NA	3312.63	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-4	03/15/22	3363.22	63.65	ND	48.77	ND	NA	NA	NA	3314.45	Sampled
RW-4	06/23/22	3363.22	63.65	ND	48.60	ND	NA	NA	NA	3314.62	Sampled
RW-4	09/28/22	3363.22	63.65	ND	48.98	ND	NA	NA	NA	3314.24	Sampled
RW-4	12/08/22	3363.22	63.65	ND	48.95	ND	NA	NA	NA	3314.27	Sampled
RW-4	03/07/23	3363.22	63.65	ND	48.82	ND	NA	NA	NA	3314.40	
RW-4	06/21/23	3363.22	63.65	ND	48.75	ND	NA	NA	30.00	3314.47	Sampled
RW-4	09/28/23	3363.22	63.65	ND	49.00	ND	NA	NA	30.00	3314.22	Sampled
RW-4	12/07/23	3363.22	63.65	ND	49.09	ND	NA	NA	29.00	3314.13	Sampled
RW-4	03/20/24	3363.22	63.65	ND	48.85	ND	NA	NA	NA	3314.37	
RW-4	06/11/24	3363.22	63.65	ND	48.85	ND	NA	NA	30.00	3314.37	Sampled
RW-4	09/26/24	3363.22	63.65	ND	48.91	ND	NA	NA	NA	3314.31	
RW-4	12/04/24	3363.22	63.60	ND	49.05	ND	NA	NA	NA	3314.17	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-5	03/15/22	3362.38	64.07	ND	48.42	ND	NA	NA	NA	3313.96	Sampled
RW-5	06/23/22	3362.38	64.07	ND	48.48	ND	NA	NA	NA	3313.90	Sampled
RW-5	09/28/22	3362.38	64.07	ND	48.63	ND	NA	NA	NA	3313.75	Sampled
RW-5	12/08/22	3362.38	64.07	ND	40.60	ND	NA	NA	NA	3321.78	Sampled
RW-5	03/07/23	3362.38	64.07	ND	48.46	ND	NA	NA	NA	3313.92	
RW-5	06/21/23	3362.38	64.07	ND	48.40	ND	NA	NA	30.00	3313.98	Sampled
RW-5	09/28/23	3362.38	64.07	ND	48.65	ND	NA	NA	30.00	3313.73	Sampled
RW-5	12/07/23	3362.38	64.07	ND	48.60	ND	NA	NA	30.00	3313.78	Sampled
RW-5	03/20/24	3362.38	64.07	ND	48.51	ND	NA	NA	NA	3313.87	
RW-5	06/11/24	3362.38	64.07	ND	48.50	ND	NA	NA	30.00	3313.88	Sampled
RW-5	09/26/24	3362.38	64.10	ND	48.47	ND	NA	NA	NA	3313.91	
RW-5	12/04/24	3362.38	64.13	ND	48.70	ND	NA	NA	NA	3313.68	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-6	03/15/22	3363.11	64.27	ND	49.70	ND	NA	NA	NA	3313.41	Sampled
RW-6	06/23/22	3363.11	64.27	ND	49.76	ND	NA	NA	NA	3313.35	Sampled
RW-6	09/28/22	3363.11	64.27	ND	49.46	ND	NA	NA	NA	3313.65	Sampled
RW-6	12/08/22	3363.11	64.27	ND	49.87	ND	NA	NA	NA	3313.24	Sampled
RW-6	03/07/23	3363.11	64.27	ND	49.74	ND	NA	NA	NA	3313.37	
RW-6	06/21/23	3363.11	64.27	ND	49.70	ND	NA	NA	29.00	3313.41	Sampled
RW-6	09/28/23	3363.11	64.27	ND	49.95	ND	NA	NA	30.00	3313.16	Sampled
RW-6	12/07/23	3363.11	64.27	ND	49.90	ND	NA	NA	28.00	3313.21	Sampled
RW-6	03/20/24	3363.11	64.27	ND	49.78	ND	NA	NA	NA	3313.33	Sampled
RW-6	06/11/24	3363.11	64.27	ND	49.80	ND	NA	NA	30.00	3313.31	Sampled
RW-6	09/26/24	3363.11	64.30	ND	49.71	ND	NA	NA	NA	3313.40	
RW-6	12/04/24	3363.11	64.21	ND	49.98	ND	NA	NA	NA	3313.13	Sampled

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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 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-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	03/15/22	3362.52	68.56	ND	48.36	ND	NA	NA	NA	3314.16	Sampled
RW-7	12/16/21	3362.52	68.56	ND	48.41	ND	NA	NA	NA	3314.11	Sampled
RW-7	06/23/22	3362.52	68.56	ND	48.45	ND	NA	NA	NA	3314.07	Sampled
RW-7	09/28/22	3362.52	68.56	ND	48.62	ND	NA	NA	NA	3313.90	Sampled
RW-7	12/08/22	3362.52	68.56	ND	48.55	ND	NA	NA	NA	3313.97	Sampled
RW-7	03/07/23	3362.52	68.56	ND	48.41	ND	NA	NA	40.00	3314.11	Sampled
RW-7	06/21/23	3362.52	68.56	ND	48.35	ND	NA	NA	40.00	3314.17	Sampled
RW-7	09/28/23	3362.52	68.56	ND	48.60	ND	NA	NA	40.00	3313.92	Sampled
RW-7	12/07/23	3362.52	68.56	ND	48.58	ND	NA	NA	40.00	3313.94	Sampled
RW-7	03/20/24	3362.52	68.56	ND	48.46	ND	NA	NA	NA	3314.06	Sampled
RW-7	06/11/24	3362.52	68.56	ND	48.45	ND	NA	NA	40.00	3314.07	Sampled
RW-7	09/26/24	3362.52	68.50	ND	48.65	ND	NA	NA	NA	3313.87	
RW-7	12/04/24	3362.52	68.51	ND	48.65	ND	NA	NA	NA	3313.87	Sampled
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	49.09	sheen	NA	2.00	23.00	3313.43	Sampled
RW-8	03/15/22	3362.52	68.34	49.00	49.03	0.03	NA	2.00	23.00	3313.52	Sampled
RW-8	06/23/22	3362.52	68.34	48.91	49.08	0.17	NA	2.00	23.00	3313.58	Sampled
RW-8	09/28/22	3362.52	68.34	49.22	49.28	0.06	NA	2.00	23.00	3313.29	Sampled
RW-8	12/08/22	3362.52	68.34	49.16	49.21	0.05	NA	2.00	23.00	3313.35	
RW-8	03/07/23	3362.52	68.34	49.04	49.05	0.01	NA	NA	NA	3313.48	
RW-8	06/21/23	3362.52	68.34	48.95	49.25	0.30	NA	2.00	38.00	3313.53	Sampled
RW-8	09/28/23	3362.52	68.34	49.23	49.40	0.17	NA	1.50	8.50	3313.26	
RW-8	12/07/23	3362.52	68.34	49.00	49.55	0.55	NA	NA	NA	3313.44	
RW-8	03/20/24	3362.52	70.44	49.09	49.70	0.61	NA	1.50	18.50	3313.34	
RW-8	06/11/24	3362.52	70.44	49.10	49.35	0.25	NA	1.00	40.00	3313.38	Sampled
RW-8	09/26/24	3362.52	70.42	49.41	49.82	0.41	NA	NA	NA	3313.05	
RW-8	12/04/24	3362.52	70.42	49.30	50.08	0.78	NA	1.00	8.00	3313.10	

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

TABLE 2
2018-2024 Cumulative 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	03/06/18	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-1	03/15/22	3363.04	63.78	ND	49.63	ND	NA	NA	NA	3313.41	Sampled
MW-1	06/23/22	3363.04	63.78	ND	49.72	ND	NA	NA	NA	3313.32	Sampled
MW-1	09/28/22	3363.04	63.78	ND	49.90	ND	NA	NA	NA	3313.14	Sampled
MW-1	12/08/22	3363.04	63.78	ND	49.81	ND	NA	NA	NA	3313.23	Sampled
MW-1	03/07/23	3363.04	63.78	ND	49.70	ND	NA	NA	NA	3313.34	
MW-1	06/21/23	3363.04	63.78	ND	49.65	ND	NA	NA	7.00	3313.39	Sampled
MW-1	09/28/23	3363.04	63.78	ND	49.00	ND	NA	NA	7.00	3314.04	Sampled
MW-1	12/07/23	3363.04	63.78	ND	49.45	ND	NA	NA	7.00	3313.59	Sampled
MW-1	03/20/24	3363.04	63.78	ND	49.74	ND	NA	NA	NA	3313.30	
MW-1	06/11/24	3363.04	63.78	ND	49.75	ND	NA	NA	NA	3313.29	Sampled
MW-1	09/26/24	3363.04	63.78	ND	49.84	ND	NA	NA	NA	3313.20	
MW-1	12/04/24	3363.04	55.10	ND	49.91	ND	NA	NA	NA	3313.13	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

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		
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-2	03/15/22	3362.11	64.10	ND	48.32	ND	NA	NA	NA	3313.79	Sampled
MW-2	06/23/22	3362.11	64.10	ND	48.40	ND	NA	NA	NA	3313.71	Sampled
MW-2	09/28/22	3362.11	64.10	ND	48.55	ND	NA	NA	NA	3313.56	Sampled
MW-2	12/08/22	3362.11	64.10	ND	48.52	ND	NA	NA	NA	3313.59	Sampled
MW-2	03/07/23	3362.11	64.10	ND	48.39	ND	NA	NA	NA	3313.72	
MW-2	06/21/23	3362.11	64.10	ND	48.32	ND	NA	NA	NA	3313.79	Sampled
MW-2	09/28/23	3362.11	64.10	ND	48.56	ND	NA	NA	NA	3313.55	Sampled
MW-2	12/07/23	3362.11	64.10	ND	48.48	ND	NA	NA	8.00	3313.63	Sampled
MW-2	03/20/24	3362.11	64.10	ND	48.42	ND	NA	NA	NA	3313.69	
MW-2	06/11/24	3362.11	64.10	ND	48.45	ND	NA	NA	NA	3313.66	Sampled
MW-2	09/26/24	3362.11	64.15	ND	48.51	ND	NA	NA	NA	3313.60	
MW-2	12/04/24	3362.11	64.19	ND	48.65	ND	NA	NA	NA	3313.46	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-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

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Lea County, New Mexico
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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		
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-3	03/15/22	3362.13	64.72	ND	47.85	ND	NA	NA	NA	3314.28	Sampled
MW-3	06/23/22	3362.13	64.72	ND	47.92	ND	NA	NA	NA	3314.21	Sampled
MW-3	09/28/22	3362.13	64.72	ND	48.09	ND	NA	NA	NA	3314.04	Sampled
MW-3	12/08/22	3362.13	64.72	ND	48.05	ND	NA	NA	NA	3314.08	Sampled
MW-3	03/07/23	3362.13	64.72	ND	47.91	ND	NA	NA	9.00	3314.22	Sampled
MW-3	06/21/23	3362.13	64.72	ND	47.85	ND	NA	NA	NA	3314.28	Sampled
MW-3	09/28/23	3362.13	64.72	ND	48.09	ND	NA	NA	NA	3314.04	Sampled
MW-3	12/07/23	3362.13	64.72	ND	48.15	ND	NA	NA	8.00	3313.98	Sampled
MW-3	03/20/24	3362.13	64.72	ND	47.95	ND	NA	NA	8.00	3314.18	Sampled
MW-3	06/11/24	3362.13	64.72	ND	47.96	ND	NA	NA	8.00	3314.17	Sampled
MW-3	09/26/24	3362.13	64.73	ND	49.35	ND	NA	NA	10.00	3312.78	Sampled
MW-3	12/04/24	3362.13	64.68	ND	48.15	ND	NA	NA	NA	3313.98	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-4	03/15/22	3362.49	63.48	ND	47.83	ND	NA	NA	NA	3314.66	Sampled
MW-4	06/23/22	3362.49	63.48	ND	47.90	ND	NA	NA	NA	3314.59	Sampled
MW-4	09/28/22	3362.49	63.48	ND	48.04	ND	NA	NA	NA	3314.45	Sampled
MW-4	12/08/22	3362.49	63.48	ND	48.02	ND	NA	NA	NA	3314.47	Sampled
MW-4	03/07/23	3362.49	63.48	ND	47.90	ND	NA	NA	NA	3314.59	

TABLE 2
2018-2024 Cumulative 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	06/21/23	3362.49	63.48	ND	47.82	ND	NA	NA	NA	3314.67	Sampled
MW-4	09/28/23	3362.49	63.48	ND	48.06	ND	NA	NA	NA	3314.43	Sampled
MW-4	12/07/23	3362.49	63.48	ND	48.10	ND	NA	NA	8.00	3314.39	Sampled
MW-4	03/20/24	3362.49	63.48	ND	47.92	ND	NA	NA	NA	3314.57	
MW-4	06/11/24	3362.49	63.48	ND	47.93	ND	NA	NA	7.00	3314.56	Sampled
MW-4	09/26/24	3362.49	64.50	ND	48.13	ND	NA	NA	NA	3314.36	
MW-4	12/04/24	3362.49	64.58	ND	48.18	ND	NA	NA	NA	3314.31	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-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-5	03/15/22	3363.67	63.81	ND	50.70	ND	NA	NA	NA	3312.97	Sampled
MW-5	06/23/22	3363.67	63.81	ND	50.82	ND	NA	NA	NA	3312.85	Sampled
MW-5	09/28/22	3363.67	63.81	ND	49.90	ND	NA	NA	NA	3313.77	Sampled
MW-5	12/08/22	3363.67	63.81	ND	50.88	ND	NA	NA	NA	3312.79	Sampled
MW-5	03/07/23	3363.67	63.81	ND	50.73	ND	NA	NA	NA	3312.94	
MW-5	06/21/23	3363.67	63.81	ND	50.70	ND	NA	NA	NA	3312.97	Sampled
MW-5	09/28/23	3363.67	63.81	ND	50.94	ND	NA	NA	NA	3312.73	Sampled
MW-5	12/07/23	3363.67	63.81	ND	50.82	ND	NA	NA	6.00	3312.85	Sampled
MW-5	03/20/24	3363.67	63.81	ND	50.77	ND	NA	NA	6.00	3312.90	Sampled
MW-5	06/11/24	3363.67	63.81	ND	50.80	ND	NA	NA	6.00	3312.87	Sampled
MW-5	09/26/24	3363.67	63.80	ND	50.92	ND	NA	NA	NA	3312.75	
MW-5	12/04/24	3363.67	63.80	ND	51.03	ND	NA	NA	NA	3312.64	Sampled

TABLE 2
2018-2024 Cumulative 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	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-6	03/15/22	3362.6	63.50	ND	49.48	ND	NA	NA	NA	3313.12	Sampled
MW-6	06/23/22	3362.6	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	09/28/22	3362.6	63.50	ND	49.68	ND	NA	NA	NA	3312.92	Sampled
MW-6	12/08/22	3362.6	63.50	ND	49.63	ND	NA	NA	NA	3312.97	Sampled
MW-6	03/07/23	3362.60	63.50	ND	49.52	ND	NA	NA	7.00	3313.08	Sampled
MW-6	06/21/23	3362.60	63.50	ND	49.45	ND	NA	NA	NA	3313.15	Sampled
MW-6	09/28/23	3362.60	63.50	ND	49.70	ND	NA	NA	NA	3312.90	Sampled
MW-6	12/07/23	3362.60	63.50	ND	49.81	ND	NA	NA	6.00	3312.79	Sampled
MW-6	03/20/24	3362.60	63.50	ND	49.52	ND	NA	NA	6.00	3313.08	
MW-6	06/11/24	3362.60	63.50	ND	49.55	ND	NA	NA	7.00	3313.05	Sampled
MW-6	09/26/24	3362.60	63.50	ND	49.48	ND	NA	NA	10.00	3313.12	Sampled
MW-6	12/04/24	3362.60	63.52	ND	49.75	ND	NA	NA	NA	3312.85	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

TABLE 2
2018-2024 Cumulative 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	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
MW-7	03/15/22	3362.75	63.75	ND	49.70	ND	NA	NA	NA	3313.05	Sampled
MW-7	06/23/22	3362.75	63.75	ND	49.75	ND	NA	NA	NA	3313.00	Sampled
MW-7	09/28/22	3362.75	63.75	ND	49.95	ND	NA	NA	NA	3312.80	Sampled
MW-7	12/08/22	3362.75	63.75	ND	49.85	ND	NA	NA	NA	3312.90	Sampled
MW-7	12/08/22	3362.75	63.75	ND	49.85	ND	NA	NA	NA	3312.90	Sampled
MW-7	12/08/22	3362.75	63.75	ND	49.85	ND	NA	NA	NA	3312.90	Sampled
MW-7	03/07/23	3362.75	63.75	ND	49.72	ND	NA	NA	NA	3313.03	
MW-7	06/21/23	3362.75	63.75	ND	49.68	ND	NA	NA	NA	3313.07	Sampled
MW-7	09/28/23	3362.75	63.75	ND	49.90	ND	NA	NA	NA	3312.85	Sampled
MW-7	12/07/23	3362.75	63.75	ND	49.88	ND	NA	NA	7.00	3312.87	Sampled
MW-7	03/20/24	3362.75	63.75	ND	49.75	ND	NA	NA	NA	3313.00	
MW-7	06/11/24	3362.75	63.75	ND	49.80	ND	NA	NA	7.00	3312.95	Sampled
MW-7	09/26/24	3362.75	63.75	ND	49.61	ND	NA	NA	NA	3313.14	
MW-7	12/04/24	3362.75	63.62	ND	49.95	ND	NA	NA	NA	3312.80	Sampled
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	

TABLE 2
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Vacuum to Jal 14" Mainline #5
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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-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	
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	

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Vacuum to Jal 14" Mainline #5
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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-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	

TABLE 2
2018-2024 Cumulative 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	11/14/19	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	

TABLE 2
2018-2024 Cumulative 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	07/29/21	3362.10	61.65	sheen	48.40	sheen	NA	ND	10.00	3313.70	
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-1	01/05/22	3362.10	61.65	ND	48.45	ND	NA	ND	10.00	3313.65	
RW-1	01/13/22	3362.10	61.65	sheen	48.49	sheen	NA	Sheen	10.00	3313.61	
RW-1	02/18/22	3362.10	61.65	ND	48.39	ND	NA	Sheen	10.00	3313.71	
RW-1	03/11/22	3362.10	61.65	ND	48.29	ND	NA	Sheen	10.00	3313.81	
RW-1	03/15/22	3362.10	61.65	ND	48.33	ND	NA	Sheen	10.00	3313.77	
RW-1	03/22/22	3362.10	61.65	ND	48.31	ND	NA	Sheen	10.00	3313.79	
RW-1	04/01/22	3362.10	61.65	ND	48.34	ND	NA	Sheen	10.00	3313.76	
RW-1	04/08/22	3362.10	61.65	sheen	48.37	sheen	NA	Sheen	10.00	3313.73	
RW-1	04/21/22	3362.10	61.65	48.40	48.41	0.01	NA	Sheen	10.00	3313.70	
RW-1	05/05/22	3362.10	61.65	sheen	48.35	sheen	NA	Sheen	10.00	3313.75	
RW-1	06/23/22	3362.10	61.65	Sheen	48.40	Sheen	NA	Sheen	10.00	3313.70	
RW-1	06/30/22	3362.10	61.65	ND	48.42	ND	NA	Sheen	10.00	3313.68	
RW-1	07/27/22	3362.10	61.65	sheen	48.48	sheen	NA	Sheen	10.00	3313.62	
RW-1	08/18/22	3362.10	61.65	sheen	48.49	sheen	NA	Sheen	10.00	3313.61	
RW-1	09/21/22	3362.10	61.65	ND	48.55	ND	NA	Sheen	10.00	3313.55	
RW-1	09/28/22	3362.10	61.65	ND	48.60	ND	NA	Sheen	10.00	3313.50	
RW-1	10/07/22	3362.10	61.65	ND	48.60	ND	NA	Sheen	10.00	3313.50	
RW-1	12/08/22	3362.10	61.65	48.52	48.54	0.02	NA	NA	NA	3313.58	
RW-1	01/18/23	3362.10	61.65	48.49	48.50	0.01	NA	Sheen	10.00	3313.61	
RW-1	03/07/23	3362.10	61.65	ND	48.40	ND	NA	NA	25.00	3313.70	Sampled
RW-1	06/21/23	3362.10	61.65	48.29	48.30	0.01	NA	Sheen	10.00	3313.81	Sampled
RW-1	07/27/23	3362.10	61.65	48.32	48.35	0.03	NA	1.00	9.00	3313.78	
RW-1	08/31/23	3362.10	61.65	48.48	48.51	0.03	NA	NA	10.00	3313.62	
RW-1	09/22/23	3362.10	61.65	ND	48.55	ND	NA	NA	10.00	3313.55	
RW-1	09/28/23	3362.10	60.80	ND	48.59	ND	NA	NA	25.00	3313.51	Sampled
RW-1	11/01/23	3362.10	61.65	sheen	48.62	sheen	NA	Sheen	10.00	3313.48	

TABLE 2
2018-2024 Cumulative 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	11/21/23	3362.10	61.65	ND	48.58	ND	NA	NA	10.00	3313.52	
RW-1	12/07/23	3362.10	61.65	ND	48.63	ND	NA	NA	6.00	3313.47	Sampled
RW-1	12/20/23	3362.10	61.65	ND	48.62	ND	NA	NA	10.00	3313.48	
RW-1	01/31/24	3362.10	61.65	ND	48.65	ND	NA	NA	10.00	3313.45	
RW-1	02/14/24	3362.10	61.65	ND	48.58	ND	NA	NA	10.00	3313.52	
RW-1	03/05/24	3362.10	61.65	48.41	48.43	0.02	NA	1.00	9.00	3313.69	
RW-1	03/14/24	3362.10	61.65	48.36	48.37	0.01	NA	Sheen	10.00	3313.74	
RW-1	03/20/24	3362.10	60.80	48.43	48.45	0.02	NA	Sheen	20.00	3313.67	
RW-1	04/03/24	3362.10	60.80	ND	48.45	ND	NA	Sheen	10.00	3313.65	
RW-1	05/01/24	3362.10	60.80	sheen	48.41	sheen	NA	ND	8.00	3313.69	
RW-1	05/17/24	3362.10	60.80	sheen	48.38	sheen	NA	ND	8.00	3313.72	Sampled
RW-1	06/11/24	3362.10	60.80	ND	48.45	ND	NA	ND	20.00	3313.65	Sampled
RW-1	07/10/24	3362.10	60.78	sheen	48.54	sheen	NA	ND	9.00	3313.56	
RW-1	08/05/24	3362.10	60.78	ND	48.65	ND	NA	NA	NA	3313.45	
RW-1	08/09/24	3362.10	60.78	ND	48.38	ND	NA	ND	9.00	3313.72	
RW-1	09/26/24	3362.10	60.80	ND	48.78	ND	NA	ND	25.00	3313.32	Sampled
RW-1	10/10/24	3362.10	60.80	Sheen	48.54	Sheen	NA	ND	9.00	3313.56	
RW-1	12/04/24	3362.10	60.81	Sheen	48.65	Sheen	NA	0.00	0.00	3313.45	Sampled
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	

TABLE 2
2018-2024 Cumulative 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	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	

TABLE 2
2018-2024 Cumulative 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	03/12/19	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	

TABLE 2
2018-2024 Cumulative 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	01/09/20	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	
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	

TABLE 2
2018-2024 Cumulative 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	11/23/21	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-2	01/05/22	3362.00	63.40	48.60	48.68	0.08	NA	sheen	10.00	3313.39	
RW-2	01/13/22	3362.00	63.40	48.55	48.56	0.01	NA	sheen	10.00	3313.45	
RW-2	02/18/22	3362.00	63.40	sheen	48.57	sheen	NA	sheen	10.00	3313.43	
RW-2	03/11/22	3362.00	63.40	sheen	48.48	sheen	NA	NA	10.00	3313.52	
RW-2	03/15/22	3362.00	63.40	sheen	48.50	sheen	NA	sheen	10.00	3313.50	
RW-2	03/22/22	3362.00	63.40	sheen	48.50	sheen	NA	NA	10.00	3313.50	
RW-2	04/01/22	3362.00	63.40	sheen	48.52	sheen	NA	sheen	10.00	3313.48	
RW-2	04/08/22	3362.00	63.40	48.53	48.56	0.03	NA	sheen	10.00	3313.47	
RW-2	04/21/22	3362.00	63.40	48.58	48.60	0.02	NA	sheen	10.00	3313.42	
RW-2	05/05/22	3362.00	63.40	48.50	48.52	0.02	NA	sheen	10.00	3313.50	
RW-2	06/23/22	3362.00	63.40	48.56	48.58	0.02	NA	0.25	9.75	3313.44	
RW-2	06/30/22	3362.00	63.40	48.58	48.70	0.12	NA	sheen	10.00	3313.40	
RW-2	07/27/22	3362.00	63.40	48.58	48.71	0.13	NA	sheen	10.00	3313.40	
RW-2	08/18/22	3362.00	63.40	48.64	48.75	0.11	NA	sheen	10.00	3313.34	
RW-2	09/21/22	3362.00	63.40	48.70	49.01	0.31	NA	1.00	9.00	3313.25	
RW-2	09/28/22	3362.00	63.40	48.75	49.20	0.45	NA	0.25	9.75	3313.18	
RW-2	10/07/22	3362.00	63.40	sheen	48.78	sheen	NA	0.25	9.75	3313.22	
RW-2	12/08/22	3362.00	63.40	48.65	48.80	0.15	NA	0.25	9.75	3313.33	
RW-2	01/18/23	3362.00	63.40	48.63	48.75	0.12	NA	sheen	10.00	3313.35	
RW-2	03/07/23	3362.00	63.40	48.55	48.61	0.06	NA	NA	NA	3313.44	
RW-2	06/21/23	3362.00	63.40	48.45	48.60	0.15	NA	0.25	9.75	3313.53	Sampled
RW-2	07/27/23	3362.00	63.40	48.48	48.56	0.08	NA	1.00	9.00	3313.51	
RW-2	08/31/23	3362.00	63.40	48.62	48.71	0.09	NA	2.00	13.00	3313.37	
RW-2	09/22/23	3362.00	63.40	49.69	49.73	0.04	NA	1.50	8.50	3312.30	
RW-2	09/28/23	3362.00	66.00	49.71	49.88	0.17	NA	1.50	8.50	3312.26	
RW-2	11/01/23	3362.00	66.00	49.73	49.90	0.17	NA	1.50	8.50	3312.24	
RW-2	11/21/23	3362.00	63.40	49.78	49.85	0.07	NA	1.00	9.00	3312.21	
RW-2	12/07/23	3362.00	63.40	49.67	49.78	0.11	NA	NA	NA	3312.31	
RW-2	12/20/23	3362.00	63.40	49.74	49.76	0.02	NA	NA	10.00	3312.26	
RW-2	01/31/24	3362.00	63.40	49.75	49.77	0.02	NA	NA	10.00	3312.25	
RW-2	02/14/24	3362.00	63.40	49.84	49.89	0.05	NA	0.25	9.75	3312.15	
RW-2	03/05/24	3362.00	63.40	48.55	49.13	0.58	NA	1.50	8.50	3313.36	
RW-2	03/14/24	3362.00	63.40	48.53	49.02	0.49	NA	1.50	8.50	3313.40	

TABLE 2
2018-2024 Cumulative 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	03/20/24	3362.00	66.00	48.58	49.50	0.92	NA	1.5	18.5	3313.28	
RW-2	04/03/24	3362.00	66.00	48.51	49.42	0.91	NA	1.5	8.5	3313.35	
RW-2	05/01/24	3362.00	66.00	48.51	48.95	0.44	NA	0.25	7.75	3313.42	
RW-2	05/17/24	3362.00	66.00	48.51	48.80	0.29	NA	0.5	7.5	3313.45	Sampled
RW-2	06/11/24	3362.00	66.00	48.60	49.20	0.60	NA	1.5	33.5	3313.31	Sampled
RW-2	07/10/24	3362.00	66.03	48.65	50.30	1.65	NA	2	7	3313.10	
RW-2	08/05/24	3362.00	66.03	47.75	48.69	0.94	NA	2	13	3314.11	
RW-2	08/09/24	3362.00	66.03	48.63	49.34	0.71	NA	2	7	3313.26	
RW-2	09/26/24	3362.00	66.03	47.81	48.53	0.72	NA	NA	NA	3314.08	
RW-2	10/10/24	3362.00	66.03	48.65	50.30	1.65	NA	2	7	3313.10	
RW-2	12/04/24	3362.00	66.03	48.71	48.94	0.23	NA	1.5	7.5	3313.26	
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	
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	

TABLE 2
2018-2024 Cumulative 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	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	

TABLE 2
2018-2024 Cumulative 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	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	

TABLE 2
2018-2024 Cumulative 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	12/03/19	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-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	

TABLE 2
2018-2024 Cumulative 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	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	
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-3	01/05/22	3361.93	63.80	sheen	49.14	sheen	NA	sheen	10.00	3312.79	
RW-3	01/13/22	3361.93	63.80	sheen	49.04	sheen	NA	sheen	10.00	3312.89	
RW-3	02/18/22	3361.93	63.80	49.05	49.10	0.05	NA	0.25	9.75	3312.87	
RW-3	03/11/22	3361.93	63.80	sheen	48.97	sheen	NA	sheen	10.00	3312.96	
RW-3	03/15/22	3361.93	63.80	49.02	49.08	0.06	NA	sheen	10.00	3312.90	
RW-3	03/22/22	3361.93	63.80	sheen	49.00	sheen	NA	sheen	10.00	3312.93	
RW-3	04/01/22	3361.93	63.80	sheen	48.96	sheen	NA	sheen	10.00	3312.97	
RW-3	04/08/22	3361.93	63.80	49.04	49.05	0.01	NA	sheen	10.00	3312.89	
RW-3	04/21/22	3361.93	63.80	sheen	49.10	sheen	NA	sheen	10.00	3312.83	
RW-3	05/05/22	3361.93	63.80	49.02	49.06	0.04	NA	0.25	9.75	3312.90	
RW-3	06/23/22	3361.93	63.80	49.08	49.11	0.03	NA	0.25	9.75	3312.85	
RW-3	06/30/22	3361.93	63.80	sheen	49.11	sheen	NA	sheen	10.00	3312.82	
RW-3	07/27/22	3361.93	63.80	sheen	49.10	sheen	NA	sheen	10.00	3312.83	
RW-3	08/18/22	3361.93	63.80	sheen	49.17	sheen	NA	sheen	10.00	3312.76	
RW-3	09/21/22	3361.93	63.80	49.22	49.25	0.03	NA	1.00	9.00	3312.71	
RW-3	09/28/22	3361.93	63.80	ND	49.30	ND	NA	ND	10.00	3312.63	
RW-3	10/07/22	3361.93	63.80	ND	49.30	ND	NA	ND	10.00	3312.63	
RW-3	12/08/22	3361.93	63.80	49.20	49.22	0.02	NA	0.25	9.75	3312.73	
RW-3	01/18/23	3361.93	63.80	49.16	49.17	0.01	NA	sheen	10.00	3312.77	
RW-3	03/07/23	3361.93	63.80	49.07	49.08	0.01	NA	NA	NA	3312.86	
RW-3	06/21/23	3361.93	63.80	48.88	49.00	0.12	NA	0.25	9.75	3313.03	Sampled
RW-3	07/27/23	3361.93	63.80	48.79	49.08	0.29	NA	1.00	9.00	3313.10	
RW-3	08/31/23	3361.93	63.80	49.15	49.29	0.14	NA	sheen	10.00	3312.76	
RW-3	09/22/23	3361.93	63.80	ND	49.29	ND	NA	ND	10.00	3312.64	
RW-3	09/28/23	3361.93	63.80	ND	49.26	ND	NA	NA	25.00	3312.67	Sampled
RW-3	11/01/23	3361.93	63.80	ND	49.30	ND	NA	NA	NA	3312.63	
RW-3	11/21/23	3361.93	63.80	ND	49.69	ND	NA	ND	10.00	3312.24	
RW-3	12/07/23	3361.93	63.80	ND	49.31	ND	NA	ND	28.00	3312.62	Sampled

TABLE 2
2018-2024 Cumulative 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	12/20/23	3361.93	63.80	ND	49.32	ND	NA	ND	10.00	3312.61	
RW-3	01/31/24	3361.93	63.80	ND	49.36	ND	NA	ND	10.00	3312.57	
RW-3	02/14/24	3361.93	63.80	ND	49.43	ND	NA	ND	10.00	3312.50	
RW-3	03/05/24	3361.93	63.80	49.09	49.10	0.01	NA	ND	10.00	3312.84	
RW-3	03/14/24	3361.93	63.80	49.08	49.15	0.07	NA	sheen	10.00	3312.84	
RW-3	03/20/24	3361.93	63.71	49.08	49.11	0.03	NA	0.25	19.75	3312.85	
RW-3	04/03/24	3361.93	63.71	49.12	49.13	0.01	NA	ND	10.00	3312.81	
RW-3	05/01/24	3361.93	63.71	ND	49.05	ND	NA	ND	8.00	3312.88	
RW-3	05/17/24	3361.93	63.71	ND	49.05	ND	NA	0.75	7.25	3312.88	
RW-3	06/11/24	3361.93	63.71	ND	49.12	ND	NA	ND	30.00	3312.81	Sampled
RW-3	07/10/24	3361.93	63.70	sheen	49.18	sheen	NA	sheen	9.00	3312.75	
RW-3	08/05/24	3361.93	63.70	ND	49.50	ND	NA	ND	9.00	3312.43	
RW-3	08/09/24	3361.93	63.70	ND	48.84	ND	NA	ND	9.00	3313.09	
RW-3	09/26/24	3361.93	63.70	ND	49.30	ND	NA	ND	30.00	3312.63	Sampled
RW-3	10/10/24	3361.93	63.70	Sheen	49.18	Sheen	NA	ND	9.00	3312.75	
RW-3	12/04/24	3361.93	63.71	ND	49.30	ND	NA	NA	NA	3312.63	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
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-4	03/15/22	3363.22	63.65	ND	48.77	ND	NA	NA	NA	3314.45	Sampled
RW-4	06/23/22	3363.22	63.65	ND	48.60	ND	NA	NA	NA	3314.62	Sampled
RW-4	09/28/22	3363.22	63.65	ND	48.98	ND	NA	NA	NA	3314.24	Sampled

TABLE 2
2018-2024 Cumulative 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	12/08/22	3363.22	63.65	ND	48.95	ND	NA	NA	NA	3314.27	Sampled
RW-4	03/07/23	3363.22	63.65	ND	48.82	ND	NA	NA	NA	3314.40	
RW-4	06/21/23	3363.22	63.65	ND	48.75	ND	NA	NA	NA	3314.47	Sampled
RW-4	09/28/23	3363.22	63.65	ND	49.00	ND	NA	NA	NA	3314.22	Sampled
RW-4	12/07/23	3363.22	63.65	ND	49.09	ND	NA	NA	29.00	3314.13	Sampled
RW-4	03/20/24	3363.22	63.65	ND	48.85	ND	NA	NA	NA	3314.37	
RW-4	06/11/24	3363.22	63.65	ND	48.85	ND	NA	NA	30.00	3314.37	Sampled
RW-4	09/26/24	3363.22	63.65	ND	48.91	ND	NA	NA	NA	3314.31	
RW-4	12/04/24	3363.22	63.60	ND	49.05	ND	NA	NA	NA	3314.17	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-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	03/15/22	3362.38	64.07	ND	48.42	ND	NA	NA	NA	3313.96	Sampled
RW-5	06/23/22	3362.38	64.07	ND	48.48	ND	NA	NA	NA	3313.90	Sampled
RW-5	12/16/21	3362.38	64.07	ND	48.45	ND	NA	NA	NA	3313.93	
RW-5	06/23/22	3362.38	64.07	ND	48.48	ND	NA	NA	NA	3313.90	
RW-5	09/28/22	3362.38	64.07	ND	48.63	ND	NA	NA	NA	3313.75	
RW-5	12/08/22	3362.38	64.07	ND	40.60	ND	NA	NA	NA	3321.78	Sampled
RW-5	03/07/23	3362.38	64.07	ND	48.46	ND	NA	NA	NA	3313.92	
RW-5	06/21/23	3362.38	64.07	ND	48.40	ND	NA	NA	NA	3313.98	Sampled
RW-5	09/28/23	3362.38	64.07	ND	48.65	ND	NA	NA	NA	3313.73	Sampled
RW-5	12/07/23	3362.38	64.07	ND	48.60	ND	NA	NA	30.00	3313.78	Sampled
RW-5	03/20/24	3362.38	64.07	ND	48.51	ND	NA	NA	NA	3313.87	

TABLE 2
2018-2024 Cumulative 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	06/11/24	3362.38	64.07	ND	48.50	ND	NA	NA	30.00	3313.88	Sampled
RW-5	09/26/24	3362.38	64.10	ND	48.47	ND	NA	NA	NA	3313.91	
RW-5	12/04/24	3362.38	64.13	ND	48.70	ND	NA	NA	NA	3313.68	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-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-6	12/16/21	3363.11	64.27	ND	49.75	ND	NA	NA	NA	3313.36	Sampled
RW-6	03/15/22	3363.11	64.27	ND	49.70	ND	NA	NA	NA	3313.41	Sampled
RW-6	06/23/22	3363.11	64.27	ND	49.76	ND	NA	NA	NA	3313.35	Sampled
RW-6	09/28/22	3363.11	64.27	ND	49.46	ND	NA	NA	NA	3313.65	Sampled
RW-6	12/08/22	3363.11	64.27	ND	49.87	ND	NA	NA	NA	3313.24	Sampled
RW-6	03/07/23	3363.11	64.27	ND	49.74	ND	NA	NA	NA	3313.37	
RW-6	06/21/23	3363.11	64.27	ND	49.70	ND	NA	NA	NA	3313.41	Sampled
RW-6	09/28/23	3363.11	64.27	ND	49.95	ND	NA	NA	NA	3313.16	Sampled
RW-6	12/07/23	3363.11	64.27	ND	49.90	ND	NA	NA	28.00	3313.21	Sampled
RW-6	03/20/24	3363.11	64.27	ND	49.78	ND	NA	NA	NA	3313.33	Sampled
RW-6	06/11/24	3363.11	64.27	ND	49.80	ND	NA	NA	30.00	3313.31	Sampled
RW-6	09/26/24	3363.11	64.30	ND	49.71	ND	NA	NA	NA	3313.40	
RW-6	12/04/24	3363.11	64.21	ND	49.98	ND	NA	NA	NA	3313.13	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

TABLE 2
2018-2024 Cumulative 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	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-7	12/16/21	3362.52	68.56	ND	48.41	ND	NA	NA	NA	3314.11	Sampled
RW-7	06/23/22	3362.52	68.56	ND	48.45	ND	NA	NA	NA	3314.07	Sampled
RW-7	09/28/22	3362.52	68.56	ND	48.62	ND	NA	NA	NA	3313.90	Sampled
RW-7	12/08/22	3362.52	68.56	ND	48.55	ND	NA	NA	NA	3313.97	Sampled
RW-7	03/07/23	3362.52	68.56	ND	48.41	ND	NA	NA	40.00	3314.11	Sampled
RW-7	06/21/23	3362.52	68.56	ND	48.35	ND	NA	NA	NA	3314.17	Sampled
RW-7	09/28/23	3362.52	68.56	ND	48.60	ND	NA	NA	NA	3313.92	Sampled
RW-7	12/07/23	3362.52	68.56	ND	48.58	ND	NA	NA	40.00	3313.94	Sampled
RW-7	03/20/24	3362.52	68.56	ND	48.46	ND	NA	NA	NA	3314.06	Sampled
RW-7	06/11/24	3362.52	68.56	ND	48.45	ND	NA	NA	40.00	3314.07	Sampled
RW-7	09/26/24	3362.52	68.50	ND	48.65	ND	NA	NA	NA	3313.87	
RW-7	12/04/24	3362.52	68.51	ND	48.65	ND	NA	NA	NA	3313.87	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
2018-2024 Cumulative 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	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	

TABLE 2
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Vacuum to Jal 14" Mainline #5
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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	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	
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	

TABLE 2
2018-2024 Cumulative Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
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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	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	

TABLE 2
2018-2024 Cumulative 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	10/08/20	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	
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	
RW-8	01/05/22	3362.52	68.34	49.13	49.18	0.05	NA	0.25	9.75	3313.38	
RW-8	01/13/22	3362.52	68.34	49.04	49.05	0.01	NA	sheen	10.00	3313.48	
RW-8	02/18/22	3362.52	68.34	49.04	49.09	0.05	NA	0.25	9.75	3313.47	
RW-8	03/11/22	3362.52	68.34	sheen	49.02	sheen	NA	sheen	10.00	3313.50	
RW-8	03/15/22	3362.52	68.34	49.00	49.03	0.03	NA	sheen	10.00	3313.52	
RW-8	04/01/22	3362.52	68.34	sheen	48.98	sheen	NA	sheen	10.00	3313.54	
RW-8	03/22/22	3362.52	68.34	sheen	49.00	sheen	NA	sheen	10.00	3313.52	
RW-8	04/08/22	3362.52	68.34	49.04	49.28	0.24	NA	0.25	9.75	3313.44	
RW-8	04/21/22	3362.52	68.34	49.11	49.32	0.21	NA	sheen	10.00	3313.38	
RW-8	05/05/22	3362.52	68.34	49.02	49.20	0.18	NA	0.25	9.75	3313.47	
RW-8	06/23/22	3362.52	68.34	48.91	49.08	0.17	NA	sheen	10.00	3313.58	
RW-8	06/30/22	3362.52	68.34	49.08	49.16	0.08	NA	sheen	10.00	3313.43	
RW-8	07/27/22	3362.52	68.34	49.10	49.26	0.16	NA	sheen	10.00	3313.40	
RW-8	08/18/22	3362.52	68.34	49.15	49.48	0.33	NA	sheen	10.00	3313.32	
RW-8	09/21/22	3362.52	68.34	49.22	49.45	0.23	NA	0.25	9.75	3313.27	

TABLE 2
2018-2024 Cumulative 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	09/28/22	3362.52	68.34	49.22	49.28	0.06	NA	1.00	9.00	3313.29	
RW-8	10/07/22	3362.52	68.34	49.30	49.38	0.08	NA	1.00	9.00	3313.21	
RW-8	12/08/22	3362.52	68.34	49.16	49.21	0.05	NA	2.00	23.00	3313.35	
RW-8	01/18/23	3362.52	68.34	49.14	49.16	0.02	NA	sheen	10.00	3313.38	
RW-8	03/07/23	3362.52	68.34	49.04	49.05	0.01	NA	NA	NA	3313.48	
RW-8	06/21/23	3362.52	68.34	48.95	49.25	0.30	NA	2.00	23.00	3313.53	Sampled
RW-8	07/27/23	3362.52	68.34	48.92	49.24	0.32	NA	1.00	9.00	3313.55	
RW-8	08/31/23	3362.52	68.34	49.15	49.26	0.11	NA	sheen	10.00	3313.35	
RW-8	09/22/23	3362.52	68.34	49.25	49.39	0.14	NA	1.00	10.00	3313.25	
RW-8	09/28/23	3362.52	68.34	49.23	49.40	0.17	NA	1.50	8.50	3313.26	
RW-8	11/01/23	3362.52	68.34	49.30	49.45	0.15	NA	2.00	8.00	3313.20	
RW-8	11/21/23	3362.52	68.34	49.28	49.51	0.23	NA	2.00	8.00	3313.21	
RW-8	12/07/23	3362.52	68.34	49.00	49.55	0.55	NA	NA	NA	3313.44	
RW-8	12/20/23	3362.52	68.34	49.25	49.38	0.13	NA	1.50	8.50	3313.25	
RW-8	01/31/24	3362.52	68.34	49.28	49.38	0.10	NA	2.00	8.00	3313.23	
RW-8	02/14/24	3362.52	68.34	49.31	49.44	0.13	NA	1.50	8.50	3313.19	
RW-8	03/05/24	3362.52	68.34	49.05	49.07	0.02	NA	0.00	10.00	3313.47	
RW-8	03/14/24	3362.52	68.34	49.02	49.04	0.02	NA	0.00	10.00	3313.50	
RW-8	03/20/24	3362.52	70.44	49.09	49.70	0.61	NA	1.50	18.50	3313.34	
RW-8	04/03/24	3362.52	70.44	48.89	49.57	0.68	NA	1.50	18.50	3313.53	
RW-8	05/01/24	3362.52	70.44	49.05	49.25	0.20	NA	0.75	7.00	3313.44	
RW-8	05/17/24	3362.52	70.44	49.00	49.15	0.15	NA	1.00	7.00	3313.50	
RW-8	06/11/24	3362.52	70.44	49.10	49.35	0.25	NA	1.00	40.00	3313.38	Sampled
RW-8	07/10/24	3362.52	70.44	49.16	50.45	1.29	NA	1.50	7.50	3313.17	
RW-8	08/05/24	3362.52	70.44	49.30	49.66	0.36	NA	1.50	7.50	3313.17	
RW-8	08/09/24	3362.52	70.44	49.23	49.32	0.09	NA	1.50	7.50	3313.28	
RW-8	09/26/24	3362.52	70.42	49.41	49.82	0.41	NA	NA	NA	3313.05	
RW-8	10/10/24	3362.52	70.42	49.16	50.45	1.29	NA	1.50	7.50	3313.17	
RW-8	12/04/24	3362.52	70.42	49.30	50.08	0.78	NA	1.00	8.00	3313.10	

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
2021-2024 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B			
			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	03/25/21	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-1	03/16/22	NS	NS	NS	NS	NS
MW-1	06/23/22	L1509144-01	<0.0000941	<0.000278	<0.000137	<0.000174
MW-1	09/28/22	L1541769-01	<0.0000941	<0.000278	<0.000137	<0.000174
MW-1	12/09/22	L1566269-01	<0.000493	<0.000998	<0.000462	<0.00132
MW-1	03/08/23	NS	NS	NS	NS	NS
MW-1	06/21/23	L1629230-01	<0.0000941	<0.000278	<0.000137	<0.000174
MW-1	09/29/23	L1629230-02	<0.000493	<0.000998	<0.000462	<0.00132
MW-1	12/08/23		<0.0000941	<0.000278	<0.000137	<0.000174
MW-1	03/21/24	NS	NS	NS	NS	NS
MW-1	06/12/24	HS24060908-01	<0.0002	<0.0002	<0.0003	<0.0003
MW-1	09/27/24	NS	NS	NS	NS	NS
MW-1	12/05/24	HS24120423-01	<0.0002	<0.0002	<0.0003	<0.0003
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-2	03/16/22	NS	NS	NS	NS	NS
MW-2	06/23/22	L1509144-02	<0.0000941	<0.000278	<0.000137	<0.000174
MW-2	09/28/22	L1541769-02	<0.0000941	<0.000278	<0.000137	<0.000174
MW-2	12/09/22	L1566269-02	<0.000493	<0.000998	<0.000462	<0.00132
MW-2	03/08/23	NS	NS	NS	NS	NS
MW-2	06/21/23	L1629230-02	<0.0000941	<0.000278	<0.000137	<0.000174
MW-2	09/29/23	L1629230-02	<0.000493	<0.000998	<0.000462	<0.00132
MW-2	12/08/23		<0.0000941	<0.000278	<0.000137	<0.000174
MW-2	03/21/24	NS	NS	NS	NS	NS
MW-2	06/11/24	HS24060908-02	<0.0002	<0.0002	<0.0003	<0.0003
MW-2	09/27/24	NS	NS	NS	NS	NS
MW-2	12/05/24	HS24120423-02	<0.0002	<0.0002	<0.0003	<0.0003
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-3	03/16/22	l1473398-01	<0.001	<0.001	<0.001	<0.003

TABLE 3
2021-2024 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B			
			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	06/23/22	L1509144-03	<0.0000941	<0.000278	<0.000137	<0.000174
MW-3	09/28/22	L1541769-03	<0.0000941	<0.000278	<0.000137	<0.000174
MW-3	12/09/22	L1566269-03	<0.000493	<0.000998	<0.000462	<0.00132
MW-3	03/08/23	L1594221-01	<0.0000941	<0.000278	<0.000137	<0.000174
MW-3	06/21/23	L1629230-03	<0.0000941	<0.000278	<0.000137	<0.000174
MW-3	09/29/23	L1629230-02	<0.000493	<0.000998	<0.000462	<0.00132
MW-3	12/08/23		<0.0000941	<0.000278	<0.000137	<0.000174
MW-3	03/21/24	HS24031375-01	<0.0002	<0.0002	<0.0003	<0.0003
MW-3	06/11/24	HS24060908-03	<0.0002	<0.0002	<0.0003	<0.0003
MW-3	09/27/24	HS24091549-01	<0.0002	0.0039	<0.0003	0.0029 J
MW-3	12/05/24	HS24120423-03	<0.0002	<0.0002	<0.0003	<0.0003
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-4	03/16/22	NS	NS	NS	NS	NS
MW-4	06/23/22	L1509144-04	<0.0000941	<0.000278	<0.000137	<0.000174
MW-4	09/28/22	L1541769-04	<0.0000941	<0.000278	<0.000137	<0.000174
MW-4	12/09/22	L1566269-04	<0.000493	<0.000998	<0.000462	<0.00132
MW-4	03/08/23	NS	NS	NS	NS	NS
MW-4	06/22/23	L1566269-04	<0.0000941	<0.000278	<0.000137	<0.000174
MW-4	09/29/23	L1629230-02	<0.000493	<0.000998	<0.000462	<0.00132
MW-4	12/08/23		<0.0000941	<0.000278	<0.000137	<0.000174
MW-4	03/21/24	NS	NS	NS	NS	NS
MW-4	06/13/24	HS24060908-04	<0.0002	<0.0002	<0.0003	<0.0003
MW-4	09/27/24	NS	NS	NS	NS	NS
MW-4	12/05/24	HS24120423-04	<0.0002	<0.0002	<0.0003	<0.0003
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-5	03/16/22	L1473398-02	<0.001	<0.001	<0.001	<0.003
MW-5	06/23/22	L1509144-05	<0.0000941	<0.000278	<0.000137	<0.000174
MW-5	09/28/22	L1541769-05	<0.0000941	<0.000278	<0.000137	<0.000174
MW-5	12/09/22	L1566269-05	<0.000493	<0.000998	<0.000462	<0.00132
MW-5	03/08/23	NS	NS	NS	NS	NS
MW-5	06/22/23	L1629230-05	<0.0000941	<0.000278	<0.000137	<0.000174

TABLE 3
2021-2024 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B			
			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	09/29/23	L1629230-02	<0.000493	<0.000998	<0.000462	<0.00132
MW-5	12/08/23		<0.0000941	<0.000278	<0.000137	<0.000174
MW-5	03/21/24	HS24031375-02	<0.0002	<0.0002	<0.0003	<0.0003
MW-5	06/13/24	HS24060908-05	<0.0002	<0.0002	<0.0003	<0.0003
MW-5	09/27/24	NS	NS	NS	NS	NS
MW-5	12/05/24	HS24120423-05	<0.0002	<0.0002	<0.0003	<0.0003
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-6	03/16/22	NS	NS	NS	NS	NS
MW-6	06/23/22	L1509144-06	<0.0000941	<0.000278	<0.000137	<0.000174
MW-6	09/28/22	L1541769-06	<0.0000941	<0.000278	<0.000137	<0.000174
MW-6	12/09/22	L1566269-06	<0.000493	<0.000998	<0.000462	<0.00132
MW-6	03/08/23	L15942214-02	<0.0000941	<0.000278	<0.000137	<0.000174
MW-6	06/22/23	L1629230-06	<0.0000941	<0.000278	<0.000137	<0.000174
MW-6	09/29/23	L1629230-02	<0.000493	<0.000998	<0.000462	<0.00132
MW-6	12/08/23		<0.0000941	<0.000278	<0.000137	<0.000174
MW-6	03/21/24	NS	NS	NS	NS	NS
MW-6	06/13/24	HS24060908-06	<0.0002	<0.0002	<0.0003	<0.0003
MW-6	09/27/24	HS24091549-02	<0.0002	0.00073 J	<0.0003	0.00056 J
MW-6	12/05/24	HS24120423-06	<0.0002	<0.0002	<0.0003	<0.0003
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
MW-7	03/16/22	NS	NS	NS	NS	NS
MW-7	06/23/22	L1509144-07	<0.0000941	<0.000278	<0.000137	<0.000174
MW-7	09/28/22	L1541769-07	<0.0000941	<0.000278	<0.000137	<0.000174
MW-7	12/09/22	L1566269-07	<0.000493	<0.000998	<0.000462	<0.00132
MW-7	03/08/23	NS	NS	NS	NS	NS
MW-7	06/21/23	L1629230-07	<0.0000941	<0.000278	<0.000137	<0.000174
MW-7	09/29/23	L1629230-02	0.000935 J	<0.000998	<0.000462	0.00955
MW-7	12/08/23		<0.0000941	<0.000278	<0.000137	<0.000174
MW-7	03/21/24	NS	NS	NS	NS	NS
MW-7	06/13/24	HS24060908-07	<0.0002	<0.0002	<0.0003	<0.0003
MW-7	09/27/24	NS	NS	NS	NS	NS

TABLE 3
2021-2024 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B			
			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	12/05/24	HS24120423-07	<0.0002	<0.0002	<0.0003	<0.0003
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
RW-1	03/16/22	l1473398-03	**0.0128**	0.00141	0.0356	0.0205
RW-1	06/23/22	L1509144-08	0.00478	<0.000278	0.00883	0.0106 J
RW-1	09/28/22	L1541769-08	0.00103	<0.000278	0.00378	0.00494
RW-1	12/09/22	NS	NS	NS	NS	NS
RW-1	03/08/23	L1594221-03	0.000485 J	<0.000278	0.000329 J	0.000767 J
RW-1	06/22/23	L1629230-08	0.000542 J	<0.000278	0.00555	0.0112
RW-1	09/29/23	L1629230-02	<0.000493	<0.000998	<0.000462	<0.00132
RW-1	12/08/23		0.000867 J	<0.000278	<0.000137	0.00774
RW-1	03/21/24	NS	NS	NS	NS	NS
RW-1	06/12/24	HS24060908-08	0.00075 J	<0.0002	<0.00038 J	0.005
RW-1	09/27/24	HS24091549-03	0.0011	0.00057 J	0.00057 J	0.0083
RW-1	12/05/24	HS24120423-08	0.00077 J	<0.0002	<0.0003	0.0073
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
RW-2	03/16/22	L1473398-04	0.00134	<0.001	<0.001	0.00938
RW-2	06/23/22	L1509144-09	0.00546	0.00106	0.00658	0.0373
RW-2	09/28/22	NS	NS	NS	NS	NS
RW-2	12/09/22	NS	NS	NS	NS	NS
RW-2	03/08/23	NS	NS	NS	NS	NS
RW-2	06/22/23	L1629230-09	0.00082 J	<0.000278	0.000415 J	0.00481
RW-2	09/29/23	NS	NS	NS	NS	NS
RW-2	12/08/23	NS	NS	NS	NS	NS
RW-2	03/21/24	NS	NS	NS	NS	NS
RW-2	06/12/24	HS24060908-09	<0.001	<0.001	<0.0015	0.015
RW-2	09/27/24	NS	NS	NS	NS	NS
RW-2	12/05/24	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

TABLE 3
2021-2024 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B			
			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	12/16/21	NS	NS	NS	NS	NS
RW-3	03/16/22	NS	NS	NS	NS	NS
RW-3	06/23/22	L1509144-10	0.000539 J	<0.000278	0.00197	0.00146 J
RW-3	09/28/22	L1541769-09	0.00126	<0.000278	0.00213	0.00174 J
RW-3	12/09/22	NS	NS	NS	NS	NS
RW-3	03/08/23	NS	NS	NS	NS	NS
RW-3	06/22/23	L1629230-10	0.00654	0.00121	0.00544	0.0509
RW-3	09/29/23	L1629230-02	0.000906 J	<0.000998	0.00577	0.00343 J
RW-3	12/08/23		0.00101	<0.000278	0.00165	0.00116 J
RW-3	03/21/24	NS	NS	NS	NS	NS
RW-3	06/12/24	HS24060908-10	<0.0002	<0.0002	<0.0003	<0.0003
RW-3	09/27/24	HS24091549-04	0.00069 J	<0.0002	0.00051 J	0.0020 J
RW-3	12/05/24	HS24120423-09	<0.0002	<0.0002	<0.0003	0.0011 J
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-4	03/16/22	NS	NS	NS	NS	NS
RW-4	06/23/22	L1509144-11	<0.0000941	<0.000278	<0.000137	<0.000174
RW-4	09/28/22	L1541769-10	<0.0000941	<0.000278	<0.000137	<0.000174
RW-4	12/09/22	L1566269-08	<0.000493	<0.000998	<0.000462	<0.00132
RW-4	03/08/23	NS	NS	NS	NS	NS
RW-4	06/22/23	L1629230-11	0.00166	<0.000278	0.00944	0.00629
RW-4	09/29/23	L1629230-12	<0.000493	<0.000998	<0.000462	<0.00132
RW-4	12/08/23		<0.0000941	<0.000278	<0.000137	<0.000174
RW-4	03/21/24	NS	NS	NS	NS	NS
RW-4	06/13/24	HS24060908-11	<0.0002	<0.0002	<0.0003	<0.0003
RW-4	09/27/24	NS	NS	NS	NS	NS
RW-4	12/05/24	HS24120423-10	<0.0002	<0.0002	<0.0003	<0.0003
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-5	03/16/22	NS	NS	NS	NS	NS
RW-5	06/23/22	L1509144-12	<0.0000941	<0.000278	<0.000137	<0.000174
RW-5	09/28/22	L1541769-11	<0.0000941	<0.000278	<0.000137	<0.000174
RW-5	12/09/22	L1566269-09	<0.000493	<0.000998	<0.000462	<0.00132

TABLE 3
2021-2024 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B			
			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	03/08/23	NS	NS	NS	NS	NS
RW-5	06/22/23	L1629230-12	<0.0000941	<0.000278	<0.000137	<0.000174
RW-5	09/29/23	L1629230-12	<0.000493	<0.000998	<0.000462	<0.00132
RW-5	12/08/23		<0.0000941	<0.000278	<0.000137	<0.000174
RW-5	03/21/24	NS	NS	NS	NS	NS
RW-5	06/13/24	HS24060908-12	<0.0002	<0.0002	<0.0003	<0.0003
RW-5	09/27/24	NS	NS	NS	NS	NS
RW-5	12/05/24	HS24120423-11	<0.0002	<0.0002	<0.0003	<0.0003
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-6	03/16/22	NS	NS	NS	NS	NS
RW-6	06/23/22	L1509144-13	<0.0000941	<0.000278	<0.000137	<0.000174
RW-6	09/28/22	L1541769-12	<0.0000941	<0.000278	<0.000137	<0.000174
RW-6	12/09/22	L1566269-10	<0.000493	<0.000998	<0.000462	<0.00132
RW-6	03/08/23	NS	NS	NS	NS	NS
RW-6	06/22/23	L1629230-13	<0.0000941	<0.000278	<0.000137	<0.000174
RW-6	09/29/23	L1629230-12	<0.000493	<0.000998	<0.000462	<0.00132
RW-6	12/08/23		<0.0000941	<0.000278	<0.000137	<0.000174
RW-6	03/21/24	NS	NS	NS	NS	NS
RW-6	06/13/24	HS24060908-13	<0.0002	<0.0002	<0.0003	<0.0003
RW-6	09/27/24	NS	NS	NS	NS	NS
RW-6	12/05/24	HS24120423-12	<0.0002	<0.0002	<0.0003	<0.0003
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-7	03/16/22	L1473398-05	0.00265	<0.001	0.00704	<0.003
RW-7	06/23/22	L1509144-14	0.000332 J	<0.000278	0.00104	<0.000174
RW-7	09/28/22	L1541769-13	0.00175	<0.000278	0.00140	<0.000174
RW-7	12/09/22	L1566269-11	0.00127 J	<0.000998	0.00103 J	<0.00132
RW-7	03/08/23	L1594221-04	0.000199 J	<0.000278	0.000446 J	<0.000174
RW-7	06/22/23	L1629230-14	<0.0000941	<0.000278	<0.000137	<0.000174
RW-7	09/29/23		0.000713 J	<0.000998	<0.000462	<0.00132
RW-7	12/08/23		<0.0000941	<0.000278	<0.000137	<0.000174
RW-7	03/21/24	HS24031375-03	0.00048 J	<0.0002	<0.0003	<0.0003

TABLE 3
2021-2024 Groundwater Analytical Results
Vacuum to Jal 14" Mainline #5
Lea County, New Mexico
NMOC No. 1R-0464

Well Number	Sample Date	Sample ID	SW 846-8021B			
			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	06/13/24	HS24060908-14	<0.0002	<0.0002	<0.0003	<0.0003
RW-7	09/27/24	HS24091549-05	0.00064 J	<0.0002	<0.0003	<0.0003
RW-7	12/05/24	HS24120423-13	0.00057 J	<0.0002	<0.0003	<0.0003
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
RW-8	03/16/22	NS	NS	NS	NS	NS
RW-8	06/23/22	L1509144-15	0.000989 J	<0.000278	0.0219	0.0533
RW-8	03/08/23	NS	NS	NS	NS	NS
RW-8	06/22/23	L1629230-15	0.000571 J	<0.000278	<0.000137	<0.000174
RW-8	09/29/23		NS	NS	NS	NS
RW-8	12/08/23		NS	NS	NS	NS
RW-8	03/21/24	NS	NS	NS	NS	NS
RW-8	06/13/24	HS24060908-15	<0.0002	<0.0002	<0.0003	<0.0003
RW-8	09/27/24	NS	NS	NS	NS	NS
RW-8	12/05/24	NS	NS	NS	NS	NS

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	SW 846-8021B			
		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	**0.557**	0.0032	0.0133	0.0092
MW-1	06/10/06	**0.639** [a]	<0.00036	0.0033	0.0015 J
MW-1	09/12/06	**0.512** [a]	<0.00020	<0.00033	<0.00036
MW-1	12/06/06	**0.452** [a]	<0.00020	0.0049	<0.00036
MW-1	02/28/07	**0.481** [a]	<0.00020	0.0191	<0.00036
MW-1	05/30/07	**0.213** [a]	<0.00023	0.0043	<0.00055
MW-1	09/06/07	**0.066**	<0.00023	0.006	<0.00055
MW-1	11/13/07	**0.0955** [c]	<0.001	0.0091	<0.003
MW-1	02/26/08	**0.0156**	<0.00023	0.00069 J	<0.00055
MW-1	05/28/08	**0.031**	<0.00023	0.0022	<0.00055
MW-1	08/18/08	0.001	<0.0005	<0.0005	<0.001
MW-1	11/19/08	**0.0209**	0.00120	0.00330	<0.00100
MW-1	02/17/09	0.0027	<0.001	<0.001	<0.001
MW-1	05/19/09	0.0004 J	<0.000281	<0.000535	<0.000960
MW-1	08/26/09	<0.000133	<0.000281	<0.000535	<0.000960
MW-1	11/18/09	**0.223**	<0.00332	0.0617	<0.00143
MW-1	02/11/10	**0.0769**	<0.0004	0.0042	<0.000379
MW-1	05/12/10	<0.0010	<0.0010	<0.0010	<0.0030
MW-1	08/26/10	**0.017**	<0.0010	<0.0010	<0.0030
MW-1	11/18/10	0.0077	<0.0010	<0.0010	<0.0030
MW-1	02/23/11	**0.025**	<0.0010	<0.0010	<0.0030
MW-1	06/01/11	0.0004 J	<0.0010	<0.0010	<0.0030
MW-1	08/30/11	<0.001	<0.0010	<0.0010	<0.0030
MW-1	11/28/11	<0.001	<0.0010	<0.0010	<0.0030
MW-1	02/22/12	0.0010	<0.0010	<0.0010	<0.0030
MW-1	05/22/12	<0.001	<0.0010	<0.0010	<0.0030
MW-1	09/11/12	<0.001	<0.001	<0.001	<0.003
MW-1	11/26/12	<0.001	<0.001	<0.001	<0.003
MW-1	02/27/13	<0.001	<0.005	<0.001	<0.003
MW-1	06/11/13	<0.001	<0.005	<0.001	<0.003
MW-1	09/10/13	<0.001	<0.005	<0.001	<0.003
MW-1	11/07/13	0.00046 J	<0.005	<0.001	<0.003
MW-1	03/05/14	<0.001	<0.005	<0.001	<0.003
MW-1	06/03/14	<0.001	<0.005	<0.001	<0.003
MW-1	09/17/14	<0.001	<0.005	<0.001	<0.003
MW-1	11/12/14	<0.001	<0.005	<0.001	<0.003
MW-1	02/25/15	<0.001	<0.005	<0.001	<0.003
MW-1	06/16/15	<0.001	<0.005	<0.001	<0.003
MW-1	08/26/15	<0.001	<0.005	<0.001	<0.003
MW-1	11/17/15	<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	SW 846-8021B			
		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	03/08/16	<0.001	<0.005	<0.001	<0.003
MW-1	05/17/16	<0.001	<0.005	<0.001	<0.003
MW-1	09/19/16	<0.001	<0.005	<0.001	<0.003
MW-1	12/14/16	<0.001	<0.001	<0.001	<0.003
MW-1	02/28/17	<0.001	<0.001	<0.001	<0.003
MW-1	05/08/17	<0.001	<0.001	<0.001	<0.003
MW-1	09/15/17	<0.001	<0.001	<0.001	<0.003
MW-1	11/29/17	<0.001	<0.001	<0.001	<0.003
MW-1	03/07/18	<0.001	<0.001	<0.001	<0.003
MW-1	06/12/18	<0.001	<0.001	<0.001	<0.003
MW-1	09/05/18	<0.001	<0.001	<0.001	<0.003
MW-1	11/28/18	<0.001	<0.001	<0.001	<0.003
MW-1	02/12/19	<0.001	<0.001	<0.001	<0.003
MW-1	05/08/19	<0.001	0.00486	<0.001	<0.003
MW-1	08/22/19	<0.001	<0.001	<0.001	<0.003
MW-1	11/06/19	<0.001	<0.001	<0.001	<0.003
MW-1	03/18/20	<0.001	<0.001	<0.001	<0.003
MW-1	06/17/20	<0.001	<0.001	<0.001	<0.003
MW-1	09/16/20	<0.001	<0.001	<0.001	<0.003
MW-1	12/23/20	<0.001	<0.001	<0.001	<0.003
MW-1	03/25/21	NS	NS	NS	NS
MW-1	06/17/21	<0.001	<0.001	<0.001	<0.003
MW-1	09/16/21	NS	NS	NS	NS
MW-1	12/16/21	<0.001	<0.001	<0.001	<0.003
MW-1	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-1	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-1	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-1	06/21/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-1	09/29/23	<0.000493	<0.000998	<0.000462	<0.00132
MW-1	12/08/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-1	03/21/24	NS	NS	NS	NS
MW-1	06/12/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-1	09/27/24	NS	NS	NS	NS
MW-1	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-2	03/29/06	0.0012	0.0011	0.00042	<0.00072
MW-2	06/10/06	0.00038 J	<0.00036	<0.00035	<0.00072
MW-2	09/12/06	<0.00035	<0.00020	<0.00033	<0.00036
MW-2	12/06/06	0.0012	0.00087 J	<0.00033	<0.00036

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

Well Number	Sample Date	SW 846-8021B			
		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	02/28/07	0.0044	0.0017	<0.00033	<0.00036
MW-2	05/30/07	0.00065 J	<0.00023	<0.00035	<0.00055
MW-2	09/06/07	<0.00021	<0.00023	<0.00035	<0.00055
MW-2	11/13/07	<0.001	<0.001	<0.001	<0.003
MW-2	02/26/08	<0.00021	<0.00023	<0.00035	<0.00055
MW-2	05/28/08	<0.00021	<0.00023	<0.00035	<0.00055
MW-2	08/18/08	0.00065 J	<0.0005	<0.0005	<0.001
MW-2	11/19/08	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	02/17/09	<0.00100	<0.00100	<0.00100	<0.00100
MW-2	05/19/09	<0.000133	<0.000281	<0.000535	0.0018
MW-2	08/26/09	<0.000149	<0.000188	<0.000178	<0.000163
MW-2	11/18/09	<0.000160	<0.000332	<0.000230	<0.000143
MW-2	02/11/10	<0.000371	<0.0004	<0.00043	<0.000379
MW-2	05/12/10	<0.001	<0.001	<0.001	<0.003
MW-2	08/26/10	<0.001	<0.001	<0.001	<0.003
MW-2	11/18/10	<0.001	<0.001	<0.001	<0.003
MW-2	02/23/11	<0.001	<0.001	<0.001	<0.003
MW-2	06/01/11	<0.001	<0.001	<0.001	<0.003
MW-2	08/30/11	<0.001	<0.001	<0.001	<0.003
MW-2	11/28/11	<0.001	<0.001	<0.001	<0.003
MW-2	02/22/12	<0.001	<0.001	<0.001	<0.003
MW-2	05/22/12	<0.001	<0.001	<0.001	<0.003
MW-2	09/11/12	<0.001	<0.001	<0.001	<0.003
MW-2	11/26/12	<0.001	<0.001	<0.001	<0.003
MW-2	02/27/13	<0.001	<0.005	<0.001	<0.003
MW-2	06/11/13	<0.001	<0.005	<0.001	<0.003
MW-2	09/10/13	<0.001	<0.005	<0.001	<0.003
MW-2	11/07/13	<0.001	<0.005	<0.001	<0.003
MW-2	03/05/14	<0.001	<0.005	<0.001	<0.003
MW-2	06/03/14	<0.001	<0.005	<0.001	<0.003
MW-2	09/17/14	<0.001	<0.005	<0.001	<0.003
MW-2	11/12/14	<0.001	<0.005	<0.001	<0.003
MW-2	02/25/15	<0.001	<0.005	<0.001	<0.003
MW-2	06/16/15	<0.001	<0.005	<0.001	<0.003
MW-2	08/26/15	<0.001	<0.005	<0.001	<0.003
MW-2	11/17/15	<0.001	<0.005	<0.001	<0.003
MW-2	03/08/16	<0.001	<0.005	<0.001	<0.003
MW-2	05/17/16	<0.001	<0.005	<0.001	<0.003
MW-2	09/19/16	<0.001	<0.005	<0.001	<0.003
MW-2	12/14/16	<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	SW 846-8021B			
		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	02/28/17	<0.001	<0.001	<0.001	<0.003
MW-2	05/08/17	<0.001	<0.001	<0.001	<0.003
MW-2	09/15/17	<0.001	<0.001	<0.001	<0.003
MW-2	11/29/17	<0.001	<0.001	<0.001	<0.003
MW-2	03/07/18	<0.001	<0.001	<0.001	<0.003
MW-2	06/12/18	<0.001	<0.001	<0.001	<0.003
MW-2	09/05/18	<0.001	<0.001	<0.001	<0.003
MW-2	11/28/18	<0.001	<0.001	<0.001	<0.003
MW-2	02/12/19	<0.001	<0.001	<0.001	<0.003
MW-2	05/08/19	<0.001	0.00488	<0.001	<0.003
MW-2	08/22/19	<0.001	<0.001	<0.001	<0.003
MW-2	11/06/19	<0.001	<0.001	<0.001	<0.003
MW-2	03/18/20	<0.001	<0.001	<0.001	<0.003
MW-2	06/17/20	<0.001	<0.001	<0.001	<0.003
MW-2	09/16/20	<0.001	<0.001	<0.001	<0.003
MW-2	12/23/20	<0.001	<0.001	<0.001	<0.003
MW-2	03/25/21	NS	NS	NS	NS
MW-2	06/18/21	<0.001	<0.001	<0.001	<0.003
MW-2	09/16/21	NS	NS	NS	NS
MW-2	12/16/21	<0.001	<0.001	<0.001	<0.003
MW-2	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-2	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-2	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-2	06/21/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-2	09/29/23	<0.000493	<0.000998	<0.000462	<0.00132
MW-2	12/08/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-2	03/21/24	NS	NS	NS	NS
MW-2	06/11/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-2	09/27/24	NS	NS	NS	NS
MW-2	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-3	03/29/06	**0.0129**	0.0089	0.0021	0.0038
MW-3	06/10/06	0.0075	0.0043	0.00071 J	0.002
MW-3	09/12/06	0.0023	<0.00020	<0.00033	<0.00036
MW-3	12/06/06	0.0021	0.00077 J	<0.00033	<0.00036
MW-3	02/28/07	0.0078	0.0026	0.00061	0.0024 J
MW-3	05/30/07	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	09/06/07	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	11/13/07	<0.001	<0.001	<0.001	<0.003
MW-3	02/26/08	<0.00021	<0.00023	<0.00035	<0.00055

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

Well Number	Sample Date	SW 846-8021B			
		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	05/28/08	<0.00021	<0.00023	<0.00035	<0.00055
MW-3	08/18/08	0.0019	<0.0005	<0.0005	<0.0005
MW-3	11/19/08	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	02/17/09	<0.00100	<0.00100	<0.00100	<0.00100
MW-3	05/19/09	0.0011	<0.000281	<0.000535	<0.000960
MW-3	08/26/09	<0.000149	<0.000188	<0.000178	<0.000163
MW-3	11/18/09	<0.000160	<0.000332	<0.000230	<0.000143
MW-3	02/11/10	<0.000371	<0.0004	<0.00043	<0.000379
MW-3	08/26/10	<0.001	<0.001	<0.001	<0.003
MW-3	11/18/10	<0.001	<0.001	<0.001	<0.003
MW-3	02/23/11	<0.001	<0.001	<0.001	<0.003
MW-3	06/01/11	<0.001	<0.001	<0.001	<0.003
MW-3	08/30/11	<0.001	<0.001	<0.001	<0.003
MW-3	11/28/11	<0.001	<0.001	<0.001	<0.003
MW-3	02/22/12	<0.001	<0.001	<0.001	<0.003
MW-3	05/22/12	<0.001	<0.001	<0.001	<0.003
MW-3	09/11/12	<0.001	<0.001	<0.001	<0.003
MW-3	11/26/12	<0.001	<0.001	<0.001	<0.003
MW-3	02/27/13	<0.001	<0.005	<0.001	<0.003
MW-3	06/11/13	<0.001	<0.005	<0.001	<0.003
MW-3	09/10/13	<0.001	<0.005	<0.001	<0.003
MW-3	11/07/13	<0.001	<0.005	<0.001	<0.003
MW-3	03/05/14	<0.001	<0.005	<0.001	<0.003
MW-3	06/03/14	<0.001	<0.005	<0.001	<0.003
MW-3	09/17/14	<0.001	<0.005	<0.001	<0.003
MW-3	11/12/14	<0.001	<0.005	<0.001	<0.003
MW-3	02/25/15	<0.001	<0.005	<0.001	<0.003
MW-3	06/16/15	<0.001	<0.005	<0.001	<0.003
MW-3	08/26/15	<0.001	<0.005	<0.001	<0.003
MW-3	11/17/15	<0.001	<0.005	<0.001	<0.003
MW-3	03/08/16	<0.001	<0.005	<0.001	<0.003
MW-3	05/17/16	<0.001	<0.005	<0.001	<0.003
MW-3	09/19/16	<0.001	<0.005	<0.001	<0.003
MW-3	12/14/16	<0.001	<0.001	<0.001	<0.003
MW-3	02/28/17	<0.001	<0.001	<0.001	<0.003
MW-3	05/08/17	<0.001	<0.001	<0.001	<0.003
MW-3	09/15/17	<0.001	<0.001	<0.001	<0.003
MW-3	11/29/17	<0.001	<0.001	<0.001	<0.003
MW-3	03/07/18	<0.001	<0.001	<0.001	<0.003
MW-3	06/12/18	<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	SW 846-8021B			
		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	09/05/18	<0.001	<0.001	<0.001	<0.003
MW-3	11/28/18	<0.001	<0.001	<0.001	<0.003
MW-3	02/12/19	<0.001	<0.001	<0.001	<0.003
MW-3	05/08/19	<0.001	<0.001	<0.001	<0.003
MW-3	08/22/19	<0.001	<0.001	<0.001	<0.003
MW-3	11/06/19	<0.001	<0.001	<0.001	<0.003
MW-3	03/18/20	<0.001	<0.001	<0.001	<0.003
MW-3	06/17/20	<0.001	<0.001	<0.001	<0.003
MW-3	09/16/20	<0.001	<0.001	<0.001	<0.003
MW-3	12/23/20	<0.001	<0.001	<0.001	<0.003
MW-3	03/25/21	<0.001	<0.001	<0.001	<0.003
MW-3	06/18/21	<0.001	<0.001	<0.001	<0.003
MW-3	09/16/21	<0.001	<0.001	<0.001	<0.003
MW-3	12/16/21	<0.001	<0.001	<0.001	<0.003
MW-3	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-3	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-3	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-3	03/08/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-3	06/21/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-3	09/29/23	<0.000493	<0.000998	<0.000462	<0.00132
MW-3	12/08/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-3	03/21/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-3	06/11/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-3	09/27/24	<0.0002	0.0039	<0.0003	0.0029 J
MW-3	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-4	12/06/06	<0.00035	<0.00020	<0.00033	<0.00036
MW-4	02/28/07	<0.00035	<0.00020	<0.00033	<0.00036
MW-4	05/30/07	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	09/06/07	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	11/13/07	<0.001	<0.001	<0.001	<0.003
MW-4	02/26/08	0.00086 J	<0.00023	<0.00035	<0.00055
MW-4	05/28/08	<0.00021	<0.00023	<0.00035	<0.00055
MW-4	08/18/08	<0.0005	<0.0005	<0.0005	<0.001
MW-4	11/19/08	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	02/17/09	<0.00100	<0.00100	<0.00100	<0.00100
MW-4	05/19/09	<0.000133	<0.000281	<0.000535	<0.000960
MW-4	08/26/09	<0.000149	<0.000188	<0.000178	<0.000163
MW-4	11/18/09	<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	SW 846-8021B			
		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	02/11/10	<0.000371	<0.0004	<0.00043	<0.000379
MW-4	05/12/10	<0.001	<0.001	<0.001	<0.003
MW-4	08/26/10	<0.001	<0.001	<0.001	<0.003
MW-4	11/18/10	<0.001	<0.001	<0.001	<0.003
MW-4	02/23/11	<0.001	<0.001	<0.001	<0.003
MW-4	06/01/11	<0.001	<0.001	<0.001	<0.003
MW-4	08/30/11	<0.001	<0.001	<0.001	<0.003
MW-4	11/28/11	<0.001	<0.001	<0.001	<0.003
MW-4	02/22/12	<0.001	<0.001	<0.001	<0.003
MW-4	05/22/12	<0.001	<0.001	<0.001	<0.003
MW-4	09/11/12	<0.001	<0.001	<0.001	<0.003
MW-4	11/26/12	<0.001	<0.001	<0.001	<0.003
MW-4	02/27/13	<0.001	<0.005	<0.001	<0.003
MW-4	06/11/13	<0.001	<0.005	<0.001	<0.003
MW-4	09/10/13	<0.001	<0.005	<0.001	<0.003
MW-4	11/07/13	<0.001	<0.005	<0.001	<0.003
MW-4	03/05/14	<0.001	<0.005	<0.001	<0.003
MW-4	06/03/14	<0.001	<0.005	<0.001	<0.003
MW-4	09/17/14	<0.001	<0.005	<0.001	<0.003
MW-4	11/12/14	<0.001	<0.005	<0.001	<0.003
MW-4	02/25/15	<0.001	<0.005	<0.001	<0.003
MW-4	06/16/15	<0.001	<0.005	<0.001	<0.003
MW-4	08/26/15	<0.001	<0.005	<0.001	<0.003
MW-4	11/17/15	<0.001	<0.005	<0.001	<0.003
MW-4	03/08/16	<0.001	<0.005	<0.001	<0.003
MW-4	05/17/16	<0.001	<0.005	<0.001	<0.003
MW-4	09/19/16	<0.001	<0.005	<0.001	<0.003
MW-4	12/14/16	<0.001	<0.001	<0.001	<0.003
MW-4	02/28/17	<0.001	<0.001	<0.001	<0.003
MW-4	05/08/17	<0.001	<0.001	<0.001	<0.003
MW-4	09/15/17	<0.001	<0.001	<0.001	<0.003
MW-4	11/29/17	<0.001	<0.001	<0.001	<0.003
MW-4	03/07/18	<0.001	<0.001	<0.001	<0.003
MW-4	06/12/18	<0.001	<0.001	<0.001	<0.003
MW-4	09/05/18	<0.001	<0.001	<0.001	<0.003
MW-4	11/28/18	<0.001	<0.001	<0.001	<0.003
MW-4	02/12/19	<0.001	<0.001	<0.001	<0.003
MW-4	05/08/19	<0.001	0.00479	<0.001	<0.003
MW-4	08/22/19	<0.001	<0.001	<0.001	<0.003
MW-4	11/06/19	<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	SW 846-8021B			
		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	03/18/20	<0.001	<0.001	<0.001	<0.003
MW-4	06/17/20	<0.001	<0.001	<0.001	<0.003
MW-4	09/16/20	<0.001	<0.001	<0.001	<0.003
MW-4	12/23/20	<0.001	<0.001	<0.001	<0.003
MW-4	03/25/21	<0.001	<0.001	<0.001	<0.003
MW-4	06/17/21	<0.001	<0.001	<0.001	<0.003
MW-4	09/16/21	<0.001	<0.001	<0.001	<0.003
MW-4	12/16/21	<0.001	<0.001	<0.001	<0.003
MW-4	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-4	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-4	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-4	06/22/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-4	09/29/23	<0.000493	<0.000998	<0.000462	<0.00132
MW-4	12/08/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-4	03/21/24	NS	NS	NS	NS
MW-4	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-4	09/27/24	NS	NS	NS	NS
MW-4	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-5	12/06/06	0.00055 J	<0.00020	<0.00033	<0.00036
MW-5	02/28/07	<0.00035	<0.00020	<0.00033	<0.00036
MW-5	05/30/07	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	09/06/07	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	11/13/07	<0.001	<0.001	<0.001	<0.003
MW-5	02/26/08	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	05/28/08	<0.00021	<0.00023	<0.00035	<0.00055
MW-5	08/18/08	<0.0005	<0.0005	<0.0005	<0.001
MW-5	11/19/08	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	02/17/09	<0.00100	<0.00100	<0.00100	<0.00100
MW-5	05/19/09	<0.000133	<0.000281	<0.000535	<0.000960
MW-5	08/26/09	<0.000149	<0.000188	<0.000178	<0.000163
MW-5	11/18/09	<0.000160	<0.000332	<0.000230	<0.000143
MW-5	02/11/10	<0.000371	<0.0004	<0.00043	<0.000379
MW-5	05/12/10	<0.001	<0.001	<0.001	<0.003
MW-5	08/26/10	<0.001	<0.001	<0.001	<0.003
MW-5	11/18/10	<0.001	<0.001	<0.001	<0.003
MW-5	02/23/11	<0.001	<0.001	<0.001	<0.003
MW-5	06/01/11	<0.001	<0.001	<0.001	<0.003
MW-5	08/30/11	<0.001	<0.001	<0.001	<0.003
MW-5	11/28/11	<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	SW 846-8021B			
		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	02/22/12	<0.001	<0.001	<0.001	<0.003
MW-5	05/22/12	<0.001	<0.001	<0.001	<0.003
MW-5	09/11/12	<0.001	<0.001	<0.001	<0.003
MW-5	11/26/12	<0.001	<0.001	<0.001	<0.003
MW-5	02/27/13	<0.001	<0.005	<0.001	<0.003
MW-5	06/11/13	<0.001	<0.005	<0.001	<0.003
MW-5	09/10/13	<0.001	<0.005	<0.001	<0.003
MW-5	11/07/13	<0.001	<0.005	<0.001	<0.003
MW-5	03/05/14	<0.001	<0.005	<0.001	<0.003
MW-5	06/03/14	<0.001	<0.005	<0.001	<0.003
MW-5	09/17/14	<0.001	<0.005	0.019	0.0033
MW-5	11/12/14	<0.001	<0.005	<0.001	<0.003
MW-5	02/25/15	<0.001	<0.005	<0.001	<0.003
MW-5	06/16/15	<0.001	<0.005	<0.001	<0.003
MW-5	08/26/15	<0.001	<0.005	<0.001	<0.003
MW-5	11/17/15	<0.001	<0.005	<0.001	<0.003
MW-5	03/08/16	<0.001	<0.005	<0.001	<0.003
MW-5	05/17/16	<0.001	<0.005	<0.001	<0.003
MW-5	09/19/16	<0.001	<0.005	<0.001	<0.003
MW-5	12/14/16	<0.001	<0.001	<0.001	<0.003
MW-5	02/28/17	<0.001	<0.001	<0.001	<0.003
MW-5	05/09/17	<0.001	<0.001	<0.001	<0.003
MW-5	09/15/17	<0.001	<0.001	<0.001	<0.003
MW-5	11/29/17	<0.001	<0.001	<0.001	<0.003
MW-5	03/07/18	<0.001	<0.001	<0.001	<0.003
MW-5	06/12/18	<0.001	<0.001	<0.001	<0.003
MW-5	09/05/18	<0.001	<0.001	<0.001	<0.003
MW-5	11/28/18	<0.001	<0.001	<0.001	<0.003
MW-5	02/12/19	<0.001	<0.001	<0.001	<0.003
MW-5	05/08/19	<0.001	<0.001	<0.001	<0.003
MW-5	08/22/19	<0.001	<0.001	<0.001	<0.003
MW-5	11/06/19	<0.001	<0.001	<0.001	<0.003
MW-5	03/18/20	<0.001	<0.001	<0.001	<0.003
MW-5	06/17/20	<0.001	<0.001	<0.001	<0.003
MW-5	09/16/20	<0.001	<0.001	<0.001	<0.003
MW-5	12/23/20	<0.001	<0.001	<0.001	<0.003
MW-5	03/25/21	<0.001	<0.001	<0.001	<0.003
MW-5	06/18/21	<0.001	<0.001	<0.001	<0.003
MW-5	09/16/21	<0.001	<0.001	<0.001	<0.003
MW-5	12/16/21	<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	SW 846-8021B			
		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	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-5	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-5	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-5	06/22/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-5	09/29/23	<0.000493	<0.000998	<0.000462	<0.00132
MW-5	12/08/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-5	03/21/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-5	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-5	09/27/24	NS	NS	NS	NS
MW-5	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-6	12/06/06	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	02/28/07	<0.00035	<0.00020	<0.00033	<0.00036
MW-6	05/30/07	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	09/06/07	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	11/13/07	<0.001	<0.001	<0.001	<0.003
MW-6	02/26/08	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	05/28/08	<0.00021	<0.00023	<0.00035	<0.00055
MW-6	08/18/08	<0.0005	<0.0005	<0.0005	<0.001
MW-6	11/19/08	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	02/17/09	<0.00100	<0.00100	<0.00100	<0.00100
MW-6	05/19/09	<0.000133	<0.000281	<0.000535	<0.000960
MW-6	08/26/09	<0.000149	<0.000188	<0.000178	<0.000163
MW-6	11/18/09	<0.000160	<0.000332	<0.000230	<0.000143
MW-6	02/11/10	<0.000371	<0.0004	<0.00043	<0.000379
MW-6	05/12/10	<0.001	<0.001	<0.001	<0.003
MW-6	08/26/10	<0.001	<0.001	<0.001	<0.003
MW-6	11/18/10	<0.001	<0.001	<0.001	<0.003
MW-6	02/23/11	<0.001	<0.001	<0.001	<0.003
MW-6	06/01/11	<0.001	<0.001	<0.001	<0.003
MW-6	08/30/11	<0.001	<0.001	<0.001	<0.003
MW-6	11/28/11	<0.001	<0.001	<0.001	<0.003
MW-6	02/22/12	<0.001	<0.001	<0.001	<0.003
MW-6	05/22/12	<0.001	<0.001	<0.001	<0.003
MW-6	09/11/12	<0.001	<0.001	<0.001	<0.003
MW-6	11/26/12	<0.001	<0.001	<0.001	<0.003
MW-6	02/27/13	<0.001	<0.005	<0.001	<0.003
MW-6	06/11/13	<0.001	<0.005	<0.001	<0.003
MW-6	09/10/13	<0.001	<0.005	<0.001	<0.003
MW-6	11/07/13	<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	SW 846-8021B			
		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	03/05/14	<0.001	<0.005	<0.001	<0.003
MW-6	06/03/14	<0.001	<0.005	<0.001	<0.003
MW-6	09/17/14	<0.001	<0.005	<0.001	<0.003
MW-6	11/12/14	<0.001	<0.005	<0.001	<0.003
MW-6	02/25/15	<0.001	<0.005	<0.001	<0.003
MW-6	06/16/15	<0.001	<0.005	<0.001	<0.003
MW-6	08/26/15	<0.001	<0.005	<0.001	<0.003
MW-6	11/17/15	<0.001	<0.005	<0.001	<0.003
MW-6	03/08/16	<0.001	<0.005	<0.001	<0.003
MW-6	05/17/16	<0.001	<0.005	<0.001	<0.003
MW-6	09/19/16	<0.001	<0.005	<0.001	<0.003
MW-6	12/14/16	<0.001	<0.001	<0.001	<0.003
MW-6	02/28/17	<0.001	<0.001	<0.001	<0.003
MW-6	05/09/17	<0.001	<0.001	<0.001	<0.003
MW-6	09/15/17	<0.001	<0.001	<0.001	<0.003
MW-6	11/29/17	<0.001	<0.001	<0.001	<0.003
MW-6	03/07/18	<0.001	<0.001	<0.001	<0.003
MW-6	06/12/18	<0.001	<0.001	<0.001	<0.003
MW-6	09/05/18	<0.001	<0.001	<0.001	<0.003
MW-6	11/28/18	<0.001	<0.001	<0.001	<0.003
MW-6	02/12/19	<0.001	<0.001	<0.001	<0.003
MW-6	05/08/19	<0.001	<0.001	<0.001	<0.003
MW-6	08/22/19	<0.001	<0.001	<0.001	<0.003
MW-6	11/06/19	<0.001	<0.001	<0.001	<0.003
MW-6	03/18/20	<0.001	<0.001	<0.001	<0.003
MW-6	09/16/20	<0.001	<0.001	<0.001	<0.003
MW-6	06/17/20	<0.001	<0.001	<0.001	<0.003
MW-6	12/23/20	<0.001	<0.001	<0.001	<0.003
MW-6	03/25/21	<0.001	<0.001	<0.001	<0.003
MW-6	06/18/21	<0.001	<0.001	<0.001	<0.003
MW-6	09/16/21	<0.001	<0.001	<0.001	<0.003
MW-6	12/16/21	<0.001	<0.001	<0.001	<0.003
MW-6	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-6	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-6	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-6	03/08/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-6	06/22/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-6	09/29/23	<0.000493	<0.000998	<0.000462	<0.00132
MW-6	12/08/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-6	03/21/24	NS	NS	NS	NS

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

Well Number	Sample Date	SW 846-8021B			
		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	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-6	09/27/24	<0.0002	0.00073 J	<0.0003	0.00056 J
MW-6	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-7	12/06/06	<0.00035	<0.00020	<0.00033	<0.00036
MW-7	02/28/07	**0.0114**	<0.00020	<0.00033	<0.00036
MW-7	05/30/07	0.0049	<0.00023	<0.00035	<0.00055
MW-7	09/06/07	0.00073 J	<0.00023	<0.00035	<0.00055
MW-7	11/13/07	<0.001	<0.001	<0.001	<0.003
MW-7	02/26/08	<0.00021	<0.00023	<0.00035	<0.00055
MW-7	05/28/08	0.00053 J	<0.00023	<0.00035	<0.00055
MW-7	08/18/08	<0.0005	<0.0005	<0.0005	<0.001
MW-7	11/19/08	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	02/17/09	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	05/19/09	<0.000133	<0.000281	<0.000535	<0.000960
MW-7	08/26/09	<0.000149	<0.000188	<0.000178	<0.000163
MW-7	11/18/09	<0.000160	<0.000332	<0.000230	<0.000143
MW-7	02/11/10	<0.000371	<0.0004	<0.00043	<0.000379
MW-7	05/12/10	<0.001	<0.001	<0.001	<0.003
MW-7	08/26/10	<0.001	<0.001	<0.001	<0.003
MW-7	11/18/10	<0.001	<0.001	<0.001	<0.003
MW-7	02/23/11	<0.001	<0.001	<0.001	<0.003
MW-7	06/01/11	<0.001	<0.001	<0.001	<0.003
MW-7	08/30/11	<0.001	<0.001	<0.001	<0.003
MW-7	11/28/11	<0.001	<0.001	<0.001	<0.003
MW-7	02/22/12	<0.001	<0.001	<0.001	<0.003
MW-7	05/22/12	<0.001	<0.001	<0.001	<0.003
MW-7	09/11/12	<0.001	<0.001	<0.001	<0.003
MW-7	11/26/12	<0.001	<0.001	<0.001	<0.003
MW-7	02/27/13	<0.001	<0.005	<0.001	<0.003
MW-7	06/11/13	<0.001	<0.005	<0.001	<0.003
MW-7	09/10/13	<0.001	<0.005	<0.001	<0.003
MW-7	11/07/13	<0.001	<0.005	<0.001	<0.003
MW-7	03/05/14	<0.001	<0.005	<0.001	<0.003
MW-7	06/03/14	<0.001	<0.005	<0.001	<0.003
MW-7	09/17/14	0.0012	<0.005	<0.001	<0.003
MW-7	11/12/14	<0.001	<0.005	<0.001	<0.003
MW-7	02/25/15	<0.001	<0.005	<0.001	<0.003
MW-7	06/16/15	<0.001	<0.005	<0.001	<0.003
MW-7	08/26/15	<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	SW 846-8021B			
		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	11/17/15	<0.001	<0.005	<0.001	<0.003
MW-7	03/08/16	<0.001	<0.005	<0.001	<0.003
MW-7	05/17/16	<0.001	<0.005	<0.001	<0.003
MW-7	09/19/16	<0.001	<0.005	<0.001	<0.003
MW-7	12/14/16	<0.001	<0.001	<0.001	<0.003
MW-7	02/28/17	<0.001	<0.001	<0.001	<0.003
MW-7	05/08/17	<0.001	<0.001	<0.001	<0.003
MW-7	09/15/17	<0.001	<0.001	<0.001	<0.003
MW-7	11/29/17	<0.001	<0.001	<0.001	<0.003
MW-7	03/07/18	<0.001	<0.001	<0.001	<0.003
MW-7	06/12/18	<0.001	<0.001	<0.001	<0.003
MW-7	09/05/18	<0.001	<0.001	<0.001	<0.003
MW-7	11/28/18	<0.001	<0.001	<0.001	<0.003
MW-7	02/12/19	<0.001	<0.001	<0.001	<0.003
MW-7	05/08/19	<0.001	0.00461	<0.001	<0.003
MW-7	08/22/19	<0.001	<0.001	<0.001	<0.003
MW-7	11/06/19	<0.001	<0.001	<0.001	<0.003
MW-7	03/18/20	<0.001	<0.001	<0.001	<0.003
MW-7	06/17/20	<0.001	<0.001	<0.001	<0.003
MW-7	09/16/20	<0.001	<0.001	<0.001	<0.003
MW-7	12/23/20	<0.001	<0.001	<0.001	<0.003
MW-7	03/25/21	<0.001	<0.001	<0.001	<0.003
MW-7	06/17/21	<0.001	<0.001	<0.001	<0.003
MW-7	09/16/21	<0.001	<0.001	<0.001	<0.003
MW-7	12/16/21	<0.001	<0.001	<0.001	<0.003
MW-7	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-7	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174
MW-7	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132
MW-7	06/21/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-7	09/29/23	0.000935 J	<0.000998	<0.000462	0.00955
MW-7	12/08/23	<0.0000941	<0.000278	<0.000137	<0.000174
MW-7	03/21/24	NS	NS	NS	NS
MW-7	06/12/24	<0.0002	<0.0002	<0.0003	<0.0003
MW-7	09/27/24	NS	NS	NS	NS
MW-7	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003
RW-1	06/01/11	**0.066**	0.016	0.057	0.18
RW-1	05/22/12	**0.11**	0.066	0.077	0.36
RW-1	06/11/13	**0.015**	0.0045 J	0.068	0.2
RW-1	06/03/14	**0.19**	0.024	0.16	0.43

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

Well Number	Sample Date	SW 846-8021B			
		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-1	06/16/15	**0.15**	0.0085 J	0.12	0.31
RW-1	05/17/16	**0.0606**	0.00105 J	0.0335	0.0968
RW-1	05/09/17	**0.018**	0.00107	0.0313	0.0808
RW-1	06/12/18	**0.0288**	<0.001	0.119	0.395
RW-1	05/08/19	**0.0110**	<0.005	0.109	0.162
RW-1	11/06/19	<0.005	<0.005	0.0245	0.0928
RW-1	03/18/20	0.00355	0.00100	0.0275	0.0522
RW-1	06/17/20	0.00794	<0.001	0.0515	0.0847
RW-1	09/16/20	0.00145	<0.001	0.0231	0.0289
RW-1	12/23/20	0.00113	<0.001	0.00399	0.00512
RW-1	03/25/21	0.00296	<0.001	0.0214	0.0256
RW-1	06/17/21	0.00714	<0.001	0.0322	0.0320
RW-1	09/16/21	0.00577	0.00270	0.0121	0.0178
RW-1	12/16/21	0.00454	<0.001	0.0149	0.0158
RW-1	06/23/22	0.00478	<0.00139	0.00883	0.0106 J
RW-1	09/28/22	0.00103	<0.000278	0.00378	0.00494
RW-1	03/08/23	0.000485 J	<0.000278	0.000329 J	0.000767 J
RW-1	06/22/23	0.000542 J	<0.000278	0.00555	0.0112
RW-1	09/29/23	<0.000493	<0.000998	<0.000462	<0.00132
RW-1	12/08/23	0.000867 J	<0.000278	<0.000137	0.00774
RW-1	03/21/24	NS	NS	NS	NS
RW-1	06/12/24	0.00075 J	<0.0002	<0.00038 J	0.005
RW-1	09/27/24	0.0011	0.00057 J	0.00057 J	0.0083
RW-1	12/05/24	0.00077 J	<0.0002	<0.0003	0.0073
RW-2	06/01/11	**0.034**	0.038	0.051	0.14
RW-2	05/22/12	**0.19**	0.2	0.18	0.49
RW-2	06/11/13	**0.028**	0.04	0.063	0.18
RW-2	06/03/14	**0.03**	0.04	0.063	0.16
RW-2	06/16/15	0.0055	0.0067 J	0.0078	0.017
RW-2	05/17/16	**0.0176**	0.0151	0.029	0.0695
RW-2	05/09/17	**0.0829**	0.135	0.331	0.562
RW-2	06/13/18	0.00586	0.00719	0.0164	0.0424
RW-2	05/08/19	**0.0438**	0.0380	0.174	0.441
RW-2	06/17/20	0.00404	0.0041	0.0158	0.0641
RW-2	06/17/21	**0.0410**	0.00201	0.0205	0.00490
RW-2	06/23/22	0.00546	0.00106	0.00658	0.0373
RW-2	06/22/23	0.00082 J	<0.000278	0.000415 J	0.00481
RW-2	09/29/23	NS	NS	NS	NS
RW-2	12/08/23	NS	NS	NS	NS

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

Well Number	Sample Date	SW 846-8021B			
		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	03/21/24	NS	NS	NS	NS
RW-2	06/12/24	<0.001	<0.001	<0.0015	0.015
RW-2	09/27/24	NS	NS	NS	NS
RW-2	12/05/24	NS	NS	NS	NS
RW-3	06/01/11	**0.21**	0.2	0.18	0.39
RW-3	05/22/12	**0.31**	0.66	0.56	**1.1**
RW-3	06/11/13	**0.016**	0.078	0.14	0.32
RW-3	06/03/14	**0.026**	0.015 J	0.11	0.31
RW-3	06/16/15	**0.019**	0.0046 J	0.09	0.37
RW-3	05/17/16	**0.0142**	0.0163	0.0375	0.0965
RW-3	05/09/17	**0.0196**	0.00222	0.0897	0.16
RW-3	06/12/18	**0.0505**	0.00191	0.476	**0.763**
RW-3	05/08/19	<0.005	0.00685	0.142	0.373
RW-3	06/17/20	<0.001	<0.001	0.00789	0.0179
RW-3	09/16/20	<0.001	<0.001	0.0137	0.0317
RW-3	03/25/21	0.00178	<0.001	0.00930	0.0163
RW-3	06/18/21	<0.001	<0.001	0.00449	0.00619
RW-3	06/23/22	0.000539 J	<0.000278	0.00197	0.00146 J
RW-3	09/28/22	0.00126	<0.000278	0.00213	0.00174 J
RW-3	06/22/23	0.00654	0.00121	0.00544	0.0509
RW-3	09/29/23	0.000906 J	<0.000998	0.00577	0.00343 J
RW-3	12/08/23	0.00101	<0.000278	0.00165	0.00116 J
RW-3	03/21/24	NS	NS	NS	NS
RW-3	06/12/24	<0.0002	<0.0002	<0.0003	<0.0003
RW-3	09/27/24	0.00069 J	<0.0002	0.00051 J	0.0020 J
RW-3	12/05/24	<0.0002	<0.0002	<0.0003	0.0011 J
RW-4	12/06/06	0.00099 J	0.00035 J	<0.00033	<0.00036
RW-4	02/28/07	<0.00035	<0.00020	<0.00033	<0.00036
RW-4	05/30/07	<0.00021	<0.00023	<0.00035	<0.00055
RW-4	09/06/07	<0.00021	<0.00023	<0.00035	<0.00055
RW-4	11/13/07	<0.001	<0.001	<0.001	<0.003
RW-4	02/26/08	<0.00021	<0.00023	<0.00035	<0.00055
RW-4	05/28/08	<0.00021	<0.00023	<0.00035	<0.00055
RW-4	08/18/08	<0.0005	<0.0005	<0.0005	<0.001
RW-4	11/19/08	<0.00100	<0.00100	<0.00100	<0.00100
RW-4	02/17/09	<0.00100	<0.00100	<0.00100	<0.00100
RW-4	05/19/09	<0.000133	<0.000281	<0.000535	<0.000960
RW-4	08/26/09	<0.000149	<0.000188	<0.000178	<0.000163

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

Well Number	Sample Date	SW 846-8021B			
		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	11/18/09	<0.000160	<0.000332	<0.000230	<0.000143
RW-4	02/11/10	<0.000371	<0.0004	<0.00043	<0.000379
RW-4	05/12/10	<0.001	<0.001	<0.001	<0.003
RW-4	08/26/10	<0.001	<0.001	<0.001	<0.003
RW-4	11/18/10	<0.001	<0.001	<0.001	<0.003
RW-4	02/23/11	<0.001	<0.001	<0.001	<0.003
RW-4	06/01/11	<0.001	<0.001	<0.001	<0.003
RW-4	08/30/11	<0.001	<0.001	<0.001	<0.003
RW-4	11/28/11	<0.001	<0.001	<0.001	<0.003
RW-4	02/22/12	<0.001	<0.001	<0.001	<0.003
RW-4	05/22/12	<0.001	<0.001	<0.001	<0.003
RW-4	09/11/12	<0.001	<0.001	<0.001	<0.003
RW-4	11/26/12	<0.001	<0.001	<0.001	<0.003
RW-4	02/27/13	<0.001	<0.005	<0.001	<0.003
RW-4	06/11/13	<0.001	<0.005	<0.001	<0.003
RW-4	09/10/13	<0.001	<0.005	<0.001	<0.003
RW-4	11/07/13	<0.001	<0.005	<0.001	<0.003
RW-4	03/05/14	<0.001	<0.005	<0.001	<0.003
RW-4	06/03/14	<0.001	<0.005	<0.001	<0.003
RW-4	09/17/14	<0.001	<0.005	<0.001	<0.003
RW-4	11/12/14	<0.001	<0.005	<0.001	<0.003
RW-4	02/25/15	<0.001	<0.005	<0.001	<0.003
RW-4	06/16/15	<0.001	<0.005	<0.001	<0.003
RW-4	08/26/15	<0.001	<0.005	<0.001	<0.003
RW-4	08/26/15	<0.001	<0.005	<0.001	<0.003
RW-4	03/08/16	<0.001	<0.005	<0.001	<0.003
RW-4	05/17/16	<0.001	<0.005	<0.001	<0.003
RW-4	09/19/16	<0.001	<0.005	<0.001	<0.003
RW-4	12/14/16	<0.001	<0.001	<0.001	<0.003
RW-4	02/28/17	<0.001	<0.001	<0.001	<0.003
RW-4	05/08/17	<0.001	<0.001	<0.001	<0.003
RW-4	09/15/17	<0.001	<0.001	<0.001	<0.003
RW-4	11/29/17	<0.001	<0.001	<0.001	<0.003
RW-4	03/07/18	<0.001	<0.001	<0.001	<0.003
RW-4	06/13/18	<0.001	<0.001	<0.001	<0.003
RW-4	09/05/18	<0.001	<0.001	<0.001	<0.003
RW-4	11/28/18	<0.001	<0.001	<0.001	<0.003
RW-4	02/12/19	<0.001	<0.001	<0.001	<0.003
RW-4	05/08/19	<0.001	<0.001	<0.001	<0.003
RW-4	08/22/19	<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	SW 846-8021B			
		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	11/06/19	<0.001	<0.001	<0.001	<0.003
RW-4	03/18/20	<0.001	<0.001	<0.001	<0.003
RW-4	06/17/20	<0.001	<0.001	<0.001	<0.003
RW-4	09/16/20	<0.001	<0.001	<0.001	<0.003
RW-4	12/23/20	<0.001	<0.001	<0.001	<0.003
RW-4	03/25/21	<0.001	<0.001	<0.001	<0.003
RW-4	06/18/21	<0.001	<0.001	<0.001	<0.003
RW-4	09/16/21	NS	NS	NS	NS
RW-4	12/16/21	<0.001	<0.001	<0.001	<0.003
RW-4	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174
RW-4	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174
RW-4	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132
RW-4	06/22/23	0.00166	<0.000278	0.00944	0.00629
RW-4	09/29/23	<0.000493	<0.000998	<0.000462	<0.00132
RW-4	12/08/23	<0.0000941	<0.000278	<0.000137	<0.000174
RW-4	03/21/24	NS	NS	NS	NS
RW-4	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003
RW-4	09/27/24	NS	NS	NS	NS
RW-4	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003
RW-5	12/06/06	0.0035	0.00095 J	0.00043 J	<0.00036
RW-5	02/28/07	**0.0193**	0.0038	0.0015	0.0014 J
RW-5	05/30/07	0.0045	0.0011	0.00066 J	0.00056 J
RW-5	09/06/07	0.0012	<0.00023	<0.00035	<0.00055
RW-5	11/13/07	0.0024	<0.001	<0.001	<0.003
RW-5	02/26/08	<0.00021	<0.00023	<0.00035	<0.00055
RW-5	05/28/08	0.00045 J	<0.00023	<0.00035	<0.00055
RW-5	08/18/08	<0.0005	<0.0005	<0.0005	<0.001
RW-5	11/19/08	0.00260	<0.00100	<0.00100	<0.00100
RW-5	02/17/09	0.0048	<0.00100	<0.00100	<0.00100
RW-5	05/19/09	0.0003 J	<0.000281	<0.000535	0.0016
RW-5	08/26/09	0.0024	<0.000281	<0.000535	<0.000960
RW-5	11/18/09	0.0008 J	<0.000332	<0.000230	<0.000143
RW-5	02/11/10	<0.000371	<0.0004	<0.00043	<0.000379
RW-5	05/12/10	<0.001	<0.001	<0.001	<0.003
RW-5	08/26/10	<0.001	<0.001	<0.001	<0.003
RW-5	11/18/10	<0.001	<0.001	<0.001	<0.003
RW-5	02/23/11	<0.001	<0.001	<0.001	<0.003
RW-5	06/01/11	<0.001	<0.001	<0.001	<0.003
RW-5	08/30/11	<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	SW 846-8021B			
		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	11/28/11	<0.001	<0.001	<0.001	<0.003
RW-5	02/22/12	<0.001	<0.001	<0.001	<0.003
RW-5	05/22/12	<0.001	<0.001	<0.001	<0.003
RW-5	09/11/12	<0.001	<0.001	<0.001	<0.003
RW-5	11/26/12	<0.001	<0.001	<0.001	<0.003
RW-5	02/27/13	<0.001	<0.005	<0.001	<0.003
RW-5	06/11/13	<0.001	<0.005	<0.001	<0.003
RW-5	09/10/13	<0.001	<0.005	<0.001	<0.003
RW-5	11/07/13	<0.001	<0.005	<0.001	<0.003
RW-5	03/05/14	<0.001	<0.005	<0.001	<0.003
RW-5	06/03/14	<0.001	<0.005	<0.001	<0.003
RW-5	09/17/14	<0.001	<0.005	<0.001	<0.003
RW-5	11/12/14	<0.001	<0.005	<0.001	<0.003
RW-5	02/25/15	<0.001	<0.005	<0.001	<0.003
RW-5	06/16/15	<0.001	<0.005	<0.001	<0.003
RW-5	08/26/15	<0.001	<0.005	<0.001	<0.003
RW-5	11/17/15	<0.001	<0.005	<0.001	<0.003
RW-5	03/08/16	<0.001	<0.005	<0.001	<0.003
RW-5	05/17/16	<0.001	<0.005	<0.001	<0.003
RW-5	09/19/16	<0.001	<0.005	<0.001	<0.003
RW-5	12/14/16	<0.001	<0.001	<0.001	<0.003
RW-5	02/28/17	<0.001	<0.001	<0.001	<0.003
RW-5	05/08/17	<0.001	<0.001	<0.001	<0.003
RW-5	09/15/17	<0.001	<0.001	<0.001	<0.003
RW-5	11/29/17	<0.001	<0.001	<0.001	<0.003
RW-5	03/07/18	<0.001	<0.001	<0.001	<0.003
RW-5	06/13/18	<0.001	<0.001	<0.001	<0.003
RW-5	09/05/18	<0.001	<0.001	<0.001	<0.003
RW-5	11/28/18	<0.001	<0.001	<0.001	<0.003
RW-5	02/12/19	<0.001	<0.001	<0.001	<0.003
RW-5	05/08/19	<0.001	<0.001	<0.001	<0.003
RW-5	08/22/19	<0.001	<0.001	<0.001	<0.003
RW-5	11/06/19	<0.001	<0.001	<0.001	<0.003
RW-5	03/18/20	<0.001	<0.001	<0.001	<0.003
RW-5	06/17/20	<0.001	<0.001	<0.001	<0.003
RW-5	09/16/20	<0.001	<0.001	<0.001	<0.003
RW-5	12/23/20	<0.001	<0.001	<0.001	<0.003
RW-5	03/25/21	NS	NS	NS	NS
RW-5	06/18/21	<0.001	<0.001	<0.001	<0.003
RW-5	09/16/21	NS	NS	NS	NS

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

Well Number	Sample Date	SW 846-8021B			
		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	12/16/21	<0.001	<0.001	<0.001	<0.003
RW-5	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174
RW-5	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174
RW-5	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132
RW-5	06/22/23	<0.0000941	<0.000278	<0.000137	<0.000174
RW-5	09/29/23	<0.000493	<0.000998	<0.000462	<0.00132
RW-5	12/08/23	<0.0000941	<0.000278	<0.000137	<0.000174
RW-5	03/21/24	NS	NS	NS	NS
RW-5	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003
RW-5	09/27/24	NS	NS	NS	NS
RW-5	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003
RW-6	12/06/06	<0.00035	<0.00020	<0.00033	<0.00036
RW-6	02/28/07	<0.00035	<0.00020	<0.00033	<0.00036
RW-6	05/30/07	<0.00021	<0.00023	<0.00035	<0.00055
RW-6	09/06/07	<0.00021	<0.00023	<0.00035	<0.00055
RW-6	11/13/07	<0.001	<0.001	<0.001	<0.003
RW-6	02/26/08	<0.00021	<0.00023	<0.00035	<0.00055
RW-6	05/28/08	<0.00021	<0.00023	<0.00035	<0.00055
RW-6	08/18/08	<0.0005	<0.0005	<0.0005	<0.001
RW-6	11/19/08	<0.00100	<0.00100	<0.00100	<0.00100
RW-6	02/17/09	<0.00100	<0.00100	<0.00100	<0.00100
RW-6	05/19/09	0.0008 J	<0.000281	<0.000535	<0.000960
RW-6	08/26/09	0.0002 J	<0.000281	<0.000535	<0.000960
RW-6	11/18/09	<0.000160	<0.000332	<0.000230	<0.000143
RW-6	02/11/10	<0.000371	<0.0004	<0.00043	<0.000379
RW-6	05/12/10	<0.001	<0.001	<0.001	<0.003
RW-6	08/26/10	<0.001	<0.001	<0.001	<0.003
RW-6	11/18/10	<0.001	<0.001	<0.001	<0.003
RW-6	02/23/11	<0.001	<0.001	<0.001	<0.003
RW-6	06/01/11	<0.001	<0.001	<0.001	<0.003
RW-6	08/30/11	<0.001	<0.001	<0.001	<0.003
RW-6	11/28/11	<0.001	<0.001	<0.001	<0.003
RW-6	02/22/12	<0.001	<0.001	<0.001	<0.003
RW-6	05/22/12	<0.001	<0.001	<0.001	<0.003
RW-6	09/11/12	<0.001	<0.001	<0.001	<0.003
RW-6	11/26/12	<0.001	<0.001	<0.001	<0.003
RW-6	02/27/13	<0.001	<0.005	<0.001	<0.003
RW-6	06/11/13	<0.001	<0.005	<0.001	<0.003
RW-6	09/10/13	<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	SW 846-8021B			
		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	11/07/13	<0.001	<0.005	<0.001	<0.003
RW-6	03/05/14	<0.001	<0.005	<0.001	<0.003
RW-6	06/03/14	<0.001	<0.005	<0.001	<0.003
RW-6	09/17/14	<0.001	<0.005	<0.001	<0.003
RW-6	11/12/14	<0.001	<0.005	<0.001	<0.003
RW-6	02/25/14	<0.001	<0.005	<0.001	<0.003
RW-6	06/16/15	<0.001	<0.005	<0.001	<0.003
RW-6	08/26/15	<0.001	<0.005	<0.001	<0.003
RW-6	11/17/15	<0.001	<0.005	<0.001	<0.003
RW-6	03/08/16	<0.001	<0.005	<0.001	<0.003
RW-6	05/17/16	<0.001	<0.005	<0.001	<0.003
RW-6	09/19/16	<0.001	<0.005	<0.001	<0.003
RW-6	12/14/16	<0.001	<0.001	<0.001	<0.003
RW-6	02/28/17	<0.001	<0.001	<0.001	<0.003
RW-6	05/08/17	<0.001	<0.001	<0.001	<0.003
RW-6	09/15/17	<0.001	<0.001	<0.001	<0.003
RW-6	11/29/17	<0.001	<0.001	<0.001	<0.003
RW-6	03/07/18	<0.001	<0.001	<0.001	<0.003
RW-6	06/13/18	<0.001	<0.001	<0.001	<0.003
RW-6	09/05/18	<0.001	<0.001	<0.001	<0.003
RW-6	11/28/18	<0.001	<0.001	<0.001	<0.003
RW-6	02/12/19	<0.001	<0.001	<0.001	<0.003
RW-6	05/08/19	<0.001	<0.001	<0.001	<0.003
RW-6	08/22/19	<0.001	<0.001	<0.001	<0.003
RW-6	11/06/19	<0.001	<0.001	<0.001	<0.003
RW-6	03/18/20	<0.001	<0.001	<0.001	<0.003
RW-6	06/17/20	<0.001	<0.001	<0.001	<0.003
RW-6	09/16/20	<0.001	<0.001	<0.001	<0.003
RW-6	12/23/20	<0.001	<0.001	<0.001	<0.003
RW-6	03/25/21	NS	NS	NS	NS
RW-6	06/18/21	<0.001	<0.001	<0.001	<0.003
RW-6	09/16/21	NS	NS	NS	NS
RW-6	12/16/21	<0.001	<0.001	<0.001	<0.003
RW-6	06/23/22	<0.0000941	<0.000278	<0.000137	<0.000174
RW-6	09/28/22	<0.0000941	<0.000278	<0.000137	<0.000174
RW-6	12/09/22	<0.000493	<0.000998	<0.000462	<0.00132
RW-6	06/22/23	<0.0000941	<0.000278	<0.000137	<0.000174
RW-6	09/29/23	<0.000493	<0.000998	<0.000462	<0.00132
RW-6	12/08/23	<0.0000941	<0.000278	<0.000137	<0.000174

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

Well Number	Sample Date	SW 846-8021B			
		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	03/21/24	NS	NS	NS	NS
RW-6	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003
RW-6	09/27/24	NS	NS	NS	NS
RW-6	12/05/24	<0.0002	<0.0002	<0.0003	<0.0003
RW-7	11/07/13	<0.001	<0.005	<0.001	<0.003
RW-7	03/05/14	<0.001	<0.005	<0.001	<0.003
RW-7	06/03/14	0.00036 J	<0.005	<0.001	<0.003
RW-7	09/17/14	<0.001	<0.005	<0.001	<0.003
RW-7	11/12/14	<0.001	<0.005	<0.001	<0.003
RW-7	02/25/15	<0.001	<0.005	<0.001	<0.003
RW-7	06/16/15	<0.001	<0.005	<0.001	<0.003
RW-7	08/26/15	<0.001	<0.005	<0.001	<0.003
RW-7	11/17/15	<0.001	<0.005	0.000568 J	<0.003
RW-7	03/08/16	<0.001	<0.005	0.000563 J	<0.003
RW-7	05/17/16	<0.001	<0.005	0.00052 J	<0.003
RW-7	09/19/16	<0.001	<0.005	0.000447 J	<0.003
RW-7	12/14/16	<0.001	<0.001	<0.001	<0.003
RW-7	02/28/17	<0.001	<0.001	<0.001	<0.003
RW-7	05/08/17	<0.001	<0.001	<0.001	<0.003
RW-7	09/15/17	<0.001	<0.001	<0.001	<0.003
RW-7	11/29/17	<0.001	<0.001	<0.001	<0.003
RW-7	03/07/18	<0.001	<0.001	<0.001	<0.003
RW-7	06/13/18	<0.001	<0.001	<0.001	<0.003
RW-7	09/05/18	<0.001	<0.001	0.00381	<0.003
RW-7	11/28/18	<0.001	<0.001	<0.001	<0.003
RW-7	02/12/19	0.00105	<0.001	0.00771	<0.003
RW-7	05/08/19	<0.001	<0.001	0.00363	<0.003
RW-7	08/22/19	<0.001	<0.001	0.00122	<0.003
RW-7	11/06/19	<0.001	<0.001	<0.001	<0.003
RW-7	03/18/20	<0.001	<0.001	<0.001	<0.003
RW-7	06/17/20	0.0015	<0.001	0.00556	<0.003
RW-7	09/16/20	0.0015	<0.001	<0.001	<0.003
RW-7	12/23/20	<0.001	<0.001	0.00355	<0.003
RW-7	03/25/21	0.00151	<0.001	0.00108	<0.003
RW-7	06/18/21	<0.001	<0.001	0.00179	<0.003
RW-7	09/16/21	0.00114	<0.001	0.00126	<0.003
RW-7	12/16/21	0.00126	<0.001	<0.001	<0.003
RW-7	06/23/22	0.000332 J	<0.000278	0.00104	<0.000174

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

Well Number	Sample Date	SW 846-8021B			
		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	09/28/22	0.00175	<0.000278	0.00140	<0.000174
RW-7	12/09/22	0.00127 J	<0.000998	0.00103 J	<0.00132
RW-7	03/08/23	0.000199 J	<0.000278	0.000446 J	<0.000174
RW-7	06/22/23	<0.0000941	<0.000278	<0.000137	<0.000174
RW-7	09/29/23	0.000713 J	<0.000998	<0.000462	<0.00132
RW-7	12/08/23	<0.0000941	<0.000278	<0.000137	<0.000174
RW-7	03/21/24	0.00048 J	<0.0002	<0.0003	<0.0003
RW-7	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003
RW-7	09/27/24	0.00064 J	<0.0002	<0.0003	<0.0003
RW-7	12/05/24	0.00057 J	<0.0002	<0.0003	<0.0003
RW-8	06/03/14	**0.61**	0.31 J	0.63	**1.3**
RW-8	06/16/15	**2.6**	**1.1**	**1.1**	**2.5**
RW-8	05/17/16	**0.41**	0.034 J6	0.343	0.617
RW-8	05/08/17	**0.243**	0.0325	0.326	0.482
RW-8	06/13/18	**0.245**	0.027	0.529	**0.657**
RW-8	05/08/19	**0.0624**	0.00759	0.126	0.247
RW-8	06/17/20	**0.0424**	<0.001	0.115	0.258
RW-8	06/18/21	0.00498	<0.001	0.0417	0.0832
RW-8	09/16/21	**0.0265**	<0.001	0.0519	0.0913
RW-8	12/16/21	0.00562	<0.001	0.0230	0.0545
RW-8	06/23/22	0.000989 J	<0.000278	0.0219	0.0533
RW-8	06/22/23	0.000571 J	<0.000278	<0.000137	<0.000174
RW-8	09/29/23	NS	NS	NS	NS
RW-8	12/08/23	NS	NS	NS	NS
RW-8	03/21/24	NS	NS	NS	NS
RW-8	06/13/24	<0.0002	<0.0002	<0.0003	<0.0003
RW-8	09/27/24	NS	NS	NS	NS
RW-8	12/05/24	NS	NS	NS	NS

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

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			
RW-8	6/22/2023	L1629230-15	5.01	<0.0171	0.454	1.94	<0.0158	1.62	<0.0190	0.0478 J	0.0563	<0.0203	0.0305 J	<0.0168	<0.0184	3.31	<0.0160	<0.0184	<0.0202	126	5.93	**131.93**			
RW-8	6/13/2024	HS24060908-15	2.47	0.481	0.455	3.33	<0.0211	2.83	<0.0211	<0.0211	<0.0211	<0.0211	<0.0211	<0.0211	<0.0211	5.41	<0.0211	<0.0211	<0.0211	7.52 n	3.59	11.11			

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
n: not offered for accreditation

TABLE 6
2018 - 2024 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)
RW-1	2018	0.21	0.01	0.065	0.75	469.25	470
RW-1	2019	0.08	0.01	0.043	0.00	310.00	310
RW-1	2020	0.04	0.03	0.037	1.00	209.00	210
RW-1	2021	0	0	0.000	0.00	180.00	180
RW-1	2022	0.02	0.01	0.010	0.00	170.00	170
RW-1	2023	0.03	0.01	0.170	1.00	110.00	111
RW-1	2024	0.02	0.01	0.017	1.00	157.00	158
RW-2	2018	0.32	0.07	0.19	10.00	449.00	459
RW-2	2019	0.99	0.01	0.22	7.50	401.25	408.75
RW-2	2020	0.35	0.04	0.10	7.00	213.00	220
RW-2	2021	0.96	0.04	0.26	6.25	173.75	180
RW-2	2022	0.45	0.01	0.12	2.00	178.00	180
RW-2	2023	0.17	0.02	0.10	8.75	86.25	95
RW-2	2024	1.65	0.02	0.68	18.00	154.00	172
RW-3	2018	0.34	0.01	0.17	9.75	450.25	460
RW-3	2019	0.28	0.01	0.10	3.00	407.00	410
RW-3	2020	0.03	0.01	0.02	0.25	219.75	220
RW-3	2021	0.04	0.01	0.02	0.75	159.25	160
RW-3	2022	0.06	0.01	0.03	2.00	178.00	180
RW-3	2023	0.29	0.01	0.14	1.25	121.75	123
RW-3	2024	0.07	0.01	0.03	1.00	181.00	182

TABLE 6
2018 - 2024 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)
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
RW-8	2022	0.33	0.01	0.13	5.25	189.75	195
RW-8	2023	0.55	0.02	0.21	11.00	95.00	106
RW-8	2024	1.29	0.02	0.43	16.25	165.50	181.75
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	845.00
Totals for 2021					22.50	772.50	795.00
Totals for 2022					9.25	715.75	725.00
Totals for 2023					22.00	413.00	435.00
Totals for 2024					36.25	657.50	693.75
Total					**297.25**	**7621.50**	**7918.75**

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

Appendix A

2024 Laboratory Reports and Chain of Custody Documentation

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
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March 29, 2024

Bill Goldsby
Entech Consulting Corp.
21 Waterway Avenue
Suite 300
The Woodlands, TX 77380

Work Order: **HS24031375**

Laboratory Results for: **Vac to Jal 5**

Dear Bill Goldsby,

ALS Environmental received 5 sample(s) on Mar 22, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Andy C. Neir

ALS Houston, US Date: 29-Mar-24

Client:	Entech Consulting Corp.
Project:	Vac to Jal 5
WorkOrder:	**HS24031375**

TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

ALS Houston, US Date: 29-Mar-24

Client:	Entech Consulting Corp.
Project:	Vac to Jal 5
WorkOrder:	**HS24031375**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Andy C. Neir

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 03/29/2024					
Project Name: Vac to Jal 5			Laboratory Job Number: HS24031375					
Reviewer Name: Andy Neir			Prep Batch Number(s): R462610					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
R1	OI	**Chain-of-custody (C-O-C)**						
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X					
		Were all departures from standard conditions described in an exception report?	X					
R2	OI	**Sample and quality control (QC) identification**						
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X					
R3	OI	**Test reports**						
		Were all samples prepared and analyzed within holding times?	X					
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X					
		Were calculations checked by a peer or supervisor?	X					
		Were all analyte identifications checked by a peer or supervisor?	X					
		Were sample detection limits reported for all analytes not detected?	X					
		Were all results for soil and sediment samples reported on a dry weight basis?			X			
		Were % moisture (or solids) reported for all soil and sediment samples?			X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X			
		If required for the project, TICs reported?			X			
R4	O	**Surrogate recovery data**						
		Were surrogates added prior to extraction?	X					
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X					
R5	OI	**Test reports/summary forms for blank samples**						
		Were appropriate type(s) of blanks analyzed?	X					
		Were blanks analyzed at the appropriate frequency?	X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X					
		Were blank concentrations < MQL?	X					
R6	OI	**Laboratory control samples (LCS):**						
		Were all COCs included in the LCS?	X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X					
		Were LCSs analyzed at the required frequency?	X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X					
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X					
		Was the LCSD RPD within QC limits?	X					
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**						
		Were the project/method specified analytes included in the MS and MSD?			X			
		Were MS/MSD analyzed at the appropriate frequency?		X			1	
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X			
		Were MS/MSD RPDs within laboratory QC limits?			X			
R8	OI	**Analytical duplicate data**						
		Were appropriate analytical duplicates analyzed for each matrix?			X			
		Were analytical duplicates analyzed at the appropriate frequency?			X			
		Were RPDs or relative standard deviations within the laboratory QC limits?			X			
R9	OI	**Method quantitation limits (MQLs):**						
		Are the MQLs for each method analyte included in the laboratory data package?	X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X					
R10	OI	**Other problems/anomalies**						
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X					
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Laboratory Review Checklist: Supporting Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 03/29/2024					
Project Name: Vac to Jal 5			Laboratory Job Number: HS24031375					
Reviewer Name: Andy Neir			Prep Batch Number(s): R462610					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
S1	OI	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?	X					
		Were percent RSDs or correlation coefficient criteria met?	X					
		Was the number of standards recommended in the method used for all analytes?	X					
		Were all points generated between the lowest and highest standard used to calculate the curve?	X					
		Are ICAL data available for all instruments used?	X					
		Has the initial calibration curve been verified using an appropriate second source standard?	X					
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**						
		Was the CCV analyzed at the method-required frequency?	X					
		Were percent differences for each analyte within the method-required QC limits?	X					
		Was the ICAL curve verified for each analyte?	X					
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X			
S3	O	**Mass spectral tuning:**						
		Was the appropriate compound for the method used for tuning?	X					
		Were ion abundance data within the method-required QC limits?	X					
S4	O	**Internal standards (IS):**						
		Were IS area counts and retention times within the method-required QC limits?	X					
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X					
		Were data associated with manual integrations flagged on the raw data?	X					
S6	O	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?			X			
S7	O	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X			
S8	I	**Interference Check Sample (ICS) results:**						
		Were percent recoveries within method QC limits?			X			
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X			
S10	OI	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?	X					
		Is the MDL either adjusted or supported by the analysis of DCSs?	X					
S11	OI	**Proficiency test reports:**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X					
S12	OI	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X					
S13	OI	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?	X					
S14	OI	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X					
		Is documentation of the analyst's competency up-to-date and on file?	X					
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)						
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X					
S16	OI	**Laboratory standard operating procedures (SOPs):**						
		Are laboratory SOPs current and on file for each method performed?	X					

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 03/29/2024
Project Name: Vac to Jal 5	Laboratory Job Number: HS24031375
Reviewer Name: Andy Neir	Prep Batch Number(s): R462610

ER#[5]	Description
1	Batch R462610, Volatiles by method SW8260, LCS/LCSD were analyzed and reported in lieu of an MS/MSD for this batch. The batch quality control criteria were met.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

ALS Houston, US Date: 29-Mar-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5
Work Order: HS24031375

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24031375-01	MW 3	Water		21-Mar-2024 10:30	22-Mar-2024 09:30	☐
HS24031375-02	MW 5	Water		21-Mar-2024 11:10	22-Mar-2024 09:30	☐
HS24031375-03	RW 7	Water		21-Mar-2024 10:45	22-Mar-2024 09:30	☐
HS24031375-04	Dup-01	Water		21-Mar-2024 00:00	22-Mar-2024 09:30	☐
HS24031375-05	Trip Blank	Water	CG-011824-302	21-Mar-2024 00:00	22-Mar-2024 09:30	☑

ALS Houston, US Date: 29-Mar-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5
Sample ID: MW 3
Collection Date: 21-Mar-2024 10:30

ANALYTICAL REPORT
WorkOrder:HS24031375
Lab ID:HS24031375-01
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene	< 0.20		0.20	1.0	ug/L	1	29-Mar-2024 11:36
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	29-Mar-2024 11:36
Toluene	< 0.20		0.20	1.0	ug/L	1	29-Mar-2024 11:36
Xylenes, Total	< 0.30		0.30	3.0	ug/L	1	29-Mar-2024 11:36
Surr: 1,2-Dichloroethane-d4	*113*			*70-126*	*%REC*	*1*	*29-Mar-2024 11:36*
Surr: 4-Bromofluorobenzene	*97.5*			*77-113*	*%REC*	*1*	*29-Mar-2024 11:36*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*29-Mar-2024 11:36*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*29-Mar-2024 11:36*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 29-Mar-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5
Sample ID: MW 5
Collection Date: 21-Mar-2024 11:10

ANALYTICAL REPORT
WorkOrder:HS24031375
Lab ID:HS24031375-02
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene	< 0.20		0.20	1.0	ug/L	1	29-Mar-2024 12:11
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	29-Mar-2024 12:11
Toluene	< 0.20		0.20	1.0	ug/L	1	29-Mar-2024 12:11
Xylenes, Total	< 0.30		0.30	3.0	ug/L	1	29-Mar-2024 12:11
Surr: 1,2-Dichloroethane-d4	*118*			*70-126*	*%REC*	*1*	*29-Mar-2024 12:11*
Surr: 4-Bromofluorobenzene	*89.0*			*77-113*	*%REC*	*1*	*29-Mar-2024 12:11*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*29-Mar-2024 12:11*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*29-Mar-2024 12:11*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 29-Mar-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5
Sample ID: RW 7
Collection Date: 21-Mar-2024 10:45

ANALYTICAL REPORT
WorkOrder:HS24031375
Lab ID:HS24031375-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene	**0.48**	J	**0.20**	**1.0**	**ug/L**	1	29-Mar-2024 12:33
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	29-Mar-2024 12:33
Toluene	< 0.20		0.20	1.0	ug/L	1	29-Mar-2024 12:33
Xylenes, Total	< 0.30		0.30	3.0	ug/L	1	29-Mar-2024 12:33
Surr: 1,2-Dichloroethane-d4	*118*			*70-126*	*%REC*	*1*	*29-Mar-2024 12:33*
Surr: 4-Bromofluorobenzene	*97.2*			*77-113*	*%REC*	*1*	*29-Mar-2024 12:33*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*29-Mar-2024 12:33*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*29-Mar-2024 12:33*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 29-Mar-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5
Sample ID: Dup-01
Collection Date: 21-Mar-2024 00:00

ANALYTICAL REPORT
WorkOrder:HS24031375
Lab ID:HS24031375-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene	< 0.20		0.20	1.0	ug/L	1	29-Mar-2024 12:56
Ethylbenzene	< 0.30		0.30	1.0	ug/L	1	29-Mar-2024 12:56
Toluene	< 0.20		0.20	1.0	ug/L	1	29-Mar-2024 12:56
Xylenes, Total	< 0.30		0.30	3.0	ug/L	1	29-Mar-2024 12:56
Surr: 1,2-Dichloroethane-d4	*116*			*70-126*	*%REC*	*1*	*29-Mar-2024 12:56*
Surr: 4-Bromofluorobenzene	*89.8*			*77-113*	*%REC*	*1*	*29-Mar-2024 12:56*
Surr: Dibromofluoromethane	*99.9*			*77-123*	*%REC*	*1*	*29-Mar-2024 12:56*
Surr: Toluene-d8	*98.7*			*82-127*	*%REC*	*1*	*29-Mar-2024 12:56*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 29-Mar-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5
WorkOrder: HS24031375

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R462610 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS24031375-01	MW 3	21 Mar 2024 10:30			29 Mar 2024 11:36	1
HS24031375-02	MW 5	21 Mar 2024 11:10			29 Mar 2024 12:11	1
HS24031375-03	RW 7	21 Mar 2024 10:45			29 Mar 2024 12:33	1
HS24031375-04	Dup-01	21 Mar 2024 00:00			29 Mar 2024 12:56	1

ALS Houston, US Date: 29-Mar-24

WorkOrder: HS24031375
InstrumentID: VOA11
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** µg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Benzene	71-43-2	0.50	0.74	0.20	1.0
A	Ethylbenzene	100-41-4	0.50	0.66	0.30	1.0
A	Toluene	108-88-3	0.50	0.70	0.20	1.0
A	Xylenes, Total	1330-20-7	0.50	1.7	0.30	3.0
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	1.0
S	4-Bromofluorobenzene	460-00-4	0	0	0	1.0
S	Dibromofluoromethane	1868-53-7	0	0	0	1.0
S	Toluene-d8	2037-26-5	0	0	0	1.0

ALS Houston, US Date: 29-Mar-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5
WorkOrder: HS24031375

QC BATCH REPORT

Batch ID: R462610 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240329** Units: **ug/L** Analysis Date: **29-Mar-2024 10:49**
Client ID: Run ID: **VOA11_462610** SeqNo: **7916595** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	< 0.20	1.0								
Ethylbenzene	< 0.30	1.0								
Toluene	< 0.20	1.0								
Xylenes, Total	< 0.30	3.0								
Surr: 1,2-Dichloroethane-d4	*56.82*	*1.0*	*50*	*0*	*114*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.27*	*1.0*	*50*	*0*	*96.5*	*77 - 113*				
Surr: Dibromofluoromethane	*49.91*	*1.0*	*50*	*0*	*99.8*	*73 - 126*				
Surr: Toluene-d8	*51.31*	*1.0*	*50*	*0*	*103*	*81 - 120*				

LCS Sample ID: **VLCSW-240329** Units: **ug/L** Analysis Date: **29-Mar-2024 09:43**
Client ID: Run ID: **VOA11_462610** SeqNo: **7916593** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.45	1.0	20	0	102	74 - 120				
Ethylbenzene	21.24	1.0	20	0	106	77 - 117				
Toluene	21.97	1.0	20	0	110	77 - 118				
Xylenes, Total	64.22	3.0	60	0	107	75 - 122				
Surr: 1,2-Dichloroethane-d4	*53.58*	*1.0*	*50*	*0*	*107*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*48.97*	*1.0*	*50*	*0*	*97.9*	*77 - 113*				
Surr: Dibromofluoromethane	*50.1*	*1.0*	*50*	*0*	*100*	*73 - 126*				
Surr: Toluene-d8	*52.04*	*1.0*	*50*	*0*	*104*	*81 - 120*				

LCSD Sample ID: **VLCSDW-240329** Units: **ug/L** Analysis Date: **29-Mar-2024 10:05**
Client ID: Run ID: **VOA11_462610** SeqNo: **7916594** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.09	1.0	20	0	100	74 - 120	20.45	1.79	20	
Ethylbenzene	21.13	1.0	20	0	106	77 - 117	21.24	0.517	20	
Toluene	21.47	1.0	20	0	107	77 - 118	21.97	2.32	20	
Xylenes, Total	63.05	3.0	60	0	105	75 - 122	64.22	1.84	20	
Surr: 1,2-Dichloroethane-d4	*53.59*	*1.0*	*50*	*0*	*107*	*70 - 123*	*53.58*	*0.00435*	*20*	
Surr: 4-Bromofluorobenzene	*49*	*1.0*	*50*	*0*	*98.0*	*77 - 113*	*48.97*	*0.06*	*20*	
Surr: Dibromofluoromethane	*49.42*	*1.0*	*50*	*0*	*98.8*	*73 - 126*	*50.1*	*1.36*	*20*	
Surr: Toluene-d8	*51.89*	*1.0*	*50*	*0*	*104*	*81 - 120*	*52.04*	*0.272*	*20*	

ALS Houston, US Date: 29-Mar-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5
WorkOrder: HS24031375

QC BATCH REPORT

Batch ID: R462610 (0)	Instrument: VOA11	Method: LOW LEVEL VOLATILES BY SW8260C

The following samples were analyzed in this batch:	HS24031375-01	HS24031375-02	HS24031375-03	HS24031375-04

ALS Houston, US Date: 29-Mar-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5
WorkOrder: **HS24031375**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
µg/L	Micrograms per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
California	2919; 2024	30-Apr-2024
Dept of Defense	L22-90-R2	31-Mar-2024
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-32	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US Date: 29-Mar-24

Sample Receipt Checklist

Work Order ID: HS24031375 **Date/Time Received:** 22-Mar-2024 09:30

Client Name: ENTECH **Received by:** Jacob Coronado

Completed By: /S/ Monica Smith (eSignature) 25-Mar-2024 14:08 (Date/Time) **Reviewed by:** /S/ Andy C. Neir (eSignature) 26-Mar-2024 21:12 (Date/Time)

Matrices: **Water** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:309413
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	1.3 uc/1.2 c	IR31
Cooler(s)/Kit(s):	99715	
Date/Time sample(s) sent to storage:	03/25/2024 1408	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes: Trip blank on hold, not on COC

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 309413

HS24031375

Entech Consulting Corp.
Vac to Jal 5

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	PAA12015	Project Name	Vac to Jal 5	A	8260_LL_W (BTEX 8260)
Work Order		Project Number	Midland, TX	B	
Company Name	Entech Consulting Corp.	Bill To Company	Entech Consulting Corp	C	
Send Report To	Bill Goldsby	Invoice Attn	AP	D	
Address	21 Waterway Avenue Suite 300	Address	21 Waterway Avenue Suite 300	E F	
City/State/Zip	The Woodlands, TX 77380	City/State/Zip	The Woodlands TX 77380	G	
Phone	(713) 201-5704	Phone	(713) 201-5704	H	
Fax	(281) 362-2704	Fax	(281) 362-2704	I	
e-Mail Address	bill.goldsby@entechservice.com	e-Mail Address	accounting@entechservice.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW 3	3-21-24	10:30	W		6	X										
2	MW 5	"	11:10	"		"	"										
3	RW 7	"	10:45	"		"	"										
4	Dup-01																
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Greg Holes Greg Flow

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

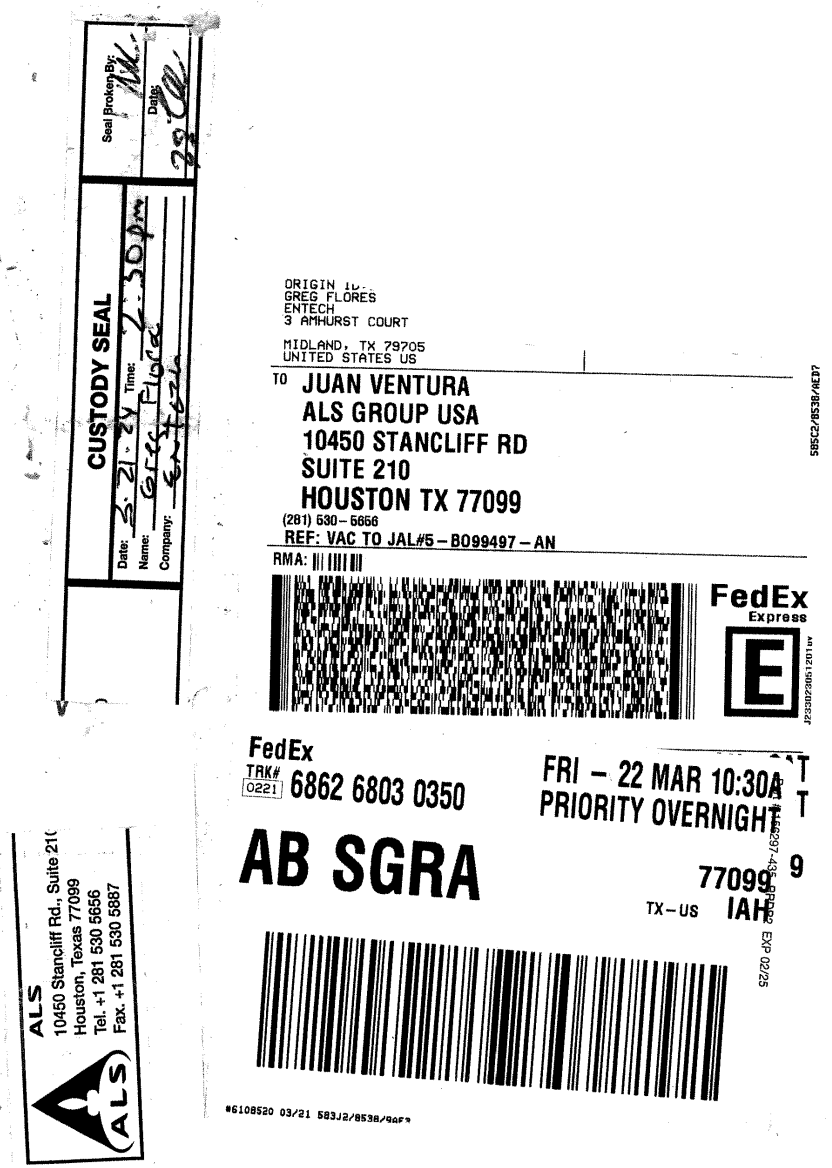
Relinquished by: Greg Flow	Date:	Time:	Received by:	Notes: Vac to Jal #5	
Relinquished by:	Date: 3/22/24	Time: 9:30	Received by (Laboratory): JC	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	49715	1.3

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

1.3 / 1.3


CUSTODY SEAL
Date: 3.21.25 Time: 2:30pm
Name: Greg Flores
Company: Entech
Seal Broken By:
Date:
ORIGIN ID:
GREG FLORES
ENTECH
3 AMHURST COURT
MIDLAND, TX 79705
UNITED STATES US
TO JUAN VENTURA
ALS GROUP USA
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5656
REF: VAC TO JAL#5 - BO99497 - AN
RMA:
FedEx Express
FedEx
TRK# 0221 6862 6803 0350
FRI - 22 MAR 10:30A
PRIORITY OVERNIGHT
AB SGRA
77099
TX-US IAH
ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

June 21, 2024

Chan Patel
Entech Consulting Corp.
21 Waterway Avenue
Suite 300
The Woodlands, TX 77380

Work Order: **HS24060908**

Laboratory Results for: **Vac to Jal 5-Plains**

Dear Chan Patel,

ALS Environmental received 17 sample(s) on Jun 14, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Andy C. Neir

ALS Houston, US Date: 21-Jun-24

Client:	Entech Consulting Corp.
Project:	Vac to Jal 5-Plains
WorkOrder:	**HS24060908**

TRRP Laboratory Data Package Cover Page

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

ALS Houston, US Date: 21-Jun-24

Client:	Entech Consulting Corp.
Project:	Vac to Jal 5-Plains
WorkOrder:	**HS24060908**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Andy C. Neir

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 06/21/2024					
Project Name: Vac to Jal 5-Plains			Laboratory Job Number: HS24060908					
Reviewer Name: Andy Neir			Prep Batch Number(s): 213659, R469837, R469839					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
R1	OI	**Chain-of-custody (C-O-C)**						
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X					
		Were all departures from standard conditions described in an exception report?	X					
R2	OI	**Sample and quality control (QC) identification**						
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X					
R3	OI	**Test reports**						
		Were all samples prepared and analyzed within holding times?	X					
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X					
		Were calculations checked by a peer or supervisor?	X					
		Were all analyte identifications checked by a peer or supervisor?	X					
		Were sample detection limits reported for all analytes not detected?	X					
		Were all results for soil and sediment samples reported on a dry weight basis?			X			
		Were % moisture (or solids) reported for all soil and sediment samples?			X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X			
		If required for the project, TICs reported?			X			
R4	O	**Surrogate recovery data**						
		Were surrogates added prior to extraction?	X					
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X					
R5	OI	**Test reports/summary forms for blank samples**						
		Were appropriate type(s) of blanks analyzed?	X					
		Were blanks analyzed at the appropriate frequency?	X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X					
		Were blank concentrations < MQL?	X					
R6	OI	**Laboratory control samples (LCS):**						
		Were all COCs included in the LCS?	X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X					
		Were LCSs analyzed at the required frequency?	X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X					
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X					
		Was the LCSD RPD within QC limits?	X					
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**						
		Were the project/method specified analytes included in the MS and MSD?	X					
		Were MS/MSD analyzed at the appropriate frequency?	X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X					
		Were MS/MSD RPDs within laboratory QC limits?	X					
R8	OI	**Analytical duplicate data**						
		Were appropriate analytical duplicates analyzed for each matrix?			X			
		Were analytical duplicates analyzed at the appropriate frequency?			X			
		Were RPDs or relative standard deviations within the laboratory QC limits?			X			
R9	OI	**Method quantitation limits (MQLs):**						
		Are the MQLs for each method analyte included in the laboratory data package?	X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X					
R10	OI	**Other problems/anomalies**						
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X					
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				1	
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				2	

Laboratory Review Checklist: Supporting Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 06/21/2024					
Project Name: Vac to Jal 5-Plains			Laboratory Job Number: HS24060908					
Reviewer Name: Andy Neir			Prep Batch Number(s): 213659, R469837, R469839					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
S1	OI	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?	X					
		Were percent RSDs or correlation coefficient criteria met?	X					
		Was the number of standards recommended in the method used for all analytes?	X					
		Were all points generated between the lowest and highest standard used to calculate the curve?	X					
		Are ICAL data available for all instruments used?	X					
		Has the initial calibration curve been verified using an appropriate second source standard?	X					
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**						
		Was the CCV analyzed at the method-required frequency?	X					
		Were percent differences for each analyte within the method-required QC limits?	X					
		Was the ICAL curve verified for each analyte?	X					
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X			
S3	O	**Mass spectral tuning:**						
		Was the appropriate compound for the method used for tuning?	X					
		Were ion abundance data within the method-required QC limits?	X					
S4	O	**Internal standards (IS):**						
		Were IS area counts and retention times within the method-required QC limits?	X					
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X					
		Were data associated with manual integrations flagged on the raw data?	X					
S6	O	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?			X			
S7	O	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X			
S8	I	**Interference Check Sample (ICS) results:**						
		Were percent recoveries within method QC limits?			X			
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X			
S10	OI	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?	X					
		Is the MDL either adjusted or supported by the analysis of DCSs?	X					
S11	OI	**Proficiency test reports:**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X					
S12	OI	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X					
S13	OI	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?	X					
S14	OI	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X					
		Is documentation of the analyst's competency up-to-date and on file?	X					
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)						
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X					
S16	OI	**Laboratory standard operating procedures (SOPs):**						
		Are laboratory SOPs current and on file for each method performed?	X					

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 06/21/2024
Project Name: Vac to Jal 5-Plains	Laboratory Job Number: HS24060908
Reviewer Name: Andy Neir	Prep Batch Number(s): 213659, R469837, R469839

ER#[5]	Description
1	Batch R469839, Volatiles by method SW8260, Sample RW 2: Lowest practical dilution due to sample matrix and/or high concentration of target/non-target analyte(s).
2	Semivolatile Organics Method SW8270; With the exception of 1-Methylnaphthalene, ALS is NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package. Because TCEQ does not offer accreditation for this compound, the results are flagged with n

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Work Order: HS24060908

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24060908-01	MW 1	Water		12-Jun-2024 11:10	14-Jun-2024 09:20	☐
HS24060908-02	MW 2	Water		11-Jun-2024 10:10	14-Jun-2024 09:20	☐
HS24060908-03	MW 3	Water		11-Jun-2024 09:30	14-Jun-2024 09:20	☐
HS24060908-04	MW 4	Water		13-Jun-2024 09:30	14-Jun-2024 09:20	☐
HS24060908-05	MW 5	Water		13-Jun-2024 11:30	14-Jun-2024 09:20	☐
HS24060908-06	MW 6	Water		13-Jun-2024 10:15	14-Jun-2024 09:20	☐
HS24060908-07	MW 7	Water		12-Jun-2024 10:30	14-Jun-2024 09:20	☐
HS24060908-08	RW 1	Water		12-Jun-2024 11:50	14-Jun-2024 09:20	☐
HS24060908-09	RW 2	Water		13-Jun-2024 10:30	14-Jun-2024 09:20	☐
HS24060908-10	RW 3	Water		12-Jun-2024 12:30	14-Jun-2024 09:20	☐
HS24060908-11	RW 4	Water		13-Jun-2024 10:00	14-Jun-2024 09:20	☐
HS24060908-12	RW 5	Water		13-Jun-2024 10:40	14-Jun-2024 09:20	☐
HS24060908-13	RW 6	Water		13-Jun-2024 10:45	14-Jun-2024 09:20	☐
HS24060908-14	RW 7	Water		13-Jun-2024 10:55	14-Jun-2024 09:20	☐
HS24060908-15	RW 8	Water		13-Jun-2024 11:05	14-Jun-2024 09:20	☐
HS24060908-16	Dup - 01	Water		13-Jun-2024 00:00	14-Jun-2024 09:20	☐
HS24060908-17	Trip Blank	Water	CG-052424-176	12-Jun-2024 00:00	14-Jun-2024 09:20	☑

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 1
Collection Date: 12-Jun-2024 11:10

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-01
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene		U	0.20	1.0	ug/L	1	18-Jun-2024 11:49
Ethylbenzene		U	0.30	1.0	ug/L	1	18-Jun-2024 11:49
m,p-Xylene		U	0.50	2.0	ug/L	1	18-Jun-2024 11:49
o-Xylene		U	0.30	1.0	ug/L	1	18-Jun-2024 11:49
Toluene		U	0.20	1.0	ug/L	1	18-Jun-2024 11:49
Xylenes, Total		U	0.30	3.0	ug/L	1	18-Jun-2024 11:49
Surr: 1,2-Dichloroethane-d4	*81.0*			*70-126*	*%REC*	*1*	*18-Jun-2024 11:49*
Surr: 4-Bromofluorobenzene	*89.0*			*77-113*	*%REC*	*1*	*18-Jun-2024 11:49*
Surr: Dibromofluoromethane	*90.5*			*77-123*	*%REC*	*1*	*18-Jun-2024 11:49*
Surr: Toluene-d8	*97.4*			*82-127*	*%REC*	*1*	*18-Jun-2024 11:49*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 2
Collection Date: 11-Jun-2024 10:10

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-02
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene		U	0.20	1.0	ug/L	1	18-Jun-2024 12:11
Ethylbenzene		U	0.30	1.0	ug/L	1	18-Jun-2024 12:11
m,p-Xylene		U	0.50	2.0	ug/L	1	18-Jun-2024 12:11
o-Xylene		U	0.30	1.0	ug/L	1	18-Jun-2024 12:11
Toluene		U	0.20	1.0	ug/L	1	18-Jun-2024 12:11
Xylenes, Total		U	0.30	3.0	ug/L	1	18-Jun-2024 12:11
Surr: 1,2-Dichloroethane-d4	*79.5*			*70-126*	*%REC*	*1*	*18-Jun-2024 12:11*
Surr: 4-Bromofluorobenzene	*87.1*			*77-113*	*%REC*	*1*	*18-Jun-2024 12:11*
Surr: Dibromofluoromethane	*90.2*			*77-123*	*%REC*	*1*	*18-Jun-2024 12:11*
Surr: Toluene-d8	*95.0*			*82-127*	*%REC*	*1*	*18-Jun-2024 12:11*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 3
Collection Date: 11-Jun-2024 09:30

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene	U		0.20	1.0	ug/L	1	18-Jun-2024 12:33
Ethylbenzene	U		0.30	1.0	ug/L	1	18-Jun-2024 12:33
m,p-Xylene	U		0.50	2.0	ug/L	1	18-Jun-2024 12:33
o-Xylene	U		0.30	1.0	ug/L	1	18-Jun-2024 12:33
Toluene	U		0.20	1.0	ug/L	1	18-Jun-2024 12:33
Xylenes, Total	U		0.30	3.0	ug/L	1	18-Jun-2024 12:33
Surr: 1,2-Dichloroethane-d4	*82.4*			*70-126*	*%REC*	*1*	*18-Jun-2024 12:33*
Surr: 4-Bromofluorobenzene	*89.4*			*77-113*	*%REC*	*1*	*18-Jun-2024 12:33*
Surr: Dibromofluoromethane	*89.1*			*77-123*	*%REC*	*1*	*18-Jun-2024 12:33*
Surr: Toluene-d8	*95.9*			*82-127*	*%REC*	*1*	*18-Jun-2024 12:33*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 4
Collection Date: 13-Jun-2024 09:30

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene		U	0.20	1.0	ug/L	1	18-Jun-2024 12:55
Ethylbenzene		U	0.30	1.0	ug/L	1	18-Jun-2024 12:55
m,p-Xylene		U	0.50	2.0	ug/L	1	18-Jun-2024 12:55
o-Xylene		U	0.30	1.0	ug/L	1	18-Jun-2024 12:55
Toluene		U	0.20	1.0	ug/L	1	18-Jun-2024 12:55
Xylenes, Total		U	0.30	3.0	ug/L	1	18-Jun-2024 12:55
Surr: 1,2-Dichloroethane-d4	*83.5*			*70-126*	*%REC*	*1*	*18-Jun-2024 12:55*
Surr: 4-Bromofluorobenzene	*90.6*			*77-113*	*%REC*	*1*	*18-Jun-2024 12:55*
Surr: Dibromofluoromethane	*91.2*			*77-123*	*%REC*	*1*	*18-Jun-2024 12:55*
Surr: Toluene-d8	*97.9*			*82-127*	*%REC*	*1*	*18-Jun-2024 12:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 5
Collection Date: 13-Jun-2024 11:30

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-05
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene		U	0.20	1.0	ug/L	1	18-Jun-2024 13:17
Ethylbenzene		U	0.30	1.0	ug/L	1	18-Jun-2024 13:17
m,p-Xylene		U	0.50	2.0	ug/L	1	18-Jun-2024 13:17
o-Xylene		U	0.30	1.0	ug/L	1	18-Jun-2024 13:17
Toluene		U	0.20	1.0	ug/L	1	18-Jun-2024 13:17
Xylenes, Total		U	0.30	3.0	ug/L	1	18-Jun-2024 13:17
Surr: 1,2-Dichloroethane-d4	*83.4*			*70-126*	*%REC*	*1*	*18-Jun-2024 13:17*
Surr: 4-Bromofluorobenzene	*90.3*			*77-113*	*%REC*	*1*	*18-Jun-2024 13:17*
Surr: Dibromofluoromethane	*92.4*			*77-123*	*%REC*	*1*	*18-Jun-2024 13:17*
Surr: Toluene-d8	*95.8*			*82-127*	*%REC*	*1*	*18-Jun-2024 13:17*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 6
Collection Date: 13-Jun-2024 10:15

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene		U	0.20	1.0	ug/L	1	18-Jun-2024 13:39
Ethylbenzene		U	0.30	1.0	ug/L	1	18-Jun-2024 13:39
m,p-Xylene		U	0.50	2.0	ug/L	1	18-Jun-2024 13:39
o-Xylene		U	0.30	1.0	ug/L	1	18-Jun-2024 13:39
Toluene		U	0.20	1.0	ug/L	1	18-Jun-2024 13:39
Xylenes, Total		U	0.30	3.0	ug/L	1	18-Jun-2024 13:39
Surr: 1,2-Dichloroethane-d4	*84.2*			*70-126*	*%REC*	*1*	*18-Jun-2024 13:39*
Surr: 4-Bromofluorobenzene	*91.5*			*77-113*	*%REC*	*1*	*18-Jun-2024 13:39*
Surr: Dibromofluoromethane	*92.0*			*77-123*	*%REC*	*1*	*18-Jun-2024 13:39*
Surr: Toluene-d8	*97.7*			*82-127*	*%REC*	*1*	*18-Jun-2024 13:39*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 7
Collection Date: 12-Jun-2024 10:30

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-07
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene	U		0.20	1.0	ug/L	1	18-Jun-2024 14:01
Ethylbenzene	U		0.30	1.0	ug/L	1	18-Jun-2024 14:01
m,p-Xylene	U		0.50	2.0	ug/L	1	18-Jun-2024 14:01
o-Xylene	U		0.30	1.0	ug/L	1	18-Jun-2024 14:01
Toluene	U		0.20	1.0	ug/L	1	18-Jun-2024 14:01
Xylenes, Total	U		0.30	3.0	ug/L	1	18-Jun-2024 14:01
Surr: 1,2-Dichloroethane-d4	*85.1*			*70-126*	*%REC*	*1*	*18-Jun-2024 14:01*
Surr: 4-Bromofluorobenzene	*91.5*			*77-113*	*%REC*	*1*	*18-Jun-2024 14:01*
Surr: Dibromofluoromethane	*93.1*			*77-123*	*%REC*	*1*	*18-Jun-2024 14:01*
Surr: Toluene-d8	*97.5*			*82-127*	*%REC*	*1*	*18-Jun-2024 14:01*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 1
Collection Date: 12-Jun-2024 11:50

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene	**0.75**	J	**0.20**	**1.0**	**ug/L**	1	18-Jun-2024 23:49
Ethylbenzene	**0.38**	J	**0.30**	**1.0**	**ug/L**	1	18-Jun-2024 23:49
m,p-Xylene	**3.8**		**0.50**	**2.0**	**ug/L**	1	18-Jun-2024 23:49
o-Xylene	**1.3**		**0.30**	**1.0**	**ug/L**	1	18-Jun-2024 23:49
Toluene	U		0.20	1.0	ug/L	1	18-Jun-2024 23:49
Xylenes, Total	**5.0**		**0.30**	**3.0**	**ug/L**	1	18-Jun-2024 23:49
Surr: 1,2-Dichloroethane-d4	*81.1*			*70-126*	*%REC*	*1*	*18-Jun-2024 23:49*
Surr: 4-Bromofluorobenzene	*94.3*			*77-113*	*%REC*	*1*	*18-Jun-2024 23:49*
Surr: Dibromofluoromethane	*87.9*			*77-123*	*%REC*	*1*	*18-Jun-2024 23:49*
Surr: Toluene-d8	*98.1*			*82-127*	*%REC*	*1*	*18-Jun-2024 23:49*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 2
Collection Date: 13-Jun-2024 10:30

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-09
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene	U		1.0	5.0	ug/L	5	19-Jun-2024 02:53
Ethylbenzene	U		1.5	5.0	ug/L	5	19-Jun-2024 02:53
m,p-Xylene	**12**		**2.5**	**10**	**ug/L**	5	19-Jun-2024 02:53
o-Xylene	**3.4**	J	**1.5**	**5.0**	**ug/L**	5	19-Jun-2024 02:53
Toluene	U		1.0	5.0	ug/L	5	19-Jun-2024 02:53
Xylenes, Total	**15**		**1.5**	**15**	**ug/L**	5	19-Jun-2024 02:53
Surr: 1,2-Dichloroethane-d4	*81.6*			*70-126*	*%REC*	*5*	*19-Jun-2024 02:53*
Surr: 4-Bromofluorobenzene	*95.8*			*77-113*	*%REC*	*5*	*19-Jun-2024 02:53*
Surr: Dibromofluoromethane	*91.6*			*77-123*	*%REC*	*5*	*19-Jun-2024 02:53*
Surr: Toluene-d8	*95.4*			*82-127*	*%REC*	*5*	*19-Jun-2024 02:53*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 3
Collection Date: 12-Jun-2024 12:30

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene	U		0.20	1.0	ug/L	1	19-Jun-2024 04:07
Ethylbenzene	U		0.30	1.0	ug/L	1	19-Jun-2024 04:07
m,p-Xylene	U		0.50	2.0	ug/L	1	19-Jun-2024 04:07
o-Xylene	U		0.30	1.0	ug/L	1	19-Jun-2024 04:07
Toluene	U		0.20	1.0	ug/L	1	19-Jun-2024 04:07
Xylenes, Total	U		0.30	3.0	ug/L	1	19-Jun-2024 04:07
Surr: 1,2-Dichloroethane-d4	*84.9*			*70-126*	*%REC*	*1*	*19-Jun-2024 04:07*
Surr: 4-Bromofluorobenzene	*94.0*			*77-113*	*%REC*	*1*	*19-Jun-2024 04:07*
Surr: Dibromofluoromethane	*93.7*			*77-123*	*%REC*	*1*	*19-Jun-2024 04:07*
Surr: Toluene-d8	*95.6*			*82-127*	*%REC*	*1*	*19-Jun-2024 04:07*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 4
Collection Date: 13-Jun-2024 10:00

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-11
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene		U	0.20	1.0	ug/L	1	19-Jun-2024 00:11
Ethylbenzene		U	0.30	1.0	ug/L	1	19-Jun-2024 00:11
m,p-Xylene		U	0.50	2.0	ug/L	1	19-Jun-2024 00:11
o-Xylene		U	0.30	1.0	ug/L	1	19-Jun-2024 00:11
Toluene		U	0.20	1.0	ug/L	1	19-Jun-2024 00:11
Xylenes, Total		U	0.30	3.0	ug/L	1	19-Jun-2024 00:11
Surr: 1,2-Dichloroethane-d4	*80.3*			*70-126*	*%REC*	*1*	*19-Jun-2024 00:11*
Surr: 4-Bromofluorobenzene	*93.8*			*77-113*	*%REC*	*1*	*19-Jun-2024 00:11*
Surr: Dibromofluoromethane	*88.1*			*77-123*	*%REC*	*1*	*19-Jun-2024 00:11*
Surr: Toluene-d8	*93.3*			*82-127*	*%REC*	*1*	*19-Jun-2024 00:11*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 5
Collection Date: 13-Jun-2024 10:40

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene		U	0.20	1.0	ug/L	1	19-Jun-2024 00:33
Ethylbenzene		U	0.30	1.0	ug/L	1	19-Jun-2024 00:33
m,p-Xylene		U	0.50	2.0	ug/L	1	19-Jun-2024 00:33
o-Xylene		U	0.30	1.0	ug/L	1	19-Jun-2024 00:33
Toluene		U	0.20	1.0	ug/L	1	19-Jun-2024 00:33
Xylenes, Total		U	0.30	3.0	ug/L	1	19-Jun-2024 00:33
Surr: 1,2-Dichloroethane-d4	*80.9*			*70-126*	*%REC*	*1*	*19-Jun-2024 00:33*
Surr: 4-Bromofluorobenzene	*91.0*			*77-113*	*%REC*	*1*	*19-Jun-2024 00:33*
Surr: Dibromofluoromethane	*88.8*			*77-123*	*%REC*	*1*	*19-Jun-2024 00:33*
Surr: Toluene-d8	*98.2*			*82-127*	*%REC*	*1*	*19-Jun-2024 00:33*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 6
Collection Date: 13-Jun-2024 10:45

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-13
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene		U	0.20	1.0	ug/L	1	19-Jun-2024 00:55
Ethylbenzene		U	0.30	1.0	ug/L	1	19-Jun-2024 00:55
m,p-Xylene		U	0.50	2.0	ug/L	1	19-Jun-2024 00:55
o-Xylene		U	0.30	1.0	ug/L	1	19-Jun-2024 00:55
Toluene		U	0.20	1.0	ug/L	1	19-Jun-2024 00:55
Xylenes, Total		U	0.30	3.0	ug/L	1	19-Jun-2024 00:55
Surr: 1,2-Dichloroethane-d4	*84.3*			*70-126*	*%REC*	*1*	*19-Jun-2024 00:55*
Surr: 4-Bromofluorobenzene	*91.1*			*77-113*	*%REC*	*1*	*19-Jun-2024 00:55*
Surr: Dibromofluoromethane	*92.1*			*77-123*	*%REC*	*1*	*19-Jun-2024 00:55*
Surr: Toluene-d8	*98.2*			*82-127*	*%REC*	*1*	*19-Jun-2024 00:55*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 7
Collection Date: 13-Jun-2024 10:55

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-14
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene	U		0.20	1.0	ug/L	1	19-Jun-2024 01:17
Ethylbenzene	U		0.30	1.0	ug/L	1	19-Jun-2024 01:17
m,p-Xylene	U		0.50	2.0	ug/L	1	19-Jun-2024 01:17
o-Xylene	U		0.30	1.0	ug/L	1	19-Jun-2024 01:17
Toluene	U		0.20	1.0	ug/L	1	19-Jun-2024 01:17
Xylenes, Total	U		0.30	3.0	ug/L	1	19-Jun-2024 01:17
Surr: 1,2-Dichloroethane-d4	*82.7*			*70-126*	*%REC*	*1*	*19-Jun-2024 01:17*
Surr: 4-Bromofluorobenzene	*92.1*			*77-113*	*%REC*	*1*	*19-Jun-2024 01:17*
Surr: Dibromofluoromethane	*89.1*			*77-123*	*%REC*	*1*	*19-Jun-2024 01:17*
Surr: Toluene-d8	*95.4*			*82-127*	*%REC*	*1*	*19-Jun-2024 01:17*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 8
Collection Date: 13-Jun-2024 11:05

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-15
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: AKP
Benzene	U		0.20	1.0	ug/L	1	19-Jun-2024 03:42
Ethylbenzene	U		0.30	1.0	ug/L	1	19-Jun-2024 03:42
m,p-Xylene	U		0.50	2.0	ug/L	1	19-Jun-2024 03:42
o-Xylene	U		0.30	1.0	ug/L	1	19-Jun-2024 03:42
Toluene	U		0.20	1.0	ug/L	1	19-Jun-2024 03:42
Xylenes, Total	U		0.30	3.0	ug/L	1	19-Jun-2024 03:42
Surr: 1,2-Dichloroethane-d4	*86.6*			*70-126*	*%REC*	*1*	*19-Jun-2024 03:42*
Surr: 4-Bromofluorobenzene	*96.3*			*77-113*	*%REC*	*1*	*19-Jun-2024 03:42*
Surr: Dibromofluoromethane	*92.4*			*77-123*	*%REC*	*1*	*19-Jun-2024 03:42*
Surr: Toluene-d8	*96.8*			*82-127*	*%REC*	*1*	*19-Jun-2024 03:42*
LOW-LEVEL PAHS - 8270D		**Method:SW8270**			Prep:SW3511 / 17-Jun-2024		Analyst: MBG
1-Methylnaphthalene	**7.52**	n	**0.0211**	**0.106**	**ug/L**	1	19-Jun-2024 22:31
2-Methylnaphthalene	**3.59**		**0.0211**	**0.106**	**ug/L**	1	19-Jun-2024 22:31
Acenaphthene	**0.455**		**0.0211**	**0.106**	**ug/L**	1	19-Jun-2024 22:31
Acenaphthylene	**0.481**		**0.0211**	**0.106**	**ug/L**	1	19-Jun-2024 22:31
Anthracene	U		0.0211	0.106	ug/L	1	19-Jun-2024 22:31
Benz(a)anthracene	U		0.0211	0.106	ug/L	1	19-Jun-2024 22:31
Benzo(a)pyrene	U		0.0211	0.106	ug/L	1	19-Jun-2024 22:31
Benzo(b)fluoranthene	U		0.0211	0.106	ug/L	1	19-Jun-2024 22:31
Benzo(g,h,i)perylene	U		0.0211	0.106	ug/L	1	19-Jun-2024 22:31
Benzo(k)fluoranthene	U		0.0211	0.106	ug/L	1	19-Jun-2024 22:31
Chrysene	U		0.0211	0.106	ug/L	1	19-Jun-2024 22:31
Dibenz(a,h)anthracene	U		0.0211	0.106	ug/L	1	19-Jun-2024 22:31
Dibenzofuran	**5.41**		**0.0317**	**0.106**	**ug/L**	1	19-Jun-2024 22:31
Fluoranthene	U		0.0211	0.106	ug/L	1	19-Jun-2024 22:31
Fluorene	**3.33**		**0.0211**	**0.106**	**ug/L**	1	19-Jun-2024 22:31
Indeno(1,2,3-cd)pyrene	U		0.0211	0.106	ug/L	1	19-Jun-2024 22:31
Naphthalene	**2.47**		**0.0211**	**0.106**	**ug/L**	1	19-Jun-2024 22:31
Phenanthrene	**2.83**		**0.0211**	**0.106**	**ug/L**	1	19-Jun-2024 22:31
Pyrene	U		0.0211	0.106	ug/L	1	19-Jun-2024 22:31
Surr: 2-Fluorobiphenyl	*119*			*32-130*	*%REC*	*1*	*19-Jun-2024 22:31*
Surr: 4-Terphenyl-d14	*121*			*40-135*	*%REC*	*1*	*19-Jun-2024 22:31*
Surr: Nitrobenzene-d5	*120*			*45-142*	*%REC*	*1*	*19-Jun-2024 22:31*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: Dup - 01
Collection Date: 13-Jun-2024 00:00

ANALYTICAL REPORT
WorkOrder:HS24060908
Lab ID:HS24060908-16
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: AKP
Benzene	U		0.20	1.0	ug/L	1	19-Jun-2024 01:39
Ethylbenzene	U		0.30	1.0	ug/L	1	19-Jun-2024 01:39
m,p-Xylene	U		0.50	2.0	ug/L	1	19-Jun-2024 01:39
o-Xylene	U		0.30	1.0	ug/L	1	19-Jun-2024 01:39
Toluene	U		0.20	1.0	ug/L	1	19-Jun-2024 01:39
Xylenes, Total	U		0.30	3.0	ug/L	1	19-Jun-2024 01:39
Surr: 1,2-Dichloroethane-d4	*82.7*			*70-126*	*%REC*	*1*	*19-Jun-2024 01:39*
Surr: 4-Bromofluorobenzene	*88.4*			*77-113*	*%REC*	*1*	*19-Jun-2024 01:39*
Surr: Dibromofluoromethane	*90.1*			*77-123*	*%REC*	*1*	*19-Jun-2024 01:39*
Surr: Toluene-d8	*95.9*			*82-127*	*%REC*	*1*	*19-Jun-2024 01:39*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 21-Jun-24

Weight / Prep Log

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24060908

Batch ID: 213659 **Start Date:** 17 Jun 2024 12:00 **End Date:** 17 Jun 2024 12:00
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24060908-15		31.25 (mL)	2 (mL)	0.064	40 mL Amber

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24060908

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 213659 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS24060908-15	RW 8	13 Jun 2024 11:05		17 Jun 2024 12:00	19 Jun 2024 22:31	1
Batch ID: R469837 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS24060908-01	MW 1	12 Jun 2024 11:10			18 Jun 2024 11:49	1
HS24060908-02	MW 2	11 Jun 2024 10:10			18 Jun 2024 12:11	1
HS24060908-03	MW 3	11 Jun 2024 09:30			18 Jun 2024 12:33	1
HS24060908-04	MW 4	13 Jun 2024 09:30			18 Jun 2024 12:55	1
HS24060908-05	MW 5	13 Jun 2024 11:30			18 Jun 2024 13:17	1
HS24060908-06	MW 6	13 Jun 2024 10:15			18 Jun 2024 13:39	1
HS24060908-07	MW 7	12 Jun 2024 10:30			18 Jun 2024 14:01	1
Batch ID: R469839 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS24060908-08	RW 1	12 Jun 2024 11:50			18 Jun 2024 23:49	1
HS24060908-09	RW 2	13 Jun 2024 10:30			19 Jun 2024 02:53	5
HS24060908-10	RW 3	12 Jun 2024 12:30			19 Jun 2024 04:07	1
HS24060908-11	RW 4	13 Jun 2024 10:00			19 Jun 2024 00:11	1
HS24060908-12	RW 5	13 Jun 2024 10:40			19 Jun 2024 00:33	1
HS24060908-13	RW 6	13 Jun 2024 10:45			19 Jun 2024 00:55	1
HS24060908-14	RW 7	13 Jun 2024 10:55			19 Jun 2024 01:17	1
HS24060908-15	RW 8	13 Jun 2024 11:05			19 Jun 2024 03:42	1
HS24060908-16	Dup - 01	13 Jun 2024 00:00			19 Jun 2024 01:39	1

ALS Houston, US Date: 21-Jun-24

WorkOrder: HS24060908
InstrumentID: SV-6
Test Code: 8270_PAH_LVI
Test Number: SW8270
Test Name: Low-Level PAHs - 8270D

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** µg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	1-Methylnaphthalene	90-12-0	0.0500	0.0322	0.0200	0.100
A	2-Methylnaphthalene	91-57-6	0.0500	0.0420	0.0200	0.100
A	Acenaphthene	83-32-9	0.0500	0.0338	0.0200	0.100
A	Acenaphthylene	208-96-8	0.0500	0.0363	0.0200	0.100
A	Anthracene	120-12-7	0.0500	0.0353	0.0200	0.100
A	Benz(a)anthracene	56-55-3	0.0500	0.0445	0.0200	0.100
A	Benzo(a)pyrene	50-32-8	0.0500	0.0408	0.0200	0.100
A	Benzo(b)fluoranthene	205-99-2	0.0500	0.0435	0.0200	0.100
A	Benzo(g,h,i)perylene	191-24-2	0.0500	0.0299	0.0200	0.100
A	Benzo(k)fluoranthene	207-08-9	0.0500	0.0395	0.0200	0.100
A	Chrysene	218-01-9	0.0500	0.0419	0.0200	0.100
A	Dibenz(a,h)anthracene	53-70-3	0.0500	0.0375	0.0200	0.100
A	Dibenzofuran	132-64-9	0.0500	0.0378	0.0300	0.100
A	Fluoranthene	206-44-0	0.0500	0.0398	0.0200	0.100
A	Fluorene	86-73-7	0.0500	0.0423	0.0200	0.100
A	Indeno(1,2,3-cd)pyrene	193-39-5	0.0500	0.0428	0.0200	0.100
A	Naphthalene	91-20-3	0.0500	0.0433	0.0200	0.100
A	Phenanthrene	85-01-8	0.0500	0.0418	0.0200	0.100
A	Pyrene	129-00-0	0.0500	0.0176	0.0200	0.100
S	2-Fluorobiphenyl	321-60-8	0	0	0	0.100
S	4-Terphenyl-d14	1718-51-0	0	0	0	0.100
S	Nitrobenzene-d5	4165-60-0	0	0	0	0.100

ALS Houston, US Date: 21-Jun-24

WorkOrder: HS24060908
InstrumentID: VOA11
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** µg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Benzene	71-43-2	0.50	0.43	0.20	1.0
A	Ethylbenzene	100-41-4	0.50	0.39	0.30	1.0
A	m,p-Xylene	179601-23-1	1.0	0.74	0.50	2.0
A	o-Xylene	95-47-6	0.50	0.36	0.30	1.0
A	Toluene	108-88-3	0.50	0.45	0.20	1.0
A	Xylenes, Total	1330-20-7	1.5	1.1	0.30	3.0
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	1.0
S	4-Bromofluorobenzene	460-00-4	0	0	0	1.0
S	Dibromofluoromethane	1868-53-7	0	0	0	1.0
S	Toluene-d8	2037-26-5	0	0	0	1.0

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24060908

QC BATCH REPORT

Batch ID: 213659 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-213659** Units: **ug/L** Analysis Date: **19-Jun-2024 18:28**
Client ID: Run ID: **SV-6_470038** SeqNo: **8089387** PrepDate: **17-Jun-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	U	0.100							
2-Methylnaphthalene	U	0.100							
Acenaphthene	U	0.100							
Acenaphthylene	U	0.100							
Anthracene	U	0.100							
Benz(a)anthracene	U	0.100							
Benzo(a)pyrene	U	0.100							
Benzo(b)fluoranthene	U	0.100							
Benzo(g,h,i)perylene	U	0.100							
Benzo(k)fluoranthene	U	0.100							
Chrysene	U	0.100							
Dibenz(a,h)anthracene	U	0.100							
Dibenzofuran	U	0.100							
Fluoranthene	U	0.100							
Fluorene	U	0.100							
Indeno(1,2,3-cd)pyrene	U	0.100							
Naphthalene	U	0.100							
Phenanthrene	U	0.100							
Pyrene	U	0.100							
Surr: 2-Fluorobiphenyl	*2.375*	*0.100*	*3.03*	*0*	*78.4*	*32 - 130*			
Surr: 4-Terphenyl-d14	*1.932*	*0.100*	*3.03*	*0*	*63.8*	*40 - 135*			
Surr: Nitrobenzene-d5	*1.877*	*0.100*	*3.03*	*0*	*61.9*	*45 - 142*			

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24060908

QC BATCH REPORT

Batch ID: 213659 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-213659** Units: **ug/L** Analysis Date: **19-Jun-2024 18:49**
Client ID: Run ID: **SV-6_470038** SeqNo: **8089388** PrepDate: **17-Jun-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	2.7	0.100	3.03	0	89.1	40 - 140			
2-Methylnaphthalene	2.978	0.100	3.03	0	98.3	40 - 140			
Acenaphthene	2.911	0.100	3.03	0	96.1	40 - 140			
Acenaphthylene	2.651	0.100	3.03	0	87.5	40 - 140			
Anthracene	3.159	0.100	3.03	0	104	40 - 140			
Benz(a)anthracene	2.683	0.100	3.03	0	88.5	40 - 140			
Benzo(a)pyrene	2.249	0.100	3.03	0	74.2	40 - 140			
Benzo(b)fluoranthene	2.517	0.100	3.03	0	83.1	40 - 140			
Benzo(g,h,i)perylene	2.297	0.100	3.03	0	75.8	40 - 140			
Benzo(k)fluoranthene	2.491	0.100	3.03	0	82.2	40 - 140			
Chrysene	2.999	0.100	3.03	0	99.0	40 - 140			
Dibenz(a,h)anthracene	2.254	0.100	3.03	0	74.4	40 - 140			
Dibenzofuran	2.536	0.100	3.03	0	83.7	40 - 140			
Fluoranthene	2.622	0.100	3.03	0	86.5	40 - 140			
Fluorene	2.634	0.100	3.03	0	86.9	40 - 140			
Indeno(1,2,3-cd)pyrene	2.181	0.100	3.03	0	72.0	40 - 140			
Naphthalene	3.016	0.100	3.03	0	99.6	40 - 140			
Phenanthrene	2.699	0.100	3.03	0	89.1	40 - 140			
Pyrene	2.512	0.100	3.03	0	82.9	40 - 140			
Surr: 2-Fluorobiphenyl	*2.37*	*0.100*	*3.03*	*0*	*78.2*	*32 - 130*			
Surr: 4-Terphenyl-d14	*2.417*	*0.100*	*3.03*	*0*	*79.8*	*40 - 135*			
Surr: Nitrobenzene-d5	*2.481*	*0.100*	*3.03*	*0*	*81.9*	*45 - 142*			

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24060908

QC BATCH REPORT

Batch ID: 213659 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-213659** Units: **ug/L** Analysis Date: **19-Jun-2024 19:09**
Client ID: Run ID: **SV-6_470038** SeqNo: **8089389** PrepDate: **17-Jun-2024** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.102	0.100	3.03	0	102	40 - 140	2.7	13.8	25	
2-Methylnaphthalene	2.889	0.100	3.03	0	95.4	40 - 140	2.978	3.01	25	
Acenaphthene	2.738	0.100	3.03	0	90.4	40 - 140	2.911	6.15	25	
Acenaphthylene	2.712	0.100	3.03	0	89.5	40 - 140	2.651	2.25	25	
Anthracene	2.859	0.100	3.03	0	94.4	40 - 140	3.159	9.95	25	
Benz(a)anthracene	2.156	0.100	3.03	0	71.1	40 - 140	2.683	21.8	25	
Benzo(a)pyrene	2.283	0.100	3.03	0	75.4	40 - 140	2.249	1.51	25	
Benzo(b)fluoranthene	2.432	0.100	3.03	0	80.3	40 - 140	2.517	3.44	25	
Benzo(g,h,i)perylene	2.298	0.100	3.03	0	75.8	40 - 140	2.297	0.0633	25	
Benzo(k)fluoranthene	2.356	0.100	3.03	0	77.7	40 - 140	2.491	5.6	25	
Chrysene	2.771	0.100	3.03	0	91.5	40 - 140	2.999	7.89	25	
Dibenz(a,h)anthracene	2.162	0.100	3.03	0	71.4	40 - 140	2.254	4.16	25	
Dibenzofuran	2.595	0.100	3.03	0	85.6	40 - 140	2.536	2.29	25	
Fluoranthene	2.402	0.100	3.03	0	79.3	40 - 140	2.622	8.76	25	
Fluorene	2.681	0.100	3.03	0	88.5	40 - 140	2.634	1.79	25	
Indeno(1,2,3-cd)pyrene	2.055	0.100	3.03	0	67.8	40 - 140	2.181	5.97	25	
Naphthalene	2.951	0.100	3.03	0	97.4	40 - 140	3.016	2.18	25	
Phenanthrene	2.422	0.100	3.03	0	79.9	40 - 140	2.699	10.8	25	
Pyrene	2.28	0.100	3.03	0	75.3	40 - 140	2.512	9.66	25	
Surr: 2-Fluorobiphenyl	*2.446*	*0.100*	*3.03*	*0*	*80.7*	*32 - 130*	*2.37*	*3.16*	*25*	
Surr: 4-Terphenyl-d14	*2.164*	*0.100*	*3.03*	*0*	*71.4*	*40 - 135*	*2.417*	*11*	*25*	
Surr: Nitrobenzene-d5	*2.07*	*0.100*	*3.03*	*0*	*68.3*	*45 - 142*	*2.481*	*18.1*	*25*	

The following samples were analyzed in this batch: HS24060908-15

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24060908

QC BATCH REPORT

Batch ID: R469837 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240618** Units: **ug/L** Analysis Date: **18-Jun-2024 11:05**
Client ID: Run ID: **VOA11_469837** SeqNo: **8085245** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
o-Xylene	U	1.0								
Toluene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 1,2-Dichloroethane-d4	*40.04*	*1.0*	*50*	*0*	*80.1*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*45.08*	*1.0*	*50*	*0*	*90.2*	*77 - 113*				
Surr: Dibromofluoromethane	*44.75*	*1.0*	*50*	*0*	*89.5*	*73 - 126*				
Surr: Toluene-d8	*48.67*	*1.0*	*50*	*0*	*97.3*	*81 - 120*				

LCS Sample ID: **VLCSW-240618** Units: **ug/L** Analysis Date: **18-Jun-2024 09:58**
Client ID: Run ID: **VOA11_469837** SeqNo: **8085243** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.31	1.0	20	0	91.5	74 - 120				
Ethylbenzene	19.21	1.0	20	0	96.1	77 - 117				
m,p-Xylene	38.81	2.0	40	0	97.0	77 - 122				
o-Xylene	19.19	1.0	20	0	95.9	75 - 119				
Toluene	17.9	1.0	20	0	89.5	77 - 118				
Xylenes, Total	58	3.0	60	0	96.7	75 - 122				
Surr: 1,2-Dichloroethane-d4	*38.61*	*1.0*	*50*	*0*	*77.2*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*47.2*	*1.0*	*50*	*0*	*94.4*	*77 - 113*				
Surr: Dibromofluoromethane	*44.72*	*1.0*	*50*	*0*	*89.4*	*73 - 126*				
Surr: Toluene-d8	*48.24*	*1.0*	*50*	*0*	*96.5*	*81 - 120*				

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24060908

QC BATCH REPORT

Batch ID: R469837 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240618** Units: **ug/L** Analysis Date: **18-Jun-2024 10:20**
Client ID: Run ID: **VOA11_469837** SeqNo: **8085244** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.33	1.0	20	0	86.7	74 - 120	18.31	5.46	20	
Ethylbenzene	18.97	1.0	20	0	94.9	77 - 117	19.21	1.27	20	
m,p-Xylene	38.39	2.0	40	0	96.0	77 - 122	38.81	1.1	20	
o-Xylene	19.28	1.0	20	0	96.4	75 - 119	19.19	0.498	20	
Toluene	17.73	1.0	20	0	88.7	77 - 118	17.9	0.939	20	
Xylenes, Total	57.67	3.0	60	0	96.1	75 - 122	58	0.568	20	
Surr: 1,2-Dichloroethane-d4	*37.93*	*1.0*	*50*	*0*	*75.9*	*70 - 123*	*38.61*	*1.8*	*20*	
Surr: 4-Bromofluorobenzene	*46.72*	*1.0*	*50*	*0*	*93.4*	*77 - 113*	*47.2*	*1.02*	*20*	
Surr: Dibromofluoromethane	*43.39*	*1.0*	*50*	*0*	*86.8*	*73 - 126*	*44.72*	*3.02*	*20*	
Surr: Toluene-d8	*49.28*	*1.0*	*50*	*0*	*98.6*	*81 - 120*	*48.24*	*2.13*	*20*	

MS Sample ID: **HS24060908-03MS** Units: **ug/L** Analysis Date: **18-Jun-2024 19:01**
Client ID: **MW 3** Run ID: **VOA11_469837** SeqNo: **8085266** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.11	1.0	20	0	95.5	70 - 127				
Ethylbenzene	20.01	1.0	20	0	100	70 - 124				
m,p-Xylene	41.33	2.0	40	0	103	70 - 130				
o-Xylene	19.91	1.0	20	0	99.5	70 - 124				
Toluene	18.56	1.0	20	0	92.8	70 - 123				
Xylenes, Total	61.23	3.0	60	0	102	70 - 130				
Surr: 1,2-Dichloroethane-d4	*39.12*	*1.0*	*50*	*0*	*78.2*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*48.02*	*1.0*	*50*	*0*	*96.0*	*77 - 113*				
Surr: Dibromofluoromethane	*44.4*	*1.0*	*50*	*0*	*88.8*	*77 - 123*				
Surr: Toluene-d8	*48.78*	*1.0*	*50*	*0*	*97.6*	*82 - 127*				

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24060908

QC BATCH REPORT

Batch ID: R469837 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24060908-03MSD** Units: **ug/L** Analysis Date: **18-Jun-2024 19:23**
Client ID: **MW 3** Run ID: **VOA11_469837** SeqNo: **8085267** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Benzene	18.27	1.0	20	0	91.3	70 - 127	19.11	4.48	20	
Ethylbenzene	19.22	1.0	20	0	96.1	70 - 124	20.01	4.02	20	
m,p-Xylene	39.46	2.0	40	0	98.6	70 - 130	41.33	4.62	20	
o-Xylene	19.54	1.0	20	0	97.7	70 - 124	19.91	1.88	20	
Toluene	18.43	1.0	20	0	92.1	70 - 123	18.56	0.739	20	
Xylenes, Total	59	3.0	60	0	98.3	70 - 130	61.23	3.72	20	
Surr: 1,2-Dichloroethane-d4	*38.21*	*1.0*	*50*	*0*	*76.4*	*70 - 126*	*39.12*	*2.33*	*20*	
Surr: 4-Bromofluorobenzene	*46.73*	*1.0*	*50*	*0*	*93.5*	*77 - 113*	*48.02*	*2.71*	*20*	
Surr: Dibromofluoromethane	*43.86*	*1.0*	*50*	*0*	*87.7*	*77 - 123*	*44.4*	*1.22*	*20*	
Surr: Toluene-d8	*48.81*	*1.0*	*50*	*0*	*97.6*	*82 - 127*	*48.78*	*0.0738*	*20*	

The following samples were analyzed in this batch: HS24060908-01 HS24060908-02 HS24060908-03 HS24060908-04 HS24060908-05 HS24060908-06 HS24060908-07

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24060908

QC BATCH REPORT

Batch ID: R469839 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240618** Units: **ug/L** Analysis Date: **18-Jun-2024 21:58**
Client ID: Run ID: **VOA11_469839** SeqNo: **8085305** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
o-Xylene	U	1.0								
Toluene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 1,2-Dichloroethane-d4	*39.9*	*1.0*	*50*	*0*	*79.8*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*45.53*	*1.0*	*50*	*0*	*91.1*	*77 - 113*				
Surr: Dibromofluoromethane	*45.04*	*1.0*	*50*	*0*	*90.1*	*73 - 126*				
Surr: Toluene-d8	*48.24*	*1.0*	*50*	*0*	*96.5*	*81 - 120*				

LCS Sample ID: **VLCSW-240618** Units: **ug/L** Analysis Date: **18-Jun-2024 20:52**
Client ID: Run ID: **VOA11_469839** SeqNo: **8085303** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.88	1.0	20	0	89.4	74 - 120				
Ethylbenzene	19.22	1.0	20	0	96.1	77 - 117				
m,p-Xylene	39.31	2.0	40	0	98.3	77 - 122				
o-Xylene	19.72	1.0	20	0	98.6	75 - 119				
Toluene	17.82	1.0	20	0	89.1	77 - 118				
Xylenes, Total	59.03	3.0	60	0	98.4	75 - 122				
Surr: 1,2-Dichloroethane-d4	*39.5*	*1.0*	*50*	*0*	*79.0*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*47.61*	*1.0*	*50*	*0*	*95.2*	*77 - 113*				
Surr: Dibromofluoromethane	*43.55*	*1.0*	*50*	*0*	*87.1*	*73 - 126*				
Surr: Toluene-d8	*49.14*	*1.0*	*50*	*0*	*98.3*	*81 - 120*				

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24060908

QC BATCH REPORT

Batch ID: R469839 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240618** Units: **ug/L** Analysis Date: **18-Jun-2024 21:14**
Client ID: Run ID: **VOA11_469839** SeqNo: **8085304** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	17.11	1.0	20	0	85.5	74 - 120	17.88	4.39	20	
Ethylbenzene	18.02	1.0	20	0	90.1	77 - 117	19.22	6.45	20	
m,p-Xylene	36.74	2.0	40	0	91.9	77 - 122	39.31	6.77	20	
o-Xylene	18.29	1.0	20	0	91.4	75 - 119	19.72	7.53	20	
Toluene	16.67	1.0	20	0	83.4	77 - 118	17.82	6.68	20	
Xylenes, Total	55.03	3.0	60	0	91.7	75 - 122	59.03	7.02	20	
Surr: 1,2-Dichloroethane-d4	*38.48*	*1.0*	*50*	*0*	*77.0*	*70 - 123*	*39.5*	*2.61*	*20*	
Surr: 4-Bromofluorobenzene	*48*	*1.0*	*50*	*0*	*96.0*	*77 - 113*	*47.61*	*0.805*	*20*	
Surr: Dibromofluoromethane	*43.92*	*1.0*	*50*	*0*	*87.8*	*73 - 126*	*43.55*	*0.85*	*20*	
Surr: Toluene-d8	*47.67*	*1.0*	*50*	*0*	*95.3*	*81 - 120*	*49.14*	*3.03*	*20*	

MS Sample ID: **HS24060975-04MS** Units: **ug/L** Analysis Date: **19-Jun-2024 06:07**
Client ID: Run ID: **VOA11_469839** SeqNo: **8085326** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.42	1.0	20	0	92.1	70 - 127				
Ethylbenzene	19.34	1.0	20	0	96.7	70 - 124				
m,p-Xylene	39.68	2.0	40	0	99.2	70 - 130				
o-Xylene	19.18	1.0	20	0	95.9	70 - 124				
Toluene	18.15	1.0	20	0	90.8	70 - 123				
Xylenes, Total	58.86	3.0	60	0	98.1	70 - 130				
Surr: 1,2-Dichloroethane-d4	*40.2*	*1.0*	*50*	*0*	*80.4*	*70 - 126*				
Surr: 4-Bromofluorobenzene	*47.22*	*1.0*	*50*	*0*	*94.4*	*77 - 113*				
Surr: Dibromofluoromethane	*44.86*	*1.0*	*50*	*0*	*89.7*	*77 - 123*				
Surr: Toluene-d8	*47.9*	*1.0*	*50*	*0*	*95.8*	*82 - 127*				

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24060908

QC BATCH REPORT

Batch ID: R469839 (0) **Instrument: VOA11** **Method: LOW LEVEL VOLATILES BY SW8260C**

MSD Sample ID: **HS24060975-04MSD** Units: **ug/L** Analysis Date: **19-Jun-2024 06:29**
Client ID: Run ID: **VOA11_469839** SeqNo: **8085327** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Benzene	17.87	1.0	20	0	89.4	70 - 127	18.42	3.01	20	
Ethylbenzene	18.91	1.0	20	0	94.5	70 - 124	19.34	2.25	20	
m,p-Xylene	37.77	2.0	40	0	94.4	70 - 130	39.68	4.92	20	
o-Xylene	18.65	1.0	20	0	93.2	70 - 124	19.18	2.82	20	
Toluene	17.3	1.0	20	0	86.5	70 - 123	18.15	4.81	20	
Xylenes, Total	56.42	3.0	60	0	94.0	70 - 130	58.86	4.23	20	
Surr: 1,2-Dichloroethane-d4	*41.06*	*1.0*	*50*	*0*	*82.1*	*70 - 126*	*40.2*	*2.11*	*20*	
Surr: 4-Bromofluorobenzene	*46.53*	*1.0*	*50*	*0*	*93.1*	*77 - 113*	*47.22*	*1.48*	*20*	
Surr: Dibromofluoromethane	*44.21*	*1.0*	*50*	*0*	*88.4*	*77 - 123*	*44.86*	*1.46*	*20*	
Surr: Toluene-d8	*47.2*	*1.0*	*50*	*0*	*94.4*	*82 - 127*	*47.9*	*1.48*	*20*	

The following samples were analyzed in this batch: HS24060908-08 HS24060908-09 HS24060908-10 HS24060908-11 HS24060908-12 HS24060908-13 HS24060908-14 HS24060908-15 HS24060908-16

ALS Houston, US Date: 21-Jun-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: **HS24060908**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

ALS Houston, US Date: 21-Jun-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
Oklahoma	2023-140	31-Aug-2024
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US Date: 21-Jun-24

Sample Receipt Checklist

Work Order ID: HS24060908 **Date/Time Received:** 14-Jun-2024 09:20

Client Name: ENTECH **Received by:** Paresh M. Giga

Completed By:	/S/ Michael Lucio	14-Jun-2024 15:51	**Reviewed by:**	/S/ Andy C. Neir	18-Jun-2024 12:41
	eSignature	Date/Time		eSignature	Date/Time

Matrices: w Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:315146
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	0.5uc/0.8c	IR31
Cooler(s)/Kit(s):	49956	
Date/Time sample(s) sent to storage:	06/14/2024 15:52	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes: Trip Blank placed on HOLD. Not on COC.

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 2

COC ID: 315146

HS24060908

Entech Consulting Corp.

Vac to Jal 5-Plains

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	SRS 2003-00134	Project Name	Vac to Jal 5-Plains	A	8260_LL_W (BETX)
Work Order		Project Number		B	8270_PAH_LVI (PAH)
Company Name	Entech Consulting Corp.	Bill To Company	Plains All American Pipeline, LP	C	
Send Report To	Chan Patel	Invoice Attn	ENV-00 Accounts Payable	D	
Address	21 Waterway Avenue Suite 300	Address	c/o ENV-00. Accounts Payable P.O. Box 4648	E F	
City/State/Zip	The Woodlands, TX 77380	City/State/Zip	Houston TX 77210-4648	G	
Phone	(713) 201-5704	Phone	(713) 646-4610	H	
Fax	(281) 362-2704	Fax	(713) 646-4199	I	
e-Mail Address	chan.patel@entechservice.com	e-Mail Address	APCustomerService@plains.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW 1	6-12-24	11:10	W	—	3	X										
2	MW 2	6-11-24	10:10														
3	MW 3	6-11-24	9:30														
4	MW 4	6-13-24	9:30														
5	MW 5	6-13-24	11:30														
6	MW 6	6-13-24	10:15														
7	MW 7	6-12-24	10:30														
8	RW 1	6-12-24	11:50														
9	RW 2	6-13-24	10:30														
10	RW 3	6-12-24	12:30														

Sampler(s) Please Print & Sign: Greg Flores

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by: R Cigg	6/14/24	09:20
Relinquished by:	Date:	Time:	Received by (Laboratory):		
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

Notes: Vac to Jal #5-Plains

Cooler ID	Cooler Temp.
49956	0.5C

QC Package: (Check One Box Below)

☐ Level II Std QC ☒ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

IR#31 CF+0.1C

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 315147

HS24060908

Entech Consulting Corp.
Vac to Jal 5-Plains

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	SRS 2003-00134	Project Name	Vac to Jal 5-Plains	A	8260_LL_W (BETX)
Work Order		Project Number		B	8270_PAH_LVI (PAH)
Company Name	Entech Consulting Corp.	Bill To Company	Plains All American Pipeline, LP	C	
Send Report To	Chan Patel	Invoice Attn	ENV-00 Accounts Payable	D	
Address	21 Waterway Avenue Suite 300	Address	c/o ENV-00, Accounts Payable P.O. Box 4648	E F	
City/State/Zip	The Woodlands, TX 77380	City/State/Zip	Houston TX 77210-4648	G	
Phone	(713) 201-5704	Phone	(713) 646-4610	H	
Fax	(281) 362-2704	Fax	(713) 646-4199	I	
e-Mail Address	chan.patel@entechservice.com	e-Mail Address	APCustomerService@plains.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	RW 4	6-13-24	10:00	W	—	3	X										
2	RW 5	6-13-24	10:40	W	—	3	X										
3	RW 6	6-13-24	10:45	W	—	3	X										
4	RW 7	6-13-24	10:55	W	—	3	X										
5	RW 8	6-13-24	11:05	W	—	6	X	X									
6	Dup-01	—	—	W	—	3	X										
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Greg Flores Greg Flo

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Other ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Greg Flo			
Relinquished by:	Date:	Time:	Received by (Laboratory):
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Vac to Jal #5-Plains

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL
Seal Broken By:
Date:
Time: 3:00
Date: 6-13-24
Name:
Company:

Time and Temperature Sensitive

ORIGIN ID:SGRA (713) 201 8704
GREG FARES
ENTECH
3 AMHERST COURT
MIDLAND, TX 79705
UNITED STATES US

SHIP DATE: 06JUN24
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3808

TO SAMPLE RECEIVING
ALS GROUP USA,CORP
10450 STANCLIFF ROAD
SUITE 210
HOUSTON TX 77099
(281) 530-5656
REF: VAC TO JAL - B0101500 - AN

RMA:

FedEx Express

FedEx
TRK# 0221 7386 7922 6991

FRI - 14 JUN 10:30A
PRIORITY OVERNIGHT

AB SGRA

77099
TX-US IAH

#4323792 06/13 583J5/B21D/9AE3

6/14/24

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

October 01, 2024

Chan Patel
Entech Consulting Corp.
21 Waterway Avenue
Suite 300
The Woodlands, TX 77380

Work Order: **HS24091549**

Laboratory Results for: **Vac to Jal 5-Plains**

Dear Chan Patel,

ALS Environmental received 7 sample(s) on Sep 30, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Andy C. Neir

ALS Houston, US Date: 01-Oct-24

Client:	Entech Consulting Corp.	**TRRP Laboratory Data Package Cover Page**
Project:	Vac to Jal 5-Plains	
WorkOrder:	**HS24091549**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

ALS Houston, US Date: 01-Oct-24

Client:	Entech Consulting Corp.
Project:	Vac to Jal 5-Plains
WorkOrder:	**HS24091549**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Andy C. Neir

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 10/01/2024
Project Name: Vac to Jal 5-Plains	Laboratory Job Number: HS24091549
Reviewer Name: Andy Neir	Prep Batch Number(s): R478592

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 10/01/2024				
Project Name: Vac to Jal 5-Plains			Laboratory Job Number: HS24091549				
Reviewer Name: Andy Neir			Prep Batch Number(s): R478592				
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 10/01/2024
Project Name: Vac to Jal 5-Plains	Laboratory Job Number: HS24091549
Reviewer Name: Andy Neir	Prep Batch Number(s): R478592

ER#[5]	Description
1	Batch R478592, Volatiles Method SW8260 Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

ALS Houston, US Date: 01-Oct-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Work Order: HS24091549

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24091549-01	MW 3	Water		27-Sep-2024 09:30	30-Sep-2024 09:20	☐
HS24091549-02	MW 6	Water		27-Sep-2024 10:30	30-Sep-2024 09:20	☐
HS24091549-03	RW 1	Water		27-Sep-2024 09:45	30-Sep-2024 09:20	☐
HS24091549-04	RW 3	Water		27-Sep-2024 10:15	30-Sep-2024 09:20	☐
HS24091549-05	RW 7	Water		27-Sep-2024 10:00	30-Sep-2024 09:20	☐
HS24091549-06	Dup - 01	Water		27-Sep-2024 00:00	30-Sep-2024 09:20	☐
HS24091549-07	Trip Blank	Water	CG-080224-488	27-Sep-2024 00:00	30-Sep-2024 09:20	☑

ALS Houston, US Date: 01-Oct-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 3
Collection Date: 27-Sep-2024 09:30

ANALYTICAL REPORT
WorkOrder:HS24091549
Lab ID:HS24091549-01
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: TS
Benzene	U		0.20	1.0	ug/L	1	30-Sep-2024 16:15
Ethylbenzene	U		0.30	1.0	ug/L	1	30-Sep-2024 16:15
m,p-Xylene	**1.8**	J	**0.50**	**2.0**	**ug/L**	1	30-Sep-2024 16:15
o-Xylene	**1.1**		**0.30**	**1.0**	**ug/L**	1	30-Sep-2024 16:15
Toluene	**3.9**		**0.20**	**1.0**	**ug/L**	1	30-Sep-2024 16:15
Xylenes, Total	**2.9**	J	**0.30**	**3.0**	**ug/L**	1	30-Sep-2024 16:15
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*30-Sep-2024 16:15*
Surr: 4-Bromofluorobenzene	*91.9*			*77-113*	*%REC*	*1*	*30-Sep-2024 16:15*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*30-Sep-2024 16:15*
Surr: Toluene-d8	*98.6*			*82-127*	*%REC*	*1*	*30-Sep-2024 16:15*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 01-Oct-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 6
Collection Date: 27-Sep-2024 10:30

ANALYTICAL REPORT
WorkOrder:HS24091549
Lab ID:HS24091549-02
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: TS
Benzene	U		0.20	1.0	ug/L	1	30-Sep-2024 16:37
Ethylbenzene	U		0.30	1.0	ug/L	1	30-Sep-2024 16:37
m,p-Xylene	**0.56**	J	**0.50**	**2.0**	**ug/L**	1	30-Sep-2024 16:37
o-Xylene	U		0.30	1.0	ug/L	1	30-Sep-2024 16:37
Toluene	**0.73**	J	**0.20**	**1.0**	**ug/L**	1	30-Sep-2024 16:37
Xylenes, Total	**0.56**	J	**0.30**	**3.0**	**ug/L**	1	30-Sep-2024 16:37
Surr: 1,2-Dichloroethane-d4	*111*			*70-126*	*%REC*	*1*	*30-Sep-2024 16:37*
Surr: 4-Bromofluorobenzene	*90.1*			*77-113*	*%REC*	*1*	*30-Sep-2024 16:37*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*30-Sep-2024 16:37*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*30-Sep-2024 16:37*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 01-Oct-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 1
Collection Date: 27-Sep-2024 09:45

ANALYTICAL REPORT
WorkOrder:HS24091549
Lab ID:HS24091549-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: TS
Benzene	**1.1**		**0.20**	**1.0**	**ug/L**	1	30-Sep-2024 16:59
Ethylbenzene	**0.57**	J	**0.30**	**1.0**	**ug/L**	1	30-Sep-2024 16:59
m,p-Xylene	**6.7**		**0.50**	**2.0**	**ug/L**	1	30-Sep-2024 16:59
o-Xylene	**1.6**		**0.30**	**1.0**	**ug/L**	1	30-Sep-2024 16:59
Toluene	**0.57**	J	**0.20**	**1.0**	**ug/L**	1	30-Sep-2024 16:59
Xylenes, Total	**8.3**		**0.30**	**3.0**	**ug/L**	1	30-Sep-2024 16:59
Surr: 1,2-Dichloroethane-d4	*107*			*70-126*	*%REC*	*1*	*30-Sep-2024 16:59*
Surr: 4-Bromofluorobenzene	*96.9*			*77-113*	*%REC*	*1*	*30-Sep-2024 16:59*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*30-Sep-2024 16:59*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*30-Sep-2024 16:59*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 01-Oct-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 3
Collection Date: 27-Sep-2024 10:15

ANALYTICAL REPORT
WorkOrder:HS24091549
Lab ID:HS24091549-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: TS
Benzene	**0.69**	J	**0.20**	**1.0**	**ug/L**	1	30-Sep-2024 17:20
Ethylbenzene	**0.51**	J	**0.30**	**1.0**	**ug/L**	1	30-Sep-2024 17:20
m,p-Xylene	**2.0**	J	**0.50**	**2.0**	**ug/L**	1	30-Sep-2024 17:20
o-Xylene	U		0.30	1.0	ug/L	1	30-Sep-2024 17:20
Toluene	U		0.20	1.0	ug/L	1	30-Sep-2024 17:20
Xylenes, Total	**2.0**	J	**0.30**	**3.0**	**ug/L**	1	30-Sep-2024 17:20
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*30-Sep-2024 17:20*
Surr: 4-Bromofluorobenzene	*94.8*			*77-113*	*%REC*	*1*	*30-Sep-2024 17:20*
Surr: Dibromofluoromethane	*98.8*			*77-123*	*%REC*	*1*	*30-Sep-2024 17:20*
Surr: Toluene-d8	*104*			*82-127*	*%REC*	*1*	*30-Sep-2024 17:20*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 01-Oct-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 7
Collection Date: 27-Sep-2024 10:00

ANALYTICAL REPORT
WorkOrder:HS24091549
Lab ID:HS24091549-05
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: TS
Benzene	**0.64**	J	**0.20**	**1.0**	**ug/L**	1	30-Sep-2024 17:42
Ethylbenzene	U		0.30	1.0	ug/L	1	30-Sep-2024 17:42
m,p-Xylene	U		0.50	2.0	ug/L	1	30-Sep-2024 17:42
o-Xylene	U		0.30	1.0	ug/L	1	30-Sep-2024 17:42
Toluene	U		0.20	1.0	ug/L	1	30-Sep-2024 17:42
Xylenes, Total	U		0.30	3.0	ug/L	1	30-Sep-2024 17:42
Surr: 1,2-Dichloroethane-d4	*112*			*70-126*	*%REC*	*1*	*30-Sep-2024 17:42*
Surr: 4-Bromofluorobenzene	*94.6*			*77-113*	*%REC*	*1*	*30-Sep-2024 17:42*
Surr: Dibromofluoromethane	*103*			*77-123*	*%REC*	*1*	*30-Sep-2024 17:42*
Surr: Toluene-d8	*103*			*82-127*	*%REC*	*1*	*30-Sep-2024 17:42*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 01-Oct-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: Dup - 01
Collection Date: 27-Sep-2024 00:00

ANALYTICAL REPORT
WorkOrder:HS24091549
Lab ID:HS24091549-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: TS
Benzene	**0.61**	J	**0.20**	**1.0**	**ug/L**	1	30-Sep-2024 18:04
Ethylbenzene	**0.56**	J	**0.30**	**1.0**	**ug/L**	1	30-Sep-2024 18:04
m,p-Xylene	**2.0**	J	**0.50**	**2.0**	**ug/L**	1	30-Sep-2024 18:04
o-Xylene	U		0.30	1.0	ug/L	1	30-Sep-2024 18:04
Toluene	U		0.20	1.0	ug/L	1	30-Sep-2024 18:04
Xylenes, Total	**2.0**	J	**0.30**	**3.0**	**ug/L**	1	30-Sep-2024 18:04
Surr: 1,2-Dichloroethane-d4	*105*			*70-126*	*%REC*	*1*	*30-Sep-2024 18:04*
Surr: 4-Bromofluorobenzene	*95.6*			*77-113*	*%REC*	*1*	*30-Sep-2024 18:04*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*30-Sep-2024 18:04*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*30-Sep-2024 18:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 01-Oct-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24091549

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R478592 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS24091549-01	MW 3	27 Sep 2024 09:30			30 Sep 2024 16:15	1
HS24091549-02	MW 6	27 Sep 2024 10:30			30 Sep 2024 16:37	1
HS24091549-03	RW 1	27 Sep 2024 09:45			30 Sep 2024 16:59	1
HS24091549-04	RW 3	27 Sep 2024 10:15			30 Sep 2024 17:20	1
HS24091549-05	RW 7	27 Sep 2024 10:00			30 Sep 2024 17:42	1
HS24091549-06	Dup - 01	27 Sep 2024 00:00			30 Sep 2024 18:04	1

ALS Houston, US Date: 01-Oct-24

WorkOrder: HS24091549
InstrumentID: VOA9
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** µg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Benzene	71-43-2	0.50	0.46	0.20	1.0
A	Ethylbenzene	100-41-4	0.50	0.30	0.30	1.0
A	m,p-Xylene	179601-23-1	1.0	0.67	0.50	2.0
A	o-Xylene	95-47-6	0.50	0.28	0.30	1.0
A	Toluene	108-88-3	0.50	0.49	0.20	1.0
A	Xylenes, Total	1330-20-7	1.5	0.94	0.30	3.0
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	1.0
S	4-Bromofluorobenzene	460-00-4	0	0	0	1.0
S	Dibromofluoromethane	1868-53-7	0	0	0	1.0
S	Toluene-d8	2037-26-5	0	0	0	1.0

ALS Houston, US Date: 01-Oct-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24091549

QC BATCH REPORT

Batch ID: R478592 (0) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-240930** Units: **ug/L** Analysis Date: **30-Sep-2024 10:45**
Client ID: Run ID: **VOA9_478592** SeqNo: **8282309** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
o-Xylene	U	1.0								
Toluene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 1,2-Dichloroethane-d4	*54.64*	*1.0*	*50*	*0*	*109*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*46.11*	*1.0*	*50*	*0*	*92.2*	*77 - 113*				
Surr: Dibromofluoromethane	*53.1*	*1.0*	*50*	*0*	*106*	*73 - 126*				
Surr: Toluene-d8	*49.9*	*1.0*	*50*	*0*	*99.8*	*81 - 120*				

LCS Sample ID: **VLCSW-240930** Units: **ug/L** Analysis Date: **30-Sep-2024 09:40**
Client ID: Run ID: **VOA9_478592** SeqNo: **8282307** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.92	1.0	20	0	99.6	74 - 120				
Ethylbenzene	19.48	1.0	20	0	97.4	77 - 117				
m,p-Xylene	38.52	2.0	40	0	96.3	77 - 122				
o-Xylene	19.65	1.0	20	0	98.3	75 - 119				
Toluene	19.65	1.0	20	0	98.2	77 - 118				
Xylenes, Total	58.17	3.0	60	0	97.0	75 - 122				
Surr: 1,2-Dichloroethane-d4	*50.13*	*1.0*	*50*	*0*	*100*	*70 - 123*				
Surr: 4-Bromofluorobenzene	*49.28*	*1.0*	*50*	*0*	*98.6*	*77 - 113*				
Surr: Dibromofluoromethane	*52.8*	*1.0*	*50*	*0*	*106*	*73 - 126*				
Surr: Toluene-d8	*50.58*	*1.0*	*50*	*0*	*101*	*81 - 120*				

ALS Houston, US Date: 01-Oct-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24091549

QC BATCH REPORT

Batch ID: R478592 (0) **Instrument: VOA9** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-240930** Units: **ug/L** Analysis Date: **30-Sep-2024 10:01**
Client ID: Run ID: **VOA9_478592** SeqNo: **8282308** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Benzene	18.75	1.0	20	0	93.7	74 - 120	19.92	6.06	20	
Ethylbenzene	18.3	1.0	20	0	91.5	77 - 117	19.48	6.21	20	
m,p-Xylene	37.57	2.0	40	0	93.9	77 - 122	38.52	2.49	20	
o-Xylene	18.99	1.0	20	0	94.9	75 - 119	19.65	3.44	20	
Toluene	18.64	1.0	20	0	93.2	77 - 118	19.65	5.3	20	
Xylenes, Total	56.56	3.0	60	0	94.3	75 - 122	58.17	2.81	20	
Surr: 1,2-Dichloroethane-d4	*51.38*	*1.0*	*50*	*0*	*103*	*70 - 123*	*50.13*	*2.47*	*20*	
Surr: 4-Bromofluorobenzene	*48.93*	*1.0*	*50*	*0*	*97.9*	*77 - 113*	*49.28*	*0.701*	*20*	
Surr: Dibromofluoromethane	*53.38*	*1.0*	*50*	*0*	*107*	*73 - 126*	*52.8*	*1.1*	*20*	
Surr: Toluene-d8	*51.13*	*1.0*	*50*	*0*	*102*	*81 - 120*	*50.58*	*1.08*	*20*	

The following samples were analyzed in this batch: HS24091549-01 HS24091549-02 HS24091549-03 HS24091549-04 HS24091549-05 HS24091549-06

ALS Houston, US Date: 01-Oct-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: **HS24091549**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

ALS Houston, US Date: 01-Oct-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US Date: 01-Oct-24

Sample Receipt Checklist

Work Order ID: HS24091549 **Date/Time Received:** 30-Sep-2024 09:20

Client Name: ENTECH **Received by:** Ruben Estrada-Jr

Completed By: /S/ Travis Appling (eSignature) 30-Sep-2024 11:23 (Date/Time) **Reviewed by:** /S/ Alexis Dorenbosch (eSignature) 30-Sep-2024 14:53 (Date/Time)

Matrices: W Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:321174
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	1.8UC/ 1.8C	IR34
Cooler(s)/Kit(s):	52620	
Date/Time sample(s) sent to storage:	09/30/2024 11:25	

Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes: Received Trip Blank not on COC. Placed on hold.

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 321174

HS24091549

Entech Consulting Corp.
Vac to Jal 5-Plains

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	SRS 2003-00134	Project Name	Vac to Jal 5-Plains	A	8260_LL_W (BETX)
Work Order		Project Number		B	
Company Name	Entech Consulting Corp.	Bill To Company	Plains All American Pipeline, LP	C	
Send Report To	Chan Patel	Invoice Attn	ENV-00 Accounts Payable	D	
Address	21 Waterway Avenue Suite 300	Address	c/o ENV-00, Accounts Payable P.O. Box 4648	E F	
City/State/Zip	The Woodlands, TX 77380	City/State/Zip	Houston TX 77210-4648	G	
Phone	(713) 201-5704	Phone	(713) 646-4610	H	
Fax	(281) 362-2704	Fax	(713) 646-4193	I	
e-Mail Address	chan.patel@entechservice.com	e-Mail Address	APCustomerService@plains.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW 3	9-27-24	930	W		3	X										
2	MW 6		1030														
3	RW 1		945														
4	RW 3		1015														
5	RW 7		1000														
6	Dup-01	—	—		—	3											
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Greg Flores Greg Flores

Shipment Method: FEDEX

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes: Vac to Jal #5-Plains
Greg Flores	9-27-24	2:30		
Relinquished by:	Date:	Time:	Received by (Laboratory):	
		1720		
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.
52620	1.8

CC Package: (Check One Box Below)
☐ Level II Std QC ☒ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

IR34

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

ALS
1450 Stancliff Rd., Suite 210
Houston, Texas 77099
TEL +1 281 530 5656
FAX +1 281 530 5887

CUSTODY SEAL

Date: 9-27-24 Time: 2:30
Name: GREG Flores
Company: ENTECH

Seal Broken By: TA
Date: 09/30

Must Deliver:

Time and Tempature Sensitive!

ALS

ORIGIN ID:SGRA (713) 201-5704
GREG FLORES
ENTECH
3 AMHURST COURT

MIDLAND, TX 79705
UNITED STATES US

SHIP DATE: 04SEP24
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3808
DIMS: 19x16x13 IN

TO SAMPLE RECEIVING
ALS GROUP USA,CORP
10450 STANCLIFF ROAD
SUITE 210
HOUSTON TX 77099
(281) 530-5656
REF: VAC TO JAL - 5 PLAIN = BO 103049 - AN

RMA:

FedEx Express

FedEx
TRK# 0221 7386 7925 9684

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO SGRA

77099
TX-US IAH

#2026464 09/27 5BCJ2/4EF9/C6C4

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

December 11, 2024

Chan Patel
Entech Consulting Corp.
21 Waterway Avenue
Suite 300
The Woodlands, TX 77380

Work Order: **HS24120423**

Laboratory Results for: **Vac to Jal 5-Plains**

Dear Chan Patel,

ALS Environmental received 15 sample(s) on Dec 06, 2024 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Andy C. Neir

ALS Houston, US Date: 11-Dec-24

Client:	Entech Consulting Corp.	**TRRP Laboratory Data Package Cover Page**
Project:	Vac to Jal 5-Plains	
WorkOrder:	**HS24120423**	

This data package consists of all or some of the following as applicable:

This signature page, the laboratory review checklist, and the following reportable data:

R1 Field chain-of-custody documentation;

R2 Sample identification cross-reference;

R3 Test reports (analytical data sheets) for each environmental sample that includes:

a) Items consistent with NELAC Chapter 5,
b) dilution factors,
c) preparation methods,
d) cleanup methods, and
e) if required for the project, tentatively identified compounds (TICs).

R4 Surrogate recovery data including:

a) Calculated recovery (%R), and
b) The laboratory's surrogate QC limits.

R5 Test reports/summary forms for blank samples;

R6 Test reports/summary forms for laboratory control samples (LCSs) including:

a) LCS spiking amounts,
b) Calculated %R for each analyte, and
c)The laboratory's LCS QC limits.

R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:

a) Samples associated with the MS/MSD clearly identified,
b) MS/MSD spiking amounts,
c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
d) Calculated %Rs and relative percent differences (RPDs), and
e) The laboratory's MS/MSD QC limits.

R8 Laboratory analytical duplicate (if applicable) recovery and precision:

a) the amount of analyte measured in the duplicate,
b) the calculated RPD, and
c) the laboratory's QC limits for analytical duplicates.

R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.

R10 Other problems or anomalies.
The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

ALS Houston, US Date: 11-Dec-24

Client:	Entech Consulting Corp.
Project:	Vac to Jal 5-Plains
WorkOrder:	**HS24120423**

TRRP Laboratory Data Package Cover Page

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Andy C. Neir

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 12/11/2024					
Project Name: Vac to Jal 5-Plains			Laboratory Job Number: HS24120423					
Reviewer Name: Andy Neir			Prep Batch Number(s): R502010					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
R1	OI	**Chain-of-custody (C-O-C)**						
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X					
		Were all departures from standard conditions described in an exception report?	X					
R2	OI	**Sample and quality control (QC) identification**						
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X					
R3	OI	**Test reports**						
		Were all samples prepared and analyzed within holding times?	X					
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X					
		Were calculations checked by a peer or supervisor?	X					
		Were all analyte identifications checked by a peer or supervisor?	X					
		Were sample detection limits reported for all analytes not detected?	X					
		Were all results for soil and sediment samples reported on a dry weight basis?			X			
		Were % moisture (or solids) reported for all soil and sediment samples?			X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X			
		If required for the project, TICs reported?			X			
R4	O	**Surrogate recovery data**						
		Were surrogates added prior to extraction?	X					
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X					
R5	OI	**Test reports/summary forms for blank samples**						
		Were appropriate type(s) of blanks analyzed?	X					
		Were blanks analyzed at the appropriate frequency?	X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X					
		Were blank concentrations < MQL?	X					
R6	OI	**Laboratory control samples (LCS):**						
		Were all COCs included in the LCS?	X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X					
		Were LCSs analyzed at the required frequency?	X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X					
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X					
		Was the LCSD RPD within QC limits?	X					
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**						
		Were the project/method specified analytes included in the MS and MSD?			X			
		Were MS/MSD analyzed at the appropriate frequency?		X			1	
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X			
		Were MS/MSD RPDs within laboratory QC limits?			X			
R8	OI	**Analytical duplicate data**						
		Were appropriate analytical duplicates analyzed for each matrix?			X			
		Were analytical duplicates analyzed at the appropriate frequency?			X			
		Were RPDs or relative standard deviations within the laboratory QC limits?			X			
R9	OI	**Method quantitation limits (MQLs):**						
		Are the MQLs for each method analyte included in the laboratory data package?	X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X					
R10	OI	**Other problems/anomalies**						
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X					
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Laboratory Review Checklist: Supporting Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 12/11/2024					
Project Name: Vac to Jal 5-Plains			Laboratory Job Number: HS24120423					
Reviewer Name: Andy Neir			Prep Batch Number(s): R502010					
#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]	
S1	OI	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?	X					
		Were percent RSDs or correlation coefficient criteria met?	X					
		Was the number of standards recommended in the method used for all analytes?	X					
		Were all points generated between the lowest and highest standard used to calculate the curve?	X					
		Are ICAL data available for all instruments used?	X					
		Has the initial calibration curve been verified using an appropriate second source standard?	X					
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**						
		Was the CCV analyzed at the method-required frequency?	X					
		Were percent differences for each analyte within the method-required QC limits?	X					
		Was the ICAL curve verified for each analyte?	X					
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X			
S3	O	**Mass spectral tuning:**						
		Was the appropriate compound for the method used for tuning?	X					
		Were ion abundance data within the method-required QC limits?	X					
S4	O	**Internal standards (IS):**						
		Were IS area counts and retention times within the method-required QC limits?	X					
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X					
		Were data associated with manual integrations flagged on the raw data?	X					
S6	O	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?			X			
S7	O	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X			
S8	I	**Interference Check Sample (ICS) results:**						
		Were percent recoveries within method QC limits?			X			
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X			
S10	OI	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?	X					
		Is the MDL either adjusted or supported by the analysis of DCSs?	X					
S11	OI	**Proficiency test reports:**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X					
S12	OI	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X					
S13	OI	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?	X					
S14	OI	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X					
		Is documentation of the analyst's competency up-to-date and on file?	X					
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)						
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X					
S16	OI	**Laboratory standard operating procedures (SOPs):**						
		Are laboratory SOPs current and on file for each method performed?	X					

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports	
Laboratory Name: ALS Laboratory Group	LRC Date: 12/11/2024
Project Name: Vac to Jal 5-Plains	Laboratory Job Number: HS24120423
Reviewer Name: Andy Neir	Prep Batch Number(s): R502010

ER#[5]	Description
1	Batch R502010, Volatiles by method SW8260, Insufficient sample received to perform MS/MSD. An LCS/LCSD was performed as batch quality control.

Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Work Order: HS24120423

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24120423-01	MW 1	Water		05-Dec-2024 09:40	06-Dec-2024 09:30	☐
HS24120423-02	MW 2	Water		05-Dec-2024 10:10	06-Dec-2024 09:30	☐
HS24120423-03	MW 3	Water		05-Dec-2024 10:50	06-Dec-2024 09:30	☐
HS24120423-04	MW 4	Water		05-Dec-2024 10:40	06-Dec-2024 09:30	☐
HS24120423-05	MW 5	Water		05-Dec-2024 09:00	06-Dec-2024 09:30	☐
HS24120423-06	MW 6	Water		05-Dec-2024 09:50	06-Dec-2024 09:30	☐
HS24120423-07	MW 7	Water		05-Dec-2024 09:30	06-Dec-2024 09:30	☐
HS24120423-08	RW 1	Water		05-Dec-2024 12:00	06-Dec-2024 09:30	☐
HS24120423-09	RW 3	Water		05-Dec-2024 11:40	06-Dec-2024 09:30	☐
HS24120423-10	RW 4	Water		05-Dec-2024 10:40	06-Dec-2024 09:30	☐
HS24120423-11	RW 5	Water		05-Dec-2024 11:10	06-Dec-2024 09:30	☐
HS24120423-12	RW 6	Water		05-Dec-2024 11:20	06-Dec-2024 09:30	☐
HS24120423-13	RW 7	Water		05-Dec-2024 12:20	06-Dec-2024 09:30	☐
HS24120423-14	Dup -01	Water		05-Dec-2024 00:00	06-Dec-2024 09:30	☐
HS24120423-15	Trip Blank	Water	cg-091924-603	05-Dec-2024 00:00	06-Dec-2024 09:30	☑

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 1
Collection Date: 05-Dec-2024 09:40

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-01
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene	U		0.20	1.0	ug/L	1	10-Dec-2024 21:52
Ethylbenzene	U		0.30	1.0	ug/L	1	10-Dec-2024 21:52
m,p-Xylene	U		0.50	2.0	ug/L	1	10-Dec-2024 21:52
o-Xylene	U		0.30	1.0	ug/L	1	10-Dec-2024 21:52
Toluene	U		0.20	1.0	ug/L	1	10-Dec-2024 21:52
Xylenes, Total	U		0.30	3.0	ug/L	1	10-Dec-2024 21:52
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*10-Dec-2024 21:52*
Surr: 4-Bromofluorobenzene	*96.6*			*77-113*	*%REC*	*1*	*10-Dec-2024 21:52*
Surr: Dibromofluoromethane	*104*			*77-123*	*%REC*	*1*	*10-Dec-2024 21:52*
Surr: Toluene-d8	*98.8*			*82-127*	*%REC*	*1*	*10-Dec-2024 21:52*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 2
Collection Date: 05-Dec-2024 10:10

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-02
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene	U		0.20	1.0	ug/L	1	10-Dec-2024 22:13
Ethylbenzene	U		0.30	1.0	ug/L	1	10-Dec-2024 22:13
m,p-Xylene	U		0.50	2.0	ug/L	1	10-Dec-2024 22:13
o-Xylene	U		0.30	1.0	ug/L	1	10-Dec-2024 22:13
Toluene	U		0.20	1.0	ug/L	1	10-Dec-2024 22:13
Xylenes, Total	U		0.30	3.0	ug/L	1	10-Dec-2024 22:13
Surr: 1,2-Dichloroethane-d4	*101*			*70-126*	*%REC*	*1*	*10-Dec-2024 22:13*
Surr: 4-Bromofluorobenzene	*98.9*			*77-113*	*%REC*	*1*	*10-Dec-2024 22:13*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*10-Dec-2024 22:13*
Surr: Toluene-d8	*99.0*			*82-127*	*%REC*	*1*	*10-Dec-2024 22:13*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 3
Collection Date: 05-Dec-2024 10:50

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-03
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene	U		0.20	1.0	ug/L	1	10-Dec-2024 22:35
Ethylbenzene	U		0.30	1.0	ug/L	1	10-Dec-2024 22:35
m,p-Xylene	U		0.50	2.0	ug/L	1	10-Dec-2024 22:35
o-Xylene	U		0.30	1.0	ug/L	1	10-Dec-2024 22:35
Toluene	U		0.20	1.0	ug/L	1	10-Dec-2024 22:35
Xylenes, Total	U		0.30	3.0	ug/L	1	10-Dec-2024 22:35
Surr: 1,2-Dichloroethane-d4	*97.7*			*70-126*	*%REC*	*1*	*10-Dec-2024 22:35*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*10-Dec-2024 22:35*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*10-Dec-2024 22:35*
Surr: Toluene-d8	*95.2*			*82-127*	*%REC*	*1*	*10-Dec-2024 22:35*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 4
Collection Date: 05-Dec-2024 10:40

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-04
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene	U		0.20	1.0	ug/L	1	10-Dec-2024 22:56
Ethylbenzene	U		0.30	1.0	ug/L	1	10-Dec-2024 22:56
m,p-Xylene	U		0.50	2.0	ug/L	1	10-Dec-2024 22:56
o-Xylene	U		0.30	1.0	ug/L	1	10-Dec-2024 22:56
Toluene	U		0.20	1.0	ug/L	1	10-Dec-2024 22:56
Xylenes, Total	U		0.30	3.0	ug/L	1	10-Dec-2024 22:56
Surr: 1,2-Dichloroethane-d4	*101*			*70-126*	*%REC*	*1*	*10-Dec-2024 22:56*
Surr: 4-Bromofluorobenzene	*96.9*			*77-113*	*%REC*	*1*	*10-Dec-2024 22:56*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*10-Dec-2024 22:56*
Surr: Toluene-d8	*99.0*			*82-127*	*%REC*	*1*	*10-Dec-2024 22:56*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 5
Collection Date: 05-Dec-2024 09:00

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-05
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		**Method:SW8260**					Analyst: DP
Benzene		U	0.20	1.0	ug/L	1	10-Dec-2024 23:17
Ethylbenzene		U	0.30	1.0	ug/L	1	10-Dec-2024 23:17
m,p-Xylene		U	0.50	2.0	ug/L	1	10-Dec-2024 23:17
o-Xylene		U	0.30	1.0	ug/L	1	10-Dec-2024 23:17
Toluene		U	0.20	1.0	ug/L	1	10-Dec-2024 23:17
Xylenes, Total		U	0.30	3.0	ug/L	1	10-Dec-2024 23:17
Surr: 1,2-Dichloroethane-d4	*98.5*			*70-126*	*%REC*	*1*	*10-Dec-2024 23:17*
Surr: 4-Bromofluorobenzene	*97.3*			*77-113*	*%REC*	*1*	*10-Dec-2024 23:17*
Surr: Dibromofluoromethane	*100*			*77-123*	*%REC*	*1*	*10-Dec-2024 23:17*
Surr: Toluene-d8	*99.5*			*82-127*	*%REC*	*1*	*10-Dec-2024 23:17*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 6
Collection Date: 05-Dec-2024 09:50

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-06
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene	U		0.20	1.0	ug/L	1	10-Dec-2024 23:39
Ethylbenzene	U		0.30	1.0	ug/L	1	10-Dec-2024 23:39
m,p-Xylene	U		0.50	2.0	ug/L	1	10-Dec-2024 23:39
o-Xylene	U		0.30	1.0	ug/L	1	10-Dec-2024 23:39
Toluene	U		0.20	1.0	ug/L	1	10-Dec-2024 23:39
Xylenes, Total	U		0.30	3.0	ug/L	1	10-Dec-2024 23:39
Surr: 1,2-Dichloroethane-d4	*98.8*			*70-126*	*%REC*	*1*	*10-Dec-2024 23:39*
Surr: 4-Bromofluorobenzene	*100*			*77-113*	*%REC*	*1*	*10-Dec-2024 23:39*
Surr: Dibromofluoromethane	*98.6*			*77-123*	*%REC*	*1*	*10-Dec-2024 23:39*
Surr: Toluene-d8	*98.4*			*82-127*	*%REC*	*1*	*10-Dec-2024 23:39*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: MW 7
Collection Date: 05-Dec-2024 09:30

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-07
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene	U		0.20	1.0	ug/L	1	11-Dec-2024 00:00
Ethylbenzene	U		0.30	1.0	ug/L	1	11-Dec-2024 00:00
m,p-Xylene	U		0.50	2.0	ug/L	1	11-Dec-2024 00:00
o-Xylene	U		0.30	1.0	ug/L	1	11-Dec-2024 00:00
Toluene	U		0.20	1.0	ug/L	1	11-Dec-2024 00:00
Xylenes, Total	U		0.30	3.0	ug/L	1	11-Dec-2024 00:00
Surr: 1,2-Dichloroethane-d4	*101*			*70-126*	*%REC*	*1*	*11-Dec-2024 00:00*
Surr: 4-Bromofluorobenzene	*99.5*			*77-113*	*%REC*	*1*	*11-Dec-2024 00:00*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*11-Dec-2024 00:00*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*11-Dec-2024 00:00*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 1
Collection Date: 05-Dec-2024 12:00

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-08
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene	**0.77**	J	**0.20**	**1.0**	**ug/L**	1	11-Dec-2024 00:21
Ethylbenzene	U		0.30	1.0	ug/L	1	11-Dec-2024 00:21
m,p-Xylene	**5.8**		**0.50**	**2.0**	**ug/L**	1	11-Dec-2024 00:21
o-Xylene	**1.5**		**0.30**	**1.0**	**ug/L**	1	11-Dec-2024 00:21
Toluene	U		0.20	1.0	ug/L	1	11-Dec-2024 00:21
Xylenes, Total	**7.3**		**0.30**	**3.0**	**ug/L**	1	11-Dec-2024 00:21
Surr: 1,2-Dichloroethane-d4	*102*			*70-126*	*%REC*	*1*	*11-Dec-2024 00:21*
Surr: 4-Bromofluorobenzene	*98.0*			*77-113*	*%REC*	*1*	*11-Dec-2024 00:21*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*11-Dec-2024 00:21*
Surr: Toluene-d8	*102*			*82-127*	*%REC*	*1*	*11-Dec-2024 00:21*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 3
Collection Date: 05-Dec-2024 11:40

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-09
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene	U		0.20	1.0	ug/L	1	11-Dec-2024 00:43
Ethylbenzene	U		0.30	1.0	ug/L	1	11-Dec-2024 00:43
m,p-Xylene	**1.1**	J	**0.50**	**2.0**	**ug/L**	1	11-Dec-2024 00:43
o-Xylene	U		0.30	1.0	ug/L	1	11-Dec-2024 00:43
Toluene	U		0.20	1.0	ug/L	1	11-Dec-2024 00:43
Xylenes, Total	**1.1**	J	**0.30**	**3.0**	**ug/L**	1	11-Dec-2024 00:43
Surr: 1,2-Dichloroethane-d4	*97.1*			*70-126*	*%REC*	*1*	*11-Dec-2024 00:43*
Surr: 4-Bromofluorobenzene	*102*			*77-113*	*%REC*	*1*	*11-Dec-2024 00:43*
Surr: Dibromofluoromethane	*99.2*			*77-123*	*%REC*	*1*	*11-Dec-2024 00:43*
Surr: Toluene-d8	*93.7*			*82-127*	*%REC*	*1*	*11-Dec-2024 00:43*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 4
Collection Date: 05-Dec-2024 10:40

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-10
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene	U		0.20	1.0	ug/L	1	11-Dec-2024 01:04
Ethylbenzene	U		0.30	1.0	ug/L	1	11-Dec-2024 01:04
m,p-Xylene	U		0.50	2.0	ug/L	1	11-Dec-2024 01:04
o-Xylene	U		0.30	1.0	ug/L	1	11-Dec-2024 01:04
Toluene	U		0.20	1.0	ug/L	1	11-Dec-2024 01:04
Xylenes, Total	U		0.30	3.0	ug/L	1	11-Dec-2024 01:04
Surr: 1,2-Dichloroethane-d4	*98.8*			*70-126*	*%REC*	*1*	*11-Dec-2024 01:04*
Surr: 4-Bromofluorobenzene	*97.1*			*77-113*	*%REC*	*1*	*11-Dec-2024 01:04*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*11-Dec-2024 01:04*
Surr: Toluene-d8	*100*			*82-127*	*%REC*	*1*	*11-Dec-2024 01:04*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 5
Collection Date: 05-Dec-2024 11:10

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-11
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene	U		0.20	1.0	ug/L	1	11-Dec-2024 01:25
Ethylbenzene	U		0.30	1.0	ug/L	1	11-Dec-2024 01:25
m,p-Xylene	U		0.50	2.0	ug/L	1	11-Dec-2024 01:25
o-Xylene	U		0.30	1.0	ug/L	1	11-Dec-2024 01:25
Toluene	U		0.20	1.0	ug/L	1	11-Dec-2024 01:25
Xylenes, Total	U		0.30	3.0	ug/L	1	11-Dec-2024 01:25
Surr: 1,2-Dichloroethane-d4	*100*			*70-126*	*%REC*	*1*	*11-Dec-2024 01:25*
Surr: 4-Bromofluorobenzene	*98.4*			*77-113*	*%REC*	*1*	*11-Dec-2024 01:25*
Surr: Dibromofluoromethane	*101*			*77-123*	*%REC*	*1*	*11-Dec-2024 01:25*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*11-Dec-2024 01:25*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 6
Collection Date: 05-Dec-2024 11:20

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-12
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene		U	0.20	1.0	ug/L	1	11-Dec-2024 01:46
Ethylbenzene		U	0.30	1.0	ug/L	1	11-Dec-2024 01:46
m,p-Xylene		U	0.50	2.0	ug/L	1	11-Dec-2024 01:46
o-Xylene		U	0.30	1.0	ug/L	1	11-Dec-2024 01:46
Toluene		U	0.20	1.0	ug/L	1	11-Dec-2024 01:46
Xylenes, Total		U	0.30	3.0	ug/L	1	11-Dec-2024 01:46
Surr: 1,2-Dichloroethane-d4	*98.4*			*70-126*	*%REC*	*1*	*11-Dec-2024 01:46*
Surr: 4-Bromofluorobenzene	*97.8*			*77-113*	*%REC*	*1*	*11-Dec-2024 01:46*
Surr: Dibromofluoromethane	*99.7*			*77-123*	*%REC*	*1*	*11-Dec-2024 01:46*
Surr: Toluene-d8	*98.5*			*82-127*	*%REC*	*1*	*11-Dec-2024 01:46*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: RW 7
Collection Date: 05-Dec-2024 12:20

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-13
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene	**0.57**	J	**0.20**	**1.0**	**ug/L**	1	11-Dec-2024 02:08
Ethylbenzene	U		0.30	1.0	ug/L	1	11-Dec-2024 02:08
m,p-Xylene	U		0.50	2.0	ug/L	1	11-Dec-2024 02:08
o-Xylene	U		0.30	1.0	ug/L	1	11-Dec-2024 02:08
Toluene	U		0.20	1.0	ug/L	1	11-Dec-2024 02:08
Xylenes, Total	U		0.30	3.0	ug/L	1	11-Dec-2024 02:08
Surr: 1,2-Dichloroethane-d4	*100*			*70-126*	*%REC*	*1*	*11-Dec-2024 02:08*
Surr: 4-Bromofluorobenzene	*98.7*			*77-113*	*%REC*	*1*	*11-Dec-2024 02:08*
Surr: Dibromofluoromethane	*102*			*77-123*	*%REC*	*1*	*11-Dec-2024 02:08*
Surr: Toluene-d8	*99.5*			*82-127*	*%REC*	*1*	*11-Dec-2024 02:08*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
Sample ID: Dup -01
Collection Date: 05-Dec-2024 00:00

ANALYTICAL REPORT
WorkOrder:HS24120423
Lab ID:HS24120423-14
Matrix:Water

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C	**Method:SW8260**						Analyst: DP
Benzene	U		0.20	1.0	ug/L	1	11-Dec-2024 02:29
Ethylbenzene	U		0.30	1.0	ug/L	1	11-Dec-2024 02:29
m,p-Xylene	**1.6**	J	**0.50**	**2.0**	**ug/L**	1	11-Dec-2024 02:29
o-Xylene	U		0.30	1.0	ug/L	1	11-Dec-2024 02:29
Toluene	U		0.20	1.0	ug/L	1	11-Dec-2024 02:29
Xylenes, Total	**1.6**	J	**0.30**	**3.0**	**ug/L**	1	11-Dec-2024 02:29
Surr: 1,2-Dichloroethane-d4	*104*			*70-126*	*%REC*	*1*	*11-Dec-2024 02:29*
Surr: 4-Bromofluorobenzene	*99.7*			*77-113*	*%REC*	*1*	*11-Dec-2024 02:29*
Surr: Dibromofluoromethane	*105*			*77-123*	*%REC*	*1*	*11-Dec-2024 02:29*
Surr: Toluene-d8	*101*			*82-127*	*%REC*	*1*	*11-Dec-2024 02:29*

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24120423

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: R502010 (0)	**Test Name :** LOW LEVEL VOLATILES BY SW8260C				**Matrix:** Water	
HS24120423-01	MW 1	05 Dec 2024 09:40			10 Dec 2024 21:52	1
HS24120423-02	MW 2	05 Dec 2024 10:10			10 Dec 2024 22:13	1
HS24120423-03	MW 3	05 Dec 2024 10:50			10 Dec 2024 22:35	1
HS24120423-04	MW 4	05 Dec 2024 10:40			10 Dec 2024 22:56	1
HS24120423-05	MW 5	05 Dec 2024 09:00			10 Dec 2024 23:17	1
HS24120423-06	MW 6	05 Dec 2024 09:50			10 Dec 2024 23:39	1
HS24120423-07	MW 7	05 Dec 2024 09:30			11 Dec 2024 00:00	1
HS24120423-08	RW 1	05 Dec 2024 12:00			11 Dec 2024 00:21	1
HS24120423-09	RW 3	05 Dec 2024 11:40			11 Dec 2024 00:43	1
HS24120423-10	RW 4	05 Dec 2024 10:40			11 Dec 2024 01:04	1
HS24120423-11	RW 5	05 Dec 2024 11:10			11 Dec 2024 01:25	1
HS24120423-12	RW 6	05 Dec 2024 11:20			11 Dec 2024 01:46	1
HS24120423-13	RW 7	05 Dec 2024 12:20			11 Dec 2024 02:08	1
HS24120423-14	Dup -01	05 Dec 2024 00:00			11 Dec 2024 02:29	1

ALS Houston, US Date: 11-Dec-24

WorkOrder: HS24120423
InstrumentID: VOA6
Test Code: 8260_LL_W
Test Number: SW8260
Test Name: Low Level Volatiles by SW8260C

METHOD DETECTION / REPORTING LIMITS

Matrix: Aqueous **Units:** µg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Benzene	71-43-2	0.50	0.33	0.20	1.0
A	Ethylbenzene	100-41-4	0.50	0.77	0.30	1.0
A	m,p-Xylene	179601-23-1	1.0	1.6	0.50	2.0
A	o-Xylene	95-47-6	0.50	0.79	0.30	1.0
A	Toluene	108-88-3	0.50	0.82	0.20	1.0
A	Xylenes, Total	1330-20-7	1.5	2.4	0.30	3.0
S	1,2-Dichloroethane-d4	17060-07-0	0	0	0	1.0
S	4-Bromofluorobenzene	460-00-4	0	0	0	1.0
S	Dibromofluoromethane	1868-53-7	0	0	0	1.0
S	Toluene-d8	2037-26-5	0	0	0	1.0

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24120423

QC BATCH REPORT

Batch ID: R502010 (0) **Instrument: VOA6** **Method: LOW LEVEL VOLATILES BY SW8260C**

MBLK Sample ID: **VBLKW-241210** Units: **ug/L** Analysis Date: **10-Dec-2024 21:31**
Client ID: Run ID: **VOA6_502010** SeqNo: **8583852** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	U	1.0							
Ethylbenzene	U	1.0							
m,p-Xylene	U	2.0							
o-Xylene	U	1.0							
Toluene	U	1.0							
Xylenes, Total	U	3.0							
Surr: 1,2-Dichloroethane-d4	*48.36*	*1.0*	*50*	*0*	*96.7*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*49.58*	*1.0*	*50*	*0*	*99.2*	*77 - 113*			
Surr: Dibromofluoromethane	*50.11*	*1.0*	*50*	*0*	*100*	*73 - 126*			
Surr: Toluene-d8	*47.66*	*1.0*	*50*	*0*	*95.3*	*81 - 120*			

LCS Sample ID: **VLCSW-241210** Units: **ug/L** Analysis Date: **10-Dec-2024 20:27**
Client ID: Run ID: **VOA6_502010** SeqNo: **8583850** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	20.01	1.0	20	0	100	74 - 120			
Ethylbenzene	21.02	1.0	20	0	105	77 - 117			
m,p-Xylene	41.45	2.0	40	0	104	77 - 122			
o-Xylene	20.6	1.0	20	0	103	75 - 119			
Toluene	20.33	1.0	20	0	102	77 - 118			
Xylenes, Total	62.06	3.0	60	0	103	75 - 122			
Surr: 1,2-Dichloroethane-d4	*50.52*	*1.0*	*50*	*0*	*101*	*70 - 123*			
Surr: 4-Bromofluorobenzene	*49.11*	*1.0*	*50*	*0*	*98.2*	*77 - 113*			
Surr: Dibromofluoromethane	*49.76*	*1.0*	*50*	*0*	*99.5*	*73 - 126*			
Surr: Toluene-d8	*50.29*	*1.0*	*50*	*0*	*101*	*81 - 120*			

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: HS24120423

QC BATCH REPORT

Batch ID: R502010 (0) **Instrument: VOA6** **Method: LOW LEVEL VOLATILES BY SW8260C**

LCSD Sample ID: **VLCSDW-241210** Units: **ug/L** Analysis Date: **10-Dec-2024 20:48**
Client ID: Run ID: **VOA6_502010** SeqNo: **8583851** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Benzene	19.21	1.0	20	0	96.1	74 - 120	20.01	4.09	20	
Ethylbenzene	19.51	1.0	20	0	97.6	77 - 117	21.02	7.41	20	
m,p-Xylene	39.31	2.0	40	0	98.3	77 - 122	41.45	5.31	20	
o-Xylene	19.52	1.0	20	0	97.6	75 - 119	20.6	5.41	20	
Toluene	19.42	1.0	20	0	97.1	77 - 118	20.33	4.61	20	
Xylenes, Total	58.83	3.0	60	0	98.0	75 - 122	62.06	5.34	20	
Surr: 1,2-Dichloroethane-d4	*50.37*	*1.0*	*50*	*0*	*101*	*70 - 123*	*50.52*	*0.293*	*20*	
Surr: 4-Bromofluorobenzene	*49.02*	*1.0*	*50*	*0*	*98.0*	*77 - 113*	*49.11*	*0.177*	*20*	
Surr: Dibromofluoromethane	*51.06*	*1.0*	*50*	*0*	*102*	*73 - 126*	*49.76*	*2.59*	*20*	
Surr: Toluene-d8	*49.19*	*1.0*	*50*	*0*	*98.4*	*81 - 120*	*50.29*	*2.22*	*20*	

The following samples were analyzed in this batch:

HS24120423-01	HS24120423-02	HS24120423-03	HS24120423-04
HS24120423-05	HS24120423-06	HS24120423-07	HS24120423-08
HS24120423-09	HS24120423-10	HS24120423-11	HS24120423-12
HS24120423-13	HS24120423-14		

ALS Houston, US Date: 11-Dec-24

Client: Entech Consulting Corp.
Project: Vac to Jal 5-Plains
WorkOrder: **HS24120423**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

ALS Houston, US Date: 11-Dec-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US Date: 11-Dec-24

Sample Receipt Checklist

Work Order ID: HS24120423 **Date/Time Received:** 06-Dec-2024 09:30

Client Name: ENTECH **Received by:** Jacob Coronado

Completed By: /S/ Belinda Gomez (eSignature) 09-Dec-2024 14:48 (Date/Time) **Reviewed by:** /S/ Alexis Dorenbosch (eSignature) 09-Dec-2024 15:19 (Date/Time)

Matrices: w Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:325335,325336
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.9uc/1.9c	ir34	
Cooler(s)/Kit(s):	51472		
Date/Time sample(s) sent to storage:	12/9/24 1450		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes: Received TB not listed on coc

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 325335

ALS Project Manager:

Entech Consulting Corp.
Vac to Jal 5-Plains

Customer Information		Project Information			
Purchase Order	SRS 2003-00134	Project Name	Vac to Jal 5-Plains	A	8260_LL_W (BETX)
Work Order		Project Number		B	
Company Name	Entech Consulting Corp.	Bill To Company	Plains All American Pipeline, LP	C	
Send Report To	Chan Patel	Invoice Attn	ENV-00 Accounts Payable	D	
Address	21 Waterway Avenue Suite 300	Address	c/o ENV-00. Accounts Payable P.O. Box 4648	E F	
City/State/Zip	The Woodlands, TX 77380	City/State/Zip	Houston TX 77210-4648	G	
Phone	(713) 201-5704	Phone	(713) 646-4610	H	
Fax	(281) 362-2704	Fax	(713) 646-4199	I	
e-Mail Address	chan.patel@entechservice.com	e-Mail Address	APCustomerService@plains.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW 1	12-5-24	940	W	|	3	X										
2	MW 2	|	1010	|	|	|	|										
3	MW 3	|	1050	|	|	|	|										
4	MW 4	|	1040	|	|	|	|										
5	MW 5	|	900	|	|	|	|										
6	MW 6	|	950	|	|	|	|										
7	MW 7	|	930	|	|	|	|										
8	RW 1	|	1200	|	|	|	|										
9	RW 3	|	1140	|	|	|	|										
10	RW 4	|	1040	|	|	|	|										

Sampler(s) Please Print & Sign: Greg Flores [signature]

Shipment Method: FED-EX

Required Turnaround Time: (Check Box) ☐ Other ____ ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: [signature]	Date: 12-5-24	Time: 4:00	Received by:
Relinquished by:	Date: 12/6/24	Time: 0930	Received by (Laboratory): [signature]
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Vac to Jal #5-Plains

Cooler ID	Cooler Temp.
51472	LC 1.4

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

1R24

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 325336

Entech Consulting Corp.
Vac to Jal 5-Plains

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	SRS 2003-00134	Project Name	Vac to Jal 5-Plains	A	8260_LL_W (BETX)
Work Order		Project Number		B	Dup-01
Company Name	Entech Consulting Corp.	Bill To Company	Plains All American Pipeline, LP	C	
Send Report To	Chan Patel	Invoice Attn	ENV-00 Accounts Payable	D	
Address	21 Waterway Avenue Suite 300	Address	c/o ENV-00. Accounts Payable P.O. Box 4648	E F	
City/State/Zip	The Woodlands, TX 77380	City/State/Zip	Houston TX 77210-4648	G	
Phone	(713) 201-5704	Phone	(713) 646-4610	H	
Fax	(281) 362-2704	Fax	(713) 646-4199	I	
e-Mail Address	chan.patel@entechservice.com	e-Mail Address	APCustomerService@plains.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	RW 5	12-5-24	1110	W		3	X	X									
2	RW 6	"	1120	"		"	"										
3	RW 7	"	1220	"		"	"										
4	Dup-01	"	—	"		"	"	X									
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Greg Flores Greg Flores

Shipment Method: FED-EX

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Greg Flores	12-5-24	400	
Relinquished by:	Date:	Time:	Received By (Laboratory):
	12/6/24	0930	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Vac to Jal #5-Plains

Cooler ID	Cooler Temp.
51472	1.9

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

12/7/24

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.


STODY SEAL
Time:
Date:
Seal Broken By:
Date: 12-6-24
Name:
Company:
ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
ALS
ORIGIN ID:SGRA (713) 201-5704
GREG FLORES
ENTECH
3 AMHURST COURT
MIDLAND, TX 79705
UNITED STATES US
SHIP DATE: 02DEC24
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3855
DIMS: 26x14x14 IN
TO SAMPLE RECEIVING
ALS GROUP USA,CORP
10450 STANCLIFF ROAD
SUITE 210
HOUSTON TX 77099
(281) 530-5656
REF: VAC TO JAL 3/5 PLAINS=BO 104736/7-AN
RMA:
FedEx
Express
FedEx
TRK# 0221 7386 7929 5925
FRI - 06 DEC 12:00P
PRIORITY OVERNIGHT
AB SGRA
77099
TX-US IAH

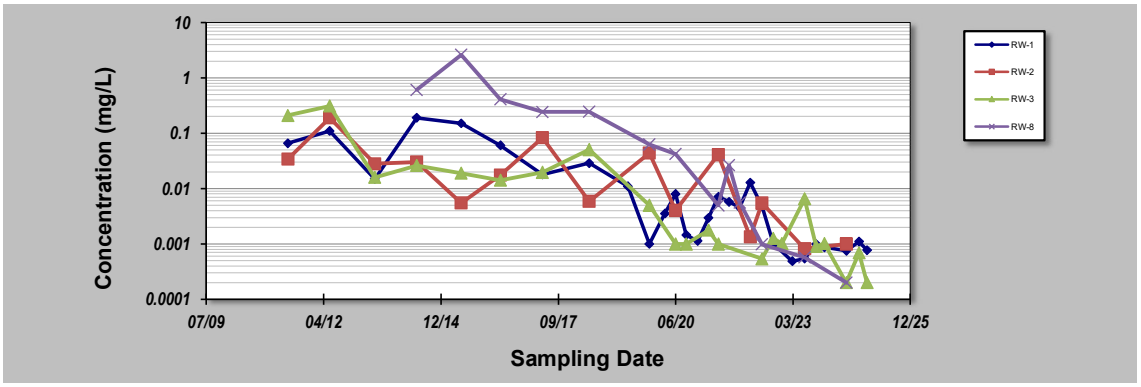
Appendix B

Mann-Kendall Trend Test

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	17-Dec-24	Job ID:	PAA12015
Facility Name:	Plains - Vac to Jal #5	Constituent:	Benzene
Conducted By:	WRG	Concentration Units:	mg/L

Sampling Point ID:	RW-1	RW-2	RW-3	RW-8			
Sampling Event	Sampling Date	BENZENE CONCENTRATION (mg/L)						
1	06/01/11	**0.0660**	**0.034**	**0.21**				
2	05/22/12	**0.1100**	**0.19**	**0.3100**				
3	06/11/13	**0.0150**	**0.028**	**0.0160**				
4	06/03/14	**0.1900**	**0.03**	**0.0260**	**0.61**			
5	06/16/15	**0.1500**	0.0055	**0.0190**	**2.6**			
6	05/17/16	**0.0606**	**0.0176**	**0.0142**	**0.41**			
7	05/09/17	**0.0180**	**0.0829**	**0.0196**	**0.243**			
8	06/12/18	**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	03/18/20	0.00355						
12	06/17/20	0.00794	0.00404	***0.0010***	**0.0424**			
13	09/16/20	0.00145		***0.0010***				
14	12/23/20	0.00113						
15	03/25/21	0.00296		0.00178				
16	06/17/21	0.00714	**0.0410**	***0.0010***	0.00498			
17	09/16/21	0.00577			**0.0265**			
18	12/16/21	0.00454			0.00562			
19	03/16/22	**0.0128**	0.00134					
20	06/23/22	0.00478	0.00546	0.000539	0.0010			
21	09/28/22	0.00103		0.00126				
22	12/09/22	0.000867		0.00101				
23	03/08/23	0.000485						
24	06/22/23	0.000542	0.00082	0.00654	0.000571			
25	09/29/23	***0.0010***		0.000906				
26	12/08/23	0.000867		0.00101				
27	03/21/24							
28	06/12/24	0.00075	0.001	0.0002	0.0002			
29	09/27/24	0.0011		0.00069				
30	12/05/24	0.00077		0.0002				
31								
32								
33								
34								
35								
Coefficient of Variation:		1.90	1.50	2.45	2.17			
Mann-Kendall Statistic (S):		-227	-55	-152	-70			
Confidence Factor:		>99.9%	99.7%	>99.9%	>99.9%			
Concentration Trend:		Decreasing	Decreasing	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)

Appendix C

2006 – 2024 Historical Well Survey Data and Groundwater Elevations

Appendix C
2006-2024 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

Appendix C
2006-2024 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	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	
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-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-1	03/15/22	3363.04	63.78	ND	49.63	ND	NA	NA	NA	3313.41	Sampled
MW-1	06/23/22	3363.04	63.78	ND	49.72	ND	NA	NA	NA	3313.32	Sampled
MW-1	09/28/22	3363.04	63.78	ND	49.90	ND	NA	NA	NA	3313.14	Sampled
MW-1	12/08/22	3363.04	63.78	ND	49.81	ND	NA	NA	NA	3313.23	Sampled
MW-1	03/07/23	3363.04	63.78	ND	49.70	ND	NA	NA	NA	3313.34	
MW-1	06/21/23	3363.04	63.78	ND	49.65	ND	NA	NA	7.00	3313.39	Sampled
MW-1	09/28/23	3363.04	63.78	ND	49.00	ND	NA	NA	7.00	3314.04	Sampled
MW-1	12/07/23	3363.04	63.78	ND	49.45	ND	NA	NA	7.00	3313.59	Sampled
MW-1	03/20/24	3363.04	63.78	ND	49.74	ND	NA	NA	NA	3313.30	
MW-1	06/11/24	3363.04	63.78	ND	49.75	ND	NA	NA	NA	3313.29	Sampled
MW-1	09/26/24	3363.04	63.78	ND	49.84	ND	NA	NA	NA	3313.20	
MW-1	12/04/24	3363.04	55.10	ND	49.91	ND	NA	NA	NA	3313.13	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

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 Historical Well Survey Data and Groundwater Elevations
Vacuum to Jal 14" Mainline #5
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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		
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
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-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-2	03/15/22	3362.11	64.10	ND	48.32	ND	NA	NA	NA	3313.79	Sampled
MW-2	06/23/22	3362.11	64.10	ND	48.40	ND	NA	NA	NA	3313.71	Sampled
MW-2	09/28/22	3362.11	64.10	ND	48.55	ND	NA	NA	NA	3313.56	Sampled
MW-2	12/08/22	3362.11	64.10	ND	48.52	ND	NA	NA	NA	3313.59	Sampled
MW-2	03/07/23	3362.11	64.10	ND	48.39	ND	NA	NA	NA	3313.72	
MW-2	06/21/23	3362.11	64.10	ND	48.32	ND	NA	NA	NA	3313.79	Sampled
MW-2	09/28/23	3362.11	64.10	ND	48.56	ND	NA	NA	NA	3313.55	Sampled
MW-2	12/07/23	3362.11	64.10	ND	48.48	ND	NA	NA	8.00	3313.63	Sampled
MW-2	03/20/24	3362.11	64.10	ND	48.42	ND	NA	NA	NA	3313.69	
MW-2	06/11/24	3362.11	64.10	ND	48.45	ND	NA	NA	NA	3313.66	Sampled
MW-2	09/26/24	3362.11	64.15	ND	48.51	ND	NA	NA	NA	3313.60	
MW-2	12/04/24	3362.11	64.19	ND	48.65	ND	NA	NA	NA	3313.46	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	

Appendix C
2006-2024 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	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
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	

Appendix C
2006-2024 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	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-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-3	03/15/22	3362.13	64.72	ND	47.85	ND	NA	NA	NA	3314.28	Sampled
MW-3	06/23/22	3362.13	64.72	ND	47.92	ND	NA	NA	NA	3314.21	Sampled
MW-3	09/28/22	3362.13	64.72	ND	48.09	ND	NA	NA	NA	3314.04	Sampled
MW-3	12/08/22	3362.13	64.72	ND	48.05	ND	NA	NA	NA	3314.08	Sampled
MW-3	03/07/23	3362.13	64.72	ND	47.91	ND	NA	NA	9.00	3314.22	Sampled
MW-3	06/21/23	3362.13	64.72	ND	47.85	ND	NA	NA	NA	3314.28	Sampled
MW-3	09/28/23	3362.13	64.72	ND	48.09	ND	NA	NA	NA	3314.04	Sampled
MW-3	12/07/23	3362.13	64.72	ND	48.15	ND	NA	NA	8.00	3313.98	Sampled
MW-3	03/20/24	3362.13	64.72	ND	47.95	ND	NA	NA	8.00	3314.18	Sampled
MW-3	06/11/24	3362.13	64.72	ND	47.96	ND	NA	NA	8.00	3314.17	Sampled
MW-3	09/26/24	3362.13	64.73	ND	49.35	ND	NA	NA	10.00	3312.78	Sampled
MW-3	12/04/24	3362.13	64.68	ND	48.15	ND	NA	NA	NA	3313.98	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	
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	

Appendix C
2006-2024 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	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	

Appendix C
2006-2024 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	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	
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-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-4	03/15/22	3362.49	63.48	ND	47.83	ND	NA	NA	NA	3314.66	Sampled
MW-4	06/23/22	3362.49	63.48	ND	47.90	ND	NA	NA	NA	3314.59	Sampled
MW-4	09/28/22	3362.49	63.48	ND	48.04	ND	NA	NA	NA	3314.45	Sampled
MW-4	12/08/22	3362.49	63.48	ND	48.02	ND	NA	NA	NA	3314.47	Sampled
MW-4	03/07/23	3362.49	63.48	ND	47.90	ND	NA	NA	NA	3314.59	
MW-4	06/21/23	3362.49	63.48	ND	47.82	ND	NA	NA	NA	3314.67	Sampled
MW-4	09/28/23	3362.49	63.48	ND	48.06	ND	NA	NA	NA	3314.43	Sampled
MW-4	12/07/23	3362.49	63.48	ND	48.10	ND	NA	NA	8.00	3314.39	Sampled
MW-4	03/20/24	3362.49	63.48	ND	47.92	ND	NA	NA	NA	3314.57	
MW-4	06/11/24	3362.49	63.48	ND	47.93	ND	NA	NA	7.00	3314.56	Sampled
MW-4	09/26/24	3362.49	64.50	ND	48.13	ND	NA	NA	NA	3314.36	
MW-4	12/04/24	3362.49	64.58	ND	48.18	ND	NA	NA	NA	3314.31	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	

Appendix C
2006-2024 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	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	
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

Appendix C
2006-2024 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	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-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-5	03/15/22	3363.67	63.81	ND	50.70	ND	NA	NA	NA	3312.97	Sampled
MW-5	06/23/22	3363.67	63.81	ND	50.82	ND	NA	NA	NA	3312.85	Sampled
MW-5	09/28/22	3363.67	63.81	ND	49.90	ND	NA	NA	NA	3313.77	Sampled
MW-5	12/08/22	3363.67	63.81	ND	50.88	ND	NA	NA	NA	3312.79	Sampled
MW-5	03/07/23	3363.67	63.81	ND	50.73	ND	NA	NA	NA	3312.94	
MW-5	06/21/23	3363.67	63.81	ND	50.70	ND	NA	NA	NA	3312.97	Sampled
MW-5	09/28/23	3363.67	63.81	ND	50.94	ND	NA	NA	NA	3312.73	Sampled
MW-5	12/07/23	3363.67	63.81	ND	50.82	ND	NA	NA	6.00	3312.85	Sampled
MW-5	03/20/24	3363.67	63.81	ND	50.77	ND	NA	NA	6.00	3312.90	Sampled
MW-5	06/11/24	3363.67	63.81	ND	50.80	ND	NA	NA	6.00	3312.87	Sampled
MW-5	09/26/24	3363.67	63.80	ND	50.92	ND	NA	NA	NA	3312.75	
MW-5	12/04/24	3363.67	63.80	ND	51.03	ND	NA	NA	NA	3312.64	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	
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	

Appendix C
2006-2024 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	11/18/09	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
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-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-6	03/15/22	3362.6	63.50	ND	49.48	ND	NA	NA	NA	3313.12	Sampled
MW-6	06/23/22	3362.6	63.50	ND	49.55	ND	NA	NA	NA	3313.05	Sampled
MW-6	09/28/22	3362.6	63.50	ND	49.68	ND	NA	NA	NA	3312.92	Sampled
MW-6	12/08/22	3362.6	63.50	ND	49.63	ND	NA	NA	NA	3312.97	Sampled

Appendix C
2006-2024 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	03/07/23	3362.60	63.50	ND	49.52	ND	NA	NA	7.00	3313.08	Sampled
MW-6	06/21/23	3362.60	63.50	ND	49.45	ND	NA	NA	NA	3313.15	Sampled
MW-6	09/28/23	3362.60	63.50	ND	49.70	ND	NA	NA	NA	3312.90	Sampled
MW-6	12/07/23	3362.60	63.50	ND	49.81	ND	NA	NA	6.00	3312.79	Sampled
MW-6	03/20/24	3362.60	63.50	ND	49.52	ND	NA	NA	6.00	3313.08	
MW-6	06/11/24	3362.60	63.50	ND	49.55	ND	NA	NA	7.00	3313.05	Sampled
MW-6	09/26/24	3362.60	63.50	ND	49.48	ND	NA	NA	10.00	3313.12	Sampled
MW-6	12/04/24	3362.60	63.52	ND	49.75	ND	NA	NA	NA	3312.85	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	
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

Appendix C
2006-2024 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	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
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
MW-7	03/15/22	3362.75	63.75	ND	49.70	ND	NA	NA	NA	3313.05	Sampled
MW-7	06/23/22	3362.75	63.75	ND	49.75	ND	NA	NA	NA	3313.00	Sampled
MW-7	09/28/22	3362.75	63.75	ND	49.95	ND	NA	NA	NA	3312.80	Sampled
MW-7	12/08/22	3362.75	63.75	ND	49.85	ND	NA	NA	NA	3312.90	Sampled
MW-7	12/08/22	3362.75	63.75	ND	49.85	ND	NA	NA	NA	3312.90	Sampled
MW-7	12/08/22	3362.75	63.75	ND	49.85	ND	NA	NA	NA	3312.90	Sampled
MW-7	03/07/23	3362.75	63.75	ND	49.72	ND	NA	NA	NA	3313.03	
MW-7	06/21/23	3362.75	63.75	ND	49.68	ND	NA	NA	NA	3313.07	Sampled
MW-7	09/28/23	3362.75	63.75	ND	49.90	ND	NA	NA	NA	3312.85	Sampled
MW-7	12/07/23	3362.75	63.75	ND	49.88	ND	NA	NA	7.00	3312.87	Sampled
MW-7	03/20/24	3362.75	63.75	ND	49.75	ND	NA	NA	NA	3313.00	
MW-7	06/11/24	3362.75	63.75	ND	49.80	ND	NA	NA	7.00	3312.95	Sampled
MW-7	09/26/24	3362.75	63.75	ND	49.61	ND	NA	NA	NA	3313.14	
MW-7	12/04/24	3362.75	63.62	ND	49.95	ND	NA	NA	NA	3312.80	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	

Appendix C
2006-2024 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	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	
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

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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-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
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 Sock
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

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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-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
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	

Appendix C
2006-2024 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	05/11/10	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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	05/09/12	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	
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	

Appendix C
2006-2024 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	07/30/13	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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	03/25/21	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	
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-1	01/05/22	3362.10	61.65	ND	48.45	ND	NA	ND	10.00	3313.65	
RW-1	01/13/22	3362.10	61.65	sheen	48.49	sheen	NA	Sheen	10.00	3313.61	
RW-1	02/18/22	3362.10	61.65	ND	48.39	ND	NA	Sheen	10.00	3313.71	
RW-1	03/11/22	3362.10	61.65	ND	48.29	ND	NA	Sheen	10.00	3313.81	
RW-1	03/15/22	3362.10	61.65	ND	48.33	ND	NA	Sheen	10.00	3313.77	
RW-1	03/22/22	3362.10	61.65	ND	48.31	ND	NA	Sheen	10.00	3313.79	
RW-1	04/01/22	3362.10	61.65	ND	48.34	ND	NA	Sheen	10.00	3313.76	
RW-1	04/08/22	3362.10	61.65	sheen	48.37	sheen	NA	Sheen	10.00	3313.73	
RW-1	04/21/22	3362.10	61.65	48.40	48.41	0.01	NA	Sheen	10.00	3313.70	
RW-1	05/05/22	3362.10	61.65	sheen	48.35	sheen	NA	Sheen	10.00	3313.75	
RW-1	06/23/22	3362.10	61.65	Sheen	48.40	Sheen	NA	Sheen	10.00	3313.70	
RW-1	06/30/22	3362.10	61.65	ND	48.42	ND	NA	Sheen	10.00	3313.68	
RW-1	07/27/22	3362.10	61.65	sheen	48.48	sheen	NA	Sheen	10.00	3313.62	
RW-1	08/18/22	3362.10	61.65	sheen	48.49	sheen	NA	Sheen	10.00	3313.61	
RW-1	09/21/22	3362.10	61.65	ND	48.55	ND	NA	Sheen	10.00	3313.55	
RW-1	09/28/22	3362.10	61.65	ND	48.60	ND	NA	Sheen	10.00	3313.50	
RW-1	10/07/22	3362.10	61.65	ND	48.60	ND	NA	Sheen	10.00	3313.50	
RW-1	12/08/22	3362.10	61.65	48.52	48.54	0.02	NA	NA	NA	3313.58	
RW-1	01/18/23	3362.10	61.65	48.49	48.50	0.01	NA	Sheen	10.00	3313.61	
RW-1	03/07/23	3362.10	61.65	ND	48.40	ND	NA	NA	25.00	3313.70	Sampled
RW-1	06/21/23	3362.10	61.65	48.29	48.30	0.01	NA	Sheen	10.00	3313.81	Sampled
RW-1	07/27/23	3362.10	61.65	48.32	48.35	0.03	NA	1.00	9.00	3313.78	
RW-1	08/31/23	3362.10	61.65	48.48	48.51	0.03	NA	NA	10.00	3313.62	
RW-1	09/22/23	3362.10	61.65	ND	48.55	ND	NA	NA	10.00	3313.55	
RW-1	09/28/23	3362.10	60.80	ND	48.59	ND	NA	NA	25.00	3313.51	Sampled
RW-1	11/01/23	3362.10	61.65	sheen	48.62	sheen	NA	Sheen	10.00	3313.48	
RW-1	11/21/23	3362.10	61.65	ND	48.58	ND	NA	NA	10.00	3313.52	
RW-1	12/07/23	3362.10	61.65	ND	48.63	ND	NA	NA	6.00	3313.47	Sampled
RW-1	12/20/23	3362.10	61.65	ND	48.62	ND	NA	NA	10.00	3313.48	
RW-1	01/31/24	3362.10	61.65	ND	48.65	ND	NA	NA	10.00	3313.45	
RW-1	02/14/24	3362.10	61.65	ND	48.58	ND	NA	NA	10.00	3313.52	
RW-1	03/05/24	3362.10	61.65	48.41	48.43	0.02	NA	1.00	9.00	3313.69	
RW-1	03/14/24	3362.10	61.65	48.36	48.37	0.01	NA	Sheen	10.00	3313.74	
RW-1	03/20/24	3362.10	60.80	48.43	48.45	0.02	NA	Sheen	20.00	3313.67	
RW-1	04/03/24	3362.10	60.80	ND	48.45	ND	NA	Sheen	10.00	3313.65	
RW-1	05/01/24	3362.10	60.80	sheen	48.41	sheen	NA	ND	8.00	3313.69	
RW-1	05/17/24	3362.10	60.80	sheen	48.38	sheen	NA	ND	8.00	3313.72	Sampled
RW-1	06/11/24	3362.10	60.80	ND	48.45	ND	NA	ND	20.00	3313.65	Sampled
RW-1	07/10/24	3362.10	60.78	sheen	48.54	sheen	NA	ND	9.00	3313.56	
RW-1	08/05/24	3362.10	60.78	ND	48.65	ND	NA	NA	NA	3313.45	
RW-1	08/09/24	3362.10	60.78	ND	48.38	ND	NA	ND	9.00	3313.72	
RW-1	09/26/24	3362.10	60.80	ND	48.78	ND	NA	ND	25.00	3313.32	Sampled
RW-1	10/10/24	3362.10	60.80	Sheen	48.54	Sheen	NA	ND	9.00	3313.56	
RW-1	12/04/24	3362.10	60.81	Sheen	48.65	Sheen	NA	0.00	0.00	3313.45	Sampled
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	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
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	03/18/09	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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	02/23/11	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	
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	

Appendix C
2006-2024 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	11/28/11	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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	03/22/16	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	
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	

Appendix C
2006-2024 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	11/09/17	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	
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	

Appendix C
2006-2024 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	08/11/19	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	
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-2	01/05/22	3362.00	63.40	48.60	48.68	0.08	NA	sheen	10.00	3313.39	
RW-2	01/13/22	3362.00	63.40	48.55	48.56	0.01	NA	sheen	10.00	3313.45	
RW-2	02/18/22	3362.00	63.40	sheen	48.57	sheen	NA	sheen	10.00	3313.43	
RW-2	03/11/22	3362.00	63.40	sheen	48.48	sheen	NA	NA	10.00	3313.52	
RW-2	03/15/22	3362.00	63.40	sheen	48.50	sheen	NA	sheen	10.00	3313.50	
RW-2	03/22/22	3362.00	63.40	sheen	48.50	sheen	NA	NA	10.00	3313.50	
RW-2	04/01/22	3362.00	63.40	sheen	48.52	sheen	NA	sheen	10.00	3313.48	
RW-2	04/08/22	3362.00	63.40	48.53	48.56	0.03	NA	sheen	10.00	3313.47	
RW-2	04/21/22	3362.00	63.40	48.58	48.60	0.02	NA	sheen	10.00	3313.42	
RW-2	05/05/22	3362.00	63.40	48.50	48.52	0.02	NA	sheen	10.00	3313.50	
RW-2	06/23/22	3362.00	63.40	48.56	48.58	0.02	NA	0.25	9.75	3313.44	
RW-2	06/30/22	3362.00	63.40	48.58	48.70	0.12	NA	sheen	10.00	3313.40	
RW-2	07/27/22	3362.00	63.40	48.58	48.71	0.13	NA	sheen	10.00	3313.40	
RW-2	08/18/22	3362.00	63.40	48.64	48.75	0.11	NA	sheen	10.00	3313.34	
RW-2	09/21/22	3362.00	63.40	48.70	49.01	0.31	NA	1.00	9.00	3313.25	
RW-2	09/28/22	3362.00	63.40	48.75	49.20	0.45	NA	0.25	9.75	3313.18	
RW-2	10/07/22	3362.00	63.40	sheen	48.78	sheen	NA	0.25	9.75	3313.22	
RW-2	12/08/22	3362.00	63.40	48.65	48.80	0.15	NA	0.25	9.75	3313.33	
RW-2	01/18/23	3362.00	63.40	48.63	48.75	0.12	NA	sheen	10.00	3313.35	
RW-2	03/07/23	3362.00	63.40	48.55	48.61	0.06	NA	NA	NA	3313.44	

Appendix C
2006-2024 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	06/21/23	3362.00	63.40	48.45	48.60	0.15	NA	0.25	9.75	3313.53	Sampled
RW-2	07/27/23	3362.00	63.40	48.48	48.56	0.08	NA	1.00	9.00	3313.51	
RW-2	08/31/23	3362.00	63.40	48.62	48.71	0.09	NA	2.00	13.00	3313.37	
RW-2	09/22/23	3362.00	63.40	49.69	49.73	0.04	NA	1.50	8.50	3312.30	
RW-2	09/28/23	3362.00	66.00	49.71	49.88	0.17	NA	1.50	8.50	3312.26	
RW-2	11/01/23	3362.00	66.00	49.73	49.90	0.17	NA	1.50	8.50	3312.24	
RW-2	11/21/23	3362.00	63.40	49.78	49.85	0.07	NA	1.00	9.00	3312.21	
RW-2	12/07/23	3362.00	63.40	49.67	49.78	0.11	NA	NA	NA	3312.31	
RW-2	12/20/23	3362.00	63.40	49.74	49.76	0.02	NA	NA	10.00	3312.26	
RW-2	01/31/24	3362.00	63.40	49.75	49.77	0.02	NA	NA	10.00	3312.25	
RW-2	02/14/24	3362.00	63.40	49.84	49.89	0.05	NA	0.25	9.75	3312.15	
RW-2	03/05/24	3362.00	63.40	48.55	49.13	0.58	NA	1.50	8.50	3313.36	
RW-2	03/14/24	3362.00	63.40	48.53	49.02	0.49	NA	1.50	8.50	3313.40	
RW-2	03/20/24	3362.00	66.00	48.58	49.50	0.92	NA	1.5	18.5	3313.28	
RW-2	04/03/24	3362.00	66.00	48.51	49.42	0.91	NA	1.5	8.5	3313.35	
RW-2	05/01/24	3362.00	66.00	48.51	48.95	0.44	NA	0.25	7.75	3313.42	
RW-2	05/17/24	3362.00	66.00	48.51	48.80	0.29	NA	0.5	7.5	3313.45	Sampled
RW-2	06/11/24	3362.00	66.00	48.60	49.20	0.60	NA	1.5	33.5	3313.31	Sampled
RW-2	07/10/24	3362.00	66.03	48.65	50.30	1.65	NA	2	7	3313.10	
RW-2	08/05/24	3362.00	66.03	47.75	48.69	0.94	NA	2	13	3314.11	
RW-2	08/09/24	3362.00	66.03	48.63	49.34	0.71	NA	2	7	3313.26	
RW-2	09/26/24	3362.00	66.03	47.81	48.53	0.72	NA	NA	NA	3314.08	
RW-2	10/10/24	3362.00	66.03	48.65	50.30	1.65	NA	2	7	3313.10	
RW-2	12/04/24	3362.00	66.03	48.71	48.94	0.23	NA	1.5	7.5	3313.26	
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	

Appendix C
2006-2024 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	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
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

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	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
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

Appendix C
2006-2024 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	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 Sock
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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	04/03/12	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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	04/15/15	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	
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	

Appendix C
2006-2024 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	10/11/16	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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
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Vacuum to Jal 14" Mainline #5
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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	10/23/19	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-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	
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-3	01/05/22	3361.93	63.80	sheen	49.14	sheen	NA	sheen	10.00	3312.79	
RW-3	01/13/22	3361.93	63.80	sheen	49.04	sheen	NA	sheen	10.00	3312.89	
RW-3	02/18/22	3361.93	63.80	49.05	49.10	0.05	NA	0.25	9.75	3312.87	
RW-3	03/11/22	3361.93	63.80	sheen	48.97	sheen	NA	sheen	10.00	3312.96	
RW-3	03/15/22	3361.93	63.80	49.02	49.08	0.06	NA	sheen	10.00	3312.90	
RW-3	03/22/22	3361.93	63.80	sheen	49.00	sheen	NA	sheen	10.00	3312.93	
RW-3	04/01/22	3361.93	63.80	sheen	48.96	sheen	NA	sheen	10.00	3312.97	
RW-3	04/08/22	3361.93	63.80	49.04	49.05	0.01	NA	sheen	10.00	3312.89	
RW-3	04/21/22	3361.93	63.80	sheen	49.10	sheen	NA	sheen	10.00	3312.83	
RW-3	05/05/22	3361.93	63.80	49.02	49.06	0.04	NA	0.25	9.75	3312.90	
RW-3	06/23/22	3361.93	63.80	49.08	49.11	0.03	NA	0.25	9.75	3312.85	
RW-3	06/30/22	3361.93	63.80	sheen	49.11	sheen	NA	sheen	10.00	3312.82	
RW-3	07/27/22	3361.93	63.80	sheen	49.10	sheen	NA	sheen	10.00	3312.83	
RW-3	08/18/22	3361.93	63.80	sheen	49.17	sheen	NA	sheen	10.00	3312.76	
RW-3	09/21/22	3361.93	63.80	49.22	49.25	0.03	NA	1.00	9.00	3312.71	
RW-3	09/28/22	3361.93	63.80	ND	49.30	ND	NA	ND	10.00	3312.63	
RW-3	10/07/22	3361.93	63.80	ND	49.30	ND	NA	ND	10.00	3312.63	
RW-3	12/08/22	3361.93	63.80	49.20	49.22	0.02	NA	0.25	9.75	3312.73	
RW-3	01/18/23	3361.93	63.80	49.16	49.17	0.01	NA	sheen	10.00	3312.77	
RW-3	03/07/23	3361.93	63.80	49.07	49.08	0.01	NA	NA	NA	3312.86	
RW-3	06/21/23	3361.93	63.80	48.88	49.00	0.12	NA	0.25	9.75	3313.03	Sampled
RW-3	07/27/23	3361.93	63.80	48.79	49.08	0.29	NA	1.00	9.00	3313.10	
RW-3	08/31/23	3361.93	63.80	49.15	49.29	0.14	NA	sheen	10.00	3312.76	
RW-3	09/22/23	3361.93	63.80	ND	49.29	ND	NA	ND	10.00	3312.64	
RW-3	09/28/23	3361.93	63.80	ND	49.26	ND	NA	NA	25.00	3312.67	Sampled
RW-3	11/01/23	3361.93	63.80	ND	49.30	ND	NA	NA	NA	3312.63	
RW-3	11/21/23	3361.93	63.80	ND	49.69	ND	NA	ND	10.00	3312.24	
RW-3	12/07/23	3361.93	63.80	ND	49.31	ND	NA	ND	28.00	3312.62	Sampled

Appendix C
2006-2024 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	12/20/23	3361.93	63.80	ND	49.32	ND	NA	ND	10.00	3312.61	
RW-3	01/31/24	3361.93	63.80	ND	49.36	ND	NA	ND	10.00	3312.57	
RW-3	02/14/24	3361.93	63.80	ND	49.43	ND	NA	ND	10.00	3312.50	
RW-3	03/05/24	3361.93	63.80	49.09	49.10	0.01	NA	ND	10.00	3312.84	
RW-3	03/14/24	3361.93	63.80	49.08	49.15	0.07	NA	sheen	10.00	3312.84	
RW-3	03/20/24	3361.93	63.71	49.08	49.11	0.03	NA	0.25	19.75	3312.85	
RW-3	04/03/24	3361.93	63.71	49.12	49.13	0.01	NA	ND	10.00	3312.81	
RW-3	05/01/24	3361.93	63.71	ND	49.05	ND	NA	ND	8.00	3312.88	
RW-3	05/17/24	3361.93	63.71	ND	49.05	ND	NA	0.75	7.25	3312.88	
RW-3	06/11/24	3361.93	63.71	ND	49.12	ND	NA	ND	30.00	3312.81	Sampled
RW-3	07/10/24	3361.93	63.70	sheen	49.18	sheen	NA	sheen	9.00	3312.75	
RW-3	08/05/24	3361.93	63.70	ND	49.50	ND	NA	ND	9.00	3312.43	
RW-3	08/09/24	3361.93	63.70	ND	48.84	ND	NA	ND	9.00	3313.09	
RW-3	09/26/24	3361.93	63.70	ND	49.30	ND	NA	ND	30.00	3312.63	Sampled
RW-3	10/10/24	3361.93	63.70	Sheen	49.18	Sheen	NA	ND	9.00	3312.75	
RW-3	12/04/24	3361.93	63.71	ND	49.30	ND	NA	NA	NA	3312.63	Sampled
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	
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

Appendix C
2006-2024 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	11/23/10	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
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-4	03/15/22	3363.22	63.65	ND	48.77	ND	NA	NA	NA	3314.45	Sampled
RW-4	06/23/22	3363.22	63.65	ND	48.60	ND	NA	NA	NA	3314.62	Sampled
RW-4	09/28/22	3363.22	63.65	ND	48.98	ND	NA	NA	NA	3314.24	Sampled
RW-4	12/08/22	3363.22	63.65	ND	48.95	ND	NA	NA	NA	3314.27	Sampled
RW-4	03/07/23	3363.22	63.65	ND	48.82	ND	NA	NA	NA	3314.40	
RW-4	06/21/23	3363.22	63.65	ND	48.75	ND	NA	NA	NA	3314.47	Sampled
RW-4	09/28/23	3363.22	63.65	ND	49.00	ND	NA	NA	NA	3314.22	Sampled
RW-4	12/07/23	3363.22	63.65	ND	49.09	ND	NA	NA	29.00	3314.13	Sampled
RW-4	03/20/24	3363.22	63.65	ND	48.85	ND	NA	NA	NA	3314.37	
RW-4	06/11/24	3363.22	63.65	ND	48.85	ND	NA	NA	30.00	3314.37	Sampled
RW-4	09/26/24	3363.22	63.65	ND	48.91	ND	NA	NA	NA	3314.31	
RW-4	12/04/24	3363.22	63.60	ND	49.05	ND	NA	NA	NA	3314.17	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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	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-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	03/15/22	3362.38	64.07	ND	48.42	ND	NA	NA	NA	3313.96	Sampled
RW-5	06/23/22	3362.38	64.07	ND	48.48	ND	NA	NA	NA	3313.90	Sampled
RW-5	12/16/21	3362.38	64.07	ND	48.45	ND	NA	NA	NA	3313.93	
RW-5	06/23/22	3362.38	64.07	ND	48.48	ND	NA	NA	NA	3313.90	
RW-5	09/28/22	3362.38	64.07	ND	48.63	ND	NA	NA	NA	3313.75	
RW-5	12/08/22	3362.38	64.07	ND	40.60	ND	NA	NA	NA	3321.78	Sampled
RW-5	03/07/23	3362.38	64.07	ND	48.46	ND	NA	NA	NA	3313.92	
RW-5	06/21/23	3362.38	64.07	ND	48.40	ND	NA	NA	NA	3313.98	Sampled
RW-5	09/28/23	3362.38	64.07	ND	48.65	ND	NA	NA	NA	3313.73	Sampled
RW-5	12/07/23	3362.38	64.07	ND	48.60	ND	NA	NA	30.00	3313.78	Sampled
RW-5	03/20/24	3362.38	64.07	ND	48.51	ND	NA	NA	NA	3313.87	
RW-5	06/11/24	3362.38	64.07	ND	48.50	ND	NA	NA	30.00	3313.88	Sampled
RW-5	09/26/24	3362.38	64.10	ND	48.47	ND	NA	NA	NA	3313.91	
RW-5	12/04/24	3362.38	64.13	ND	48.70	ND	NA	NA	NA	3313.68	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

Appendix C
2006-2024 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	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	
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

Appendix C
2006-2024 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	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-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-6	12/16/21	3363.11	64.27	ND	49.75	ND	NA	NA	NA	3313.36	Sampled
RW-6	03/15/22	3363.11	64.27	ND	49.70	ND	NA	NA	NA	3313.41	Sampled
RW-6	06/23/22	3363.11	64.27	ND	49.76	ND	NA	NA	NA	3313.35	Sampled
RW-6	09/28/22	3363.11	64.27	ND	49.46	ND	NA	NA	NA	3313.65	Sampled
RW-6	12/08/22	3363.11	64.27	ND	49.87	ND	NA	NA	NA	3313.24	Sampled
RW-6	03/07/23	3363.11	64.27	ND	49.74	ND	NA	NA	NA	3313.37	
RW-6	06/21/23	3363.11	64.27	ND	49.70	ND	NA	NA	NA	3313.41	Sampled
RW-6	09/28/23	3363.11	64.27	ND	49.95	ND	NA	NA	NA	3313.16	Sampled
RW-6	12/07/23	3363.11	64.27	ND	49.90	ND	NA	NA	28.00	3313.21	Sampled
RW-6	03/20/24	3363.11	64.27	ND	49.78	ND	NA	NA	NA	3313.33	Sampled
RW-6	06/11/24	3363.11	64.27	ND	49.80	ND	NA	NA	30.00	3313.31	Sampled
RW-6	09/26/24	3363.11	64.30	ND	49.71	ND	NA	NA	NA	3313.40	
RW-6	12/04/24	3363.11	64.21	ND	49.98	ND	NA	NA	NA	3313.13	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	
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

Appendix C
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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-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-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-7	12/16/21	3362.52	68.56	ND	48.41	ND	NA	NA	NA	3314.11	Sampled
RW-7	06/23/22	3362.52	68.56	ND	48.45	ND	NA	NA	NA	3314.07	Sampled
RW-7	09/28/22	3362.52	68.56	ND	48.62	ND	NA	NA	NA	3313.90	Sampled
RW-7	12/08/22	3362.52	68.56	ND	48.55	ND	NA	NA	NA	3313.97	Sampled
RW-7	03/07/23	3362.52	68.56	ND	48.41	ND	NA	NA	40.00	3314.11	Sampled
RW-7	06/21/23	3362.52	68.56	ND	48.35	ND	NA	NA	NA	3314.17	Sampled
RW-7	09/28/23	3362.52	68.56	ND	48.60	ND	NA	NA	NA	3313.92	Sampled
RW-7	12/07/23	3362.52	68.56	ND	48.58	ND	NA	NA	40.00	3313.94	Sampled
RW-7	03/20/24	3362.52	68.56	ND	48.46	ND	NA	NA	NA	3314.06	Sampled
RW-7	06/11/24	3362.52	68.56	ND	48.45	ND	NA	NA	40.00	3314.07	Sampled
RW-7	09/26/24	3362.52	68.50	ND	48.65	ND	NA	NA	NA	3313.87	
RW-7	12/04/24	3362.52	68.51	ND	48.65	ND	NA	NA	NA	3313.87	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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	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	
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	

Appendix C
2006-2024 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	05/24/19	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	
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	
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	
RW-8	01/05/22	3362.52	68.34	49.13	49.18	0.05	NA	0.25	9.75	3313.38	
RW-8	01/13/22	3362.52	68.34	49.04	49.05	0.01	NA	sheen	10.00	3313.48	
RW-8	02/18/22	3362.52	68.34	49.04	49.09	0.05	NA	0.25	9.75	3313.47	
RW-8	03/11/22	3362.52	68.34	sheen	49.02	sheen	NA	sheen	10.00	3313.50	
RW-8	03/15/22	3362.52	68.34	49.00	49.03	0.03	NA	sheen	10.00	3313.52	
RW-8	04/01/22	3362.52	68.34	sheen	48.98	sheen	NA	sheen	10.00	3313.54	
RW-8	03/22/22	3362.52	68.34	sheen	49.00	sheen	NA	sheen	10.00	3313.52	
RW-8	04/08/22	3362.52	68.34	49.04	49.28	0.24	NA	0.25	9.75	3313.44	
RW-8	04/21/22	3362.52	68.34	49.11	49.32	0.21	NA	sheen	10.00	3313.38	
RW-8	05/05/22	3362.52	68.34	49.02	49.20	0.18	NA	0.25	9.75	3313.47	
RW-8	06/23/22	3362.52	68.34	48.91	49.08	0.17	NA	sheen	10.00	3313.58	
RW-8	06/30/22	3362.52	68.34	49.08	49.16	0.08	NA	sheen	10.00	3313.43	

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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-8	07/27/22	3362.52	68.34	49.10	49.26	0.16	NA	sheen	10.00	3313.40	
RW-8	08/18/22	3362.52	68.34	49.15	49.48	0.33	NA	sheen	10.00	3313.32	
RW-8	09/21/22	3362.52	68.34	49.22	49.45	0.23	NA	0.25	9.75	3313.27	
RW-8	09/28/22	3362.52	68.34	49.22	49.28	0.06	NA	1.00	9.00	3313.29	
RW-8	10/07/22	3362.52	68.34	49.30	49.38	0.08	NA	1.00	9.00	3313.21	
RW-8	12/08/22	3362.52	68.34	49.16	49.21	0.05	NA	2.00	23.00	3313.35	
RW-8	01/18/23	3362.52	68.34	49.14	49.16	0.02	NA	sheen	10.00	3313.38	
RW-8	03/07/23	3362.52	68.34	49.04	49.05	0.01	NA	NA	NA	3313.48	
RW-8	06/21/23	3362.52	68.34	48.95	49.25	0.30	NA	2.00	23.00	3313.53	Sampled
RW-8	07/27/23	3362.52	68.34	48.92	49.24	0.32	NA	1.00	9.00	3313.55	
RW-8	08/31/23	3362.52	68.34	49.15	49.26	0.11	NA	sheen	10.00	3313.35	
RW-8	09/22/23	3362.52	68.34	49.25	49.39	0.14	NA	1.00	10.00	3313.25	
RW-8	09/28/23	3362.52	68.34	49.23	49.40	0.17	NA	1.50	8.50	3313.26	
RW-8	11/01/23	3362.52	68.34	49.30	49.45	0.15	NA	2.00	8.00	3313.20	
RW-8	11/21/23	3362.52	68.34	49.28	49.51	0.23	NA	2.00	8.00	3313.21	
RW-8	12/07/23	3362.52	68.34	49.00	49.55	0.55	NA	NA	NA	3313.44	
RW-8	12/20/23	3362.52	68.34	49.25	49.38	0.13	NA	1.50	8.50	3313.25	
RW-8	01/31/24	3362.52	68.34	49.28	49.38	0.10	NA	2.00	8.00	3313.23	
RW-8	02/14/24	3362.52	68.34	49.31	49.44	0.13	NA	1.50	8.50	3313.19	
RW-8	03/05/24	3362.52	68.34	49.05	49.07	0.02	NA	0.00	10.00	3313.47	
RW-8	03/14/24	3362.52	68.34	49.02	49.04	0.02	NA	0.00	10.00	3313.50	
RW-8	03/20/24	3362.52	70.44	49.09	49.70	0.61	NA	1.50	18.50	3313.34	
RW-8	04/03/24	3362.52	70.44	48.89	49.57	0.68	NA	1.50	18.50	3313.53	
RW-8	05/01/24	3362.52	70.44	49.05	49.25	0.20	NA	0.75	7.00	3313.44	
RW-8	05/17/24	3362.52	70.44	49.00	49.15	0.15	NA	1.00	7.00	3313.50	
RW-8	06/11/24	3362.52	70.44	49.10	49.35	0.25	NA	1.00	40.00	3313.38	Sampled
RW-8	07/10/24	3362.52	70.44	49.16	50.45	1.29	NA	1.50	7.50	3313.17	
RW-8	08/05/24	3362.52	70.44	49.30	49.66	0.36	NA	1.50	7.50	3313.17	
RW-8	08/09/24	3362.52	70.44	49.23	49.32	0.09	NA	1.50	7.50	3313.28	
RW-8	09/26/24	3362.52	70.42	49.41	49.82	0.41	NA	NA	NA	3313.05	
RW-8	10/10/24	3362.52	70.42	49.16	50.45	1.29	NA	1.50	7.50	3313.17	
RW-8	12/04/24	3362.52	70.42	49.30	50.08	0.78	NA	1.00	8.00	3313.10	

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

Appendix D

Disposal Records

Superior Hydrovac Solutions, LLC.
P.O. Box 3730, Hobbs, NM 88241
ap@superiorhydrovac.com

Invoice No.

108962

Date

11/6/24

EnTech

PO # / WBS #

Location

HIGH HUGH GATHERING/ALMAKES

Item	Item	Service Date	Quantity	Rate	Total
	COMPANY REP: GREG FLORES FT 213544	7/24/24			
Vacuum Truck	Vacuum Truck		4.5	110.00	495.00T
3rd Party Inv.	3rd Party Inv. #699911		1	688.85	688.85T
3rd Party Inv.	3rd Party Inv. #699918		1	725.65	725.65T
Technician	Additional technician used in field. Gildardo		4.5	35.00	157.50T
	Sales Tax			5.50%	113.69

P.O. Box 3730
Hobbs, NM 88241

Invoices are due net 30 days.

Total $2,180.69

Superior Hydrovac Solutions, LLC

PO Box 1645, Hobbs, NM 88241-1645
Office (575) 392-0434 • Fax (575) 392-1169
n.olivas@superiorhydrovac.com

Field Ticket

213544

Date of Service: 7/24/24

Company

Company Billed: Plains		Rep Phone #: 325-226 4783
Company Rep: greg flores/Emtech	Rep. Email	
Preferred Method of Contact: ☐ Phone ☐ Email ☐ Postal ☐ Other		State: ☑ NM ☐ TX ☐ Other
Invoice # 1089162		

PO # or WBS #:

Lease Name & No.: High Hugh gathering / Almakes Pipe lines

Number of Lines Uncovered: ☐ N/A or ☐ _____

LxWxD of Trenches Excavated: ☐ N/A or ☐ _____

Equipment or Area Cleaned Out: ☐ N/A or ☐ Tanks ☐ Cattle Guards ☐ Plant Maintenance ☐ Other _____

Material Excavated: ☐ Rock or ☐ Soil/Dirt ☐ Oil/Grease ☐ Sand ☐ Clay ☐ Water ☐ Other _____

Description of Equipment Used	Hours	Description of Equipment Used	Hours	Description of Equipment Used	Hours
☐ Hydrovac Unit # 6662 mack	4.5	☑ Operator on Site Name: Gildardo Ramos		☐ Materials	
☐ Water		☑ Technician on Site Name: Adolfo Velasco	4.5	☐ Bundle of Stakes	
☐ Hydroblasting Trailer Unit #10290		☐ Additional Technician Name:		☐ Flagging	
☐ Pressure Washer		☐ Per Diem/Per Man		☐ Nozzle	
☐ Pick-Up Truck Unit # _____		☐ Skid Steer		☐ Hose	
☐ Dump Truck Unit # _____ Type:		☐ Hydroblasting Crew		☐ Disposal Ticket # _____	

NOTES: Clean out sump tanks take to disposal, load tanks to trailer

COMPANY REP: _____ Signature _____ Print _____ Date

SUPERIOR PRINTING SERVICE, INC.

SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231
Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 699911 213100

LEASE OPERATOR/SHIPPER/COMPANY: Plains	DATE: 7-24-24
LEASE NAME: Almales Pipe lines	TIME: 12:38 AM/PM
RIG NAME & NUMBER:	VEHICLE NO: 6612
TRANSPORTER COMPANY: SHS	PHONE:
GENERATOR COMPANY MAN'S NAME: Jose Morales	PHONE: 575-399-0434
CHARGE TO: Superior Hydrovac Solutions	

TYPE OF MATERIAL

[ ] Tank Bottoms [ ] Drilling Fluids [ ] Rinsate [ ] BS&W Content:
[/] Solids [/] Contaminated Soil [ ] Jet Out Trash
Description: OD @175.00

VOLUME OF MATERIAL

[ ] BBLS 5 @8 = 40.00 : [/] YARD 12 @32 = 384.00 : [ ] _____

RRC or API # C-133# NM

STICKERS, CODES, NUMBERS, ETC.

384.00
175.00
40.00
599.00
15% = 89.85
688.85

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY *that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.*

DRIVER: _____ (SIGNATURE)

FACILITY REPRESENTATIVE: Mia E. (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c

SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231
Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 699918
213100

LEASE OPERATOR/SHIPPER/COMPANY: Plains	DATE: 7-24-24
LEASE NAME: Almaales Pipe lines	TIME: 1832 AM/PM
RIG NAME & NUMBER:	VEHICLE NO: 6612
TRANSPORTER COMPANY: SHS	PHONE:
GENERATOR COMPANY MAN'S NAME: Jose Morales	PHONE: 575-392-0434
CHARGE TO: Superior Hydrovac Solutions	

TYPE OF MATERIAL

[ ] Tank Bottoms [ ] Drilling Fluids [ ] Rinsate [ ] BS&W Content:
[ ] Solids [X] Contaminated Soil ~~[ ] Jet Out~~ Wash
Description: OD @175

VOLUME OF MATERIAL

[ ] BBLS. 5 @8 = 40 : [ ] YARD 13 @32 = 414 : [ ] _____

RRC or API # C-133# NM

STICKERS, CODES, NUMBERS, ETC.

414.00
40.00
175.00
631.00
94.65
725.65

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: _____ (SIGNATURE)

FACILITY REPRESENTATIVE: Mia E. (SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c

SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231
Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 699911 213100

LEASE OPERATOR/SHIPPER/COMPANY: Plains	DATE: 7-24-24
LEASE NAME: Almales Pipe lines	TIME: 1233 AM/PM
RIG NAME & NUMBER:	VEHICLE NO: 6612
TRANSPORTER COMPANY: SHS	PHONE:
GENERATOR COMPANY MAN'S NAME: Jose Morales	PHONE: 575-319-0134

CHARGE TO: Superior Hydrovac Solutions

TYPE OF MATERIAL

[ ] Tank Bottoms [ ] Drilling Fluids [ ] Rinsate [ ] BS&W Content:
[✓] Solids [✓] Contaminated Soil [ ] Jet Out Wash

Description: 3D

VOLUME OF MATERIAL [✓] BBLS. 5 : [✓] YARD 12 : [ ] ______

RRC or API # **C-133#** NM

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: Mia E.
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c

SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231
Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 699918

LEASE OPERATOR/SHIPPER/COMPANY: Plains	DATE: 7-24-24
LEASE NAME: Almalles Pipe lines	TIME: 1330 AM/PM
RIG NAME & NUMBER:	VEHICLE NO: CC17
TRANSPORTER COMPANY: SHS	PHONE:
GENERATOR COMPANY MAN'S NAME: Mike Whirles	PHONE: 575 392 041

CHARGE TO: Superior Hydrovac Solutions

TYPE OF MATERIAL

[ ] Tank Bottoms [ ] Drilling Fluids [ ] Rinsate [ ] BS&W Content:
[✓] Solids [✓] Contaminated Soil [–] Jet-Out Wash

Description: SD

VOLUME OF MATERIAL

[✓] BBLS. 15 : [✓] YARD 13 : [ ]

RRC or API # C-133# NM

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: ______________________
(SIGNATURE)

FACILITY REPRESENTATIVE: Mia E.
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 466318
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
jburdine	Review of the 2024 Annual Groundwater Monitoring Report for Vacuum to Jal 14" Mainline #5: approved. 1. Plains has continued to remove LNAPL/PSH on a monthly basis from recovery wells: RW-1 through RW-3, RW-8 if present. 2. Continue to sample on a semi-annual basis for MW-1, MW-2, MW-4, MW-6, MW-7, RW-5, RW-6. 3. Conduct quarterly sampling of monitoring wells MW-3, MW-5, and RW 1, RW-2, RW-3, and RW-8, if there is no measurable PSH. PAHs may be discontinued for sampling after 2 consecutive years--eight (8) quarters total for ND results or substantially below the WQCC human health standards. 4. A separate closure report must be submitted under the UF-GWA type of the online portal when all requirements of remediation closure are met. 5. Submit the 2025 annual report to OCD by June 4, 2026.	7/23/2025