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TALON LPE

2024 Annual Groundwater Monitoring Report

8” Moore to Jal #1
Lea County, New Mexico
SRS # 2002-10270
NMOCD REF. # AP-91, nAPP2109526205

Prepared For:
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408 W. Texas Ave.
Artesia, New Mexico 88210

August 5, 2025

2024 ANNUAL GROUNDWATER MONITORING REPORT

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August 5, 2025

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NMOCD – New Mexico Oil Conservation Division

NMSLO – New Mexico State Land Office

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APPENDICES

1. INTRODUCTION AND SITE HISTORY

The 8” Moore to Jal #1 release site is located approximately 9.2 miles southeast of Lovington, New Mexico in Unit F, Section 16, Township 17 South, and Range 37 East. The site is located within the West Lovington Oil Field on land owned by the State of New Mexico. No residence and/or surface water features are located within a 1,000-foot radius of the site.

The site is situated in an area on the extreme southwestern portion of the Southern High Plains as it grades into the Edwards Plateau to the south and southeast and the Chihuahuan Desert of the Trans-Pecos Region to the southwest.

The topography proximal to the site is typical of the Southern High Plains, essentially flat with shallow depressions, or playa lakes, dotting the landscape. The prominent surface features on the Southern High Plains are the approximately 19,250 ephemeral playa lakes; however, the density of the playa lakes diminishes toward the southern extent of the Southern High Plains. During periods of rainfall, the playas accumulate sheet runoff from watershed areas ranging in size from less than one square mile to several square miles. Only a small portion of drainage from rainfall occurs by streams. Playa lakes that collect storm water runoff can act as a recharge mechanism for groundwater.

The average elevation of the site and surrounding area is approximately 3,770 feet above mean sea level with a slight slope to the southeast. The regional slope of the land surface in the Southern High Plains is approximately 100 feet per mile in a southeasterly direction.

During October 2002, a release of approximately 200 barrels (bbls) of crude oil occurred from a Plains Pipeline, L.P. (Plains) pipeline at the site. Approximately 8,000 square feet of surface area was impacted by the release. Soil excavation and over-excavation activities were initiated in October 2002 and that activity is documented in the “Soil Over-Excavation Report and Backfill Workplan," dated May 23, 2006.

Talon/LPE has been retained by Plains to conduct quarterly groundwater monitoring activities and operation and maintenance of the phase-separated hydrocarbon (PSH) recovery system.

1.1 Site Geology

The surface deposits in Lea County are composed of Blackwater Draw (Illinoian) sediments, Ogallala sediments and undivided Quaternary alluvium, which is also termed ‘cover sands'. The soil in the upper two (2) feet at the site is composed of gravelly

loam that consists of sand, clay, silt and abundant, eroded, gravel to cobble size caliche fragments. Below the topsoil is predominately unconsolidated sand to weakly cemented sandstone which has undergone calcification of varying extent.

Below the Blackwater Draw Formation is the Ogallala Formation of Miocene to Pliocene age. The Ogallala Formation was deposited from sediments eroded from the Southern Rockies and consists mostly of eolian sediments, silty to very fine sand, or loess. During the middle to late Miocene, the Ogallala was deposited by fluvial mechanism as paleo-valley fill composed of gravelly to sandy braided stream deposits that trended west to east across the Southern High Plains. During the late Miocene, the west to east drainage was diverted (captured) by the Pecos River. Subsequently, the Pecos River basin experienced deflation, which facilitated eolian deposition on the Southern High Plains during the Pliocene.

1.2 Previous Environmental Investigations

Currently, a total of 41 monitor wells have been installed proximal to the release point (see Figure 1 - Site Plan). The first monitor well (MW-1), installed July 2004, was completed with a screened interval below the potentiometric surface. The second monitor well (MW-1A), installed in September 2004, and three (3) additional monitor wells (MW-2, MW-3, and MW-4), installed in October 2004, were noted to have PSH enter the casings immediately upon completion of the wells.

In November 2007, 16 additional groundwater monitor wells (MW-5 through MW-20) were installed as proposed in the Monitor Well Installation Workplan Moore to Jal #1, dated January 26, 2007. The purpose of the additional monitor wells was to further delineate the extent of the PSH and dissolved phase plumes. In addition to the new monitor well installations, monitor wells MW-1 and MW-4 were plugged and abandoned (P&A'd) on March 14, 2007, and re-drilled as new groundwater monitor wells, MW-1A and MW-4A. Of the sixteen monitor wells that were installed, 10 wells (MW-4A, MW-5 through MW-12, and MW-15) were impacted with PSH.

In 2010, a total of 11 specific gravity skimmers with bladder pumps were in operation in monitor wells MW-2, MW-3, MW-5, MW-7 through MW-13, and MW-15. A total of three (3) total fluids pumps were in operation in monitor wells MW-1A, MW-4A, and MW-6. In addition, 16 monitor wells (MW-21 through MW-36) were installed at the site to further delineate the PSH and dissolved-phase plumes. It was noted during this time that monitor wells MW-24, MW-25, MW-30, and MW-31 were impacted by the presence of PSH. Based on this, two (2) skimmers were added to the remediation system in monitor wells MW-24 and MW-25 in October 2010.

In 2011, a transfer system was installed that was designed to pump recovered groundwater from the site to the Apollo salt water disposal (SWD) facility, thereby, eliminating the need to haul water to a disposal facility with a vacuum truck. The system was composed of a 3-inch High Density Polyethylene (HDPE) line that was installed (slip-lined) into the out-of-service Moore to Jal 8-inch pipeline from the Moore to Jal #2 site through the Moore to Jal #1 site to the C.S. Caylor site, where it is connected to the HDPE line that runs from the Caylor site to the Apollo SWD facility. A 5-horsepower (HP) transfer pump was used to impel the water down the HDPE line.

During the year 2011, a total of 13 specific gravity skimmers and bladder pumps operated in monitor wells MW-2, MW-3, MW-5, MW-7 through MW-13, MW-15, MW-24, and MW-25. In addition, a total of three (3) total fluids pumps operated in monitor wells MW-1A, MW-4A, and MW-6 during 2011.

During the year 2012, a total of 12 specific gravity skimmers and bladder pumps operated in monitor wells MW-2, MW-3, MW-5, MW-8 through MW-13, MW-15, MW-24, and MW-25. In addition, a total of seven (7) total fluids pumps operated in monitor wells MW-1A, MW-4A, MW-6, MW-7, MW-30, MW-31, and MW-33.

During 2013, two (2) additional monitor wells were installed at the site (MW-37 and MW-38) to further delineate the dissolved-phase plume. Additional total fluids pumps were installed in monitor wells MW-5, MW-7, MW-8, MW-9, MW-12, MW-15, MW-16, MW-24, MW-25, MW-30, MW-31, MW-32 and MW-33.

Three (3) mobile dual-phase extraction (MDPE) events were conducted for the first time at this facility on October 10, 2017, November 1, 2017, and December 7, 2017. A total of 61.7 barrels of PSH were recovered which consisted of 47.5 bbls of liquid PSH and 14.2 bbls of vapor.

In 2018, three (3) additional monitor wells (MW-39, MW-40 and MW-41) were installed at the site to further delineate the dissolved-phase plume.

In 2021, the recovery system extracted a total of 44.47 bbls of PSH and 3495.2 bbls of groundwater.

A total of four (4) MDPE events were conducted in 2021, on February 25, June 16, August 12 and November 22, 2021. A total of 71.66 bbls of PSH were recovered which consisted of 57.74 bbls of liquid PSH and 13.92 bbls of vapor.

During 2022, a total of four (4) MDPE events were conducted on March 23, May 12, September 13, and December 20. A total of 40.70 bbls of PSH were recovered which consisted of 30.03 bbls of liquid PSH and 10.67 bbls of vapor.

Prior to August 2022, recovered water was sent to the disposal facility via the onsite transfer system. Beginning in August 2022, recovered water was transported off site via a vacuum truck for disposal.

During 2023, a total of four (4) MDPE events were conducted on April 3, June 27, August 31, and November 7. A total of 38.43 bbls of PSH were recovered which consisted of 14.36 bbls of liquid PSH and 24.07 bbls of vapor.

During 2024, a total of four (4) MDPE events were conducted on March 25, June 3, July 24, and November 7. A total of 13.18 bbls of PSH were recovered which consisted of 5.00 bbls of liquid PSH and 8.18 bbls of vapor.

1.3 Regulatory Framework

Groundwater analytical data from this site was evaluated to the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards.

NMWQCC Groundwater Standards	
Compound	**Milligrams per Liter**
Benzene	0.010
Toluene	0.750
Ethylbenzene	0.750
Total Xylenes	0.620
PAH (Naphthalene)	0.030
PAH (Benzo[a]pyrene)	0.0007

The following sections provide summaries of the groundwater monitoring activities conducted at the site as well as analytical results from each groundwater sampling event of 2024. Analytical results for the four (4) sampling events are summarized in Table 2 in Appendix B, and Figures 3a through 3d in Appendix A. Laboratory analytical data reports and chain of custody documentation are included in Appendix C.

2. SITE ACTIVITIES

The sections that follow summarize groundwater monitoring, PSH recovery and site assessment activities conducted at the site during the year 2024. The primary function of groundwater monitoring activities is to collect depth to fluid measurements and collect groundwater samples for laboratory analysis. The objective of groundwater monitoring is to evaluate the status of the dissolved-phase and PSH plumes in order to verify the effectiveness of the remediation system as to inhibiting plume migration, reducing the volume of PSH impact to the groundwater and determining if modifications to the remediation system would improve performance and efficiency.

2.1 Groundwater Monitoring Activities

A total of four (4) groundwater monitoring events were conducted by Talon/LPE in 2024. The events occurred in: March, June, September, and December.

During the March 2024 groundwater monitoring event, all 41 monitor wells were gauged. A total of nine (9) monitor wells (MW-21, MW-26, MW-29, MW-35, MW-36, and MW-38 through MW-41) were purged and sampled. Due to the presence of PSH, six (6) monitor wells (MW-8, MW-10, MW-24, MW-25, MW-32, and MW-33) were not sampled. It was noted that 23 monitor wells (MW-1A, MW-2, MW-3, MW-4A, MW-6, MW-7, MW-9, MW-11 through MW-20, MW-22, MW-23, MW-28, MW-30, MW-31, and MW-34) were dry when gauged, two (2) monitor wells (MW-27 and MW-37) had insufficient water, and one (1) monitor well (MW-5) had an obstruction; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the June 2024 groundwater monitoring event, all 41 monitor wells were gauged. A total of seven (7) monitor wells (MW-21, MW-35, MW-36, and MW-38 through MW-41) were purged and sampled. Due to the presence of PSH, six (6) monitor wells (MW-8, MW-10, MW-24, MW-25, MW-32, and MW-33) were not sampled. It was noted that 23 monitor wells (MW-1A, MW-2, MW-3, MW-4A, MW-6, MW-7, MW-9, MW-11 through MW-20, MW-22, MW-23, MW-28, MW-30, MW-31, and MW-34) were dry when gauged, four (4) monitor wells (MW-26, MW-27, MW-29, and MW-37) had insufficient water, and one (1) monitor well (MW-5) had an obstruction; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the September 2024 groundwater monitoring event, all 41 monitor wells were gauged. A total of five (5) monitor wells (MW-21 and MW-38, through MW-41) were purged and sampled. Due to the presence of PSH, three (3) monitor wells (MW-8, MW-32, and MW-33) were not sampled. It was noted that 28 monitor wells (MW-1A, MW-2, MW-3, MW-4A, MW-6, MW-7, MW-9 through MW-20, MW-22 through MW-26, MW-28 through MW-31, and MW-34) were dry when gauged, four (4) monitor wells (MW-27 and MW-35 through MW-37) had insufficient water, and one (1) monitor well (MW-5) had an obstruction; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

During the December 2024 groundwater monitoring event, all 41 monitor wells were gauged. A total of four (4) monitor wells (MW-38 through MW-41) were purged and sampled. Due to the presence of PSH, three (3) monitor wells (MW-8, MW-32, and MW-33) were not sampled. It was noted that 28 monitor wells (MW-1A, MW-2, MW-3, MW-4A, MW-6, MW-7, MW-9 through MW-20, MW-22 through MW-26, MW-28 through MW-31, and MW-34) were dry when gauged, five (5) monitor wells (MW-21, MW-27, and MW-35 through MW-37) had insufficient water, and one (1) well monitor well (MW-5) had an obstruction; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.2.

2.2 Groundwater Gauging, Purging, and Sampling Procedures

During each groundwater monitoring event, all monitor wells were measured with an oil/water interface probe to determine static water levels and to determine the thickness of PSH accumulations, if present. The data collected from measurements was used to construct groundwater gradient maps and PSH thickness maps. The results of the measured depths to fluids collected during each of the four (4) events are incorporated in Table 1 – Groundwater Gauging and NAPL Thickness - Historical of Appendix B.

Subsequent to gauging, all monitor wells with sufficient water volume and that did not indicate the presence of PSH were purged using a down-hole pump equipped with vinyl tubing. The pump and tubing were decontaminated with Alconox detergent and rinsed with distilled water after each use. Recovered purge water and water used in the decontamination process was contained in 55-gallon drums. Subsequent to the completion of the groundwater monitoring event, all retained water was deposited into a recovery tank and stored onsite. Prior to August 2022, recovered water was sent to the disposal facility via the onsite transfer system. Beginning in August 2022, recovered water was transported off site via a vacuum truck for disposal.

Groundwater samples were collected from all monitor wells that were not impacted with PSH using dedicated disposable polyethylene bailers. The groundwater samples were contained in laboratory supplied 40-mL VOA sample vials with the appropriate preservative required for the analysis requested. The groundwater samples were maintained on ice, in the custody of Talon/LPE personnel, until they were delivered to Permian Basin Environmental in Midland, Texas for analyses. The groundwater samples collected during all four (4) events were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method SW-846 8021B.

2.3 Phase Separated Hydrocarbon Recovery

PSH recovery has been conducted at the site since 2004, initially by hand bailing and then by using pneumatic pumps. In October 2008, Talon/LPE installed a pneumatic skimmer system at the site. In October 2017, Talon/LPE began conducting MDPE events at the site.

In 2024, six (6) monitor wells were pumped for PSH: MW-8, MW-10, MW-24, MW-25, MW-32, and MW-33. Due to declining water levels, the system was not operated after the first quarter.

The discharge and recharge cycles for the total fluids pumps were set on timers in order to maximize PSH recovery in relation to groundwater volumes recovered. The system has been effective for increasing PSH recovery and inhibiting PSH plume and dissolved-phase migration. Talon/LPE personnel performed a minimum of weekly maintenance to the remediation system to ensure efficient operation and to minimize downtime.

Currently, PSH recovered by the total fluids pumps are discharged to an on-site frac tank, which is gauged for the accumulation of water and PSH on a weekly basis. Prior to August 2022, upon reaching an established level in the holding tank, the PSH and recovered water engaged a head pressure switch, which in turn operated a fluid transfer pump. When the pump was engaged, the recovered fluids were transferred to a 4-inch HDPE line co-mingling with recovered fluids from the Moore to Jal #2 and C.S. Caylor groundwater recovery systems. A 5-HP transfer pump then moved water to the Apollo SWD System for disposal. Beginning in August 2022, fluids in the on-site frac tank are transported off-site via a vacuum truck for disposal.

During 2024 the quarterly PSH and groundwater recovery totals are as follows:

1st Quarter –	0.28	bbls PSH and	110	bbls of groundwater
2nd Quarter –	0	bbls PSH and	0	bbls of groundwater
3rd Quarter –	0	bbls PSH and	0	bbls of groundwater
4th Quarter –	0	bbls PSH and	0	bbls of groundwater

Four (4) MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2024. The individual MDPE event recovery totals are as follows:

March 25, 2024 –	2.61	bbls vapor,	1.40	bbls liquid
June 3, 2024 –	1.51	bbls vapor,	1.19	bbls liquid
July 24, 2024 –	1.96	bbls vapor,	1.75	bbls liquid
December 3, 2024 –	2.10	bbls vapor,	0.66	bbls liquid

In 2024, an estimated total of 13.18 bbls of PSH were recovered during the MDPE events.

Approximately 13.46 bbls of PSH were recovered in 2024 and a total of approximately 3,145.56 bbls of PSH have been recovered at the subject site to date.

3. GROUNDWATER MONITORING RESULTS

The results of the laboratory analyses are summarized in Table 2 – Groundwater Analytical Data - Historical in Appendix B. Laboratory analytical data reports and chain of custody documentation are provided in Appendix C.

The following sections present the results from the monitoring of the first water-bearing zone underlying the site.

3.1 Physical Characteristics of the First Water-Bearing Zone

The primary groundwater resource under the Southern High Plains, which includes the site, is referred to as the Ogallala Aquifer or High Plains Aquifer. The Southern portion of the Ogallala Aquifer underlies an area of about 29,000 square miles in western Texas and eastern New Mexico, encompassing all or part of 31 counties in Texas and six (6) counties in New Mexico.

The Ogallala Aquifer has experienced acute depletion from extensive irrigation and urban demand, which have exceeded the average annual recharge rate. Recharge of the Ogallala Aquifer on the Southern High Plains occurs predominately from rainfall runoff that accumulates in ephemeral streams and playa lakes as well as direct recharge in areas that contain permeable soils such as sand hills. Recharge rates vary depending on mechanism, but average from zero to 1.6 inches per year.

The Ogallala Aquifer is generally unconfined and the potentiometric surface mimics the topography with the regional flow direction from the northwest to the southeast. The mean regional gradient is 15 feet per mile and the typical groundwater velocity averages seven inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot with a specific yield averaging 16%. The depth to groundwater at the site has historically ranged from 76 to 95 feet below ground surface, and the groundwater flow direction is to the southeast at an average of 20 feet per mile.

The composition of Ogallala groundwater is defined as mixed-cation-HCO_3, therefore, Ogallala groundwater is considered hard. Problems with scale have occurred with residential and commercial water systems that use Ogallala groundwater and often treatment strategies are employed to reduce the effects of scale. The typical total dissolved solids of Ogallala groundwater in the Hobbs-Lovington area is generally less than 1,000 mg/L (ppm) in areas not impacted by oil-field brines. The pH of Ogallala water averages 7.3.

3.2 Groundwater Gradient and Flow Direction

The depth to fluid measurements was collected during each of the four (4) groundwater monitoring events during the year 2024. The results of the fluid level measurements are summarized in Table 1 - Groundwater Gauging and NAPL Thickness - Historical in Appendix B.

Potentiometric surface maps were constructed from the four (4) quarterly water level measurement data sets:

- March 07, 2024
- June 10, 2024
- September 10, 2024
- December 11, 2024

These maps are Figures 2a, 2b, 2c, and 2d presented in Appendix A.

Based on fluid level measurements at the site, the groundwater flow direction within the first water-bearing zone underlying the site between March 2024 and December 2024 was southeast with an average gradient of 0.0049 feet per foot (ft/ft), or approximately 25.87 feet per mile. Groundwater levels at the subject site have exhibited a decrease of an average of 1.17 feet for the year 2024 that appears to be associated with a regional trend of fluctuating groundwater levels for the Ogallala Aquifer.

3.3 Phase Separated Hydrocarbons

Groundwater measurements were obtained using an oil/water interface probe, which was also used to determine the presence of PSH.

During the March 2024 sampling event, PSH was observed in six (6) monitor wells (MW-8, MW-10, MW-24, MW-25, MW-32, and MW-33). PSH thickness in these wells ranged from 0.01 feet to 1.42 feet.

During the June 2024 sampling event, PSH was observed in six (6) monitor wells (MW-8, MW-10, MW-24, MW-25, MW-32, and MW-33). PSH thickness in these wells ranged from 0.01 feet to 1.33 feet.

During the September 2024 sampling event, PSH was observed in three (3) monitor wells (MW-8, MW-32, and MW-33). PSH thickness in these wells ranged from 0.35 feet to 0.85 feet.

During the December 2024 sampling event, PSH was observed in three (3) monitor wells (MW-8, MW-32, and MW-33). PSH thickness in these wells ranged from 0.05 feet to 0.52 feet.

PSH plume maps are presented as Figures 3a, 3b, 3c, and 3d in Appendix A.

3.4 Groundwater Sampling Results

During the March 2024 sampling event, nine (9) monitor wells (MW-21, MW-26, MW-29, MW-35, MW-36, and MW-38 through MW-41) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-40, which exhibited a benzene concentration of 0.00194 mg/L. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any monitor wells sampled this quarter.
- Toluene concentrations were below the applicable laboratory MDLs in all wells. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells sampled. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Xylene concentrations were below the applicable laboratory MDLs in all wells sampled. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled this quarter.

During the June 2024 sampling event, (7) monitor wells (MW-21, MW-35, MW-36, and MW-38 through MW-41) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells sampled with the exception of MW-40, which exhibited a benzene concentration of 0.00247 mg/L. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any monitor wells sampled this quarter.
- Toluene concentrations were below the applicable laboratory MDLs in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells sampled. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.

- Xylene concentrations were below the applicable laboratory MDLs in all wells sampled. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled this quarter.

During the September 2024 sampling event, five (5) monitor wells (MW-21 and MW-38, through MW-41) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-38, which exhibited a benzene concentration of 0.125 mg/L which exceeded the NMWQCC standard of 0.010 mg/L, and MW-40, which exhibited a benzene concentration of 0.00151 mg/L which did not exceed the NMWQCC groundwater standard of 0.010 mg/L this quarter.
- Toluene concentrations were below the applicable laboratory MDLs in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells sampled. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Xylene concentrations were below the applicable laboratory MDLs in all wells sampled. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled this quarter.

During the December 2024 sampling event, four (4) monitor wells (MW-38 through MW-41) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were below the applicable laboratory MDLs in all wells with the exception of MW-38, which exhibited a benzene concentration of 0.156 mg/L which exceeded the NMWQCC standard of 0.010 mg/L, and MW-40, which exhibited a benzene concentration of 0.00133 mg/L, which did not exceed the NMWQCC groundwater standard of 0.010 mg/L this quarter.
- Toluene concentrations were below the applicable laboratory MDLs in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Ethylbenzene concentrations were below the applicable laboratory MDLs in all wells sampled. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any monitor wells sampled this quarter.
- Xylene concentrations were below the applicable laboratory MDLs in all wells sampled. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any monitor wells sampled this quarter.

The results of the laboratory analyses are summarized in Table 2 – Groundwater Analytical Data - Historical in Appendix B. Laboratory analytical data reports and chain of custody documentation are provided in Appendix C.

4. CONCLUSIONS AND RECOMMENDATIONS

The following section presents a summary of the groundwater monitoring events conducted at the site and provides recommendations for future actions.

4.1 Summary of Findings

- The groundwater flow direction is generally to the southeast with an average gradient of 0.0049 feet per foot based on the water level measurement data collected in 2024.
- Groundwater levels at the subject site have decreased an average of 1.17 feet for the year 2024.
- PSH thicknesses have generally decreased during the year 2024.
- Dissolved-phase benzene concentrations decreased in monitor well MW-40.
- Dissolved-phase benzene concentrations increased in monitor well MW-38.
- The groundwater recovery system and four (4) MDPE events removed 13.46 bbls of PSH during 2024.

4.2 Recommendations

Based upon the results of the quarterly groundwater monitoring and PSH recovery efforts, Talon/LPE proposes the following actions:

- Install additional monitoring wells to compensate for declining groundwater levels.
- Continue operation and maintenance of the total fluid pumps recovery system.
- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.

APPENDIX A

Figures

TALON LPE

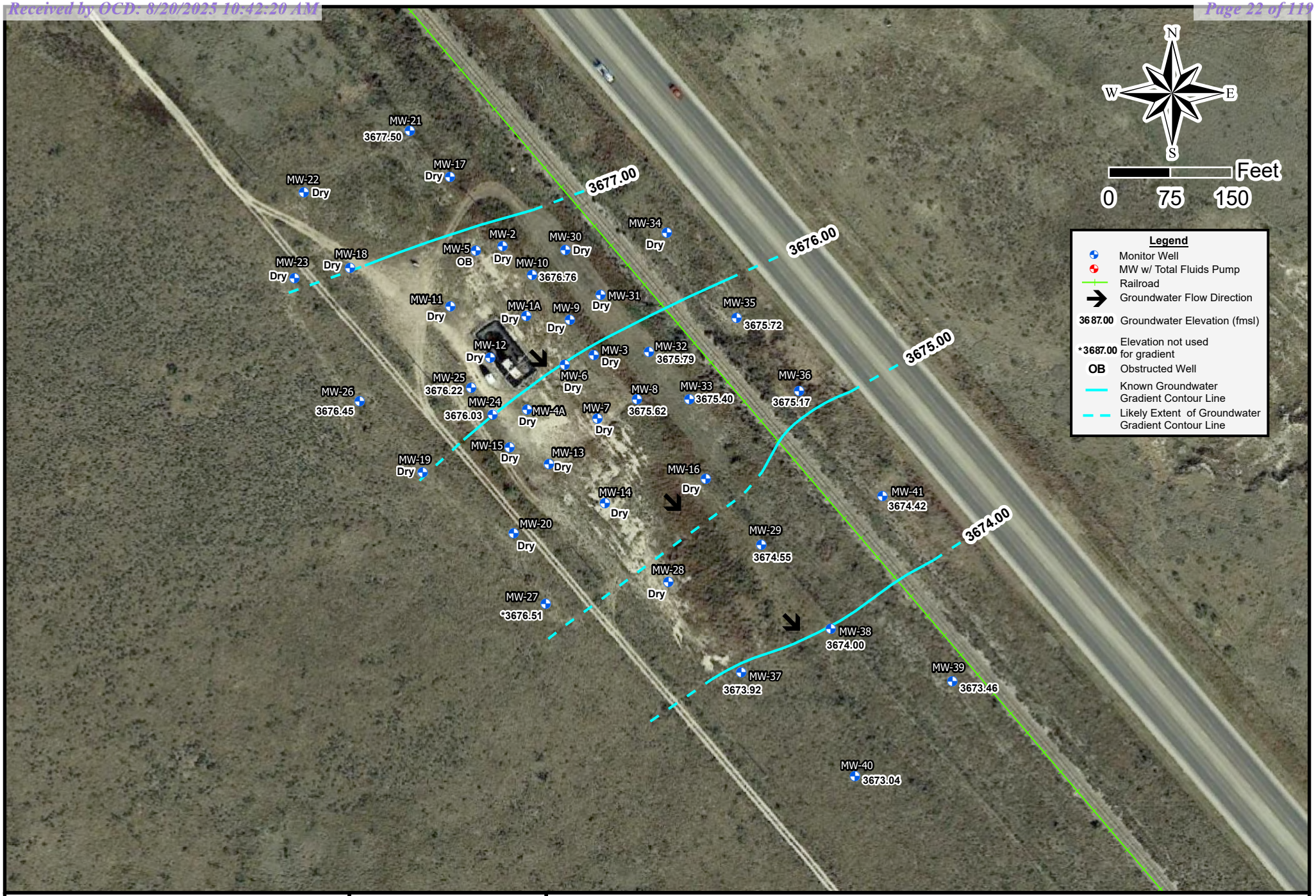
Drafted: 5/16/2024

1 in = 150 ft

Drafted By: IJR

8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099

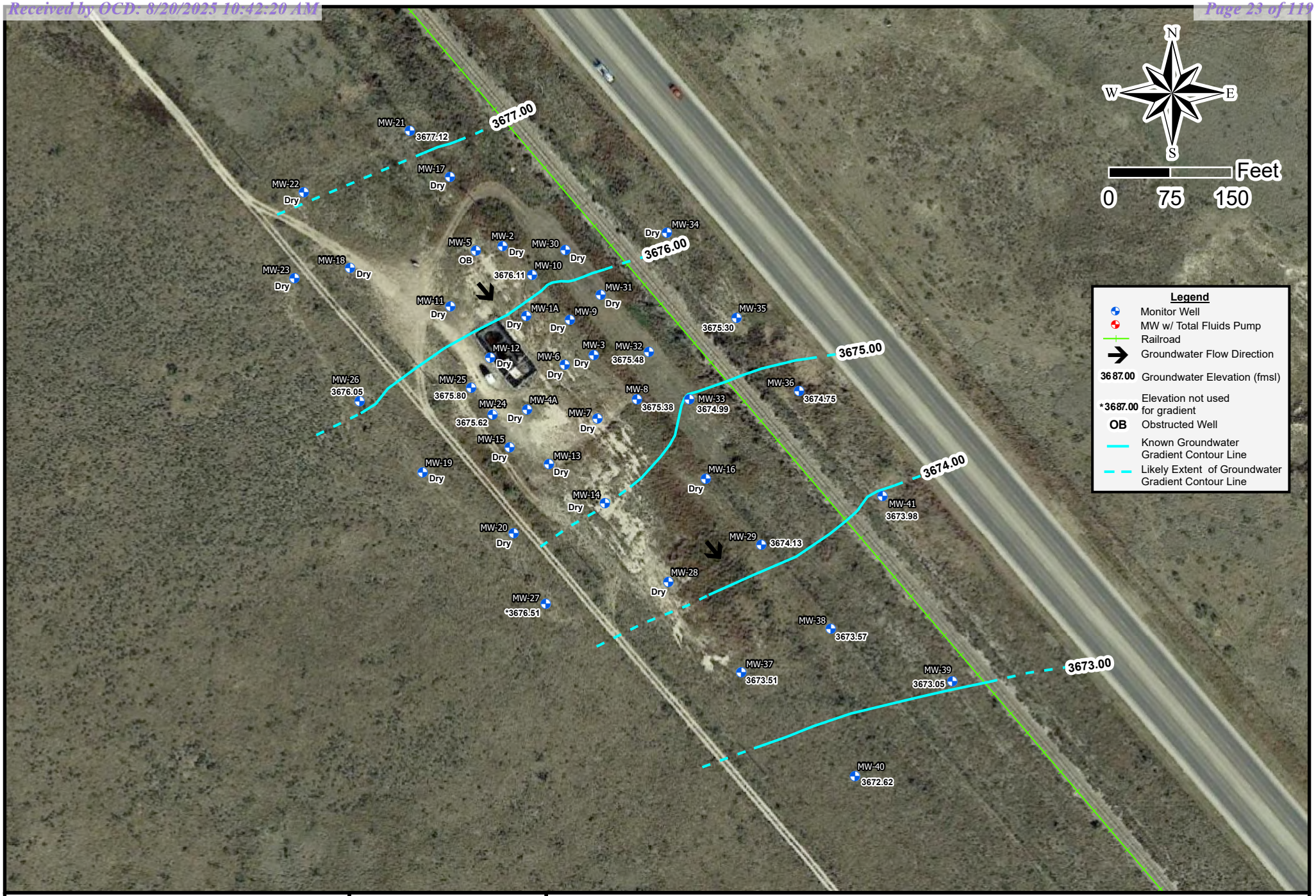
Figure 1 - Site Plan



TALON LPE

Drafted: 3/3/2025
1 in = 150 ft
Drafted By: JAI

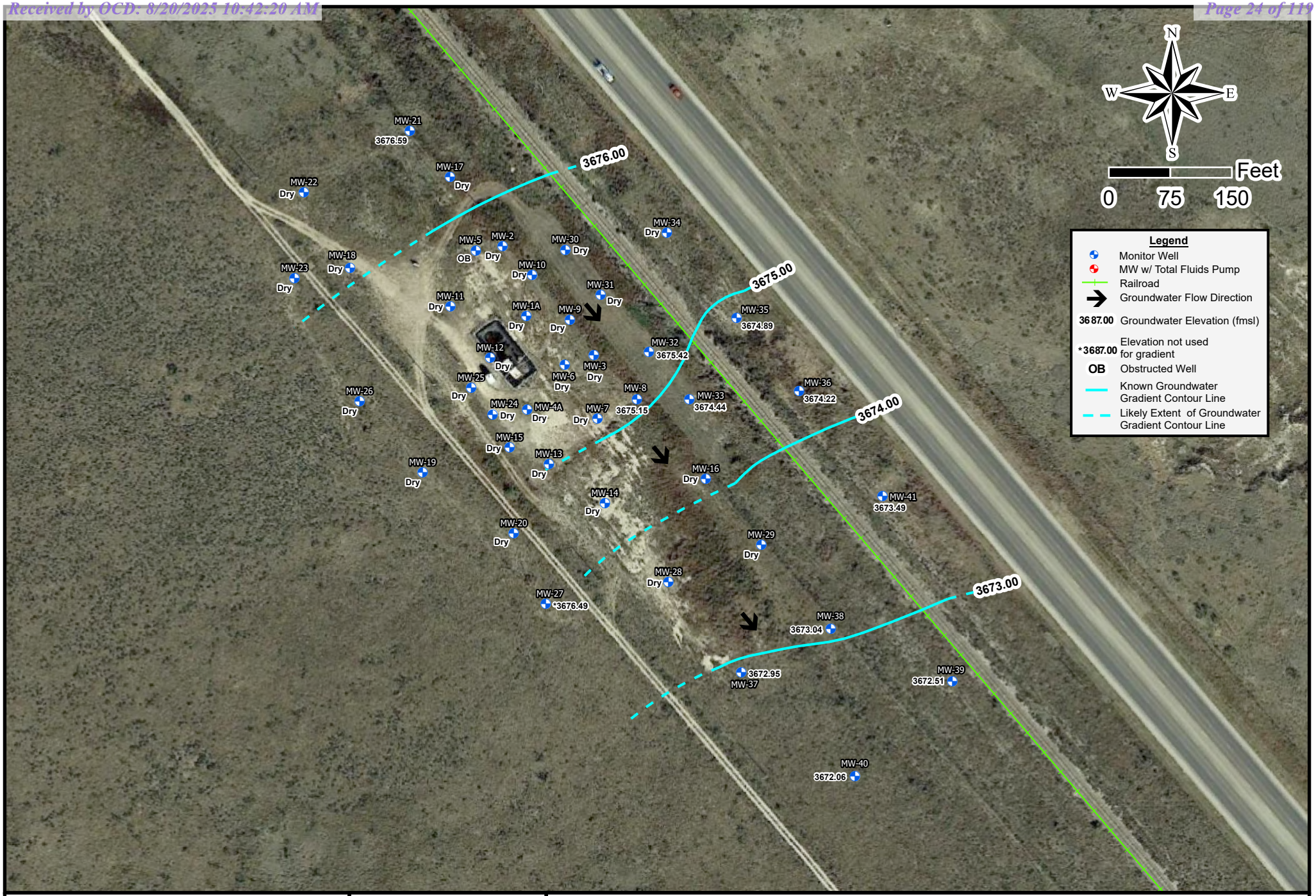
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 2a - Groundwater Gradient Map (03/07/2024)



TALON LPE

Drafted: 8/19/2024
1 in = 150 ft
Drafted By: JAI

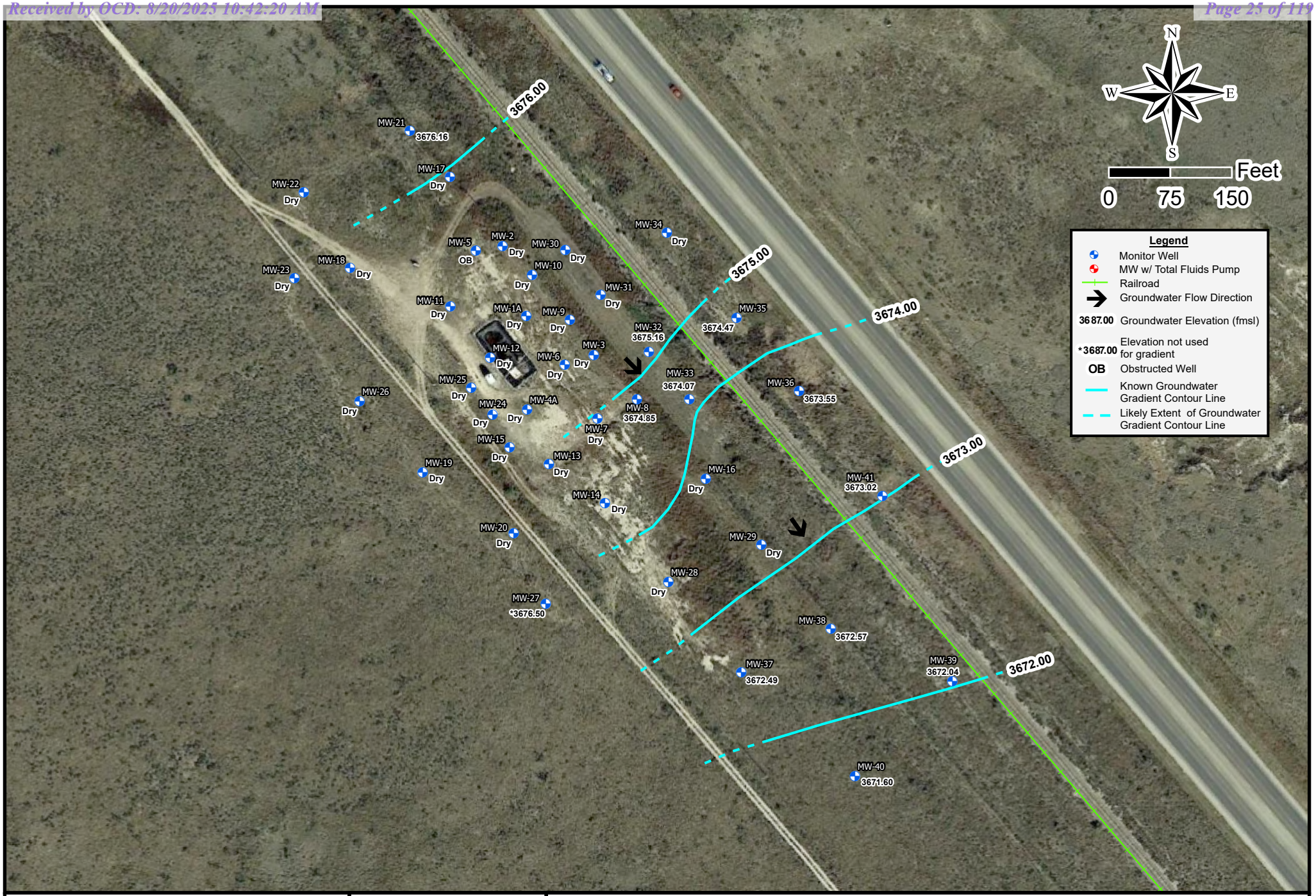
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 2b - Groundwater Gradient Map (06/10/2024)



TALON LPE

Drafted: 3/5/2025
1 in = 150 ft
Drafted By: JAI

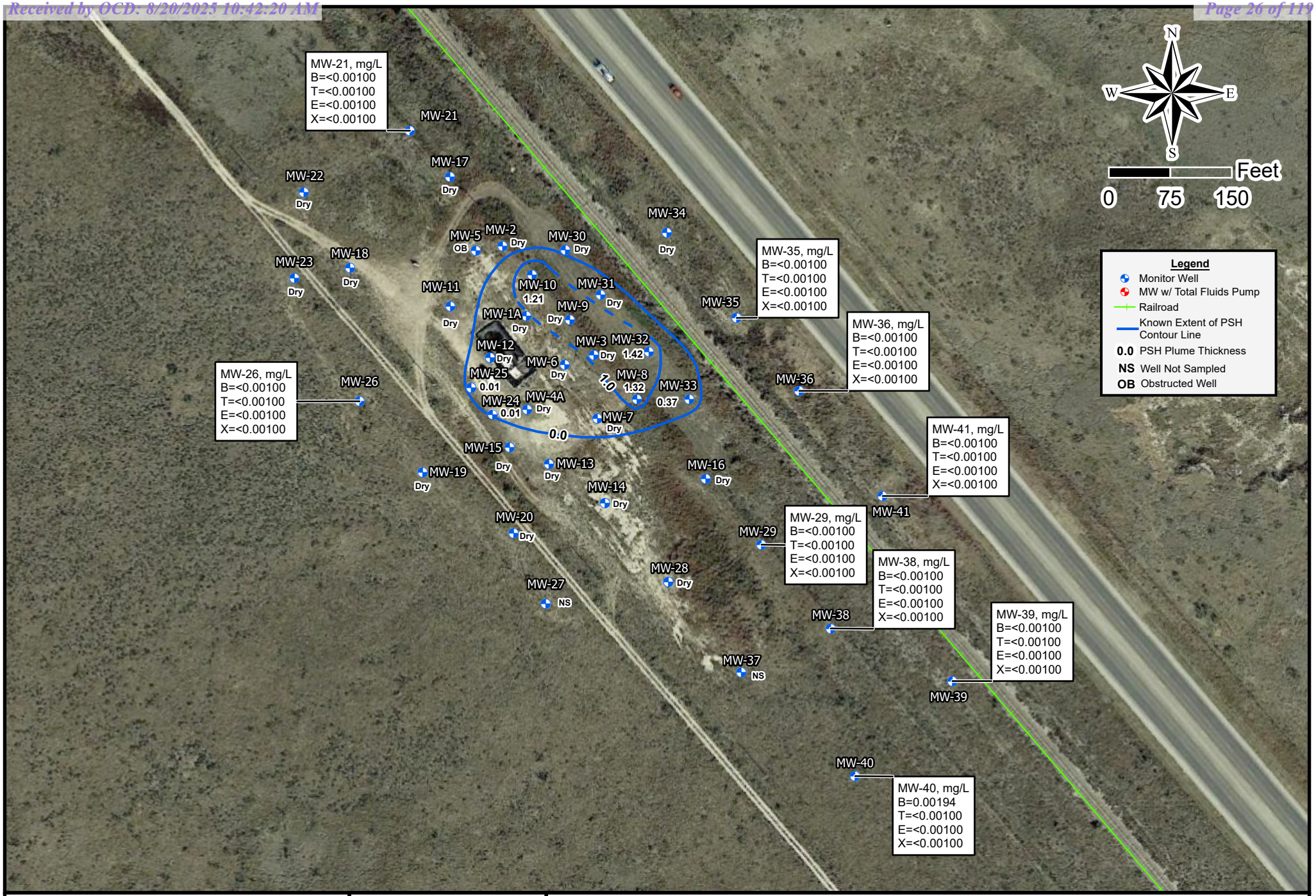
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 2c - Groundwater Gradient Map (09/10/2024)



TALON LPE

Drafted: 1/17/2025
1 in = 150 ft
Drafted By: JAI

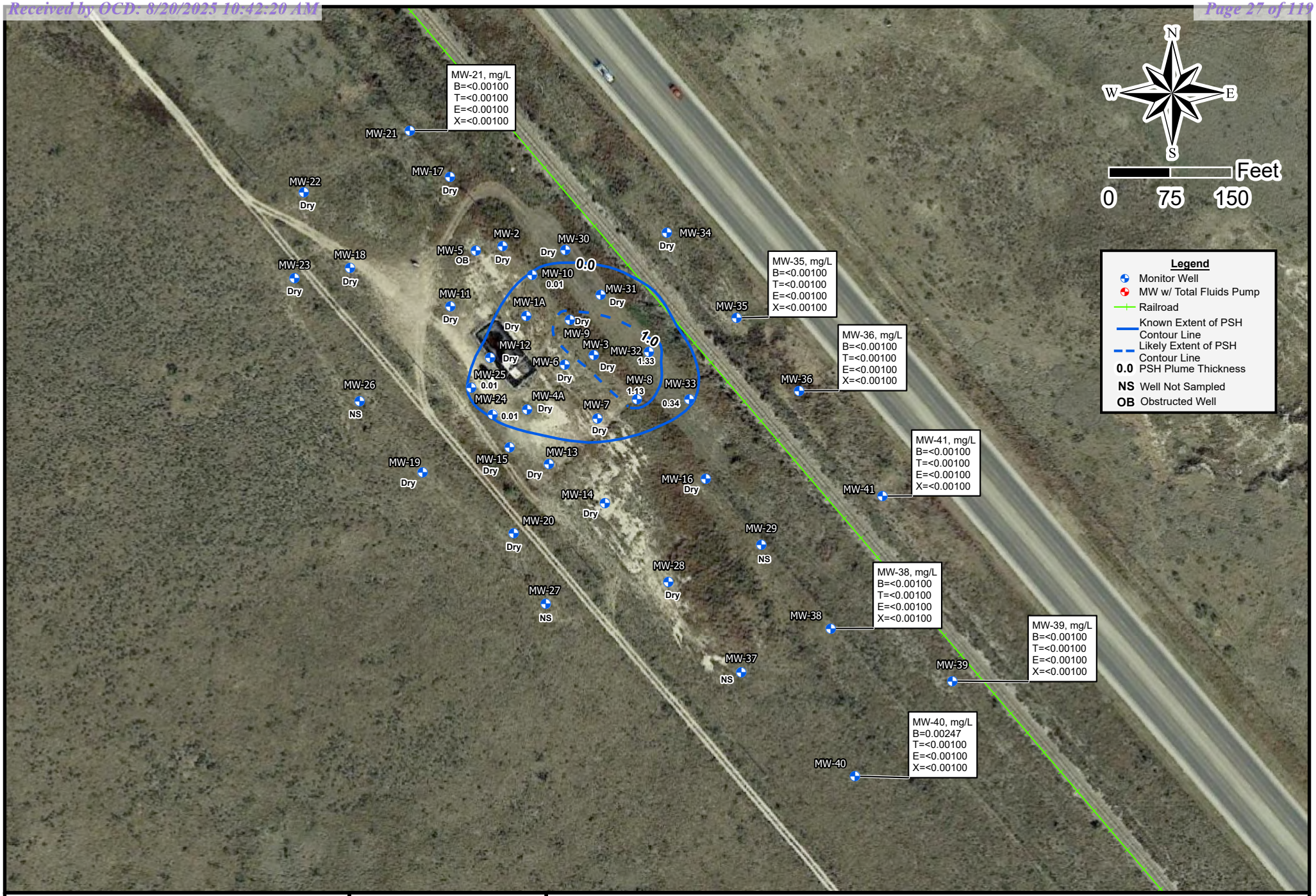
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 2d - Groundwater Gradient Map (12/11/2024)



TALON LPE

Drafted: 5/22/2024
1 in = 150 ft
Drafted By: IJR

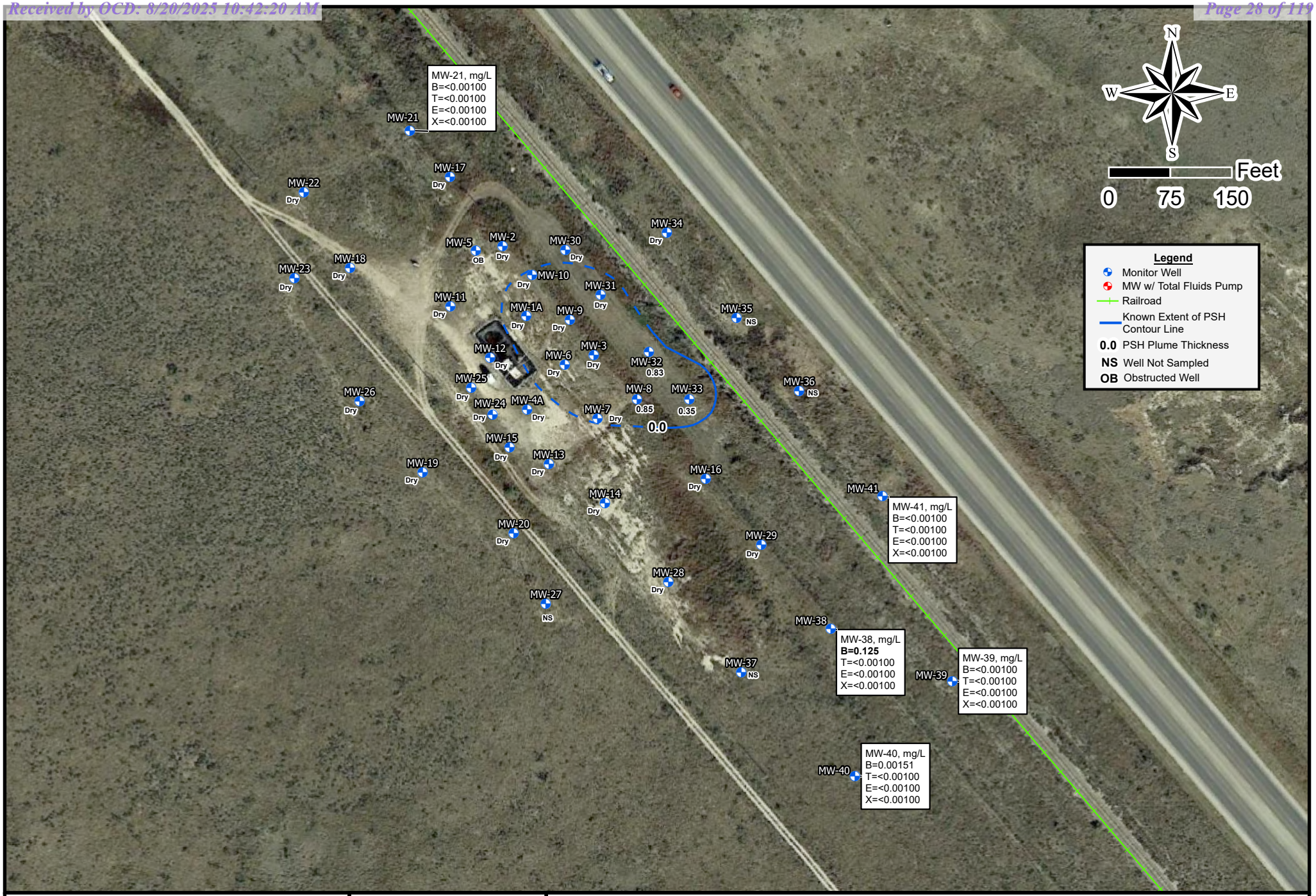
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 3a - PSH Thickness & Groundwater Concentration Map (03/07 - 08/2024)



TALON LPE

Drafted: 8/19/2024
1 in = 150 ft
Drafted By: JAI

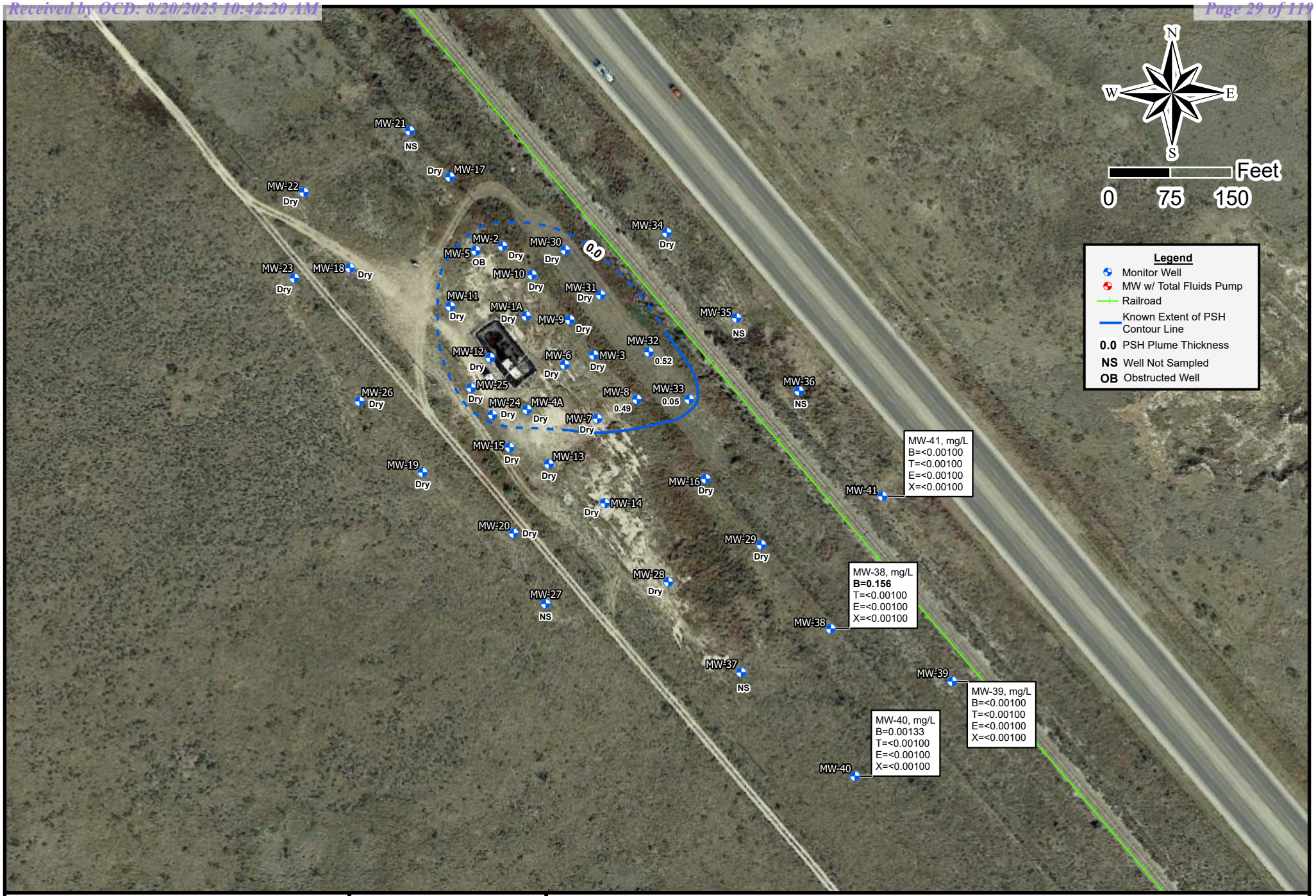
8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 3b - PSH Thickness & Groundwater Concentration Map (06/10/2024)



TALON LPE

Drafted: 3/3/2025
1 in = 150 ft
Drafted By: JAI

8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 3c - PSH Thickness & Groundwater Concentration Map (09/10/2024)



TALON LPE

Drafted: 3/3/2025
1 in = 150 ft
Drafted By: JAI

8" Moore to Jal #1
SRS # 2002-10270, NMOCD REF. #nAPP2109526205
SE 1/4, NW 1/4 of Sec. 16, T17S, R37E, Lea County, New Mexico
32.837091, -103.257099
Figure 3d - PSH Thickness & Groundwater Concentration Map (12/11/2024)

APPENDIX B

Tables

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-1A 4"	3,768.36	63	83	03/24/2016	NL	-	-	-
				06/20/2016	NL	-	-	-
				09/28/2016	NL	-	-	-
				12/13/2016	NL	-	-	-
				03/16/2017	NL	-	-	-
				06/05/2017	NL	-	-	-
				09/19/2017	NL	-	-	-
				12/13/2017	NL	-	-	-
				03/23/2018	NL	-	-	-
				06/14/2018	DR	-	-	-
				09/24/2018	73.69	73.68	0.01	3694.68
				12/17/2018	DR	-	-	-
				03/21/2019	DR	-	-	-
				06/24/2019	DR	-	-	-
				09/16/2019	DR	-	-	-
				12/12/2019	DR	-	-	-
				03/16/2020	DR	-	-	-
				06/18/2020	74.00	-	-	3694.36
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-2 4"	3,768.35	63	83	03/24/2016	83.50	77.21	6.29	3690.10
				06/20/2016	83.60	77.70	5.90	3689.68
				09/28/2016	83.63	78.31	5.32	3689.16
				12/13/2016	82.48	78.70	3.78	3689.03
				03/16/2017	85.39	78.95	6.44	3688.34
				06/05/2017	83.00	79.30	3.70	3688.44
				09/19/2017	83.49	79.79	3.70	3687.95
				12/13/2017	83.60	80.24	3.36	3687.56
				03/23/2018	83.60	80.59	3.01	3687.26
				06/14/2018	83.67	80.94	2.73	3686.96
				09/24/2018	84.15	81.48	2.67	3686.43
				12/17/2018	85.00	81.95	3.05	3685.90
				03/21/2019	83.68	82.20	1.48	3685.91
				06/24/2019	83.63	82.60	1.03	3685.58
				09/16/2019	83.66	83.10	0.56	3685.16
				12/12/2019	83.67	83.60	0.07	3684.74
				03/16/2020	DR	-	-	-
				06/18/2020	DR	-	-	-
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-3 4"	3,767.24	61	81	03/24/2016	80.90	76.06	4.84	3690.38
				06/20/2016	80.88	77.10	3.78	3689.52
				09/28/2016	80.92	77.85	3.07	3688.88
				12/13/2016	81.06	78.15	2.91	3688.61
				03/16/2017	79.95	78.50	1.45	3688.50
				06/05/2017	81.00	78.75	2.25	3688.12
				09/19/2017	81.09	79.20	1.89	3687.73
				12/13/2017	79.70	79.63	0.07	3687.60
				03/23/2018	81.09	79.95	1.14	3687.10
				06/14/2018	81.05	80.40	0.65	3686.73
				09/24/2018	80.86	80.85	0.01	3686.39
				12/17/2018	DR	-	-	-
				03/21/2019	DR	-	-	-
				06/24/2019	DR	-	-	-
				09/16/2019	DR	-	-	-
				12/12/2019	DR	-	-	-
				03/16/2020	DR	-	-	-
				06/18/2020	DR	-	-	-
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-4A 4"	3,770.64	55	95	03/24/2016	86.93	80.38	6.55	3689.18
				06/20/2016	87.91	80.75	7.16	3688.71
				09/28/2016	85.53	82.09	3.44	3687.98
				12/13/2016	84.82	82.70	2.12	3687.59
				03/16/2017	87.90	82.25	5.65	3687.46
				06/05/2017	84.06	83.55	0.51	3687.01
				09/19/2017	86.73	83.56	3.17	3686.56
				12/13/2017	86.54	84.03	2.51	3686.20
				03/23/2018	85.25	84.65	0.60	3685.89
				06/14/2018	86.20	81.80	4.40	3688.11
				09/24/2018	85.65	85.64	0.01	3685.00
				12/17/2018	86.54	86.03	0.51	3684.53
				03/21/2019	86.40	86.31	0.09	3684.32
				06/24/2019	87.02	86.66	0.36	3683.92
				09/16/2019	87.40	87.15	0.25	3683.45
				12/12/2019	88.55	87.60	0.95	3682.88
				03/16/2020	89.15	87.67	1.48	3682.73
				06/18/2020	88.67	88.20	0.47	3682.36
				09/17/2020	97.00	88.20	8.80	3680.99
				12/08/2020	94.17	88.55	5.62	3681.16
				03/08/2021	90.64	89.37	1.27	3681.06
				06/25/2021	90.10	89.10	1.00	3681.37
				09/10/2021	90.10	89.50	0.60	3681.04
				12/07/2021	90.10	90.00	0.10	3680.62
				03/08/2022	90.74	90.40	0.34	3680.18
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-5 4"	3,768.85	57	97	03/24/2016	84.32	77.78	6.54	3689.99
				06/20/2016	84.62	78.21	6.41	3689.58
				09/28/2016	82.42	79.54	2.88	3688.83
				12/13/2016	83.17	79.82	3.35	3688.48
				03/16/2017	NL	-	-	-
				06/05/2017	NL	-	-	-
				09/19/2017	90.50	80.32	10.18	3686.85
				12/13/2017	82.00	81.81	0.19	3687.01
				03/23/2018	82.45	82.07	0.38	3686.72
				06/14/2018	82.75	82.55	0.20	3686.27
				09/24/2018	83.30	83.00	0.30	3685.80
				12/17/2018	85.10	83.15	1.95	3685.38
				03/21/2019	85.82	83.30	2.52	3685.13
				06/24/2019	85.60	83.80	1.80	3684.75
				09/16/2019	86.12	84.20	1.92	3684.33
				12/12/2019	86.05	85.03	1.02	3683.65
				03/16/2020	86.25	85.15	1.10	3683.52
				06/18/2020	85.65	85.60	0.05	3683.24
				09/17/2020	86.90	85.97	0.93	3682.73
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	OB	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	OB	-	-	-
				12/12/2023	OB	-	-	-
				03/07/2024	OB	-	-	-
				06/10/2024	OB	-	-	-
				09/10/2024	OB	-	-	-
				12/11/2024	OB	-	-	-
MW-6 4"	3,769.50	52	92	03/24/2016	87.85	78.80	9.05	3689.21
				06/20/2016	87.75	79.28	8.47	3688.82
				09/28/2016	88.51	79.97	8.54	3688.12
				12/13/2016	88.08	80.45	7.63	3687.79
				03/16/2017	89.05	80.55	8.50	3687.55
				06/05/2017	88.65	81.05	7.60	3687.20
				09/19/2017	87.73	81.62	6.11	3686.87
				12/13/2017	86.40	82.60	3.80	3686.27
				03/23/2018	85.00	83.23	1.77	3685.98
				06/14/2018	90.00	82.80	7.20	3685.51
				09/24/2018	84.50	84.33	0.17	3685.14
				12/17/2018	88.25	84.40	3.85	3684.46
				03/21/2019	85.73	84.93	0.80	3684.44
				06/24/2019	86.80	85.25	1.55	3683.99
				09/16/2019	86.52	85.85	0.67	3683.54
				12/12/2019	89.55	85.85	3.70	3683.04
				03/16/2020	87.70	86.50	1.20	3682.80
				06/18/2020	86.35	86.31	0.04	3683.18
				09/17/2020	92.80	86.50	6.30	3681.96
				12/07/2020	86.91	86.90	0.01	3682.60
				03/08/2021	OB	-	-	-
				06/25/2021	OB	-	-	-
				09/10/2021	OB	-	-	-
				09/30/2021	93.50	88.21	5.29	3680.42
				12/07/2021	92.70	89.95	2.75	3679.10
				03/08/2022	92.65	89.03	3.62	3679.87
				06/14/2022	92.65	89.56	3.09	3679.43
				09/06/2022	92.65	90.00	2.65	3679.06
				12/14/2022	92.65	90.48	2.17	3678.66
				03/14/2023	92.55	91.69	0.86	3677.67
				06/14/2023	93.03	92.15	0.88	3677.20
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-7 4"	3,770.20	46	86	03/24/2016	85.95	80.00	5.95	3689.22
				06/20/2016	83.60	81.32	2.28	3688.50
				09/28/2016	84.88	81.87	3.01	3687.83
				12/13/2016	84.43	82.34	2.09	3687.52
				03/16/2017	85.90	81.69	4.21	3687.82
				06/05/2017	85.98	82.19	3.79	3687.38
				09/19/2017	85.85	82.59	3.26	3687.07
				12/13/2017	85.60	83.85	1.75	3686.06
				03/23/2018	85.97	83.97	2.00	3685.90
				06/14/2018	86.00	84.24	1.76	3685.67
				09/24/2018	86.31	84.31	2.00	3685.56
				12/17/2018	86.50	84.81	1.69	3685.11
				03/21/2019	86.38	84.94	1.44	3685.02
				06/24/2019	88.75	85.37	3.38	3684.27
				09/16/2019	86.47	85.90	0.57	3684.21
				12/12/2019	86.48	86.45	0.03	3683.75
				03/16/2020	DR	-	-	-
				06/18/2020	DR	-	-	-
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	87.95	86.50	1.45	3683.46
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-8 4"	3,768.09	53	93	03/24/2016	84.18	78.08	6.10	3689.00
				06/20/2016	84.61	78.60	6.01	3688.50
				09/28/2016	85.33	79.29	6.04	3687.80
				12/13/2016	85.01	79.76	5.25	3687.46
				03/16/2017	86.40	79.75	6.65	3687.24
				06/05/2017	85.05	80.46	4.59	3686.87
				09/19/2017	87.65	80.40	7.25	3686.49
				12/13/2017	83.53	81.84	1.69	3685.97
				03/23/2018	86.07	81.63	4.44	3685.73
				06/14/2018	82.30	82.22	0.08	3685.86
				09/24/2018	89.11	82.20	6.91	3684.75
				12/17/2018	89.06	82.71	6.35	3684.33
				03/21/2019	87.34	83.18	4.16	3684.22
				06/24/2019	89.57	83.32	6.25	3683.74
				09/16/2019	84.95	84.72	0.23	3683.33
				12/12/2019	85.70	85.35	0.35	3682.68
				03/16/2020	85.80	85.55	0.25	3682.50
				06/18/2020	86.55	85.84	0.71	3682.13
				09/17/2020	86.70	86.42	0.28	3681.62
				12/07/2020	86.84	86.83	0.01	3681.26
				03/08/2021	87.31	87.22	0.09	3680.86
				06/25/2021	88.24	87.56	0.68	3680.42
				09/10/2021	88.85	87.93	0.92	3680.01
				12/07/2021	DR	-	-	-
				03/08/2022	91.90	88.25	3.65	3679.24
				06/14/2022	91.80	88.83	2.97	3678.77
				09/06/2022	92.43	89.33	3.10	3678.25
				12/14/2022	92.86	89.70	3.16	3677.87
				03/14/2023	91.05	90.68	0.37	3677.35
				06/14/2023	92.07	91.04	1.03	3676.88
				09/14/2023	92.78	91.43	1.35	3676.44
				12/12/2023	93.26	91.91	1.35	3675.96
				03/07/2024	93.57	92.25	1.32	3675.62
				06/10/2024	93.65	92.52	1.13	3675.38
				09/10/2024	93.65	92.80	0.85	3675.15
				12/11/2024	93.65	93.16	0.49	3674.85

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-9 4"	3,767.64	50	90	03/24/2016	85.20	76.70	8.50	3689.54
				06/20/2016	83.13	77.71	5.42	3689.04
				09/28/2016	83.88	78.36	5.52	3688.37
				12/13/2016	85.24	78.50	6.74	3688.03
				03/16/2017	85.47	78.70	6.77	3687.82
				06/05/2017	85.66	79.14	6.52	3687.42
				09/19/2017	82.02	79.52	2.50	3687.71
				12/13/2017	84.38	80.45	3.93	3686.54
				03/23/2018	83.55	81.98	1.57	3685.40
				06/14/2018	84.60	81.30	3.30	3685.80
				09/24/2018	85.50	82.20	3.30	3684.90
				03/21/2019	86.16	82.20	3.96	3684.79
				06/24/2019	87.94	83.03	4.91	3683.80
				09/16/2019	OB	-	-	-
				12/12/2019	OB	-	-	-
				03/16/2020	OB	-	-	-
				06/18/2020	OB	-	-	-
				09/17/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-10 4"	3,767.51	50	90	03/24/2016	84.70	76.35	8.35	3689.78
				06/20/2016	85.18	76.82	8.36	3689.31
				09/28/2016	85.68	77.52	8.16	3688.64
				12/13/2016	85.27	78.03	7.24	3688.29
				03/16/2017	85.83	78.20	7.63	3688.05
				06/05/2017	86.20	78.56	7.64	3687.69
				09/19/2017	86.09	79.16	6.93	3687.21
				12/13/2017	82.87	80.30	2.57	3686.79
				03/23/2018	84.32	80.35	3.97	3686.50
				06/14/2018	84.75	80.64	4.11	3686.19
				09/24/2018	88.35	80.69	7.66	3685.56
				12/17/2018	88.30	81.15	7.15	3685.18
				03/21/2019	88.06	81.54	6.52	3684.89
				06/24/2019	85.73	82.46	3.27	3684.51
				09/16/2019	84.37	83.22	1.15	3684.10
				12/12/2019	84.35	83.90	0.45	3683.54
				03/16/2020	84.72	84.10	0.62	3683.31
				06/18/2020	85.20	84.36	0.84	3683.01
				09/17/2020	86.70	84.75	1.95	3682.44
				12/07/2020	88.58	84.81	3.77	3682.08
				03/08/2021	89.98	84.94	5.04	3681.74
				06/25/2021	88.36	85.84	2.52	3681.25
				09/10/2021	88.30	86.31	1.99	3680.87
				12/07/2021	89.70	86.55	3.15	3680.44
				03/08/2022	91.30	86.70	4.60	3680.05
				06/14/2022	91.30	87.03	4.27	3679.78
				09/06/2022	91.30	87.40	3.90	3679.47
				12/14/2022	91.30	88.04	3.26	3678.93
				03/14/2023	91.30	88.40	2.90	3678.63
				06/14/2023	91.68	88.95	2.73	3678.11
				09/14/2023	91.30	89.98	1.32	3677.31
				12/12/2023	91.66	90.64	1.02	3676.70
				03/07/2024	91.76	90.55	1.21	3676.76
				06/10/2024	91.41	91.40	0.01	3676.11
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-11 4"	3,769.37	53	93	03/24/2016	85.00	78.40	6.60	3689.88
				06/20/2016	85.60	78.85	6.75	3689.41
				09/28/2016	86.19	79.57	6.62	3688.71
				12/13/2016	86.35	79.96	6.39	3688.36
				03/16/2017	86.83	80.14	6.69	3688.13
				06/05/2017	86.95	80.55	6.40	3687.76
				09/19/2017	87.39	81.04	6.35	3687.28
				12/13/2017	83.65	82.26	1.39	3686.88
				03/23/2018	85.06	82.34	2.72	3686.58
				06/14/2018	85.87	82.75	3.12	3686.11
				09/24/2018	83.22	83.21	0.01	3686.16
				12/17/2018	86.60	83.68	2.92	3685.21
				03/21/2019	85.15	84.22	0.93	3685.00
				06/24/2019	86.03	84.43	1.60	3684.68
				09/16/2019	86.90	84.85	2.05	3684.18
				12/12/2019	87.48	85.42	2.06	3683.61
				03/16/2020	87.50	85.60	1.90	3683.46
				06/18/2020	86.55	86.20	0.35	3683.11
				09/17/2020	87.30	86.70	0.60	3682.57
				12/08/2020	87.37	87.21	0.16	3682.13
				03/08/2021	87.65	87.51	0.14	3681.84
				06/25/2021	88.07	87.97	0.10	3681.38
				09/10/2021	89.06	88.26	0.80	3680.98
				12/07/2021	90.45	88.55	1.90	3680.51
				03/08/2022	88.91	88.90	0.01	3680.47
				06/14/2022	90.60	89.17	1.43	3679.96
				09/06/2022	90.60	89.48	1.12	3679.71
				12/14/2022	90.60	89.86	0.74	3679.39
				03/14/2023	90.60	90.26	0.34	3679.05
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-12 4"	3,769.68	51	91	03/24/2016	86.60	78.84	7.76	3689.56
				06/20/2016	87.30	79.35	7.95	3689.02
				09/28/2016	87.31	80.24	7.07	3688.27
				12/13/2016	88.31	80.40	7.91	3687.97
				03/16/2017	88.90	80.57	8.33	3687.74
				06/05/2017	88.86	81.01	7.85	3687.37
				09/19/2017	89.31	81.50	7.81	3686.89
				12/13/2017	83.85	83.01	0.84	3686.53
				03/23/2018	84.67	83.17	1.50	3686.26
				06/14/2018	86.35	83.38	2.97	3685.81
				09/24/2018	84.06	84.05	0.01	3685.63
				12/17/2018	85.06	85.05	0.01	3684.63
				03/21/2019	86.58	84.46	2.12	3684.87
				06/24/2019	87.37	85.00	2.37	3684.29
				09/16/2019	89.65	85.10	4.55	3683.83
				12/12/2019	87.30	86.28	1.02	3683.23
				03/16/2020	88.50	86.20	2.30	3683.10
				06/18/2020	90.70	86.30	4.40	3682.65
				09/17/2020	90.00	87.00	3.00	3682.18
				12/08/2020	89.71	87.56	2.15	3681.77
				03/08/2021	89.79	88.15	1.64	3681.26
				06/25/2021	89.64	88.46	1.18	3681.03
				09/10/2021	89.95	88.90	1.05	3680.61
				12/07/2021	91.65	89.10	2.55	3680.16
				03/08/2022	91.30	89.20	2.10	3680.13
				06/14/2022	90.95	90.20	0.75	3679.36
				09/06/2022	91.30	90.17	1.13	3679.32
				12/14/2022	91.30	90.47	0.83	3679.07
				03/14/2023	90.94	90.93	0.01	3678.75
				06/14/2023	91.68	91.41	0.27	3678.23
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-13 4"	3,771.14	56	96	03/24/2016	82.85	82.20	0.65	3688.83
				06/20/2016	82.78	82.77	0.01	3688.37
				09/28/2016	83.51	-	-	3687.63
				12/13/2016	83.83	-	-	3687.31
				03/16/2017	84.05	-	-	3687.09
				06/05/2017	84.42	-	-	3686.72
				09/19/2017	84.88	-	-	3686.26
				12/13/2017	85.23	-	-	3685.91
				03/23/2018	85.50	-	-	3685.64
				06/14/2018	85.98	-	-	3685.16
				09/24/2018	86.50	86.49	0.01	3684.65
				12/17/2018	86.92	86.91	0.01	3684.23
				03/21/2019	87.31	-	-	3683.83
				06/24/2019	87.51	-	-	3683.63
				09/16/2019	88.03	87.98	0.05	3683.15
				12/12/2019	DR	-	-	-
				03/16/2020	88.70	-	-	3682.44
				06/18/2020	89.25	89.05	0.20	3682.06
				09/17/2020	89.85	-	-	3681.29
				12/08/2020	90.08	-	-	3681.06
				03/08/2021	OB	-	-	-
				06/25/2021	OB	-	-	-
				09/10/2021	OB	-	-	-
				12/07/2021	OB	-	-	-
				03/08/2022	OB	-	-	-
				06/14/2022	OB	-	-	-
				09/06/2022	OB	-	-	-
				12/14/2022	OB	-	-	-
				03/14/2023	OB	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-14 4"	3,771.62	55	95	03/24/2016	83.18	-	-	3688.44
				06/20/2016	83.66	-	-	3687.96
				09/28/2016	84.31	-	-	3687.31
				12/13/2016	84.64	-	-	3686.98
				03/16/2017	84.92	-	-	3686.70
				06/05/2017	85.28	-	-	3686.34
				09/19/2017	85.78	-	-	3685.84
				12/13/2017	86.13	-	-	3685.49
				03/23/2018	86.38	-	-	3685.24
				06/14/2018	86.82	-	-	3684.80
				09/24/2018	87.36	-	-	3684.26
				12/17/2018	87.82	-	-	3683.80
				03/21/2019	87.92	-	-	3683.70
				06/24/2019	88.37	-	-	3683.25
				09/11/2019	88.78	-	-	3682.84
				12/12/2019	89.31	-	-	3682.31
				03/16/2020	89.56	-	-	3682.06
				06/17/2020	89.83	-	-	3681.79
				09/15/2020	90.45	-	-	3681.17
				12/07/2020	90.87	-	-	3680.75
				03/08/2021	91.43	-	-	3680.19
				06/23/2021	91.60	-	-	3680.02
				09/10/2021	92.10	-	-	3679.52
				12/07/2021	92.60	-	-	3679.02
				03/08/2022	92.90	-	-	3678.72
				06/13/2022	93.30	-	-	3678.32
				09/06/2022	93.85	-	-	3677.77
				12/14/2022	94.36	-	-	3677.26
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-15 4"	3,771.49	53	93	03/24/2016	82.82	82.54	0.28	3688.90
				06/20/2016	82.19	81.98	0.21	3689.48
				09/28/2016	83.73	-	-	3687.76
				12/13/2016	84.05	-	-	3687.44
				03/16/2017	84.25	-	-	3687.24
				06/05/2017	84.63	-	-	3686.86
				09/19/2017	85.09	-	-	3686.40
				12/13/2017	85.42	-	-	3686.07
				03/23/2018	85.70	85.69	0.01	3685.80
				06/14/2018	86.20	86.15	0.05	3685.33
				09/24/2018	86.69	86.68	0.01	3684.81
				12/17/2018	87.12	87.11	0.01	3684.38
				03/21/2019	87.31	87.30	0.01	3684.19
				06/24/2019	87.85	87.70	0.15	3683.77
				09/16/2019	88.26	88.20	0.06	3683.28
				12/12/2019	88.77	88.73	0.04	3682.75
				03/16/2020	89.04	88.90	0.14	3682.57
				06/18/2020	89.40	89.22	0.18	3682.24
				09/17/2020	DR	-	-	-
				12/08/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/25/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-16 4"	3,769.23	55	95	03/24/2016	85.60	79.90	5.70	3688.39
				06/20/2016	81.88	81.30	0.58	3687.83
				09/28/2016	82.28	81.99	0.29	3687.19
				12/13/2016	82.43	82.39	0.04	3686.83
				03/16/2017	82.75	82.58	0.17	3686.62
				06/05/2017	82.98	-	-	3686.25
				09/19/2017	83.45	-	-	3685.78
				12/13/2017	83.81	-	-	3685.42
				03/23/2018	84.09	-	-	3685.14
				06/14/2018	84.53	-	-	3684.70
				09/24/2018	85.06	-	-	3684.17
				12/17/2018	85.50	-	-	3683.73
				03/21/2019	85.69	-	-	3683.54
				06/24/2019	86.10	-	-	3683.13
				09/11/2019	86.52	86.44	0.08	3682.78
				12/12/2019	87.41	87.00	0.41	3682.16
				03/16/2020	87.50	87.28	0.22	3681.91
				06/18/2020	87.80	87.57	0.23	3681.62
				09/15/2020	88.31	88.10	0.21	3681.10
				12/07/2020	88.65	88.58	0.07	3680.64
				03/08/2021	88.98	88.93	0.05	3680.29
				06/23/2021	89.37	89.35	0.02	3679.88
				09/10/2021	89.82	89.80	0.02	3679.43
				12/07/2021	90.33	90.32	0.01	3678.91
				03/08/2022	90.67	90.65	0.02	3678.58
				06/14/2022	91.05	91.04	0.01	3678.19
				09/06/2022	91.57	91.56	0.01	3677.67
				12/14/2022	92.07	92.06	0.01	3677.17
				03/14/2023	92.46	92.45	0.01	3676.78
				06/14/2023	93.00	92.95	0.05	3676.27
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-17 4"	3,767.45	48	88	03/24/2016	77.18	-	-	3690.27
				06/20/2016	77.62	-	-	3689.83
				09/28/2016	78.25	-	-	3689.20
				12/13/2016	78.60	-	-	3688.85
				03/16/2017	78.92	-	-	3688.53
				06/05/2017	79.25	-	-	3688.20
				09/19/2017	79.71	-	-	3687.74
				12/13/2017	80.14	-	-	3687.31
				03/23/2018	80.41	-	-	3687.04
				06/14/2018	80.80	-	-	3686.65
				09/24/2018	81.28	-	-	3686.17
				12/17/2018	81.74	-	-	3685.71
				03/21/2019	81.95	-	-	3685.50
				06/24/2019	82.34	-	-	3685.11
				09/11/2019	82.69	-	-	3684.76
				12/12/2019	83.25	-	-	3684.20
				03/16/2020	83.53	-	-	3683.92
				06/17/2020	83.80	-	-	3683.65
				09/14/2020	84.35	-	-	3683.10
				12/07/2020	84.77	-	-	3682.68
				03/08/2021	85.11	-	-	3682.34
				06/25/2021	86.91	-	-	3680.54
				09/10/2021	85.95	-	-	3681.50
				12/03/2021	86.40	-	-	3681.05
				03/08/2022	DR	-	-	-
				06/13/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-18 4"	3,769.79	48	88	03/24/2016	79.70	-	-	3690.09
				06/20/2016	80.18	-	-	3689.61
				09/28/2016	80.80	-	-	3688.99
				12/13/2016	81.16	-	-	3688.63
				03/16/2017	81.46	-	-	3688.33
				06/05/2017	81.79	-	-	3688.00
				09/19/2017	82.26	-	-	3687.53
				12/13/2017	82.64	-	-	3687.15
				03/23/2018	82.90	-	-	3686.89
				06/14/2018	83.31	-	-	3686.48
				09/24/2018	83.84	-	-	3685.95
				12/17/2018	84.32	-	-	3685.47
				03/21/2019	84.44	-	-	3685.35
				06/24/2019	84.86	-	-	3684.93
				09/11/2019	85.26	-	-	3684.53
				12/12/2019	85.80	-	-	3683.99
				03/16/2020	86.05	-	-	3683.74
				06/17/2020	86.33	-	-	3683.46
				09/14/2020	DR	-	-	-
				12/07/2020	DR	-	-	-
				03/08/2021	DR	-	-	-
				06/23/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/13/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-19 4"	3,773.35	48	88	03/24/2016	84.20	-	-	3689.15
				06/20/2016	84.70	-	-	3688.65
				09/28/2016	85.38	-	-	3687.97
				12/13/2016	85.67	-	-	3687.68
				03/16/2017	85.95	-	-	3687.40
				06/05/2017	86.35	-	-	3687.00
				09/19/2017	86.81	-	-	3686.54
				12/13/2017	87.18	-	-	3686.17
				03/23/2018	87.40	-	-	3685.95
				06/14/2018	87.85	-	-	3685.50
				09/24/2018	88.41	-	-	3684.94
				12/17/2018	88.86	-	-	3684.49
				03/21/2019	88.95	-	-	3684.40
				06/24/2019	89.40	-	-	3683.95
				09/11/2019	89.78	-	-	3683.57
				12/12/2019	90.33	-	-	3683.02
				03/16/2020	90.52	-	-	3682.83
				06/17/2020	90.82	-	-	3682.53
				09/15/2020	91.50	-	-	3681.85
				12/07/2020	91.87	-	-	3681.48
				03/08/2021	92.16	-	-	3681.19
				06/23/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/03/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/13/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-20 4"	3,773.11	54	94	03/24/2016	84.47	-	-	3688.64
				06/20/2016	84.96	-	-	3688.15
				09/28/2016	85.64	-	-	3687.47
				12/13/2016	85.92	-	-	3687.19
				03/16/2017	86.20	-	-	3686.91
				06/05/2017	86.60	-	-	3686.51
				09/19/2017	87.09	-	-	3686.02
				12/13/2017	87.43	-	-	3685.68
				03/23/2018	87.69	-	-	3685.42
				06/14/2018	88.11	-	-	3685.00
				09/24/2018	88.68	-	-	3684.43
				12/17/2018	89.14	-	-	3683.97
				03/21/2019	89.22	-	-	3683.89
				06/24/2019	89.67	-	-	3683.44
				09/11/2019	90.07	-	-	3683.04
				12/12/2019	90.63	-	-	3682.48
				03/16/2020	90.86	-	-	3682.25
				06/17/2020	91.10	-	-	3682.01
				09/15/2020	91.75	-	-	3681.36
				12/07/2020	92.16	-	-	3680.95
				03/08/2021	92.43	-	-	3680.68
				06/23/2021	DR	-	-	-
				09/10/2021	DR	-	-	-
				12/03/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/13/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-21 4"	3,767.35	50	90	03/24/2016	76.76	-	-	3690.59
				06/20/2016	77.22	-	-	3690.13
				09/28/2016	77.85	-	-	3689.50
				12/13/2016	78.21	-	-	3689.14
				03/16/2017	78.55	-	-	3688.80
				06/05/2017	78.86	-	-	3688.49
				09/19/2017	79.31	-	-	3688.04
				12/13/2017	79.73	-	-	3687.62
				03/23/2018	80.02	-	-	3687.33
				06/14/2018	80.41	-	-	3686.94
				09/24/2018	80.89	-	-	3686.46
				12/17/2018	81.41	-	-	3685.94
				03/21/2019	81.56	-	-	3685.79
				06/24/2019	81.95	-	-	3685.40
				09/11/2019	82.32	-	-	3685.03
				12/12/2019	82.86	-	-	3684.49
				03/16/2020	83.16	-	-	3684.19
				06/17/2020	83.40	-	-	3683.95
				09/14/2020	83.93	-	-	3683.42
				12/07/2020	84.35	-	-	3683.00
				03/08/2021	84.70	-	-	3682.65
				06/25/2021	85.16	-	-	3682.19
				09/10/2021	85.55	-	-	3681.80
				12/03/2021	85.95	-	-	3681.40
				03/08/2022	86.36	-	-	3680.99
				06/13/2022	86.76	-	-	3680.59
				09/06/2022	87.30	-	-	3680.05
				12/14/2022	87.76	-	-	3679.59
				03/14/2023	88.15	-	-	3679.20
				06/14/2023	88.59	-	-	3678.76
				09/14/2023	89.04	-	-	3678.31
				12/12/2023	89.57	-	-	3677.78
				03/07/2024	89.85	-	-	3677.50
				06/10/2024	90.23	-	-	3677.12
				09/10/2024	90.76	-	-	3676.59
				12/11/2024	91.19	-	-	3676.16
MW-22 4"	3,769.17	50	90	03/24/2016	78.61	-	-	3690.56
				06/20/2016	79.06	-	-	3690.11
				09/28/2016	79.67	-	-	3689.50
				12/13/2016	80.02	-	-	3689.15
				03/16/2017	80.32	-	-	3688.85
				06/05/2017	80.67	-	-	3688.50
				09/19/2017	81.15	-	-	3688.02
				12/13/2017	81.54	-	-	3687.63
				03/23/2018	81.80	-	-	3687.37
				06/14/2018	82.22	-	-	3686.95
				09/24/2018	82.71	-	-	3686.46
				12/17/2018	83.15	-	-	3686.02
				03/21/2019	83.35	-	-	3685.82
				06/24/2019	83.74	-	-	3685.43
				09/11/2019	84.14	-	-	3685.03
				12/12/2019	84.68	-	-	3684.49
				03/16/2020	84.96	-	-	3684.21
				06/17/2020	85.21	-	-	3683.96
				09/14/2020	85.75	-	-	3683.42
				12/07/2020	86.17	-	-	3683.00
				03/08/2021	86.51	-	-	3682.66
				06/25/2021	86.96	-	-	3682.21
				09/10/2021	87.35	-	-	3681.82
				12/03/2021	87.80	-	-	3681.37
				03/08/2022	88.15	-	-	3681.02
				06/13/2022	88.58	-	-	3680.59
				09/06/2022	89.09	-	-	3680.08
				12/14/2022	89.57	-	-	3679.60
				03/14/2023	89.97	-	-	3679.20
				06/14/2023	90.39	-	-	3678.78
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-23 4"	3,771.00	55	95	03/24/2016	80.75	-	-	3690.25
				06/20/2016	81.22	-	-	3689.78
				09/28/2016	81.87	-	-	3689.13
				12/13/2016	82.20	-	-	3688.80
				03/16/2017	82.51	-	-	3688.49
				06/05/2017	82.87	-	-	3688.13
				09/19/2017	83.32	-	-	3687.68
				12/13/2017	83.71	-	-	3687.29
				03/23/2018	83.97	-	-	3687.03
				06/14/2018	84.20	-	-	3686.80
				09/24/2018	84.92	-	-	3686.08
				12/17/2018	85.35	-	-	3685.65
				03/21/2019	85.52	-	-	3685.48
				06/24/2019	85.93	-	-	3685.07
				09/11/2019	86.33	-	-	3684.67
				12/12/2019	88.88	-	-	3682.12
				03/16/2020	87.12	-	-	3683.88
				06/17/2020	87.33	-	-	3683.67
				09/14/2020	87.93	-	-	3683.07
				12/07/2020	88.38	-	-	3682.62
				03/08/2021	88.68	-	-	3682.32
				06/23/2021	89.10	-	-	3681.90
				09/10/2021	89.56	-	-	3681.44
				12/03/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/13/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-24 4"	3,770.97	50	90	03/24/2016	85.10	80.91	4.19	3689.37
				06/20/2016	85.76	81.40	4.36	3688.85
				09/28/2016	86.29	82.16	4.13	3688.13
				12/13/2016	85.82	82.64	3.18	3687.81
				03/16/2017	87.70	82.56	5.14	3687.56
				06/05/2017	86.75	83.20	3.55	3687.18
				09/19/2017	89.00	83.35	5.65	3686.69
				12/13/2017	85.27	84.60	0.67	3686.26
				03/23/2018	86.07	84.71	1.36	3686.04
				06/14/2018	88.20	84.95	3.25	3685.48
				09/24/2018	88.42	86.24	2.18	3684.37
				12/17/2018	89.69	85.65	4.04	3684.65
				03/21/2019	89.41	85.93	3.48	3684.47
				06/24/2019	89.62	86.38	3.24	3684.06
				09/16/2019	87.43	86.95	0.48	3683.94
				12/12/2019	89.90	87.53	2.37	3683.05
				03/16/2020	88.15	88.13	0.02	3682.84
				06/18/2020	88.57	88.45	0.12	3682.50
				09/17/2020	89.10	89.01	0.09	3681.95
				12/08/2020	89.52	89.49	0.03	3681.48
				03/08/2021	89.79	89.78	0.01	3681.19
				06/25/2021	90.24	90.21	0.03	3680.76
				09/10/2021	90.69	90.64	0.05	3680.32
				12/07/2021	91.11	91.10	0.01	3679.87
				03/08/2022	91.65	91.40	0.25	3679.53
				06/14/2022	91.90	91.89	0.01	3679.08
				09/06/2022	92.40	92.39	0.01	3678.58
				12/14/2022	92.84	92.83	0.01	3678.14
				03/14/2023	93.25	93.24	0.01	3677.73
				06/14/2023	93.72	-	-	3677.25
				09/14/2023	94.16	94.15	0.01	3676.82
				12/12/2023	94.63	94.62	0.01	3676.35
				03/07/2024	94.95	94.94	0.01	3676.03
				06/10/2024	95.36	95.35	0.01	3675.62
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-25 4"	3,770.54	55	95	03/24/2016	84.76	80.38	4.38	3689.44
				06/20/2016	85.03	80.90	4.13	3688.96
				09/28/2016	85.90	81.61	4.29	3688.22
				12/13/2016	NL	-	-	-
				03/16/2017	87.34	81.98	5.36	3687.68
				06/05/2017	83.75	83.17	0.58	3687.27
				09/19/2017	84.30	83.61	0.69	3686.82
				12/13/2017	84.22	84.06	0.16	3686.45
				03/23/2018	84.53	84.23	0.30	3686.26
				06/14/2018	85.01	84.80	0.21	3685.71
				09/24/2018	85.34	85.33	0.01	3685.21
				12/17/2018	85.80	85.75	0.05	3684.78
				03/21/2019	85.93	85.91	0.02	3684.63
				06/24/2019	86.41	86.35	0.06	3684.18
				09/16/2019	87.10	86.80	0.30	3683.69
				12/12/2019	87.90	87.27	0.63	3683.17
				03/16/2020	88.57	87.32	1.25	3683.01
				06/18/2020	89.60	87.52	2.08	3682.68
				09/17/2020	90.57	88.00	2.57	3682.12
				12/08/2020	90.47	88.64	1.83	3681.60
				03/08/2021	90.64	88.91	1.73	3681.34
				06/25/2021	91.41	89.27	2.14	3680.92
				09/10/2021	90.05	90.02	0.03	3680.52
				12/07/2021	90.46	90.45	0.01	3680.09
				03/08/2022	91.30	90.75	0.55	3679.70
				06/14/2022	91.76	91.20	0.56	3679.25
				09/06/2022	92.34	91.73	0.61	3678.71
				12/14/2022	92.25	92.01	0.24	3678.49
				03/14/2023	92.65	92.64	0.01	3677.90
				06/14/2023	91.01	-	-	3679.53
				09/14/2023	93.56	93.55	0.01	3676.99
				12/12/2023	94.02	94.01	0.01	3676.53
				03/07/2024	94.33	94.32	0.01	3676.22
				06/10/2024	94.75	94.74	0.01	3675.80
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-26 4"	3,772.89	55	95	03/24/2016	83.30	-	-	3689.59
				06/20/2016	83.80	-	-	3689.09
				09/28/2016	84.40	-	-	3688.49
				12/13/2016	84.75	-	-	3688.14
				03/16/2017	85.04	-	-	3687.85
				06/05/2017	85.41	-	-	3687.48
				09/19/2017	85.87	-	-	3687.02
				12/13/2017	86.25	-	-	3686.64
				03/23/2018	86.50	-	-	3686.39
				06/14/2018	86.95	-	-	3685.94
				09/24/2018	87.48	-	-	3685.41
				12/17/2018	87.90	-	-	3684.99
				03/21/2019	88.05	-	-	3684.84
				06/24/2019	88.48	-	-	3684.41
				09/11/2019	89.87	-	-	3683.02
				12/12/2019	89.40	-	-	3683.49
				03/16/2020	89.68	-	-	3683.21
				06/17/2020	89.90	-	-	3682.99
				09/14/2020	90.51	-	-	3682.38
				12/07/2020	90.93	-	-	3681.96
				03/08/2021	91.23	-	-	3681.66
				06/23/2021	91.68	-	-	3681.21
				09/10/2021	92.15	-	-	3680.74
				12/03/2021	92.80	-	-	3680.09
				03/08/2022	92.93	-	-	3679.96
				06/13/2022	93.35	-	-	3679.54
				09/06/2022	93.90	-	-	3678.99
				12/14/2022	94.38	-	-	3678.51
				03/14/2023	94.74	-	-	3678.15
				06/14/2023	95.21	-	-	3677.68
				09/14/2023	95.65	-	-	3677.24
				12/12/2023	96.14	-	-	3676.75
				03/07/2024	96.44	-	-	3676.45
				06/10/2024	96.84	-	-	3676.05
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-27 4"	3,774.53	55	95	03/24/2016	86.82	-	-	3687.71
				06/20/2016	86.85	-	-	3687.68
				09/28/2016	87.52	-	-	3687.01
				12/13/2016	87.80	-	-	3686.73
				03/16/2017	88.08	-	-	3686.45
				06/05/2017	88.49	-	-	3686.04
				09/19/2017	88.95	-	-	3685.58
				12/13/2017	89.31	-	-	3685.22
				03/23/2018	89.55	-	-	3684.98
				06/14/2018	90.01	-	-	3684.52
				09/24/2018	90.58	-	-	3683.95
				12/17/2018	90.98	-	-	3683.55
				03/21/2019	91.09	-	-	3683.44
				06/24/2019	91.56	-	-	3682.97
				09/11/2019	92.00	-	-	3682.53
				12/12/2019	92.52	-	-	3682.01
				03/16/2020	92.75	-	-	3681.78
				06/17/2020	93.00	-	-	3681.53
				09/15/2020	93.65	-	-	3680.88
				12/07/2020	94.07	-	-	3680.46
				03/08/2021	94.33	-	-	3680.20
				06/23/2021	94.83	-	-	3679.70
				09/10/2021	95.30	-	-	3679.23
				12/07/2021	95.80	-	-	3678.73
				03/08/2022	96.10	-	-	3678.43
				06/13/2022	96.51	-	-	3678.02
				09/06/2022	97.07	-	-	3677.46
				12/14/2022	97.57	-	-	3676.96
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	98.04	-	-	3676.49
				03/07/2024	98.02	-	-	3676.51
				06/10/2024	98.02	-	-	3676.51
				09/10/2024	98.04	-	-	3676.49
				12/11/2024	98.03	-	-	3676.50
MW-28 4"	3,772.18	55	95	03/24/2016	84.20	-	-	3687.98
				06/20/2016	84.70	-	-	3687.48
				09/28/2016	85.35	-	-	3686.83
				12/13/2016	85.68	-	-	3686.50
				03/16/2017	85.93	-	-	3686.25
				06/05/2017	86.32	-	-	3685.86
				09/19/2017	86.79	-	-	3685.39
				12/13/2017	87.18	-	-	3685.00
				03/23/2018	87.42	-	-	3684.76
				06/14/2018	87.90	-	-	3684.28
				09/24/2018	88.41	-	-	3683.77
				12/17/2018	88.89	-	-	3683.29
				03/21/2019	88.99	-	-	3683.19
				06/24/2019	89.42	-	-	3682.76
				09/11/2019	89.84	-	-	3682.34
				12/12/2019	90.39	-	-	3681.79
				03/16/2020	90.64	-	-	3681.54
				06/17/2020	90.91	-	-	3681.27
				09/15/2020	91.50	-	-	3680.68
				12/07/2020	91.96	-	-	3680.22
				03/08/2021	91.22	-	-	3680.96
				06/23/2021	92.68	-	-	3679.50
				09/10/2021	DR	-	-	-
				12/07/2021	DR	-	-	-
				03/08/2022	DR	-	-	-
				06/13/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-29 4"	3,769.79	55	96	03/24/2016	81.91	-	-	3687.88
				06/20/2016	82.40	-	-	3687.39
				09/28/2016	83.05	-	-	3686.74
				12/13/2016	83.37	-	-	3686.42
				03/16/2017	83.65	-	-	3686.14
				06/05/2017	84.01	-	-	3685.78
				09/19/2017	84.50	-	-	3685.29
				12/13/2017	84.88	-	-	3684.91
				03/23/2018	85.15	-	-	3684.64
				06/14/2018	85.57	-	-	3684.22
				09/24/2018	86.50	-	-	3683.29
				12/17/2018	86.55	-	-	3683.24
				03/21/2019	86.71	-	-	3683.08
				06/24/2019	87.13	-	-	3682.66
				09/11/2019	87.56	-	-	3682.23
				12/12/2019	88.08	-	-	3681.71
				03/16/2020	88.35	-	-	3681.44
				06/18/2020	88.65	-	-	3681.14
				09/15/2020	89.20	-	-	3680.59
				12/07/2020	89.64	-	-	3680.15
				03/08/2021	OB	-	-	-
				06/23/2021	OB	-	-	-
				09/10/2021	OB	-	-	-
				09/30/2021	90.90	-	-	3678.89
				12/07/2021	91.40	-	-	3678.39
				03/08/2022	91.70	-	-	3678.09
				06/13/2022	92.09	-	-	3677.70
				09/06/2022	92.64	-	-	3677.15
				12/14/2022	93.18	-	-	3676.61
				03/14/2023	93.51	-	-	3676.28
				06/14/2023	93.99	-	-	3675.80
				09/14/2023	94.45	-	-	3675.34
				12/12/2023	94.96	-	-	3674.83
				03/07/2024	95.24	-	-	3674.55
				06/10/2024	95.66	-	-	3674.13
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-30 4"	3,766.52	61	91	03/24/2016	81.80	75.78	6.02	3689.75
				06/20/2016	81.56	75.42	6.14	3690.09
				09/28/2016	80.55	77.37	3.18	3688.63
				12/14/2016	80.22	77.88	2.34	3688.25
				03/16/2017	80.35	78.18	2.17	3687.98
				06/05/2017	80.32	78.58	1.74	3687.65
				09/19/2017	80.04	79.22	0.82	3687.16
				12/13/2017	80.29	79.60	0.69	3686.81
				03/23/2018	81.09	79.80	1.29	3686.51
				06/14/2018	83.30	79.87	3.43	3686.08
				09/24/2018	83.50	80.32	3.18	3685.68
				12/17/2018	84.84	80.68	4.16	3685.15
				03/21/2019	83.84	81.18	2.66	3684.90
				06/24/2019	OB	-	-	-
				09/11/2019	OB	-	-	-
				12/12/2019	84.90	82.50	2.40	3683.62
				03/16/2020	85.60	82.73	2.87	3683.32
				06/17/2020	86.26	82.90	3.36	3683.07
				09/17/2020	86.80	83.42	3.38	3682.54
				12/07/2020	87.23	83.86	3.37	3682.10
				03/08/2021	86.72	84.43	2.29	3681.71
				06/23/2021	85.40	85.17	0.23	3681.31
				09/10/2021	86.04	85.56	0.48	3680.88
				12/07/2021	86.65	85.95	0.70	3680.45
				03/08/2022	86.33	86.32	0.01	3680.20
				06/14/2022	87.49	86.76	0.73	3679.64
				09/06/2022	87.64	87.21	0.43	3679.24
				12/14/2022	87.64	87.61	0.03	3678.91
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-31 4"	3,766.45	60	90	03/24/2016	83.58	75.68	7.90	3689.47
				06/20/2016	83.72	75.81	7.91	3689.33
				09/28/2016	84.04	76.96	7.08	3688.32
				12/14/2016	83.10	77.56	5.54	3687.98
				03/16/2017	85.10	77.45	7.65	3687.74
				06/05/2017	85.15	77.84	7.31	3687.40
				09/19/2017	85.90	78.39	7.51	3686.82
				12/13/2017	84.11	79.10	5.01	3686.52
				03/23/2018	81.83	79.93	1.90	3686.21
				06/14/2018	80.00	79.70	0.30	3686.70
				09/24/2018	85.17	80.35	4.82	3685.30
				12/17/2018	84.80	80.80	4.00	3684.99
				03/21/2019	85.44	81.12	4.32	3684.62
				06/24/2019	85.95	81.58	4.37	3684.15
				09/11/2019	84.80	82.06	2.74	3683.94
				12/12/2019	85.43	82.75	2.68	3683.26
				03/16/2020	85.55	83.00	2.55	3683.03
				06/17/2020	85.76	83.35	2.41	3682.70
				09/17/2020	86.00	83.90	2.10	3682.20
				12/07/2020	86.01	84.23	1.78	3681.93
				03/08/2021	86.13	84.66	1.47	3681.55
				06/23/2021	85.57	85.45	0.12	3680.98
				09/10/2021	86.05	85.90	0.15	3680.53
				12/07/2021	86.50	85.95	0.55	3680.41
				03/08/2022	DR	-	-	-
				06/14/2022	DR	-	-	-
				09/06/2022	DR	-	-	-
				12/14/2022	DR	-	-	-
				03/14/2023	DR	-	-	-
				06/14/2023	DR	-	-	-
				09/14/2023	DR	-	-	-
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-
MW-32 4"	3,766.75	60	90	03/24/2016	83.85	76.42	7.43	3689.10
				06/20/2016	83.43	76.82	6.61	3688.84
				09/28/2016	83.95	77.74	6.21	3687.99
				12/14/2016	84.08	78.18	5.90	3687.60
				03/16/2017	84.70	78.30	6.40	3687.39
				06/05/2017	84.71	78.75	5.96	3687.02
				09/19/2017	86.35	79.00	7.35	3686.54
				12/13/2017	85.33	76.95	8.38	3688.42
				03/23/2018	85.75	79.93	5.82	3685.86
				06/14/2018	81.13	80.11	1.02	3686.47
				09/24/2018	84.20	80.64	3.56	3685.52
				12/17/2018	88.15	81.11	7.04	3684.48
				03/21/2019	88.29	81.34	6.95	3684.26
				06/24/2019	88.73	81.70	7.03	3683.89
				09/11/2019	88.85	82.26	6.59	3683.40
				12/12/2019	85.48	83.54	1.94	3682.89
				03/16/2020	86.25	83.70	2.55	3682.63
				06/17/2020	87.27	83.65	3.62	3682.50
				09/17/2020	89.15	84.08	5.07	3681.83
				12/07/2020	89.51	84.54	4.97	3681.39
				03/08/2021	87.13	85.43	1.70	3681.04
				06/23/2021	87.24	85.60	1.64	3680.88
				09/10/2021	90.00	85.66	4.34	3680.37
				12/07/2021	88.55	86.75	1.80	3679.70
				03/08/2022	90.51	86.80	3.71	3679.34
				06/14/2022	90.30	87.32	2.98	3678.94
				09/06/2022	91.35	87.70	3.65	3678.45
				12/14/2022	89.50	88.69	0.81	3677.93
				03/14/2023	90.37	89.00	1.37	3677.52
				06/14/2023	90.86	89.45	1.41	3677.07
				09/14/2023	91.29	89.90	1.39	3676.62
				12/12/2023	91.77	90.38	1.39	3676.14
				03/07/2024	92.15	90.73	1.42	3675.79
				06/10/2024	92.38	91.05	1.33	3675.48
				09/10/2024	92.02	91.19	0.83	3675.42
				12/11/2024	92.02	91.50	0.52	3675.16

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-33 4"	3,767.44	60	90	03/24/2016	NL	-	-	-
				06/20/2016	85.01	77.95	7.06	3688.33
				09/28/2016	82.56	79.32	3.24	3687.59
				12/14/2016	83.23	79.60	3.63	3687.24
				03/16/2017	85.40	79.45	5.95	3687.01
				06/05/2017	84.85	79.98	4.87	3686.66
				09/19/2017	86.32	80.26	6.06	3686.18
				12/13/2017	83.85	81.20	2.65	3685.80
				03/23/2018	NL	-	-	-
				06/14/2018	NL	-	-	-
				09/24/2018	88.35	81.80	6.55	3684.56
				12/17/2018	88.35	82.30	6.05	3684.14
				03/21/2019	87.57	82.58	4.99	3684.04
				06/24/2019	88.79	82.95	5.84	3683.53
				09/11/2019	88.89	83.39	5.50	3683.14
				12/12/2019	85.13	84.86	0.27	3682.54
				03/16/2020	85.17	85.15	0.02	3682.29
				06/17/2020	85.60	85.44	0.16	3681.97
				09/17/2020	86.17	86.05	0.12	3681.37
				12/07/2020	86.72	86.42	0.30	3680.97
				03/08/2021	87.13	85.43	1.70	3681.04
				06/23/2021	87.24	85.60	1.64	3680.88
				09/10/2021	90.00	85.66	4.34	3680.37
				12/07/2021	88.55	86.75	1.80	3679.70
				03/08/2022	88.57	88.55	0.02	3678.89
				06/14/2022	89.24	88.85	0.39	3678.53
				09/06/2022	89.70	89.37	0.33	3678.02
				12/14/2022	89.86	89.85	0.01	3677.59
				03/14/2023	90.72	90.25	0.47	3677.11
				06/14/2023	91.05	90.72	0.33	3676.67
				09/14/2023	91.52	91.17	0.35	3676.21
				12/12/2023	91.98	91.64	0.34	3675.74
				03/07/2024	92.35	91.98	0.37	3675.40
				06/10/2024	92.73	92.39	0.34	3674.99
				09/10/2024	93.29	92.94	0.35	3674.44
				12/11/2024	93.41	93.36	0.05	3674.07
MW-34 4"	3,766.32	59.4	89.4	03/24/2016	76.85	-	-	3689.47
				06/20/2016	77.30	-	-	3689.02
				09/28/2016	77.90	-	-	3688.42
				12/13/2016	78.28	-	-	3688.04
				03/16/2017	78.60	-	-	3687.72
				06/05/2017	79.90	-	-	3686.42
				09/19/2017	79.36	-	-	3686.96
				12/13/2017	79.76	-	-	3686.56
				03/23/2018	83.10	-	-	3683.22
				06/14/2018	80.45	-	-	3685.87
				09/24/2018	80.90	-	-	3685.42
				12/17/2018	81.40	-	-	3684.92
				03/21/2019	81.67	-	-	3684.65
				06/24/2019	81.99	-	-	3684.33
				09/16/2019	82.50	-	-	3683.82
				12/12/2019	82.92	-	-	3683.40
				03/16/2020	83.22	-	-	3683.10
				06/17/2020	83.51	-	-	3682.81
				09/16/2020	84.05	-	-	3682.27
				12/07/2020	84.47	-	-	3681.85
				03/08/2021	84.83	-	-	3681.49
				06/23/2021	85.26	-	-	3681.06
				09/10/2021	85.66	-	-	3680.66
				12/07/2021	86.10	-	-	3680.22
				03/08/2022	86.53	-	-	3679.79
				06/13/2022	86.90	-	-	3679.42
				09/06/2022	87.35	-	-	3678.97
				12/14/2022	87.94	-	-	3678.38
				03/14/2023	88.31	-	-	3678.01
				06/14/2023	88.73	-	-	3677.59
				09/14/2023	89.21	-	-	3677.11
				12/12/2023	DR	-	-	-
				03/07/2024	DR	-	-	-
				06/10/2024	DR	-	-	-
				09/10/2024	DR	-	-	-
				12/11/2024	DR	-	-	-

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-35 4"	3,765.67	61.1	91.1	03/24/2016	76.71	-	-	3688.96
				06/20/2016	77.18	-	-	3688.49
				09/28/2016	77.79	-	-	3687.88
				12/13/2016	78.18	-	-	3687.49
				03/16/2017	78.48	-	-	3687.19
				06/05/2017	78.80	-	-	3686.87
				09/19/2017	79.25	-	-	3686.42
				12/13/2017	79.66	-	-	3686.01
				03/23/2018	79.96	-	-	3685.71
				06/14/2018	80.35	-	-	3685.32
				09/24/2018	80.84	-	-	3684.83
				12/17/2018	81.35	-	-	3684.32
				03/21/2019	81.57	-	-	3684.10
				06/24/2019	81.90	-	-	3683.77
				09/16/2019	82.35	-	-	3683.32
				12/12/2019	82.85	-	-	3682.82
				03/16/2020	83.13	-	-	3682.54
				06/17/2020	83.44	-	-	3682.23
				09/16/2020	83.95	-	-	3681.72
				12/07/2020	84.38	-	-	3681.29
				03/08/2021	84.72	-	-	3680.95
				06/23/2021	85.15	-	-	3680.52
				09/10/2021	85.58	-	-	3680.09
				12/07/2021	86.00	-	-	3679.67
				03/08/2022	86.45	-	-	3679.22
				06/13/2022	86.83	-	-	3678.84
				09/06/2022	87.30	-	-	3678.37
				12/14/2022	88.85	-	-	3676.82
				03/14/2023	88.23	-	-	3677.44
				06/14/2023	88.66	-	-	3677.01
				09/14/2023	89.14	-	-	3676.53
				12/12/2023	89.64	-	-	3676.03
				03/07/2024	89.95	-	-	3675.72
				06/10/2024	90.37	-	-	3675.30
				09/10/2024	90.78	-	-	3674.89
				12/11/2024	91.20	-	-	3674.47
MW-36 4"	3,765.37	61.4	91.4	03/24/2016	76.91	-	-	3688.46
				06/20/2016	77.35	-	-	3688.02
				09/28/2016	78.00	-	-	3687.37
				12/13/2016	78.37	-	-	3687.00
				03/16/2017	78.67	-	-	3686.70
				06/05/2017	79.01	-	-	3686.36
				09/19/2017	79.46	-	-	3685.91
				12/13/2017	79.87	-	-	3685.50
				03/23/2018	80.16	-	-	3685.21
				06/14/2018	80.56	-	-	3684.81
				09/24/2018	81.05	-	-	3684.32
				12/17/2018	81.56	-	-	3683.81
				03/21/2019	81.79	-	-	3683.58
				06/24/2019	82.14	-	-	3683.23
				09/16/2019	82.55	-	-	3682.82
				12/12/2019	83.06	-	-	3682.31
				03/16/2020	83.32	-	-	3682.05
				06/17/2020	83.65	-	-	3681.72
				09/16/2020	84.17	-	-	3681.20
				12/07/2020	84.61	-	-	3680.76
				03/08/2021	84.93	-	-	3680.44
				06/23/2021	85.39	-	-	3679.98
				09/10/2021	85.81	-	-	3679.56
				12/07/2021	86.30	-	-	3679.07
				03/08/2022	86.67	-	-	3678.70
				06/13/2022	87.06	-	-	3678.31
				09/06/2022	87.58	-	-	3677.79
				12/14/2022	88.10	-	-	3677.27
				03/14/2023	88.48	-	-	3676.89
				06/14/2023	88.94	-	-	3676.43
				09/14/2023	89.39	-	-	3675.98
				12/12/2023	89.92	-	-	3675.45
				03/07/2024	90.20	-	-	3675.17
				06/10/2024	90.62	-	-	3674.75
				09/10/2024	91.15	-	-	3674.22
				12/11/2024	91.82	-	-	3673.55

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-37 4"	3,772.66	73	103	03/24/2016	85.33	-	-	3687.33
				06/20/2016	85.86	-	-	3686.80
				09/28/2016	86.50	-	-	3686.16
				12/13/2016	86.81	-	-	3685.85
				03/16/2017	87.07	-	-	3685.59
				06/05/2017	87.37	-	-	3685.29
				09/19/2017	87.92	-	-	3684.74
				12/13/2017	88.32	-	-	3684.34
				03/23/2018	88.56	-	-	3684.10
				06/14/2018	89.03	-	-	3683.63
				09/24/2018	89.59	-	-	3683.07
				12/17/2018	89.90	-	-	3682.76
				03/21/2019	90.10	-	-	3682.56
				06/24/2019	90.08	-	-	3682.58
				09/11/2019	91.02	-	-	3681.64
				12/12/2019	91.52	-	-	3681.14
				03/16/2020	91.78	-	-	3680.88
				06/17/2020	92.05	-	-	3680.61
				09/15/2020	92.67	-	-	3679.99
				12/07/2020	93.14	-	-	3679.52
				03/08/2021	93.35	-	-	3679.31
				06/23/2021	93.87	-	-	3678.79
				09/10/2021	94.35	-	-	3678.31
				12/07/2021	94.90	-	-	3677.76
				03/08/2022	95.15	-	-	3677.51
				06/13/2022	95.55	-	-	3677.11
				09/06/2022	96.18	-	-	3676.48
				12/14/2022	96.70	-	-	3675.96
				03/14/2023	97.00	-	-	3675.66
				06/14/2023	97.49	-	-	3675.17
				09/14/2023	97.96	-	-	3674.70
				12/12/2023	98.46	-	-	3674.20
				03/07/2024	98.74	-	-	3673.92
				06/10/2024	99.15	-	-	3673.51
				09/10/2024	99.71	-	-	3672.95
				12/11/2024	100.17	-	-	3672.49
MW-38 4"	3,769.96	73	103	03/24/2016	82.52	-	-	3687.44
				06/20/2016	83.02	-	-	3686.94
				09/28/2016	83.67	-	-	3686.29
				12/13/2016	84.02	-	-	3685.94
				03/16/2017	84.27	-	-	3685.69
				06/05/2017	84.66	-	-	3685.30
				09/19/2017	85.10	-	-	3684.86
				12/13/2017	85.53	-	-	3684.43
				03/23/2018	85.79	-	-	3684.17
				06/14/2018	86.21	-	-	3683.75
				09/24/2018	88.74	-	-	3681.22
				12/17/2018	91.68	-	-	3678.28
				03/21/2019	87.35	-	-	3682.61
				06/24/2019	87.80	-	-	3682.16
				09/11/2019	88.19	-	-	3681.77
				12/12/2019	88.72	-	-	3681.24
				03/16/2020	89.00	-	-	3680.96
				06/18/2020	89.35	-	-	3680.61
				09/15/2020	89.85	-	-	3680.11
				12/07/2020	90.30	-	-	3679.66
				03/08/2021	90.58	-	-	3679.38
				06/23/2021	91.08	-	-	3678.88
				09/10/2021	91.55	-	-	3678.41
				12/07/2021	90.20	-	-	3679.76
				03/08/2022	92.37	-	-	3677.59
				06/13/2022	92.77	-	-	3677.19
				09/06/2022	93.31	-	-	3676.65
				12/14/2022	93.88	-	-	3676.08
				03/14/2023	94.22	-	-	3675.74
				06/14/2023	94.70	-	-	3675.26
				09/14/2023	95.15	-	-	3674.81
				12/12/2023	95.68	-	-	3674.28
				03/07/2024	95.96	-	-	3674.00
				06/10/2024	96.39	-	-	3673.57
				09/10/2024	96.92	-	-	3673.04
				12/11/2024	97.39	-	-	3672.57

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-39 4"	3,768.99	85	105	09/24/2018	91.21	-	-	3677.78
				12/17/2018	86.71	-	-	3682.28
				03/21/2019	86.92	-	-	3682.07
				06/24/2019	87.28	-	-	3681.71
				09/17/2019	87.73	-	-	3681.26
				12/12/2019	88.23	-	-	3680.76
				03/16/2020	88.50	-	-	3680.49
				06/18/2020	88.84	-	-	3680.15
				09/16/2020	89.35	-	-	3679.64
				12/07/2020	89.84	-	-	3679.15
				03/08/2021	90.12	-	-	3678.87
				06/23/2021	90.63	-	-	3678.36
				09/10/2021	91.04	-	-	3677.95
				12/07/2021	91.55	-	-	3677.44
				03/08/2022	91.17	-	-	3677.82
				06/13/2022	92.30	-	-	3676.69
				09/06/2022	92.87	-	-	3676.12
				12/14/2022	93.42	-	-	3675.57
				03/14/2023	93.78	-	-	3675.21
				06/14/2023	94.23	-	-	3674.76
				09/14/2023	94.71	-	-	3674.28
				12/12/2023	95.23	-	-	3673.76
				03/07/2024	95.53	-	-	3673.46
				06/10/2024	95.94	-	-	3673.05
				09/10/2024	96.48	-	-	3672.51
				12/11/2024	96.95	-	-	3672.04
MW-40 4"	3,773.47	85	105	09/24/2018	86.21	-	-	3687.26
				12/17/2018	86.71	-	-	3686.76
				03/21/2019	91.77	-	-	3681.70
				06/24/2019	92.25	-	-	3681.22
				09/11/2019	92.66	-	-	3680.81
				12/12/2019	93.17	-	-	3680.30
				03/16/2020	93.34	-	-	3680.13
				06/18/2020	93.75	-	-	3679.72
				09/15/2020	94.30	-	-	3679.17
				12/07/2020	94.78	-	-	3678.69
				03/08/2021	98.98	-	-	3674.49
				06/23/2021	95.51	-	-	3677.96
				09/10/2021	96.03	-	-	3677.44
				12/07/2021	96.55	-	-	3676.92
				03/08/2022	96.90	-	-	3676.57
				06/13/2022	97.23	-	-	3676.24
				09/06/2022	97.83	-	-	3675.64
				12/14/2022	98.36	-	-	3675.11
				03/14/2023	98.68	-	-	3674.79
				06/14/2023	99.17	-	-	3674.30
				09/14/2023	99.63	-	-	3673.84
				12/12/2023	100.17	-	-	3673.30
				03/07/2024	100.43	-	-	3673.04
				06/10/2024	100.85	-	-	3672.62
				09/10/2024	101.41	-	-	3672.06
				12/11/2024	101.87	-	-	3671.60

Table 1 - Groundwater Gauging and NAPL Thickness - Historical
8" Moore to Jal #1
Lea County, NM
SRS #2002-10270

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-41 4"	3,766.15	85	105	09/24/2018	82.50	-	-	3683.65
				12/17/2018	83.01	-	-	3683.14
				03/21/2019	83.22	-	-	3682.93
				06/24/2019	83.58	-	-	3682.57
				09/16/2019	84.02	-	-	3682.13
				12/12/2019	84.52	-	-	3681.63
				03/16/2020	84.80	-	-	3681.35
				06/17/2020	85.13	-	-	3681.02
				09/16/2020	85.64	-	-	3680.51
				12/07/2020	86.10	-	-	3680.05
				03/08/2021	86.43	-	-	3679.72
				06/23/2021	86.87	-	-	3679.28
				09/10/2021	87.30	-	-	3678.85
				12/07/2021	87.75	-	-	3678.40
				03/08/2022	88.17	-	-	3677.98
				06/13/2022	88.55	-	-	3677.60
				09/06/2022	89.06	-	-	3677.09
				12/14/2022	89.60	-	-	3676.55
				03/14/2023	89.97	-	-	3676.18
				06/14/2023	90.45	-	-	3675.70
				09/14/2023	90.91	-	-	3675.24
				12/12/2023	91.42	-	-	3674.73
				03/07/2024	91.73	-	-	3674.42
				06/10/2024	92.17	-	-	3673.98
				09/10/2024	92.66	-	-	3673.49
				12/11/2024	93.13	-	-	3673.02

Specific Gravity: 0.75
Notes:
fmsl = feet above mean sea level
DR = Well dry
NG = Well not gauged
OB = Obstruction in well
PA = Well plugged and abandoned

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-13	09/21/2017	**0.568 D**	0.165	0.0860	0.154	0.973
	12/21/2017	**0.397 X**	0.0344 X	0.0201	0.0621	0.514
	03/28/2018	**3.07 D**	0.371	0.131	0.336	3.91
	06/14/2018	**2.18**	0.469	0.161	0.370	3.18
	03/27/2019	**0.0392**	0.0111	0.0309	0.0551	0.136
	06/27/2019	<0.000480	<0.000512	0.00660	0.00640	0.0130
	03/19/2020	**0.0404**	<0.000512	0.00200	0.00280	0.0452
	09/17/2020	**4.15 D**	0.00691	0.0347	0.0345	4.23
	12/09/2020	**3.03 D**	0.0649	0.157	0.2442	3.496
MW-14	03/28/2016	**0.0120**	0.00100	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	0.00150	<0.000621	<0.000763	0.00130	-
	12/13/2016	**0.0411**	<0.00100	<0.000657	<0.000642	-
	03/21/2017	**0.0520**	<0.000367	<0.000657	<0.000630	0.0520
	06/06/2017	**0.671 D**	0.00198 J	<0.000657	0.00300	0.676
	09/21/2017	**0.0411**	<0.00100	<0.000657	<0.000630	0.0411
	12/21/2017	0.00262	<0.000367	<0.000657	<0.000630	0.00262
	03/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/14/2018	0.00230	<0.000512	<0.000616	<0.000270	0.00230
	09/26/2018	**0.0225**	0.00100 J	<0.000657	<0.000630	0.0235
	12/18/2018	**0.165**	0.000900 J	<0.000616	<0.000270	0.166
	03/26/2019	**0.0297**	<0.000500	<0.000500	<0.000500	0.0297
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	0.00771	<0.000657	<0.000630	0.00771
	12/13/2019	0.00392	0.000520	<0.000657	<0.000630	0.00444
	03/19/2020	**0.0123**	<0.000512	<0.000616	0.000900 J	0.0132
	06/19/2020	**0.0671**	0.000540 J	<0.000657	0.000900 J	0.0685
	09/15/2020	**0.0861**	<0.000367	0.00182 J	<0.000630	0.0879
	12/08/2020	0.00635	0.000530 J	<0.002000	<0.0006300	0.006880
	03/09/2021	**0.0363**	<0.00200	0.00214	<0.00200	0.0384
	06/24/2021	0.000451 J	0.000782 J	<0.00200	<0.00400	0.00123 J
	09/14/2021	0.00239	<0.00200	0.000943 J	0.000773 J	0.00411
	12/08/2021	0.00103 J	0.000679 J	<0.00200	<0.00400	0.00171 J
	03/09/2022	0.00165 J	<0.000367	<0.000657	0.00322 J	0.00487
	06/15/2022	**0.0160**	<0.000367	<0.000657	0.0178	0.0338
	09/07/2022	**3.65**	<0.000367	0.206	0.193	4.05
MW-15	09/21/2017	**0.296**	0.0640	0.0681	0.180	0.608
	12/21/2017	**0.307**	0.0848	0.0276	0.121	0.540
	03/28/2018	**0.0684**	0.0282	0.00910	0.0300	0.136
MW-16	09/21/2017	**13.1 D**	0.0610	0.143	0.185	13.5
	12/21/2017	**3.66 D**	0.0542	0.0532	0.103	3.87
	03/28/2018	**6.44 D**	0.0252	0.212	0.245	6.92
	06/14/2018	**9.38**	<0.0256	0.275	0.240	9.90
	09/26/2018	**9.24 D**	0.0161	0.207	0.187	9.65
	12/18/2018	**4.35**	<0.0102	0.114	0.0820	4.55
	03/26/2019	**9.85**	<0.0100	0.350	0.259	10.5
	06/27/2019	**3.54**	<0.0256	0.165	0.190	3.90

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-17	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	0.00125 J	0.00118 J	<0.000657	<0.000642	0.00243
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00319	<0.000367	<0.000657	<0.000630	0.00319
	06/14/2018	0.00150	<0.000512	<0.000616	<0.000270	0.00150
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/26/2019	0.000780	<0.000500	<0.000500	<0.000500	0.000780
	06/24/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/17/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/18/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/14/2020	0.00360	<0.000367	0.00166 J	<0.000630	0.00526
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
MW-18	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	0.00240	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	0.00113 J	0.00134 J	<0.000657	<0.000642	0.00247
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00106 J	<0.000367	<0.000657	<0.000630	0.00106 J
	06/14/2018	0.000600 J	<0.000512	<0.000616	<0.000270	0.000600 J
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/27/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
MW-19	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	0.00128 J	0.00153 J	<0.000657	<0.000642	0.00281
	09/21/2017	0.00178 J	<0.00100	0.000830 J	0.000660 J	0.00327
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	<0.000408	0.000700 J	<0.000657	<0.000630	0.000700 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/26/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/25/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/19/2020	**0.0109**	<0.000512	<0.000616	0.000600 J	0.0115
	06/19/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-20	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	0.00260	<0.000367	<0.000657	<0.000630	0.00260
	06/06/2017	0.00180 J	0.00189 J	<0.000657	<0.000642	0.00369
	09/21/2017	0.00286	<0.00100	0.00123 J	<0.000630	0.00409
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	<0.000408	0.000690 J	<0.000657	<0.000630	0.000690 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/26/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/25/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/19/2020	0.00220	<0.000512	<0.000616	<0.000270	0.00220
	06/19/2020	0.000920 J	<0.000367	<0.000657	<0.000630	0.000920 J
MW-21	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	0.00214	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00266	<0.000367	<0.000657	<0.000630	0.00266
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	0.00373	0.00294	<0.000657	<0.000630	0.00667
	12/18/2018	0.00680	0.00280	<0.000616	0.00210	0.0117
	03/25/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/17/2020	<0.000480	<0.000512	<0.000616	0.000500 J	0.000500 J
	06/18/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/14/2020	0.00117 J	<0.000367	<0.000657	<0.000630	0.00117 J
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/09/2021	0.00887	<0.00200	<0.00200	<0.00200	0.00887
	06/25/2021	<0.00200	0.000621 J	<0.00200	<0.00400	<0.00400
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	0.000496 J	<0.000657	<0.000642	<0.000657
	09/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	<0.000408	0.00110 J	<0.000657	<0.000642	0.00110 J
	06/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/13/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500
	03/07/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/10/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/10/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-22	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.254	<0.000657	<0.000630	0.254
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/25/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000480 K	<0.000512 K	<0.000616 K	<0.000270 K	<0.000270 K
	12/13/2019	0.00125	<0.000367	<0.000657	<0.000630	0.00125
	03/17/2020	<0.000480	<0.000512	<0.000616	0.000500 J	0.000500 J
	06/18/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/14/2020	0.00166 J	<0.000367	<0.000657	<0.000630	0.001660 J
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/09/2021	0.00424	<0.00200	<0.00200	<0.00200	0.00424
	06/25/2021	<0.00200	0.000591 J	<0.00200	<0.00400	<0.00400
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	0.000417 J	<0.000657	<0.000642	<0.000657
	09/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	<0.000408	0.000812 J	<0.000657	<0.000642	0.000812 J
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
MW-23	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00410	0.000710 J	<0.000657	<0.000630	0.00481
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.0345	<0.000657	<0.000630	0.0345
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/25/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	0.00170	<0.000367	<0.000657	<0.00063	0.00170
	03/17/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/19/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/14/2020	0.00177 J	<0.000367	0.000740 J	<0.000630	0.00251
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/24/2021	0.000415 J	0.000771 J	<0.00200	<0.00400	0.00119 J
MW-24	06/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	-

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-26	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	<0.000408	0.000630 J	<0.000657	<0.000630	0.000630 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.0172	<0.000657	<0.000630	0.0172
	12/18/2018	0.00320	<0.000512	<0.000616	<0.000270	0.00320
	03/25/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	0.000430	<0.000367	<0.000657	<0.000630	0.000430
	03/17/2020	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	06/19/2020	0.000410 J	<0.000367	<0.000657	<0.000630	0.000410 J
	09/14/2020	0.000860 J	<0.000367	<0.000657	<0.000630	0.000860 J
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/09/2021	0.00306	<0.00200	<0.00200	<0.00200	0.00306
	06/24/2021	<0.00200	0.000801 J	<0.00200	<0.00400	0.000801 J
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	<0.000408	<0.000367	<0.000657 *1	<0.000642 *1	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/13/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500
	03/07/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-27	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.000560 J	<0.000367	<0.000657	<0.000630	0.000560 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.0128	<0.000657	<0.000630	0.0128
	12/18/2018	0.00240	<0.000512	<0.000616	<0.000270	0.00240
	03/26/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/17/2019	<0.000408	0.00713	<0.000657	<0.000630	0.00713
	12/13/2019	**0.0375**	<0.000367	0.000850	0.00225	0.0406
	03/19/2020	0.00650	<0.000512	<0.000616	0.000600 J	0.00710
	06/22/2020	0.00119 J	<0.000367	<0.000657	<0.000630	0.00119 J
	09/15/2020	0.00172 J	<0.000367	<0.000657	<0.000630	0.00172 J
	12/09/2020	0.00670	<0.002000	<0.002000	<0.0006300	0.006700
	03/09/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/24/2021	<0.00200	0.000678 J	<0.00200	<0.00400	0.000678 J
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/07/2022	0.000447 J	<0.000367	<0.000657	<0.000642	<0.000657

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-28	03/28/2016	**0.120**	<0.00024	<0.00024	<0.00024	-
	06/22/2016	**0.0468**	<0.000621	<0.000763	<0.000256	-
	09/28/2016	0.00240	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/06/2017	0.00985	0.00126 J	<0.000657	0.00149 J	0.0126
	09/21/2017	**0.0167**	<0.00100	<0.000657	<0.000630	0.0167
	12/21/2017	**0.0686**	0.000410 J	<0.000657	<0.000630	0.0690
	03/28/2018	**0.0118**	0.000800 J	<0.000657	<0.000630	0.0126
	06/14/2018	0.00260	<0.000512	<0.000616	<0.000270	0.00260
	09/26/2018	<0.000408	0.00642	<0.000657	<0.000630	0.00642
	12/18/2018	0.00310	<0.000512	<0.000616	<0.000270	0.00310
	03/26/2019	0.00464	<0.000500	<0.000500	<0.000500	0.00464
	06/26/2019	0.00320	<0.000512	<0.000616	<0.000270	0.00320
	09/16/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	**0.0163**	<0.000367	<0.000657	<0.000630	0.0163
	03/18/2020	**0.0567**	<0.000512	0.00130	0.00200	0.0600
	06/19/2020	0.00312	<0.000367	<0.000657	<0.000630	0.00312
	09/15/2020	0.00365	<0.000367	<0.000657	<0.000630	0.00365
	12/08/2020	<0.002000	0.000670 J	<0.002000	<0.0006300	0.0006700 J
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
MW-29	03/28/2016	**20.0**	<0.0119	<0.0119	<0.0122	-
	06/22/2016	**6.81**	<0.0310	<0.0382	<0.0128	-
	09/28/2016	**4.77**	<0.0658	<0.0809	<0.0271	-
	12/13/2016	**6.92**	<0.0200	<0.0131	0.0530	-
	03/21/2017	**0.245**	<0.000367	<0.000657	<0.000630	0.245
	06/06/2017	**37.9**	<0.100	<0.0657	<0.0642	37.9
	09/21/2017	**17.2 D**	<0.00100	0.00775	0.000890 J	17.2
	12/21/2017	**9.54 D**	<0.000367	0.00418	0.000660 J	9.54
	03/28/2018	**4.20**	<0.00734	<0.0131	<0.0126	4.20
	06/14/2018	**7.62**	<0.0256	<0.0308	<0.0135	7.62
	10/04/2018	**1.49 D**	<0.000367	<0.000657	0.00781	1.50
	12/18/2018	**0.0398**	<0.000512	0.000800 J	<0.000270	0.0406
	03/26/2019	0.000570	<0.000500	<0.000500	<0.000500	0.000570
	06/26/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/16/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/13/2019	<0.000408	0.000400	<0.000657	<0.000630	0.000400
	03/19/2020	**0.0121**	<0.000512	<0.000616	0.000800 J	0.012900
	06/22/2020	**0.0527**	<0.000367	0.00181 J	0.00138 J	0.0559
	09/15/2020	**0.175**	<0.000367	0.00501	0.00417	0.184
	12/09/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	09/30/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/16/2022	0.000521 J	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	0.000454 J	<0.000367	<0.000657 *1	<0.000642 *1	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/13/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500
	03/07/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-34	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/21/2016	0.00400	0.00160	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	0.00239	<0.000642	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	0.00163 J	<0.00100	0.000770 J	0.000680 J	0.00308
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.000790 J	<0.000367	<0.000657	<0.000630	0.000790 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	0.00204	0.00392	<0.000657	<0.000630	0.00596
	12/18/2018	0.000900 J	<0.000512	<0.000616	<0.000270	0.000900 J
	03/27/2019	0.00302	0.00302	<0.000500	<0.000500	0.00604
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/15/2019	0.00390	<0.000367	<0.000657	<0.000630	0.00390
	03/20/2020	0.00470	<0.000512	<0.000616	<0.000270	0.00470
	06/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/16/2020	**0.0341**	<0.000367	0.00155 J	<0.000630	0.0357
	12/07/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/08/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/23/2021	<0.00200	0.00112 J	<0.00200	<0.00400	0.00112 J
	09/13/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/16/2022	<0.000408	0.000379 J	<0.000657	<0.000642	<0.000657
	09/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/16/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/15/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
MW-35	03/28/2016	0.00920	0.00510	0.00290	0.00270	-
	06/21/2016	0.000600 J	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	0.00427	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	0.000740 J	<0.000367	<0.000657	<0.000630	0.000740 J
	03/28/2018	0.00175 J	<0.000367	<0.000657	<0.000630	0.00175 J
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	0.000700 J	<0.000512	<0.000616	<0.000270	0.000700 J
	03/28/2019	0.000960	0.000680	<0.000500	<0.000500	0.00164
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/15/2019	0.00205	<0.000367	<0.000657	<0.000630	0.00205
	03/20/2020	0.00330	<0.000512	<0.000616	<0.000270	0.00330
	06/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/16/2020	**0.0168**	<0.000367	0.00189 J	<0.000630	0.0187
	12/07/2020	0.000930 J	<0.002000	<0.002000	<0.0006300	0.0009300 J
	03/08/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/23/2021	0.000536 J	0.00169 J	<0.00200	<0.00400	0.00223 J
	09/13/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/16/2022	<0.000408	0.000500 J	<0.000657	<0.000642	<0.000657
	09/07/2022	0.00184 J	<0.000367	<0.000657	<0.000642	0.00184 J
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/15/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/13/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500
	03/08/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/10/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-36	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/21/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	12/13/2016	<0.000408	<0.00100	<0.000657	0.00416	-
	03/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	06/05/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408
	09/21/2017	<0.000408	<0.00100	<0.000657	<0.000630	<0.000408
	12/21/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/28/2018	0.00234	0.000590 J	<0.000657	<0.000630	0.00293
	06/14/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/26/2018	<0.000408	0.00199 J	<0.000657	<0.000630	0.00199 J
	12/18/2018	0.00140	<0.000512	<0.000616	<0.000270	0.00140
	03/28/2019	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/15/2019	0.00269	<0.000367	<0.000657	<0.000630	0.00269
	03/20/2020	0.00430	<0.000512	<0.000616	<0.000270	0.00430
	06/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/16/2020	**0.0104**	<0.000367	<0.000657	<0.000630	0.0104
	12/08/2020	0.00164 J	<0.002000	<0.002000	<0.0006300	0.001640 J
	03/08/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/23/2021	0.000795 J	0.0034	<0.00200	0.000920 J	0.00512
	09/13/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/16/2022	<0.000408	0.000572 J	<0.000657	<0.000642	<0.000657
	09/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/15/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/13/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500
	03/08/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/10/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
MW-37	03/28/2016	<0.00022	<0.00024	<0.00024	<0.00024	-
	06/22/2016	<0.000504	<0.000621	<0.000763	<0.000256	-
	09/28/2016	**0.889**	<0.0658	<0.0809	<0.0271	-
	12/13/2016	**0.602**	<0.0200	<0.0131	<0.0128	-
	03/21/2017	**0.0170**	<0.000367	<0.000657	<0.000630	0.0170
	06/06/2017	**2.21**	<0.0500	<0.0329	<0.0321	2.21
	09/21/2017	**1.04 D**	<0.00100	<0.000657	<0.000630	1.04
	12/21/2017	**0.0774**	<0.000367	<0.000657	<0.000630	0.0774
	03/28/2018	**0.0467**	<0.000367	<0.000657	<0.000630	0.0467
	06/14/2018	**0.355**	<0.000512	<0.000616	<0.000270	0.355
	09/26/2018	0.00674	<0.000367	<0.000657	<0.000630	0.00674
	12/18/2018	0.000600 J	<0.000512	<0.000616	<0.000270	0.000600 J
	03/26/2019	**0.0161**	<0.000500	<0.000500	<0.00050	0.0161
	06/25/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/16/2019	0.00670	<0.000367	<0.000657	<0.000630	0.00670
	12/13/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	03/18/2020	**0.0856**	<0.000512	0.00160	0.00240	0.0896
	06/22/2020	0.00165 J	<0.000367	<0.000657	<0.000630	0.00165 J
	09/15/2020	0.00170 J	<0.000367	<0.000657	<0.000630	0.00170 J
	12/08/2020	<0.002000	<0.002000	<0.002000	<0.0006300	<0.0003670
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/24/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	09/14/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	<0.000408	0.00106 J	<0.000657	<0.000642	0.00106 J
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-38	03/28/2016	**6.55**	<0.0119	<0.0119	0.104	-
	06/22/2016	**4.07**	<0.0310	<0.0382	0.0427 J	-
	09/28/2016	**2.83**	<0.0658	0.126	0.417	-
	12/13/2016	**5.91**	<0.0200	0.0450	0.0417	-
	03/21/2017	**12.6**	<0.0184	<0.0329	<0.0315	12.6
	06/06/2017	**0.216**	<0.00100	0.000890 J	0.00174 J	0.219
	09/21/2017	**14 D**	<0.00100	0.0118	0.00155 J	14.0
	12/21/2017	**13.4 D**	<0.000367	0.00794	0.00184 J	13.4
	03/28/2018	**7.58 D**	<0.000367	<0.000657	<0.000630	7.58
	06/14/2018	**12.6**	<0.0256	<0.0308	<0.0135	12.6
	09/26/2018	**10.7 D**	0.00427	0.0106	0.00298	10.7
	12/18/2018	**3.72**	<0.0102	<0.0123	<0.00540	3.72
	03/26/2019	**8.06**	<0.0100	<0.0100	<0.0100	8.06
	06/25/2019	**2.70**	<0.00512	<0.00616	<0.00270	2.70
	09/16/2019	**6.19**	<0.000367	0.00669	<0.000630	6.20
	12/13/2019	**0.682**	0.000530	0.000970	<0.000630	0.684
	03/18/2020	**0.333**	<0.00256	<0.00308	<0.00135	0.333
	06/22/2020	**0.358**	0.00105 J	0.00387	0.00372	0.367
	09/15/2020	**0.209**	<0.000367	0.00584	0.00562	0.220
	12/08/2020	**0.0309**	<0.002000	<0.002000	<0.0006300	0.03090
	03/29/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200
	06/24/2021	0.000758 J	<0.00200	<0.00200	<0.00400	0.000758 J
	09/14/2021	<0.00200	<0.00200	0.00136 J	<0.00400	0.00136 J
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/07/2022	0.00112 J	<0.000367	<0.000657	<0.000642	0.00112 J
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	<0.000408	<0.000367	<0.000657 *1	<0.000642 *1	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/13/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500
	03/07/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/10/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/10/2024	**0.125**	<0.00100	<0.00100	<0.00100	0.125
	12/11/2024	**0.156**	<0.00100	<0.00100	<0.00100	0.156
MW-39	09/26/2018	**0.0473**	<0.000367	<0.000657	0.00142 J	0.0487
	12/18/2018	**0.358**	<0.000512	<0.000616	0.00540	0.363
	03/27/2019	0.00573	0.00472	<0.000500	0.000550	0.0110
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000480 K	<0.000512 K	<0.000616 K	<0.000270 K	<0.000270 K
	12/15/2019	0.00663	<0.000367	<0.000657	<0.000630	0.006630
	03/19/2020	**0.0571**	<0.000512	<0.000616	0.00190	0.0590
	06/23/2020	**0.0495**	0.000720 J	<0.000657	<0.000630	0.0502
	09/16/2020	**0.233**	<0.000367	0.00147 J	0.00226	0.237
	12/08/2020	**1.20 D**	<0.002000	<0.002000	0.02106	1.221
	03/09/2021	**0.124**	<0.00200	<0.00200	<0.00200	0.124
	06/24/2021	**0.0584**	0.000661 J	<0.00200	<0.00400	0.0591
	09/13/2021	0.00611	<0.00200	<0.00200	<0.00400	0.00611
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	09/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/16/2023	<0.000408	0.000812 J	<0.000657	<0.000642	0.000812 J
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/14/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/15/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500
	03/08/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/10/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/10/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/11/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Table 2 - Groundwater Analytical Data - Historical
8" Moore to Jal #1
Lea County, NM
SRS#: 2002-10270

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)
NMWQCC- Groundwater		0.010	0.750	0.750	0.620	-
MW-40	09/26/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/26/2019	**0.104**	<0.000500	<0.000500	0.00177	0.106
	06/25/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/16/2019	**1.65**	<0.000367	0.00221	0.0394	1.69
	12/13/2019	**5.14**	0.00576	0.0156	0.0545	5.22
	03/18/2020	**10.1**	<0.0256	0.0500 J	0.100	10.3
	06/22/2020	**9.71 D**	0.00995	0.0575	0.0724	9.85
	09/15/2020	**16.6 D**	0.00513	0.0606	0.0656	16.7
	12/08/2020	**23.2 D**	0.0121	0.144	0.1842	23.54
	03/09/2021	**13.7 D**	0.00556	0.106	0.0618	13.9
	06/24/2021	**25.5**	<0.0400	0.109	<0.0800	26.0
	09/14/2021	**24.7 *1**	<0.200	0.394	<0.400	25.1
	12/08/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2022	**0.106**	<0.0184	<0.0329	<0.0321	0.106 J
	09/08/2022	0.00210	<0.000367	<0.000657	<0.000642	0.00210 J
	12/16/2022	<0.00408	<0.00367	<0.00657	<0.00642	<0.00657
	03/16/2023	<0.00408	<0.00367	<0.00657 *1	<0.00642 *1	<0.00657
	06/16/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/15/2023	0.00304	0.00109	<0.00100	0.000580	0.00471
	12/13/2023	0.00236	<0.00100	<0.00100	0.0110	0.0141
	03/07/2024	0.00194	<0.00100	<0.00100	<0.00100	0.00194
	06/10/2024	0.00247	<0.00100	<0.00100	<0.00100	0.00247
	09/10/2024	0.00151	<0.00100	<0.00100	<0.00100	0.00151
	12/11/2024	0.00133	<0.00100	<0.00100	<0.00100	0.00133
MW-41	09/26/2018	<0.000408	0.00564	<0.000657	<0.000630	0.00564
	12/18/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	03/27/2019	**0.0101**	0.00732	0.000600	0.00306	0.0211
	06/27/2019	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270
	09/18/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	12/15/2019	0.00381	<0.000367	<0.000657	<0.000630	0.00381
	03/20/2020	0.00680	<0.000512	<0.000616	0.000600 J	0.00740
	06/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367
	09/16/2020	0.00943	<0.000367	<0.000657	<0.000630	0.00943
	12/07/2020	0.00394	<0.002000	<0.002000	<0.0006300	0.003940
	03/09/2021	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200
	06/23/2021	0.000541 J	0.00241	<0.00200	<0.00400	0.00295 J
	09/13/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	12/07/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
	03/09/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/16/2022	<0.000408	0.000742 J	<0.000657	<0.000642	0.000742 J
	09/08/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	12/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	03/15/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657
	06/15/2023	<0.00100	<0.00100	<0.00100	<0.00300	-
	09/14/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/15/2023	<0.00100	<0.00100	<0.00100	<0.000500	<0.000500
	03/08/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	06/10/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	09/10/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
	12/11/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100

Notes:
Lab Flags noted next to vales. See lab report for description.

Analyte concentration exceeds the standard for:
NMWQCC - Groundwater Standard

Table 3 - Groundwater Analytical Data - Historical - PAH Supplement
8" Moore to Jal #1
Lea County, NM
SRS #: 2002-10270

Sample ID	Date Sampled	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a)anthracene (mg/L)	Benzo(a)pyrene (mg/L)	Benzo(b)fluoranthene (mg/L)	Benzo(g,h,i)perylene (mg/L)	Benzo(k)fluoranthene (mg/L)	Chrysene (mg/L)	Dibenz(a,h)anthracene (mg/L)	Dibenzofuran (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-c,d) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC - Groundwater		-	-	0.001	-	0.0007	0.001	-	0.001	-	-	-	0.001	0.001	-	0.030	0.001	0.001
MW-15	03/28/2018	<0.0000408	<0.0000731	<0.0000757	<0.0000632	<0.0000955	<0.0000907	<0.0000796	<0.0000779	<0.0000880	<0.0000495	0.00111	<0.0000896	0.00122	<0.0000495	0.00293 J	**0.00141**	<0.0000920
MW-27	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.000108 J	<0.0000055	<0.0000092
	03/26/2019	<0.0000042	<0.0000075	<0.0000078	<0.0000065	<0.0000099	<0.0000094	<0.0000082	<0.0000080	<0.0000091	<0.0000051	<0.0000055	<0.0000092	<0.0000056	<0.0000051	0.0000937	<0.0000057	<0.0000095
	03/19/2020	<0.000110	<0.0000930	<0.0000957	<0.000149	<0.0000630	<0.0000785	<0.000125	<0.000128	<0.0001720	<0.0000839	-	<0.000174	<0.000111	<0.000101	<0.000107	<0.0000939	<0.000144
	03/09/2021	<1.5	<1.5	<7.3	<0.0091	<0.0002	<0.0091	<0.73	<0.091	<0.91	<0.0002	-	<0.98	<0.98	<0.0091	<0.49	<0.73	<0.73
MW-28	03/28/2016	<0.000033	<0.000058	<0.000032	<0.000071	<0.000041	<0.000070	<0.000051	<0.000056	<0.000080	<0.000056	<0.000060	<0.000063	<0.000078	<0.000053	<0.000065	<0.000051	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000918 J	<0.0000055	<0.0000092
	03/26/2019	<0.0000041	<0.0000074	<0.0000077	<0.0000064	<0.0000096	<0.0000092	<0.0000080	<0.0000079	<0.0000089	<0.000005	<0.0000054	<0.0000090	<0.0000055	<0.000005	0.0000757	<0.0000056	<0.0000093
	03/18/2020	<0.000108	<0.000091	<0.0000938	<0.000146	<0.0000618	<0.0000770	<0.000123	<0.000126	<0.000169	<0.0000823	-	<0.000170	<0.000109	<0.0000989	0.000207 J	<0.0000921	<0.000141
MW-29	03/28/2016	<0.000033	<0.000057	<0.000031	<0.000071	<0.000041	<0.000070	<0.000051	<0.000055	<0.000080	<0.000055	0.00106	<0.000063	0.000884	<0.000053	**0.0342**	0.000957	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000474	<0.0000090	0.000495	<0.0000049	0.000505	0.000197	<0.0000092
	03/26/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000269	<0.0000090	0.000441	<0.0000049	0.000463	0.0000894	<0.0000092
	03/19/2020	<0.000110	<0.0000930	<0.0000957	<0.000149	<0.0000630	<0.0000785	<0.000125	<0.000128	<0.000172	<0.0000840	-	<0.000174	0.000176 J	<0.000101	0.000223 J	<0.0000940	<0.000144
MW-34	03/28/2016	<0.000033	<0.000058	<0.000032	<0.000071	<0.000041	<0.000070	<0.000051	<0.000056	<0.000080	<0.000056	<0.000060	<0.000063	<0.000078	<0.000053	<0.000065	<0.000051	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/27/2019	<0.0000041	<0.0000074	<0.0000077	<0.0000064	<0.0000096	<0.0000092	<0.0000080	<0.0000079	<0.0000089	<0.000005	<0.0000054	<0.0000090	<0.0000055	<0.000005	0.0000332	<0.0000056	<0.0000093
	03/20/2020	<0.000123	<0.000104	<0.000107	<0.000166	<0.0000703	<0.0000875	<0.000139	<0.000143	<0.000192	<0.0000936	-	<0.000194	<0.000124	<0.000112	<0.000120	<0.000105	<0.000160
	03/08/2021	<1.5	<1.5	<7.3	<0.0091	<0.0002	<0.0091	<0.73	<0.091	<0.91	<0.0002	-	<0.98	<0.98	<0.0091	<0.49	<0.73	<0.73
MW-35	03/28/2016	<0.000033	<0.000058	<0.000032	<0.000071	<0.000041	<0.000070	<0.000051	<0.000056	<0.000080	<0.000056	<0.000060	<0.000063	<0.000078	<0.000053	<0.000065	<0.000051	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/30/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000262	<0.0000055	<0.0000092
	03/20/2020	<0.000118	<0.0000997	<0.000103	<0.000159	<0.0000676	<0.0000842	<0.000134	<0.000138	<0.000185	<0.0000900	-	<0.000186	<0.000119	<0.000108	<0.000115	<0.000101	<0.000154
	03/08/2021	<1.5	<1.5	<7.3	<0.0091	<0.0002	<0.0091	<0.73	<0.091	<0.91	<0.0002	-	<0.98	<0.98	<0.0091	<0.49	<0.73	<0.73
MW-36	03/28/2016	<0.000033	<0.000057	<0.000031	<0.000071	<0.000041	<0.000070	<0.000051	<0.000055	<0.000080	<0.000055	<0.000059	<0.000063	<0.000077	<0.000053	<0.000064	<0.000051	<0.000041
	03/28/2018	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111
	03/30/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
	03/08/2021	<1.5	<1.5	<7.3	<0.0091	<0.0002	<0.0091	<0.73	<0.091	<0.91	<0.0002	-	<0.98	<0.98	<0.0091	<0.49	<0.73	<0.73
MW-37	03/28/2016	<0.000033	<0.000057	<0.000032	<0.000071	<0.000041	<0.000070	<0.000051	<0.000055	<0.000080	<0.000055	<0.000060	<0.000063	<0.000078	<0.000053	<0.000065	<0.000051	<0.000041
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.0000562	<0.0000090	0.0000424 J	<0.0000049	0.000376 J	<0.0000055	<0.0000092
	03/26/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000771	<0.0000055	<0.0000092
	03/18/2020	<0.000112	<0.0000947	<0.0000974	<0.000151	<0.0000642	<0.0000800	<0.000127	<0.000131	<0.000176	<0.0000855	-	<0.000177	<0.000113	<0.000103	0.000225 J	<0.0000957	<0.000147
MW-38	03/28/2016	<0.000032	<0.000057	<0.000031	<0.000070	<0.000041	<0.000069	<0.000051	<0.000055	<0.000079	<0.000055	<0.000059	<0.000062	<0.000077	<0.000052	0.00650	<0.000050	<0.000040
	03/28/2018	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000187	<0.0000090	0.0000604	<0.0000049	0.000359 J	0.000116	<0.0000092
	03/26/2019	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.00125	<0.0000090	0.000274	<0.0000049	0.00403	0.000547	<0.0000092
	03/18/2020	<0.000120	<0.000101	<0.000104	<0.000161	<0.0000684	<0.0000853	<0.000136	<0.000139	<0.000187	<0.0000912	-	<0.000189	<0.000121	<0.000110	0.000788	0.000120 J	<0.000156

Notes:
Lab Flags noted next to values. See lab report for description.

Analyte concentration exceeds the standard for:
NMWQCC - Groundwater Standard

APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: Moore to Jal #1 (MTJ1)

Project Number: SRS#2002-10270

Location: Lea County, NM

Lab Order Number: 4C08015

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 03/15/24

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-36	4C08015-01	Water	03/08/24 11:28	03-08-2024 16:11
MW-41	4C08015-02	Water	03/08/24 10:28	03-08-2024 16:11
MW-39	4C08015-03	Water	03/08/24 09:41	03-08-2024 16:11
MW-40	4C08015-04	Water	03/07/24 13:20	03-08-2024 16:11
MW-38	4C08015-05	Water	03/07/24 14:20	03-08-2024 16:11
MW-29	4C08015-06	Water	03/07/24 13:09	03-08-2024 16:11
MW-26	4C08015-07	Water	03/07/24 13:28	03-08-2024 16:11
MW-21	4C08015-08	Water	03/07/24 14:12	03-08-2024 16:11
MW-35	4C08015-09	Water	03/08/24 12:53	03-08-2024 16:11

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-36

4C08015-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 15:20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 15:20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 15:20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 15:20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 15:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.9 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 15:20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 15:20*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 15:20	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 15:20	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-41

4C08015-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 15:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 15:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 15:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 15:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 15:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.5 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 15:43*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 15:43*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 15:43	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 15:43	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-39

4C08015-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:13	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:13	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:13	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:13	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.1 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 16:13*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.8 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 16:13*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 16:13	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 16:13	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-40

4C08015-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00194**	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:36	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:36	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:36	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:36	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.8 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 16:36*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 16:36*	*EPA 8021B*	
Total BTEX	**0.00194**	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 16:36	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 16:36	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-38

4C08015-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:59	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 16:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.1 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 16:59*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.8 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 16:59*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 16:59	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 16:59	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-29

4C08015-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 17:22	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 17:22	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 17:22	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 17:22	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 17:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*89.0 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 17:22*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 17:22*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 17:22	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 17:22	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

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4C08015-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 18:30	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 18:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 18:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 18:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 18:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.4 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 18:30*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 18:30*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 18:30	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 18:30	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-21

4C08015-08 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 18:53	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 18:53	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 18:53	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 18:53	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 18:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*88.7 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 18:53*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.4 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 18:53*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 18:53	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 18:53	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

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4C08015-09 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 19:16	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 19:16	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 19:16	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 19:16	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 19:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.3 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 19:16*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4C1309*	*03/13/24 10:44*	*03/13/24 19:16*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 19:16	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/13/24 10:44	03/13/24 19:16	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4C1309 - * DEFAULT PREP *** **										
Blank (P4C1309-BLK1)				Prepared & Analyzed: 03/13/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.102*		*"*	*0.120*		*85.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.9*	*80-120*			
LCS (P4C1309-BS1)				Prepared & Analyzed: 03/13/24						
Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.0957	0.00100	"	0.100		95.7	80-120			
Ethylbenzene	0.0953	0.00100	"	0.100		95.3	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.8	80-120			
Xylene (o)	0.0884	0.00100	"	0.100		88.4	80-120			
Surrogate: 4-Bromofluorobenzene	*0.102*		*"*	*0.120*		*84.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
LCS Dup (P4C1309-BSD1)				Prepared & Analyzed: 03/13/24						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120	8.50	20	
Toluene	0.0879	0.00100	"	0.100		87.9	80-120	8.44	20	
Ethylbenzene	0.0883	0.00100	"	0.100		88.3	80-120	7.68	20	
Xylene (p/m)	0.176	0.00200	"	0.200		88.2	80-120	6.14	20	
Xylene (o)	0.0843	0.00100	"	0.100		84.3	80-120	4.70	20	
Surrogate: 4-Bromofluorobenzene	*0.104*		*"*	*0.120*		*86.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
Calibration Blank (P4C1309-CCB1)				Prepared & Analyzed: 03/13/24						
Benzene	0.200		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.230		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.104*		*"*	*0.120*		*87.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4C1309 - * DEFAULT PREP *** **										
Calibration Blank (P4C1309-CCB2)				Prepared & Analyzed: 03/13/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.410		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.107*		*"*	*0.120*		*89.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Calibration Blank (P4C1309-CCB3)				Prepared & Analyzed: 03/13/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.220		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.4*	*80-120*			
Calibration Check (P4C1309-CCV1)				Prepared & Analyzed: 03/13/24						
Benzene	0.116	0.00100	mg/L	0.100		116	80-120			
Toluene	0.0988	0.00100	"	0.100		98.8	80-120			
Ethylbenzene	0.0908	0.00100	"	0.100		90.8	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		94.0	80-120			
Xylene (o)	0.0918	0.00100	"	0.100		91.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.102*		*"*	*0.120*		*85.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Calibration Check (P4C1309-CCV2)				Prepared & Analyzed: 03/13/24						
Benzene	0.120	0.00100	mg/L	0.100		120	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.0977	0.00100	"	0.100		97.7	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		102	80-120			
Xylene (o)	0.0995	0.00100	"	0.100		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0994*		*"*	*0.120*		*82.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.2*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4C1309 - * DEFAULT PREP *** **										
Calibration Check (P4C1309-CCV3)				Prepared & Analyzed: 03/13/24						
Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.0996	0.00100	"	0.100		99.6	80-120			
Ethylbenzene	0.0923	0.00100	"	0.100		92.3	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.6	80-120			
Xylene (o)	0.0951	0.00100	"	0.100		95.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.102*		"	*0.120*		*85.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*101*	*80-120*			
Matrix Spike (P4C1309-MS1)		**Source: 4C08015-01**		Prepared & Analyzed: 03/13/24						
Benzene	0.122	0.00100	mg/L	0.100	ND	122	80-120			QM-05
Toluene	0.104	0.00100	"	0.100	ND	104	80-120			
Ethylbenzene	0.103	0.00100	"	0.100	ND	103	80-120			
Xylene (p/m)	0.204	0.00200	"	0.200	ND	102	80-120			
Xylene (o)	0.0972	0.00100	"	0.100	ND	97.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.104*		"	*0.120*		*86.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Matrix Spike Dup (P4C1309-MSD1)		**Source: 4C08015-01**		Prepared & Analyzed: 03/13/24						
Benzene	0.121	0.00100	mg/L	0.100	ND	121	80-120	0.784	20	QM-05
Toluene	0.102	0.00100	"	0.100	ND	102	80-120	1.54	20	
Ethylbenzene	0.103	0.00100	"	0.100	ND	103	80-120	0.631	20	
Xylene (p/m)	0.203	0.00200	"	0.200	ND	101	80-120	0.762	20	
Xylene (o)	0.0961	0.00100	"	0.100	ND	96.1	80-120	1.14	20	
Surrogate: 4-Bromofluorobenzene	*0.103*		"	*0.120*		*85.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Notes and Definitions

ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 3/15/2024

Brent Barron, Laboratory Director/Technical Director

Talon LPE	Project:	Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number:	SRS#2002-10270
Midland TX, 79706	Project Manager:	David Adkins

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager:	David Adkins	**Project Name:**	Moore to Jal #1 (MTJ1)
Company Name:	Talon LPE	**Project #:**	Plains All American Pipeline
Company Address:	408 Texas St.	**Project Loc:**	Lea County, NM
City/State/Zip:	Artesia, NM 88210	**PO #:**	SRS# 2002-10270
Telephone No:	575-441-4835	**Fax No:**	
Report Format:	☐ Standard ☐ TRRP ☐ NPDES		
Sampler Signature:	Bartlett Medley	**e-mail:**	dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only) **ORDER #:** 4C08015

Analyze For: TCLP: / TOTAL:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-36			3-8-24	11:28		3	3		3						GW			X		X
2	MW-41			3-8-24	10:28		3	3		3						GW			X		X
3	MW-39			3-8-24	9:41		3	3		3						GW			X		X
4	MW-40			3-7-24	1:20		3	3		3						GW			X		X
5	MW-38			3-7-24	2:20		3	3		3						GW			X		X
6	MW-29			3-7-24	1:09		3	3		3						GW			X		X
7	MW-26			3-7-24	1:28		3	3		3						GW			X		X
8	MW-21			3-7-24	2:12		3	3		3						GW			X		X
9	MW-35			3-8-24	12:53		3	3		3						GW			X		X

Special Instructions:
Email Analyticals to: CJBryant@paalp.com, Maochoa@paalp.com, and KHudgens@paalp.com

	Date	Time	Received by:	Date	Time
Relinquished by: Bartlett Medley	3-8-24	1:04		3/8/24	1:04
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	3/8/24	16:11	Received by PBEL: Teresa Bledsoe	3/8/24	16:11

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5.9 °C Thermometer: NCF-3
Adjusted: °C Factor:

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: Moore to Jal #1 (MTJ1)

Project Number: SRS#2002-10270

Location: LEA COUNTY, NM

Lab Order Number: 4F11005

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 06/19/24

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-35	4F11005-01	Water	06/10/24 13:33	06-11-2024 13:28
MW-36	4F11005-02	Water	06/10/24 13:21	06-11-2024 13:28
MW-41	4F11005-03	Water	06/10/24 13:04	06-11-2024 13:28
MW-39	4F11005-04	Water	06/10/24 12:27	06-11-2024 13:28
MW-40	4F11005-05	Water	06/10/24 12:28	06-11-2024 13:28
MW-38	4F11005-06	Water	06/10/24 12:58	06-11-2024 13:28
MW-21	4F11005-07	Water	06/10/24 13:29	06-11-2024 13:28

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-35

4F11005-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 13:41	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 13:41	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 13:41	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 13:41	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 13:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 13:41*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.3 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 13:41*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 13:41	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 13:41	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-36

4F11005-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:03	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:03	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:03	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:03	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 14:03*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.5 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 14:03*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 14:03	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 14:03	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-41

4F11005-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:26	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:26	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:26	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:26	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 14:26*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.1 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 14:26*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 14:26	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 14:26	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-39

4F11005-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 14:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 14:48*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.9 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 14:48*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 14:48	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 14:48	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-40

4F11005-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00247**	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 15:11	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 15:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 15:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 15:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 15:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*113 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 15:11*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.0 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 15:11*	*EPA 8021B*	
Total BTEX	**0.00247**	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 15:11	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 15:11	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-38

4F11005-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 16:18	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 16:18	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 16:18	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 16:18	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 16:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 16:18*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.7 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 16:18*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 16:18	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 16:18	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-21

4F11005-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 16:41	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 16:41	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 16:41	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 16:41	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F1208	06/12/24 08:47	06/12/24 16:41	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 16:41*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.7 %*	*80-120*		*P4F1208*	*06/12/24 08:47*	*06/12/24 16:41*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 16:41	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/12/24 08:47	06/12/24 16:41	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4F1208 - * DEFAULT PREP *** **										
Blank (P4F1208-BLK1)				Prepared & Analyzed: 06/12/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.5*	*80-120*			
LCS (P4F1208-BS1)				Prepared & Analyzed: 06/12/24						
Benzene	0.111	0.00100	mg/L	0.100		111	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200		113	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.129*		"	*0.120*		*108*	*80-120*			
LCS Dup (P4F1208-BSD1)				Prepared & Analyzed: 06/12/24						
Benzene	0.112	0.00100	mg/L	0.100		112	80-120	0.621	20	
Toluene	0.106	0.00100	"	0.100		106	80-120	1.46	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	2.16	20	
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120	1.30	20	
Xylene (o)	0.101	0.00100	"	0.100		101	80-120	0.158	20	
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		"	*0.120*		*107*	*80-120*			
Calibration Blank (P4F1208-CCB1)				Prepared & Analyzed: 06/12/24						
Benzene	0.0800		ug/l							
Toluene	0.0900		"							
Ethylbenzene	0.0600		"							
Xylene (p/m)	0.220		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.3*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4F1208 - * DEFAULT PREP *** **										
Calibration Blank (P4F1208-CCB2)				Prepared & Analyzed: 06/12/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.160		"							
Xylene (p/m)	0.210		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.9*	*80-120*			
Calibration Check (P4F1208-CCV1)				Prepared & Analyzed: 06/12/24						
Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		111	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		"	*0.120*		*107*	*80-120*			
Calibration Check (P4F1208-CCV2)				Prepared & Analyzed: 06/12/24						
Benzene	0.118	0.00100	mg/L	0.100		118	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
Calibration Check (P4F1208-CCV3)				Prepared & Analyzed: 06/12/24						
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	*0.130*		"	*0.120*		*108*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		"	*0.120*		*106*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4F1208 - * DEFAULT PREP *** **										
Matrix Spike (P4F1208-MS1)	**Source: 4F06014-08**			Prepared & Analyzed: 06/12/24						
Benzene	0.129	0.00100	mg/L	0.100	0.00151	127	80-120			QM-05
Toluene	0.118	0.00100	"	0.100	ND	118	80-120			
Ethylbenzene	0.125	0.00100	"	0.100	ND	125	80-120			QM-05
Xylene (p/m)	0.248	0.00200	"	0.200	ND	124	80-120			QM-05
Xylene (o)	0.110	0.00100	"	0.100	ND	110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			
Matrix Spike Dup (P4F1208-MSD1)	**Source: 4F06014-08**			Prepared & Analyzed: 06/12/24						
Benzene	0.134	0.00100	mg/L	0.100	0.00151	133	80-120	4.07	20	QM-05
Toluene	0.123	0.00100	"	0.100	ND	123	80-120	4.08	20	QM-05
Ethylbenzene	0.130	0.00100	"	0.100	ND	130	80-120	3.99	20	QM-05
Xylene (p/m)	0.258	0.00200	"	0.200	ND	129	80-120	3.70	20	QM-05
Xylene (o)	0.116	0.00100	"	0.100	ND	116	80-120	5.11	20	
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.130*		*"*	*0.120*		*108*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Notes and Definitions

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/19/2024

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: David Adkins
Company Name: Talon LPE
Company Address: 408 Texas St.
City/State/Zip: Artesia, NM 88210
Telephone No: 575-441-4835
Fax No:
Sampler Signature: Bartlett Medley

Project Name: Moore to Jal #1 (MTJ1)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10270
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)
ORDER #: 4F11005

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	TOTAL: BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-35			6-10-24	1:33		3	3		3						GW			X		X
2	MW-36			6-10-24	1:21		3	3		3						GW			X		X
3	MW-41			6-10-24	1:04		3	3		3						GW			X		X
4	MW-39			6-10-24	12:27		3	3		3						GW			X		X
5	MW-40			6-10-24	12:28		3	3		3						GW			X		X
6	MW-38			6-10-24	12:58		3	3		3						GW			X		X
7	MW-21			6-10-24	1:29		3	3		3						GW			X		X

Special Instructions:
Email Analyticals to: CJBryant@paalp.com, Maochoa@paalp.com, and KHudgens@paalp.com

Relinquished by:	Date	Time	Received by:	Date	Time
Kayla Saylor	6/11/24	1308		6/11/24	1308
	6/11/24	1328		Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
				6/11/24	13:20

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 5.9 °C Thermometor: NCE3
Adjusted: °C Factor:

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: Moore to Jal #1 (MTJ1)

Project Number: SRS#2002-10270

Location: LEA COUNTY, NM

Lab Order Number: 4I10022

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/12/24

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-41	4I10022-01	Water	09/10/24 11:49	09-10-2024 15:28
MW-39	4I10022-02	Water	09/10/24 11:19	09-10-2024 15:28
MW-40	4I10022-03	Water	09/10/24 10:32	09-10-2024 15:28
MW-38	4I10022-04	Water	09/10/24 10:48	09-10-2024 15:28
MW-21	4I10022-05	Water	09/10/24 09:54	09-10-2024 15:28

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-41

4I10022-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 18:31	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 18:31	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:31	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:31	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:31	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:31	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.0 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 18:31*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.3 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 18:31*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-39

4I10022-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 18:53	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 18:53	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:53	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:53	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:53	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:53	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.8 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 18:53*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.1 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 18:53*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-40

4I10022-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	**0.00151**	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 19:15	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 19:15	EPA 8021B	
Organics by GC									
Benzene	**0.00151**	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:15	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:15	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:15	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:15	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 19:15*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.3 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 19:15*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-38

4I10022-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	**0.125**	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 19:37	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 19:37	EPA 8021B	
Organics by GC									
Benzene	**0.125**	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:37	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:37	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:37	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:37	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:37	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.9 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 19:37*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*93.0 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 19:37*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-21

4I10022-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 19:59	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 19:59	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:59	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 19:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*97.8 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 19:59*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.8 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 19:59*	*EPA 8021B*	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I1106 - * DEFAULT PREP *** **										
Blank (P4I1106-BLK1)				Prepared & Analyzed: 09/11/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.1*	*80-120*			
LCS (P4I1106-BS1)				Prepared & Analyzed: 09/11/24						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		*"*	*0.120*		*90.0*	*80-120*			
LCS Dup (P4I1106-BSD1)				Prepared & Analyzed: 09/11/24						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120	0.880	20	
Toluene	0.110	0.00100	"	0.100		110	80-120	1.01	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120	3.41	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	1.47	20	
Xylene (o)	0.108	0.00100	"	0.100		108	80-120	1.38	20	
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.4*	*80-120*			
Calibration Blank (P4I1106-CCB1)				Prepared & Analyzed: 09/11/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		*"*	*0.120*		*87.3*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I1106 - * DEFAULT PREP *** **										
Calibration Blank (P4I1106-CCB2)				Prepared & Analyzed: 09/11/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		*"*	*0.120*		*88.7*	*80-120*			
Calibration Check (P4I1106-CCV1)				Prepared & Analyzed: 09/11/24						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.3*	*80-120*			
Calibration Check (P4I1106-CCV2)				Prepared & Analyzed: 09/11/24						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.6*	*80-120*			
Calibration Check (P4I1106-CCV3)				Prepared: 09/11/24 Analyzed: 09/12/24						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*93.9*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I1106 - * DEFAULT PREP *** **										
Matrix Spike (P4I1106-MS1)	**Source: 4I09012-04**			Prepared: 09/11/24 Analyzed: 09/12/24						
Benzene	0.106	0.00100	mg/L	0.100	ND	106	80-120			
Toluene	0.109	0.00100	"	0.100	ND	109	80-120			
Ethylbenzene	0.120	0.00100	"	0.100	ND	120	80-120			
Xylene (p/m)	0.243	0.00200	"	0.200	ND	121	80-120			QM-05
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*93.5*	*80-120*			
Matrix Spike Dup (P4I1106-MSD1)	**Source: 4I09012-04**			Prepared: 09/11/24 Analyzed: 09/12/24						
Benzene	0.103	0.00100	mg/L	0.100	ND	103	80-120	3.23	20	
Toluene	0.106	0.00100	"	0.100	ND	106	80-120	2.76	20	
Ethylbenzene	0.117	0.00100	"	0.100	ND	117	80-120	2.59	20	
Xylene (p/m)	0.237	0.00200	"	0.200	ND	118	80-120	2.55	20	
Xylene (o)	0.104	0.00100	"	0.100	ND	104	80-120	2.59	20	
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.2*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Notes and Definitions

ROI	Received on Ice
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/12/2024

Brent Barron, Laboratory Director/Technical Director

Talon LPE	Project:	Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number:	SRS#2002-10270
Midland TX, 79706	Project Manager:	David Adkins

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: David Adkins
Company Name: Talon LPE
Company Address: 408 Texas St.
City/State/Zip: Artesia, NM 88210
Telephone No: 575-441-4835 **Fax No:**
Sampler Signature: Kayla Sayler

Project Name: Moore to Jal #1 (MTJ1)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10270
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)
ORDER #: 4I10022

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	TOTAL: BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-41			9-16-24	11:49		3	3		3						GW			X		X
2	MW-39			9-10-24	11:19		3	3		3						GW			X		X
3	MW-40			9-10-24	10:32		3	3		3						GW			X		X
4	MW-38			9-10-24	10:48		3	3		3						GW			X		X
5	MW-21			9-10-24	9:54		3	3		3						GW			X		X

Special Instructions:
Email Analyticals to: CJBryant@paalp.com, Maochoa@paalp.com, and KHudgens@paalp.com

Relinquished by: Kayla Sayler	Date 9-10-24	Time 15:28	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Tessa Bledsoe	Date 9/10/24	Time 15:28

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5.9 °C Thermometer: NLE 03
Adjusted: °C Factor:

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21

Page __ of __

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

David Adkins
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: Moore to Jal #1 (MTJ1)
Project Number: SRS#2002-10270
Location: LEA COUNTY, NM

Lab Order Number: 4L11017

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 12/17/24

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-41	4L11017-01	Water	12/11/24 12:14	12-11-2024 16:04
MW-39	4L11017-02	Water	12/11/24 11:48	12-11-2024 16:04
MW-40	4L11017-03	Water	12/11/24 11:00	12-11-2024 16:04
MW-38	4L11017-04	Water	12/11/24 11:19	12-11-2024 16:04

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-41

4L11017-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:00	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:00	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:00	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:00	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*76.4 %*	*80-120*		*P4L1302*	*12/13/24 09:01*	*12/14/24 07:00*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P4L1302*	*12/13/24 09:01*	*12/14/24 07:00*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/13/24 09:01	12/14/24 07:00	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/13/24 09:01	12/14/24 07:00	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-39

4L11017-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:23	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:23	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:23	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:23	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*76.1 %*	*80-120*		*P4L1302*	*12/13/24 09:01*	*12/14/24 07:23*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P4L1302*	*12/13/24 09:01*	*12/14/24 07:23*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/13/24 09:01	12/14/24 07:23	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/13/24 09:01	12/14/24 07:23	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-40

4L11017-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00133**	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:45	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:45	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:45	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:45	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 07:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*81.2 %*	*80-120*		*P4L1302*	*12/13/24 09:01*	*12/14/24 07:45*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*102 %*	*80-120*		*P4L1302*	*12/13/24 09:01*	*12/14/24 07:45*	*EPA 8021B*	
Total BTEX	**0.00133**	0.00100	mg/L	1	[CALC]	12/13/24 09:01	12/14/24 07:45	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/13/24 09:01	12/14/24 07:45	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

MW-38

4L11017-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.156**	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 08:07	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 08:07	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 08:07	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 08:07	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1302	12/13/24 09:01	12/14/24 08:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*73.0 %*	*80-120*		*P4L1302*	*12/13/24 09:01*	*12/14/24 08:07*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*110 %*	*80-120*		*P4L1302*	*12/13/24 09:01*	*12/14/24 08:07*	*EPA 8021B*	
Total BTEX	**0.156**	0.00100	mg/L	1	[CALC]	12/13/24 09:01	12/14/24 08:07	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/13/24 09:01	12/14/24 08:07	EPA 8021B	

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4L1302 - * DEFAULT PREP *** **										
Blank (P4L1302-BLK1)				Prepared: 12/13/24 Analyzed: 12/14/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.0915*		*"*	*0.120*		*76.3*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
LCS (P4L1302-BS1)				Prepared: 12/13/24 Analyzed: 12/14/24						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.0973	0.00100	"	0.100		97.3	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0940	0.00100	"	0.100		94.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0955*		*"*	*0.120*		*79.6*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.131*		*"*	*0.120*		*110*	*80-120*			
LCS Dup (P4L1302-BSD1)				Prepared: 12/13/24 Analyzed: 12/14/24						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120	0.900	20	
Toluene	0.0978	0.00100	"	0.100		97.8	80-120	0.523	20	
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120	0.927	20	
Xylene (p/m)	0.209	0.00200	"	0.200		105	80-120	1.35	20	
Xylene (o)	0.0950	0.00100	"	0.100		95.0	80-120	1.04	20	
Surrogate: 4-Bromofluorobenzene	*0.0972*		*"*	*0.120*		*81.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.133*		*"*	*0.120*		*111*	*80-120*			
Calibration Blank (P4L1302-CCB1)				Prepared: 12/13/24 Analyzed: 12/14/24						
Benzene	0.150		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.330		"							
Xylene (p/m)	0.490		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.0925*		*"*	*0.120*		*77.1*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4L1302 - * DEFAULT PREP *** **										
Calibration Blank (P4L1302-CCB2)				Prepared: 12/13/24 Analyzed: 12/14/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.280		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.0921*		*"*	*0.120*		*76.7*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Calibration Blank (P4L1302-CCB3)				Prepared: 12/13/24 Analyzed: 12/14/24						
Benzene	0.150		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.330		"							
Xylene (p/m)	0.490		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.0925*		*"*	*0.120*		*77.1*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Calibration Check (P4L1302-CCV1)				Prepared: 12/13/24 Analyzed: 12/14/24						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.0966	0.00100	"	0.100		96.6	80-120			
Ethylbenzene	0.0941	0.00100	"	0.100		94.1	80-120			
Xylene (p/m)	0.203	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0946	0.00100	"	0.100		94.6	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0958*		*"*	*0.120*		*79.8*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			
Calibration Check (P4L1302-CCV2)				Prepared: 12/13/24 Analyzed: 12/14/24						
Benzene	0.0983	0.00100	mg/L	0.100		98.3	80-120			
Toluene	0.0934	0.00100	"	0.100		93.4	80-120			
Ethylbenzene	0.0913	0.00100	"	0.100		91.3	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200		98.7	80-120			
Xylene (o)	0.0921	0.00100	"	0.100		92.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0966*		*"*	*0.120*		*80.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4L1302 - * DEFAULT PREP *** **										
Calibration Check (P4L1302-CCV3)				Prepared: 12/13/24 Analyzed: 12/14/24						
Benzene	0.107	0.00100	mg/L	0.100		107	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0928*		"	*0.120*		*77.3*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.130*		"	*0.120*		*108*	*80-120*			
Matrix Spike (P4L1302-MS1)		**Source: 4L11016-08**		Prepared: 12/13/24 Analyzed: 12/14/24						
Benzene	0.0951	0.00100	mg/L	0.100	ND	95.1	80-120			
Toluene	0.0870	0.00100	"	0.100	ND	87.0	80-120			
Ethylbenzene	0.0956	0.00100	"	0.100	ND	95.6	80-120			
Xylene (p/m)	0.187	0.00200	"	0.200	ND	93.3	80-120			
Xylene (o)	0.0840	0.00100	"	0.100	ND	84.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0957*		"	*0.120*		*79.8*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.132*		"	*0.120*		*110*	*80-120*			
Matrix Spike Dup (P4L1302-MSD1)		**Source: 4L11016-08**		Prepared: 12/13/24 Analyzed: 12/14/24						
Benzene	0.0911	0.00100	mg/L	0.100	ND	91.1	80-120	4.31	20	
Toluene	0.0848	0.00100	"	0.100	ND	84.8	80-120	2.60	20	
Ethylbenzene	0.0930	0.00100	"	0.100	ND	93.0	80-120	2.82	20	
Xylene (p/m)	0.181	0.00200	"	0.200	ND	90.7	80-120	2.82	20	
Xylene (o)	0.0813	0.00100	"	0.100	ND	81.3	80-120	3.30	20	
Surrogate: 4-Bromofluorobenzene	*0.0943*		"	*0.120*		*78.6*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.131*		"	*0.120*		*109*	*80-120*			

Talon LPE	Project: Moore to Jal #1 (MTJ1)
2901 S. State Hwy 349	Project Number: SRS#2002-10270
Midland TX, 79706	Project Manager: David Adkins

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:  Date: 12/17/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701
Phone: 432-686-7235

Project Manager: David Adkins
Company Name: Talon LPE
Company Address: 408 Texas St.
City/State/Zip: Artesia, NM 88210
Telephone No: 575-441-4835
Fax No: _____
Sampler Signature: Bartlett Medley

Project Name: Moore to Jal #1 (MTJ1)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2002-10270
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)
ORDER #: 411017

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-41			12-11-24	12:14		3	3		3						GW			X		X
2	MW-39			12-11-24	11:48		3	3		3						GW			X		X
3	MW-40			12-11-24	11:00		3	3		3						GW			X		X
4	MW-38			12-11-24	11:19		3	3		3						GW			X		X

Special Instructions:
Email Analyticals to: CJBryant@paalp.com, Maochoa@paalp.com, and KHudgens@paalp.com

Relinquished by:	Date	Time	Received by:	Date	Time
Matthew Beasley	12/11/24	16:04			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL:	Date	Time
			Teresa Bledsoe	12/11/24	16:04

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5.9 °C Thermometer: NCF 63
Adjusted: °C Factor:

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21

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:	OGRID:
PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	34053
	Action Number: 497656
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	Pursuant to 19.15.30 NMAC, update Stage 2 Abatement Addendum Plan dated March 15, 2011. Plan and activities will be conducted and submitted as a report by December 22, 2025.	9/22/2025
shanna.smith	17 monitor wells out of 41 monitor wells contained NAPL before going dry. Two monitor wells have been dry since 2018 and 2019.	9/22/2025
shanna.smith	17 monitor wells out of 41 monitor wells are dry or do not have sufficient groundwater for laboratory analysis. Five monitor wells have been dry since 2020 and 2021.	9/22/2025
shanna.smith	Pursuant to 19.15.30.13 C.2.a “the vertical and horizontal extent and magnitude of vadose zone and ground-water contamination”. The release site is not fully delineated due to the amount of dry monitor wells.	9/22/2025
shanna.smith	Pursuant to 19.15.30.11 Subsection A states “Unless otherwise provided by 19.15.30 NMAC responsible persons who are abating, or who are required to abate, water pollution in excess of the standards and requirements set forth in 19.15.30.9 NMAC shall do so pursuant to an abatement plan the director approves. When the director has approved an abatement plan, the responsible person’s actions leading to and including abatement shall be consistent with the abatement plan’s terms and conditions.”	9/22/2025
shanna.smith	Pursuant to 19.15.30.11 Subsection B paragraph 3 states “If the director determines that the designated responsible person has failed to conduct the actions 19.15.30 NMAC requires, the director shall notify all responsible persons of this failure in writing and allow them 30 days, or longer for good cause shown, to conduct the required actions before setting a show cause hearing requiring those responsible persons to appear and show cause why they should not be ordered to comply, a penalty should not be assessed, a civil action should not be commenced in district court or the division should not take other appropriate action.”	9/22/2025
shanna.smith	2024 AGWMR approval does not relieve the owner/operator of responsibility for compliance with an OCD, federal, state, or local laws and/or regulations.	9/22/2025