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Updated Stage 2 Abatement Plan

Lovington Deep 6"
Lea County, New Mexico
SRS # 2002-10312
NMOCD REF. # nAPP2109530339

Prepared For:
Plains Pipeline, L.P.
333 Clay Street
Suite 1600
Houston, Texas 77002

Prepared By:
Talon/LPE, Ltd.
2901 State Highway 349
Midland, Texas 79706

December 9, 2025



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**Plains Pipeline, L.P.
333 Clay Street, Suite 1600
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Prepared By:

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A handwritten signature in black ink, appearing to read "K. Weichert", is written over a horizontal line.

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December 9, 2025

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NMOCD – New Mexico Oil Conservation Division

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1. INTRODUCTION

Talon/LPE (Talon), on behalf of Plains Pipeline, L.P. (Plains), submits this Updated Stage 2 Abatement Plan (AP) to the New Mexico Oil Conservation Division (NMOCD), in accordance with 19.15.30 New Mexico Administrative Code (NMAC) (Rule 19) for the investigation and remediation of the Lovington Deep 6" (Site) crude oil release site (NMOCD Incident No. nAPP2109530339).

The Site is located approximately 5.8 miles southwest of Lovington, New Mexico. The legal location for this site is SE ¼ of the NE ¼ of Unit Letter H, Section 6, Township 17 South, and Range 36 East in Lea County, New Mexico. The latitude and longitude for the site is 32.867039, -103.387542. The location of the Site is shown on **Figures 1a, 1b and 1c** presented in [Appendix A](#).

1.1 Objectives

The purpose of this updated AP is to align current remedial and abatement strategies at the Site with the regulatory conditions, as required by the NMOCD based on correspondence dated September 16, 2025, as listed below:

- Pursuant to 19.15.30 NMAC, an updated Stage 2 Abatement Plan and activities will be conducted and submitted as a report by December 16, 2025.
- Continue to remove phase separated hydrocarbons (PSH) by mobile dual phase extraction (MDPE) events as scheduled for the site.
- Continue quarterly groundwater monitoring activities and sampling events, and complete applicable report submittals, as required by NMOCD.

The subsequent sections of this plan summarize the abatement options and activities that have been completed, as well as planned activities.

1.2 Incident Description

In December 2002, a reported release of approximately 25 barrels (bbls) of crude oil occurred at the site due to corrosion of the Plains Lovington Deep 6" pipeline. Ten (10) bbls of crude oil were recovered during initial response activities. Approximately 6,000 square feet (sqft) of surface area was impacted by the release. During the initial remediation phase, soil that was impacted by the release was excavated and treated on-site, per NMOCD approval. Soil remediation activities were initiated by Environmental Plus, Inc. (EPI) in 2003 and the soil phase of site remediation was closed in October 2005.

1.3 Site Characterization

Geology

The surficial 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 contains 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, Ogallala sediments were deposited by fluvial mechanism as paleovalley fill, which is composed of gravelly to sandy braided stream deposits that trend 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 has experienced deflation, which facilitated eolian deposition on the Southern High Plains during the Pliocene.

Groundwater and site characterization data is summarized in the following table.

Groundwater and Site Characterization

| | |
|--|----------------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release? | Between 51 and 75 (ft bgs) |
| What method was used to determine the depth to groundwater? | Direct Measurement |
| Did the release impact groundwater or surface water? | Yes |
| Distance from a flowing watercourse or any other significant watercourse. | Greater than 5 miles |
| Distance from any lakebed, sinkhole, or playa lake. | Between 1/2 and 1 mile |
| Distance from an occupied permanent residence, school, hospital, institution, or church. | Between 1 and 5 mile |
| Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes. | Between 1 and 5 mile |
| Distance from any fresh water well or spring. | Between 1 and 5 mile |
| Distance from incorporated municipal boundaries or a defined municipal fresh water field. | Between 1 and 5 mile |
| Distance from a wetland. | Between 1/2 and 1 mile |
| Distance from a subsurface mine. | Greater than 5 miles |
| Distance from (non-karst) unstable area. | Greater than 5 miles |
| Categorize the risk of this well/site being in a karst geology. | Low |
| Distance from a 100 year floodplain. | Greater than 5 miles |
| Did the release impact areas not on an exploration, development, production, or storage site? | No |

1.4 Regulatory Framework

Groundwater analytical data from this site was evaluated against the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards in effect prior to 2018, consistent with the release timeframe.

| NMWQCC Groundwater Standards | |
|------------------------------|-----------------------------|
| Compound | Milligrams per Liter (mg/L) |
| Benzene | 0.010 |
| Toluene | 0.750 |
| Ethylbenzene | 0.750 |
| Total Xylenes | 0.620 |

1.5 Site History

The following section presents a summary of historical activities conducted at the site and details of the groundwater monitoring activities conducted in 2025.

1.5.1 Historical

The Site is located on property owned by Chevron and is primarily utilized as pasture/range with intermittent oil production facilities. The remediation area is surrounded by a barbed wire fence and is gated.

Initial remediation activities included excavation and disposal of 1,102 cubic yards (cu yds) of contaminated soil within the visible spill area to approximately 3 feet below ground surface (bgs). Subsequent to the initial response activities, approximately 10,500 cu yds of visibly impacted soil from a depth of approximately 3 ft bgs in the flow path to a depth of approximately 14 ft bgs in and around the leak origin was excavated. Further details of these activities are documented in the *Soil Remediation and Risk Assessment Proposal*, dated July 2003.

During the initial effort to delineate the extent of impacted soil at the site, six (6) soil borings were advanced at the site to depths of approximately 75 feet bgs. During the advancement of the soil borings, groundwater encountered at approximately 65 feet bgs was found to be impacted by the release. Five (5) groundwater monitoring wells (MW-1 through MW-5) were installed to monitor the extent and magnitude of groundwater impact at the site.

On February 5, 2007, Talon was retained by Plains to assume groundwater remediation activities at the Lovington Deep 6" release site. Groundwater remediation activities at the site were previously conducted by EPI. Soil remediation activities were initiated by EPI in 2003 and the soil phase of site remediation was closed in October 2005. Historical soil analytical data is documented in the *Soils Closure Report Lovington Deep 6"* dated July 30, 2007, and can be provided upon request.

During November and December 2004, six (6) additional groundwater monitoring wells (MW-6 through MW-11) were installed to further delineate the lateral extent of groundwater impacts at the site. In July 2006, six (6) additional groundwater monitoring wells (MW-12 through MW-17) were installed. Subsequent groundwater monitoring events indicated that benzene concentrations in the down-gradient sentinel monitoring well, MW-12, consistently exceeded the NMWQCC standard. Therefore; monitoring well MW-18 was installed further down-gradient in June of 2010. Two (2) additional monitoring wells, MW-19 and MW-20, were installed farther down-gradient from monitoring wells MW-12 and MW-18 on August 27, 2018.

A total of 20 groundwater monitoring wells have been installed near the release area (**Figure 1c**). All wells are gauged if water is present. Wells are sampled quarterly if no PSH is present in wells. Within the last three (3) groundwater sampling events, thirteen (13) monitoring wells were sampled, the other seven (7) were either dry or have a presence of PSH.

Following submittal of the *2020 Annual Groundwater Monitoring Report*, the NMOCD approved discontinuing the sampling of Polycyclic Aromatic Hydrocarbons (PAH's) from monitoring wells MW-4, MW-10, MW-12, MW-18, MW-19, and MW-20 in January 2022.

PSH recovery operations have been performed at the site since March 2003, initially from hand bailing followed by a recovery system that utilized skimmers with bladder pumps. In April 2010, a pneumatic total fluid pump was installed in monitor well MW-2. Due to an insignificant increase in PSH extraction and because the total fluid pump increased groundwater production, the total fluid pump was removed from MW-2 in September 2010 and replaced with a skimmer and bladder pump. In order to help reduce down-gradient dissolved-phase concentrations, air sparge bubblers were installed in monitor wells MW-10 and MW-12 in January 2011.

At the end of 2012, there were six (6) skimmers with bladder pumps operating in monitor wells MW-2, MW-13, MW-14, MW-15, MW-16, and MW-17. During 2012, three (3) MDPE events were conducted on site. A total of approximately 27 bbls of liquid and vapor PSH were recovered during these events, and five (5) bbls of crude oil was recovered by the skimmer pump system.

MDPE events have been conducted at the Site since 2012. To date, a total of 557.02 bbls of PSH have been recovered from the site, comprising 320.81 bbls in the vapor phase and 236.21 bbls in the liquid phase.

1.5.2 Activities FY 2025

The sections that follow summarize groundwater monitoring activities conducted at the site during the year 2025.

Monitoring Well Gauging

Talon personnel measured the depth to groundwater and PSH thickness, if present, in all monitoring wells using an oil/water interface probe (IP). Measurements were collected during each of the 3 groundwater monitoring events during the year 2025. The results of the fluid level measurements are summarized in Table 1 - Groundwater Gauging Data - Historical in [Appendix B](#).

Potentiometric surface maps were generated from the 3 quarterly water level measurement data sets:

- March 11, 2025
- June 2, 2025
- September 2, 2025

Potentiometric surface maps for the 2025 quarterly gauging data are included as **Figures 2a, 2b, and 2c**, presented in [Appendix A](#). Historical hydrographs are included as **Figure 4**, presented in [Appendix A](#). Based on fluid level measurements at the site, the groundwater flow direction between March 2025 through September 2025 trended eastward.

March 2025 Groundwater Monitoring Event

During the March 2025 groundwater monitoring event, 20 monitoring wells were gauged. A total of 12 monitoring wells (MW-1, MW-4, MW-5, MW-8, MW-9, MW-11, MW-12, MW-15, MW-16, and MW-18 through MW-20) were purged and sampled. Due to the presence of PSH, 3 monitoring wells (MW-13, MW-14 and MW-17) were not sampled. It was noted that four (4) monitoring wells (MW-2, MW-3, MW-6, and MW-10) were dry when gauged; therefore, the wells were not purged or sampled. Monitoring well MW-7 was not sampled due to insufficient water.

PSH was observed in three (3) monitoring wells (MW-13, MW-14 and MW-17) at a thickness of 0.46 ft, 0.02 ft, and 1.19 ft, respectively.

During the sampling event, 12 monitoring wells (MW-1, MW-4, MW-5, MW-8, MW-9, MW-11, MW-12, MW-15, MW-16, and MW-18 through MW-20) were sampled. Analytical results indicated that all samples were below the applicable laboratory Method Detection Limits (MDLs) and/or NMWQCC criteria.

June 2025 Groundwater Monitoring Event

During the June 2025 groundwater monitoring event, 20 monitoring wells were gauged. A total of 13 monitoring wells (MW-1, MW-3 through MW-5, MW-8, MW-9, MW-11, MW-12, MW-15, MW-16, and MW-18 through MW-20) were purged and sampled. Due to the presence of PSH, three (3) monitoring wells (MW-13, MW-14, and MW-17) were not sampled. It was noted that three (3) monitoring wells (MW-2, MW-6, and MW-10) were dry when gauged; therefore, the aforementioned wells were not purged or sampled. monitoring well MW-7 was not sampled due to insufficient water.

PSH was observed in three (3) monitoring wells (MW-13, MW-14, and MW-17) at a thickness of 0.07 ft, 0.01 ft, and 0.14 ft, respectively.

During the sampling event, 13 monitoring wells (MW-1, MW-3 through MW-5, MW-8, MW-9, MW-11, MW-12, MW-15, MW-16, and MW-18 through MW-20) were sampled. Analytical results indicated that all samples were below the applicable laboratory MDLs and/or NMWQCC criteria.

September 2025 Groundwater Monitoring Event

During the September 2025 groundwater monitoring event, 20 monitoring wells were gauged. A total of 13 monitoring wells (MW-1, MW-3 through MW-5, MW-8, MW-9, MW-11, MW-12, MW-15, MW-16, and MW-18 through MW-20) were purged and sampled. Due to the presence of PSH, three (3) monitoring wells (MW-13, MW-14, and MW-17) were not sampled. It was noted that three (3) monitor wells (MW-2, MW-6, and MW-10) were dry when gauged; therefore, the aforementioned wells were not purged or sampled. Monitor well MW-7 was not sampled due to insufficient water.

PSH was observed in three (3) monitor wells (MW-13, MW-14, and MW-17) at a thickness of 0.22 ft, 0.01 ft, and 0.63 ft, respectively.

During the sampling event, 13 monitor wells (MW-1, MW-3 through MW-5, MW-8, MW-9, MW-11, MW-12, MW-15, MW-16, and MW-18 through MW-20) were sampled. Analytical results indicated that all samples were below the applicable laboratory MDLs and/or NMWQCC criteria.

Groundwater Monitoring Summary

The groundwater analytical results summary of analytical data is presented in Table 2 - Groundwater Analytical Data - Historical in [Appendix B](#). PSH Thickness & Groundwater Concentration maps for the 2025 quarterly sampling are included as **Figures 3a, 3b, and 3c**, presented in [Appendix A](#). Historical BTEX concentration graphs are included as **Figure 5**, presented in [Appendix A](#). Laboratory analytical data reports and chain of custody documentation are presented in [Appendix C](#).

2. ABATEMENT OPTIONS

This section outlines the proposed abatement and remediation options for addressing groundwater impacts and any identified product presence.

2.1 Product Recovery

In 2022, during the quarters one (1) through three (3), there were two (2) air sparge bubblers operating in MW-18 and MW-19. The air sparge bubblers were removed in the fourth quarter of 2022. In 2022, MDPE events recovered an estimated total of 52.49 bbls of PSH consisting of 13.21 bbls of liquid and 39.28 bbls of vapor phase PSH.

During 2023, a total of 12 MDPE events were conducted. A total of 41.07 bbls of PSH were recovered which consisted of 27.07 bbls of vapor and 14.00 bbls of liquid.

During 2024, a total of 12 MDPE events were conducted. A total of 25.40 bbls of PSH were recovered which consisted of 18.52 bbls of vapor and 6.88 bbls of liquid.

As of September 2025, a total of nine (9) MDPE events have been conducted. A total of 13.92 bbls of PSH were recovered which consisted of 9.25 bbls of vapor and 4.67 bbls of liquid.

MDPE has been selected as the primary abatement option for PSH recovery at the site and continues to demonstrate effectiveness, as shown by reductions in PSH saturation within impacted wells and the year-over-year decrease in recoverable product. This consistent downward trend, also referenced in **Figure 4**, representing a total reduction of nearly 75% in annual PSH recovery between 2022 and 2025, indicates that product within the plume is diminishing and confirms that MDPE is effectively mitigating remaining impacts. These recovery events will continue until they become impracticable for further product recovery. Upon cessation of MDPE recovery events, alternative abatement technologies will be evaluated and implemented as deemed necessary.

2.2 Groundwater Remediation Strategy

Given the demonstrated stability of the PSH plume—attributed to ongoing MDPE activities—and the absence of BTEX exceedances in certain monitoring wells for more than eight consecutive sampling events, Talon recommends discontinuing sampling at the following wells: MW-9, MW-11, MW-12, and MW-18 through MW-20. Monitoring wells MW-3, MW-4 and MW-5 serve as a delineation boundary for the site.

3. ABATEMENT ACTIVITIES

This section outlines the implementation of the selected abatement strategies described above. It defines the specific tasks, methods, and schedule for field activities, and provides details regarding quality assurance and quality control (QA/QC) procedures and waste management.

3.1 Schedule

Outlined below are the schedules for implementing product recovery activities through MDPE and the continued groundwater monitoring events, along with the associated NMOCD reporting requirements. Moving forward, MDPE will continue to be used to reduce PSH impacts, while routine monitoring of applicable wells will help verify shrinking plume conditions and guide further reduction of the impacted area. As product is removed from wells, those wells will transition to dissolved-phase sampling to confirm sustained improvement. Additionally, recent clean groundwater data indicates that fewer exterior wells will require ongoing sampling, thereby reducing the overall monitoring footprint of the site.

Assuming current downward trends in PSH thickness and dissolved-phase constituent exceedances persist as a result of ongoing MDPE operations and natural attenuation processes, it is projected that residual impacts will decline to concentrations consistent with regulatory closure criteria within an estimated five (5) to seven (7) year timeframe. If subsequent monitoring data indicate a deviation from these trends, the remedial approach and associated abatement technologies will be re-evaluated to ensure continued progress toward site closure objectives.

3.1.1 Product Recovery

MDPE events will continue to be conducted on a monthly basis at monitoring wells MW-13, MW-14, and MW-17 as part of the ongoing remediation strategy. These activities are intended to enhance product recovery and maintain effective control of subsurface conditions.

The effectiveness of product recovery will be gauged by tracking the volume of recovered hydrocarbons over time and comparing these results against established remediation performance benchmarks.

3.1.2 Groundwater Monitoring

Groundwater monitoring events will continue on a quarterly basis. Each event will involve gauging static water levels and collecting groundwater samples from monitoring wells not impacted by PSH. Monitoring wells with detectable levels of PSH will be sampled once no measurable PSH is present. Quarterly sampling schedule is as follows:

- Quarter 1: January through March;
- Quarter 2: April through June;
- Quarter 3: July through September; and
- Quarter 4: October through December.

Groundwater samples will be analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX) by the Environmental Protection Agency (EPA) Method SW-846 8021B.

Comprehensive annual reports will be prepared, providing figures, laboratory analytical data, summary tables, and other supplementary information, as necessary.

3.2 Quality Assurance/Quality Control

This section outlines the quality assurance and quality control (QA/QC) measures implemented during abatement activities to ensure the collection of reliable, defensible, and representative data. QA/QC procedures apply to all field activities, sampling events, laboratory analyses, and data management processes.

3.2.1 Field Measurements

Field measurement procedures will be conducted in a manner that ensures accuracy, repeatability, and consistency across all monitoring events. Field activities include PSH thickness measurements, water-level gauging, and fluid recovery documentation.

- Fluid level gauging: Measurements will be collected using a calibrated oil/water IP capable of distinguishing PSH thickness. The probe will be inspected and tested for proper operation before each event.
- Water-level measurements: Depth to water will be measured to the nearest 0.01 foot. For wells containing PSH, corrected water-level elevations will be calculated using the measured PSH thickness and specific gravity correction factor.
- Equipment and calibration: All field meters (e.g., interface probes) will be calibrated daily following manufacturer procedures. Calibration records will be maintained in the field logbook or applicable form.

3.2.2 Sampling Methodology

Monitor wells not impacted with PSH will be purged a minimum of three (3) well volumes using a submersible pump equipped with low-density polyethylene (LDPE) tubing.

- After each use, the purge pump and tubing will be thoroughly decontaminated with Liquinox® detergent and rinsed with distilled water to prevent cross-contamination.
- Groundwater samples will be collected using a dedicated disposable polyethylene bailer to maintain sample integrity.
- Laboratory-supplied containers with the appropriate preservatives will be utilized for sample collection in accordance with analytical requirements. Immediately following collection, samples will be placed on ice and maintained under proper temperature control.
- All samples will be transported under Chain-of-Custody (COC) by Talon personnel to Permian Basin Environmental Labs in Midland, Texas for analysis.

3.2.3 Data Usability

Groundwater sampling and analytical techniques will conform to the references identified in Subsection B of 20.6.2.3107 NMAC and with 20.6.4.14 NMAC of the water quality standards for interstate and intrastate surface waters in New Mexico. Groundwater samples will be transported to Permian Basin Environmental Lab, LP (PBE) in Midland, Texas, a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory.

3.3 Waste

Groundwater Monitoring Events

Recovered purge water and any water generated during the decontamination process will be contained in a small on-site tank to ensure proper handling and temporary storage. At the conclusion of each groundwater monitoring event, all retained water is transferred into the on-site storage tank located within a secondary containment structure. Subsequently, the accumulated fluids are removed by a vacuum truck and transported to a NMOCD licensed disposal facility, in full compliance with regulatory requirements and environmental best practices.

MDPE Events

Fluids recovered by the extraction pumps will be securely contained in an on-site 1,600-gallon polyethylene (poly) storage tank designed for durability and environmental safety. For additional protection, the tank is positioned within a secondary containment structure, providing an extra safeguard against potential spills and minimizing environmental risk.

Recovered groundwater and PSH will be removed from the poly tank and transported to an NMOCD approved disposal as directed by Plains at the end of each MDPE event.

4. PUBLIC NOTIFICATION

In accordance with 19.15.30.15 NMAC Public Notice and Participation, Talon searched for surface owners of record within one (1) mile of known groundwater contamination at the Site. Property owners within one (1) mile, along with the Lea County Commission and the New Mexico trustee for natural resources, will need to be given written notice of the Stage 2 Abatement Plan before public notice in accordance with 19.15.30.15A NMAC. Upon NMOCD approval of this Updated Stage 2 Groundwater Abatement Plan, Plains will issue the NMOCD-approved public notice in the following newspapers:

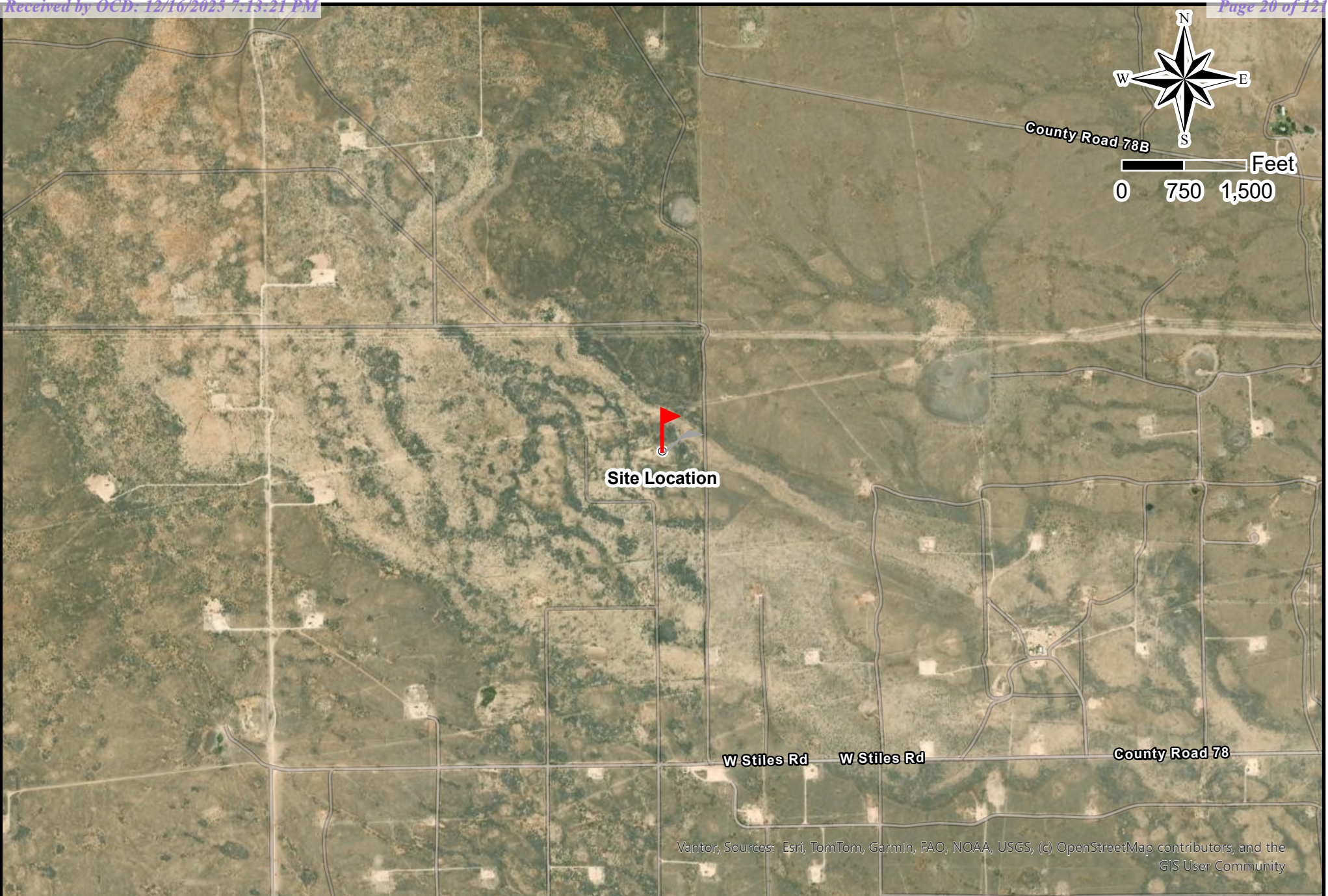
- Lea County Tribune, a newspaper in general circulation in Lea County, New Mexico, covering Hobbs, Lovington, and Lea County, New Mexico; and
- Albuquerque Journal, in general circulation across New Mexico

Within 15 days after the division determines that this Stage 2 Groundwater Abatement Plan is administratively complete, Plains will issue the finalized version of the Draft Public Notice in the newspapers specified above presented in [Attachment D](#).



APPENDIX A

Figures

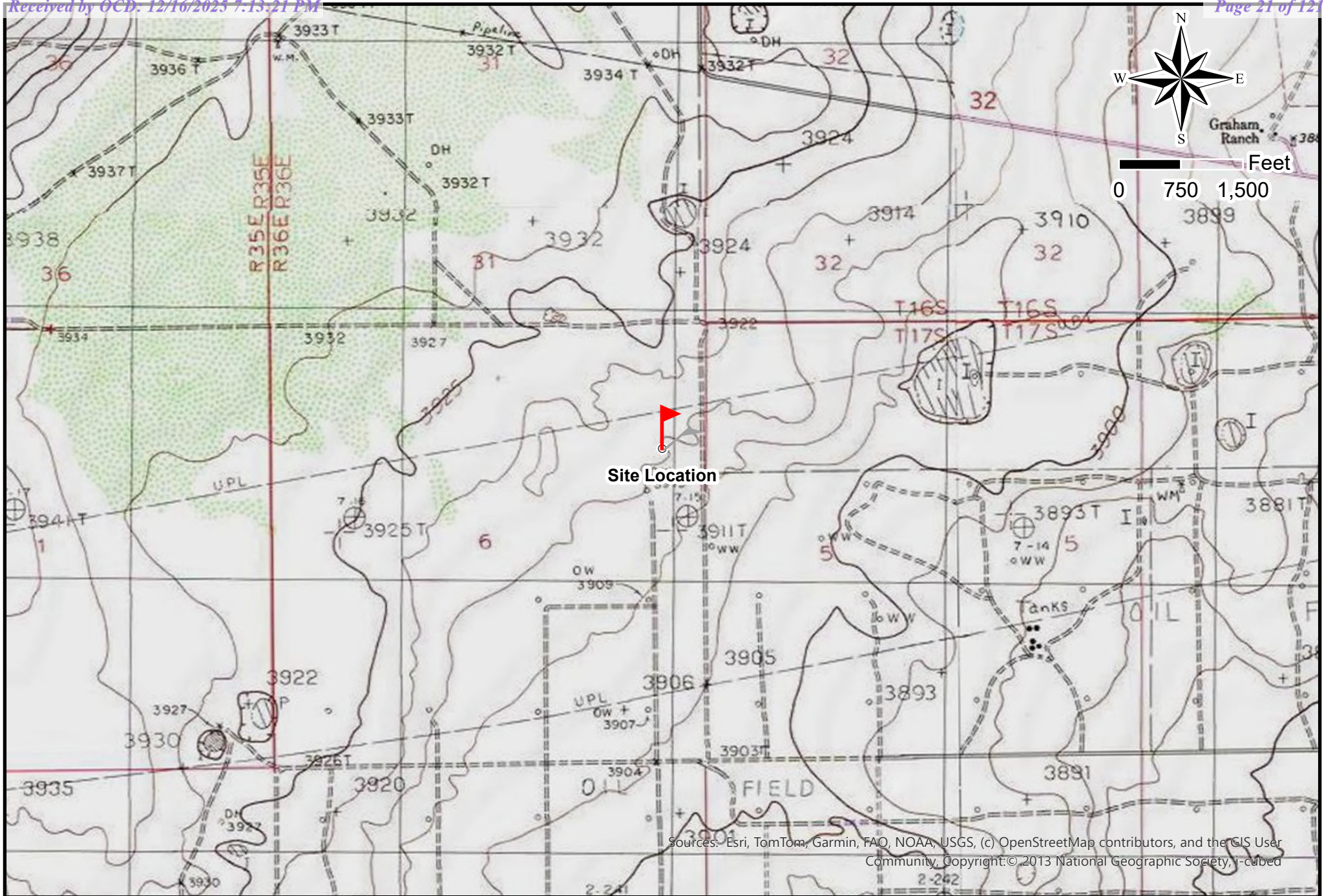


Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community



Drafted: 11/21/2025
 1 in = 1,500 ft
 Drafted By: JAI

Lovington Deep 6"
 SRS # 2002-10312, NMOCD REF. #nAPP2109530339
 SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico
 32.867039, -103.387542
 Figure 1a - Area Map

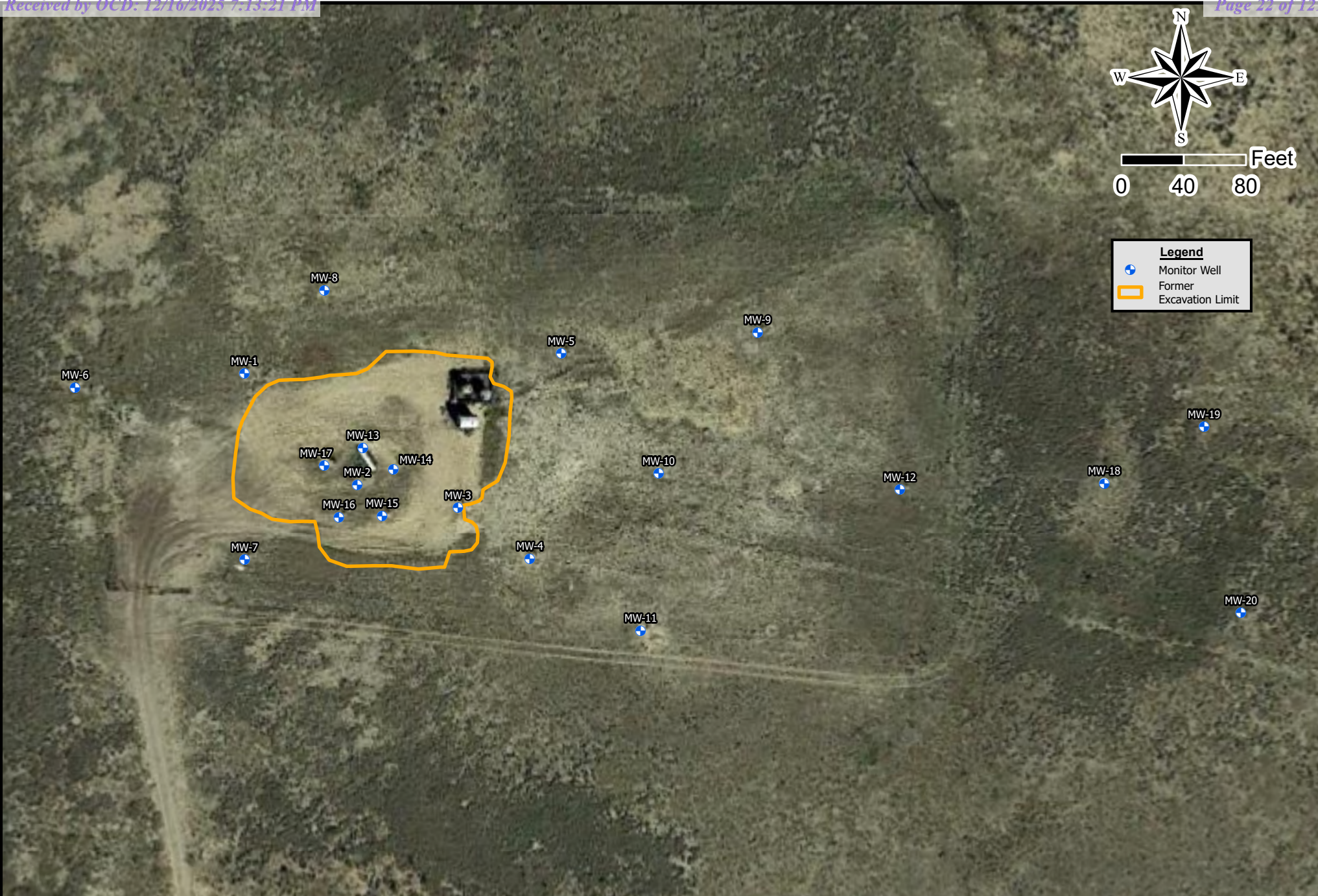


Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Copyright © 2013 National Geographic Society, I-cubed



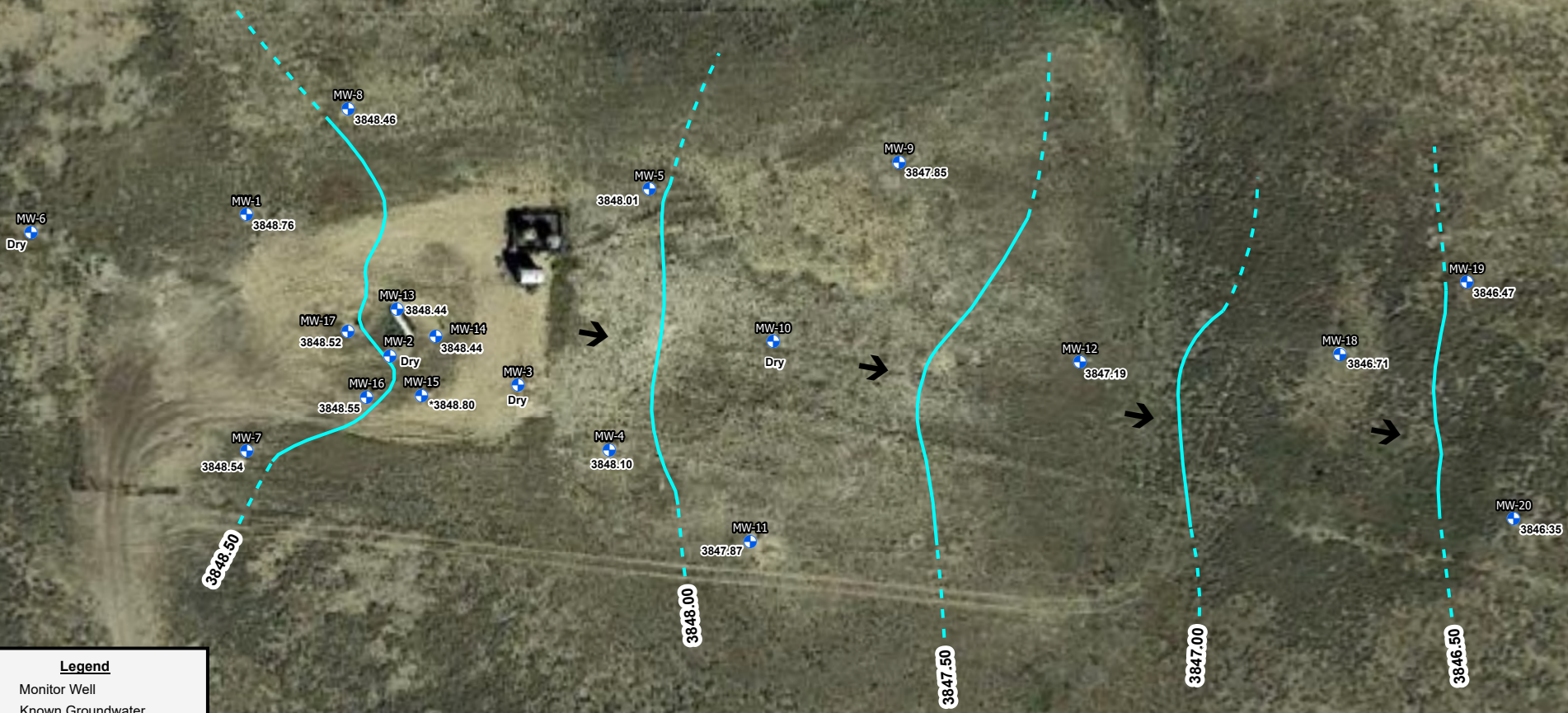
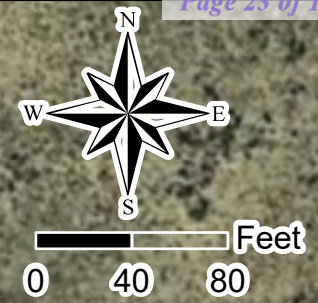
Drafted: 11/21/2025
 1 in = 1,500 ft
 Drafted By: JAI

Lovington Deep 6"
 SRS # 2002-10312, NMOCD REF. #nAPP2109530339
 SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico
 32.867039, -103.387542
 Figure 1b - Topographic Map



Drafted: 12/9/2025
 1 in = 80 ft
 Drafted By: JAI

Lovington Deep 6"
 SRS # 2002-10312, NMOCD REF. #nAPP2109530339
 SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico
 32.867039, -103.387542
 Figure 1c - Site Map



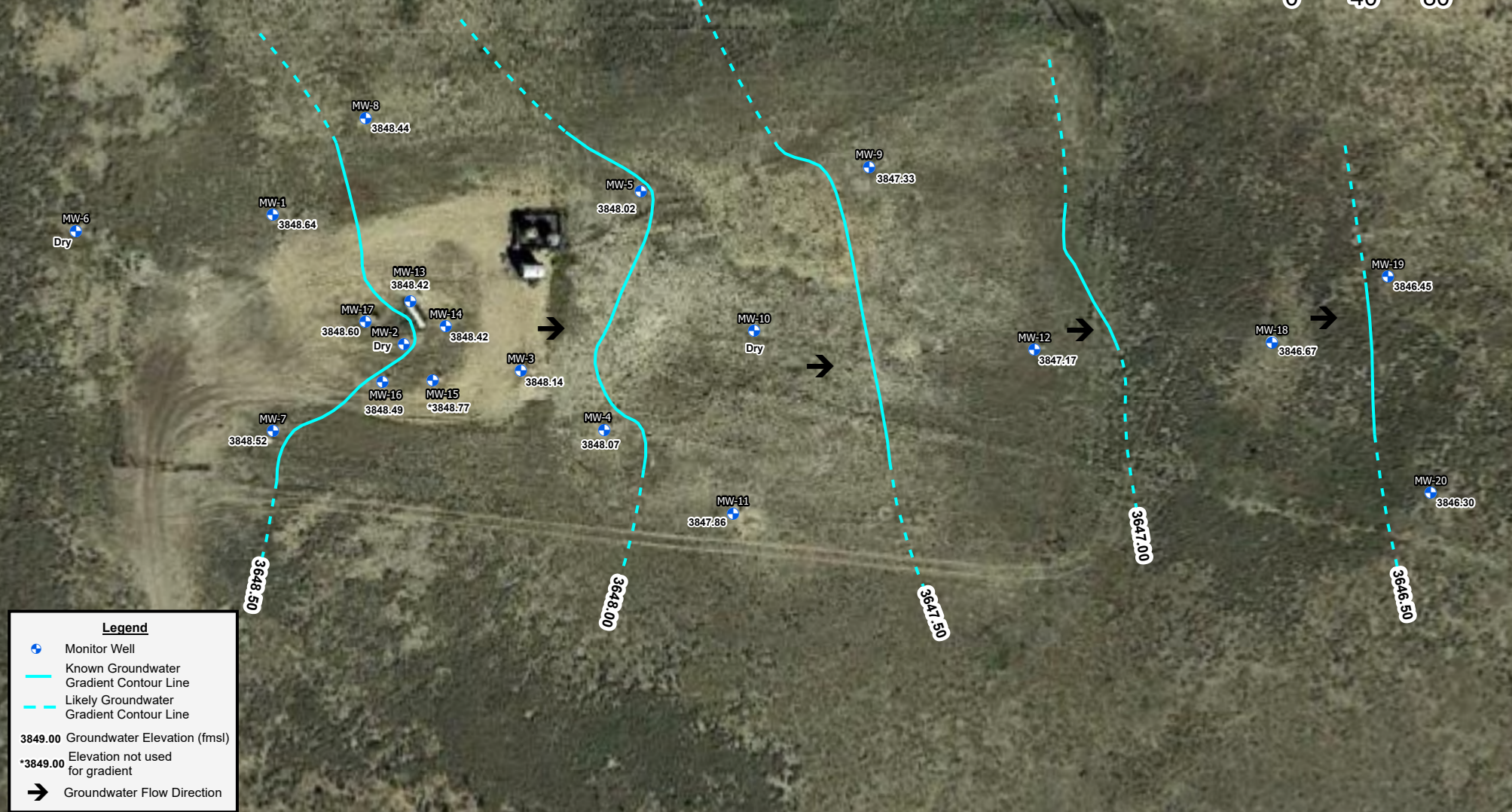
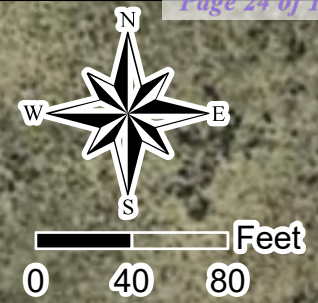
Legend

- Monitor Well
- Known Groundwater Gradient Contour Line
- Likely Groundwater Gradient Contour Line
- 3849.00 Groundwater Elevation (fmsl)
- *3849.00 Elevation not used for gradient
- Groundwater Flow Direction



Drafted: 11/26/2025
 1 in = 80 ft
 Drafted By: JAI

Lovington Deep 6"
 SRS # 2002-10312, NMOCD REF. #nAPP2109530339
 SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico
 32.867039, -103.387542
 Figure 2a - Groundwater Gradient Map (03/11/2025)



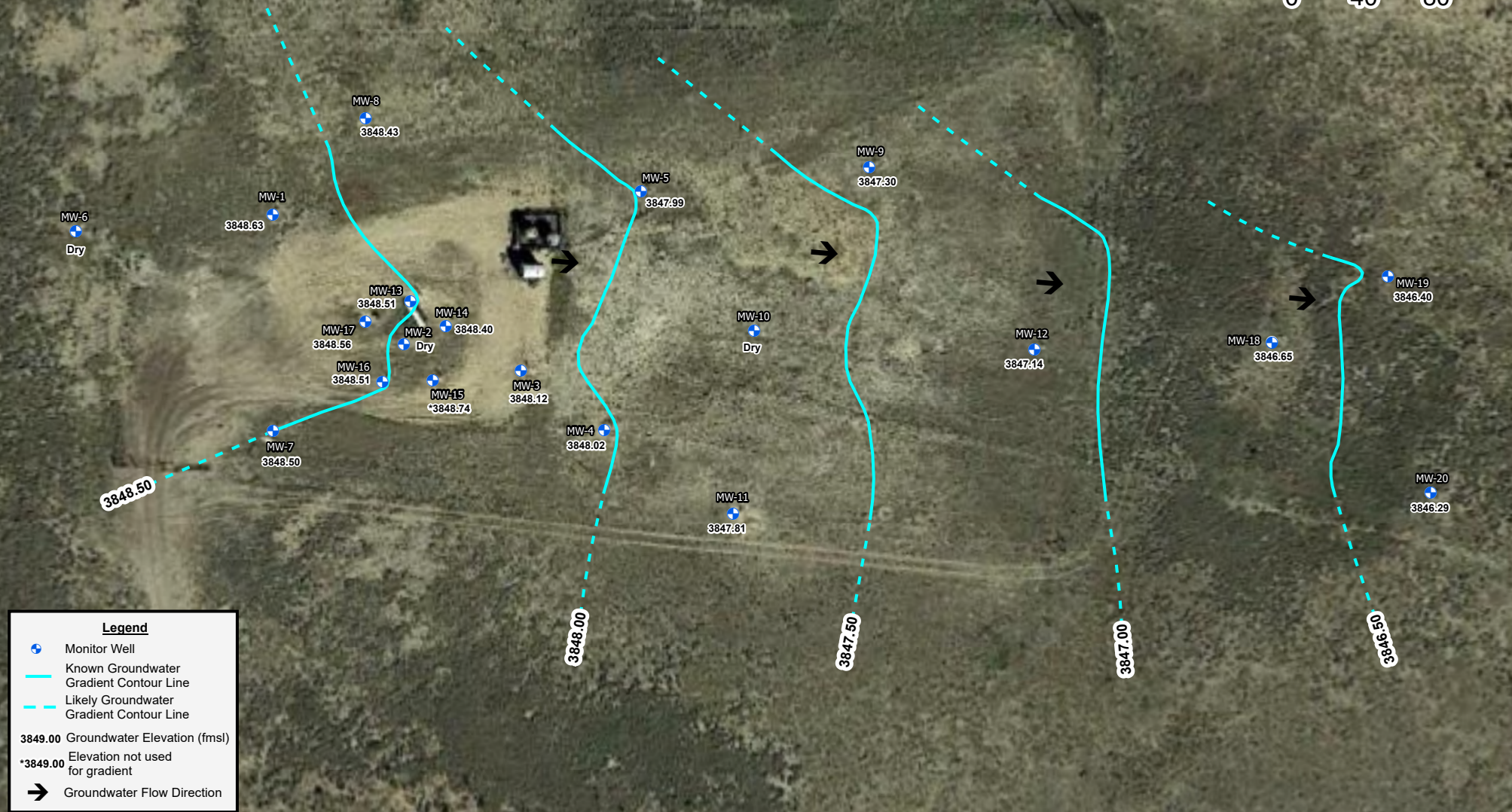
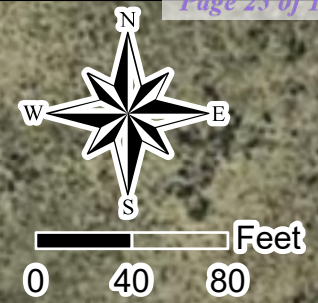
Legend

- Monitor Well
- Known Groundwater Gradient Contour Line
- Likely Groundwater Gradient Contour Line
- 3849.00 Groundwater Elevation (fmsl)
- *3849.00 Elevation not used for gradient
- Groundwater Flow Direction



Drafted: 6/27/2025
 1 in = 80 ft
 Drafted By: JAI

Lovington Deep 6"
 SRS # 2002-10312, NMOCD REF. #nAPP2109530339
 SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico
 32.867039, -103.387542
 Figure 2b - Groundwater Gradient Map (06/02/2025)



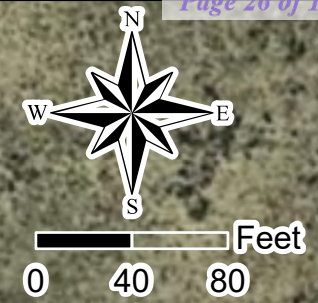
Legend

- Monitor Well
- Known Groundwater Gradient Contour Line
- Likely Groundwater Gradient Contour Line
- 3849.00 Groundwater Elevation (fmsl)
- *3849.00 Elevation not used for gradient
- Groundwater Flow Direction



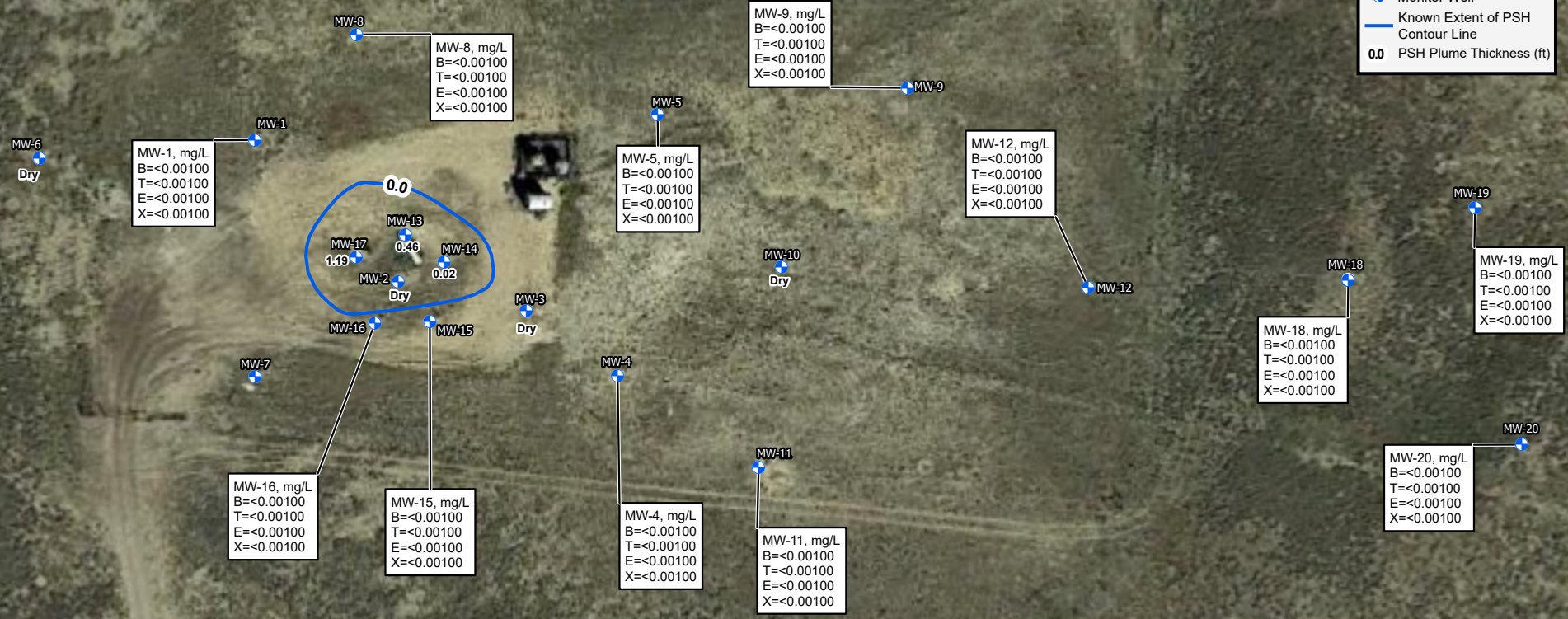
Drafted: 11/26/2025
 1 in = 80 ft
 Drafted By: JAI

Lovington Deep 6"
 SRS # 2002-10312, NMOCD REF. #nAPP2109530339
 SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico
 32.867039, -103.387542
 Figure 2c - Groundwater Gradient Map (09/02/2025)



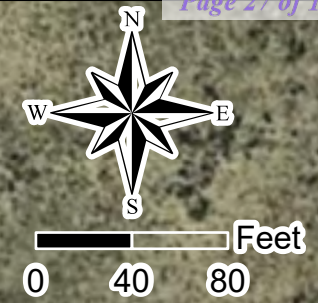
Legend

- + Monitor Well
- Known Extent of PSH
- Contour Line
- 0.0** PSH Plume Thickness (ft)



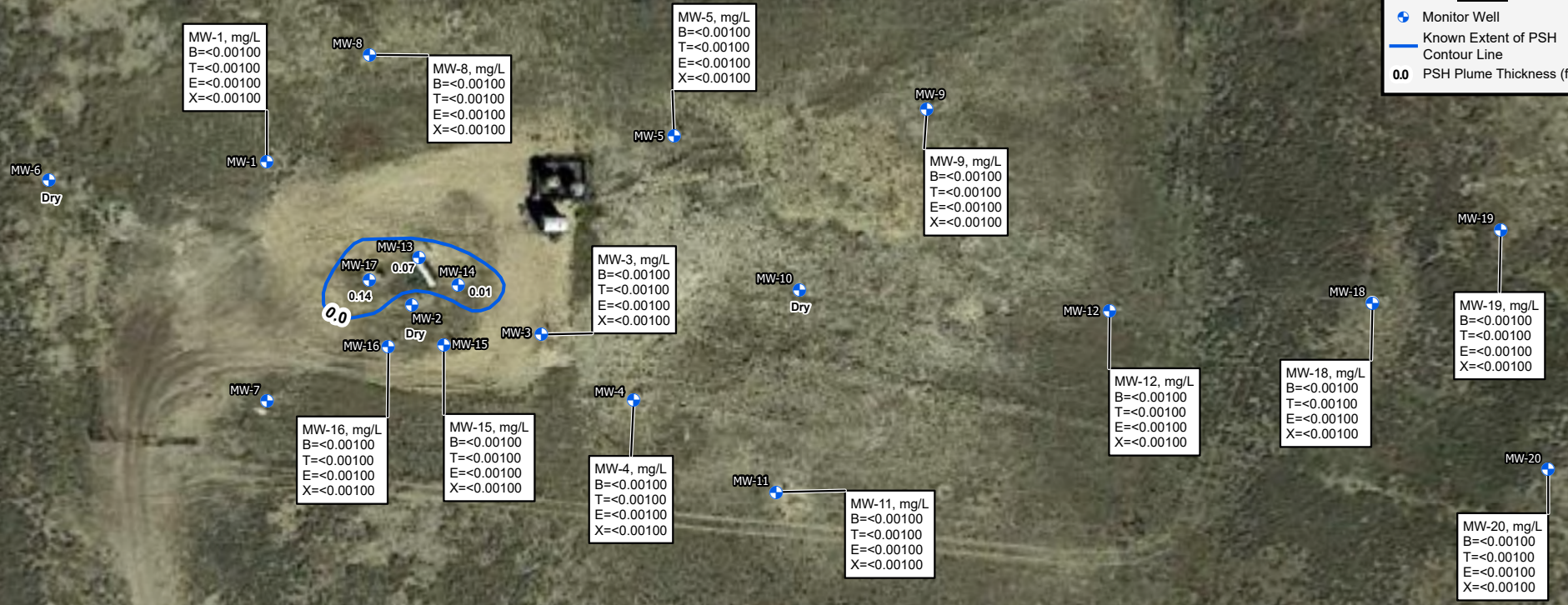
Drafted: 5/30/2025
 1 in = 80 ft
 Drafted By: JAI

Lovington Deep 6"
 SRS # 2002-10312, NMOCD REF. #nAPP2109530339
 SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico
 32.867039, -103.387542
 Figure 3a - PSH Thickness and Groundwater Concentration Map (03/11/2025)



Legend

- + Monitor Well
- Known Extent of PSH Contour Line
- 0.0** PSH Plume Thickness (ft)



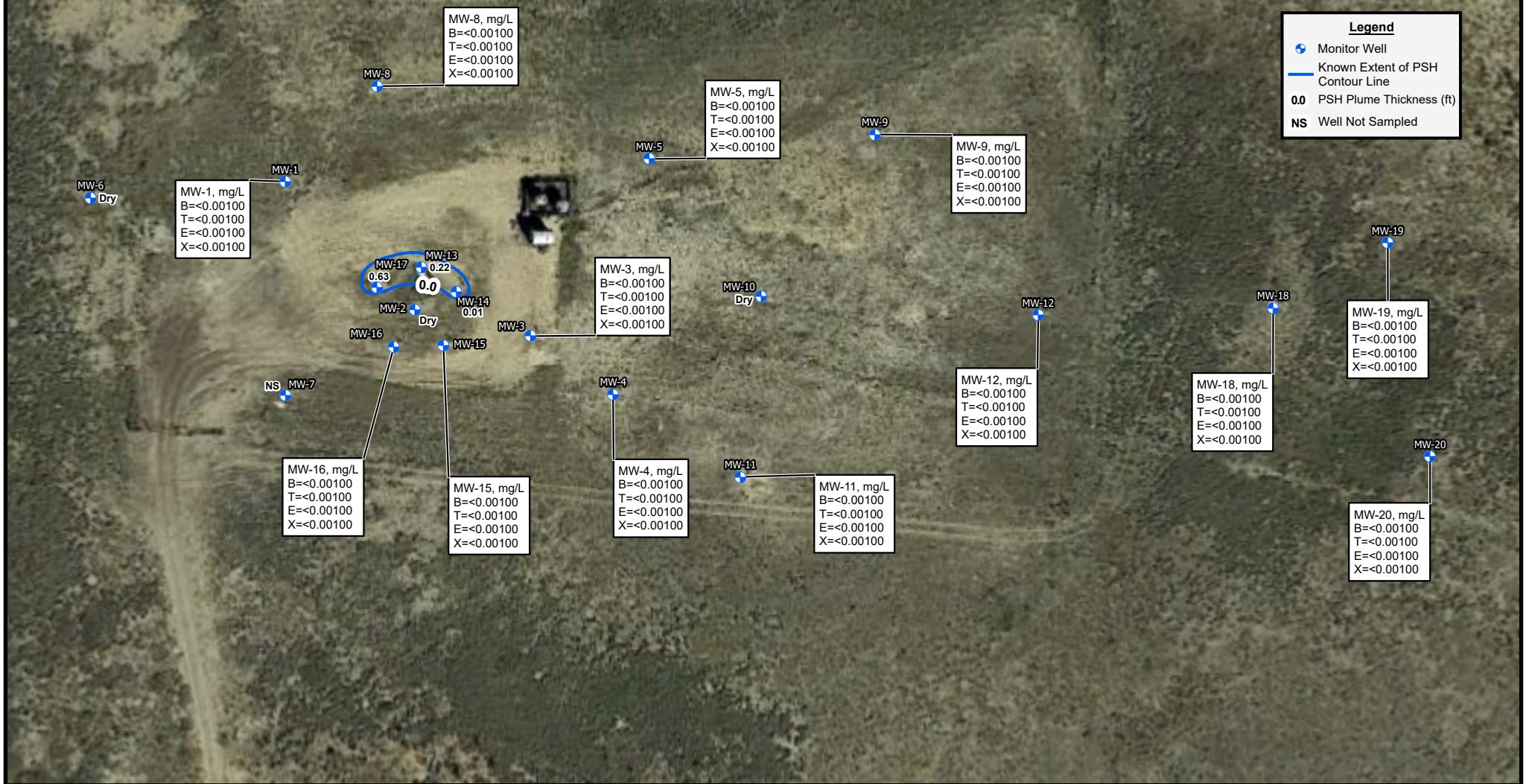
Drafted: 6/27/2025
 1 in = 80 ft
 Drafted By: JAI

Lovington Deep 6"
 SRS # 2002-10312, NMOCD REF. #nAPP2109530339
 SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico
 32.867039, -103.387542
 Figure 3b - PSH Thickness and Groundwater Concentration Map (06/02/2025)



Legend

- Monitor Well
- Known Extent of PSH Contour Line
- 0.0** PSH Plume Thickness (ft)
- NS** Well Not Sampled



Drafted: 11/21/2025
 1 in = 80 ft
 Drafted By: JAI

Lovington Deep 6"
 SRS # 2002-10312, NMOCD REF. #nAPP2109530339
 SE 1/4 of the NE 1/4, Sec. 6, T17S, R36E, Lea County, New Mexico
 32.867039, -103.387542
 Figure 3c - PSH Thickness and Groundwater Concentration Map (09/02/2025)

Figure 4 - Hydrographs - Historical
Lovington Deep 6"
Lea County, NM
SRS#: 2002-10312

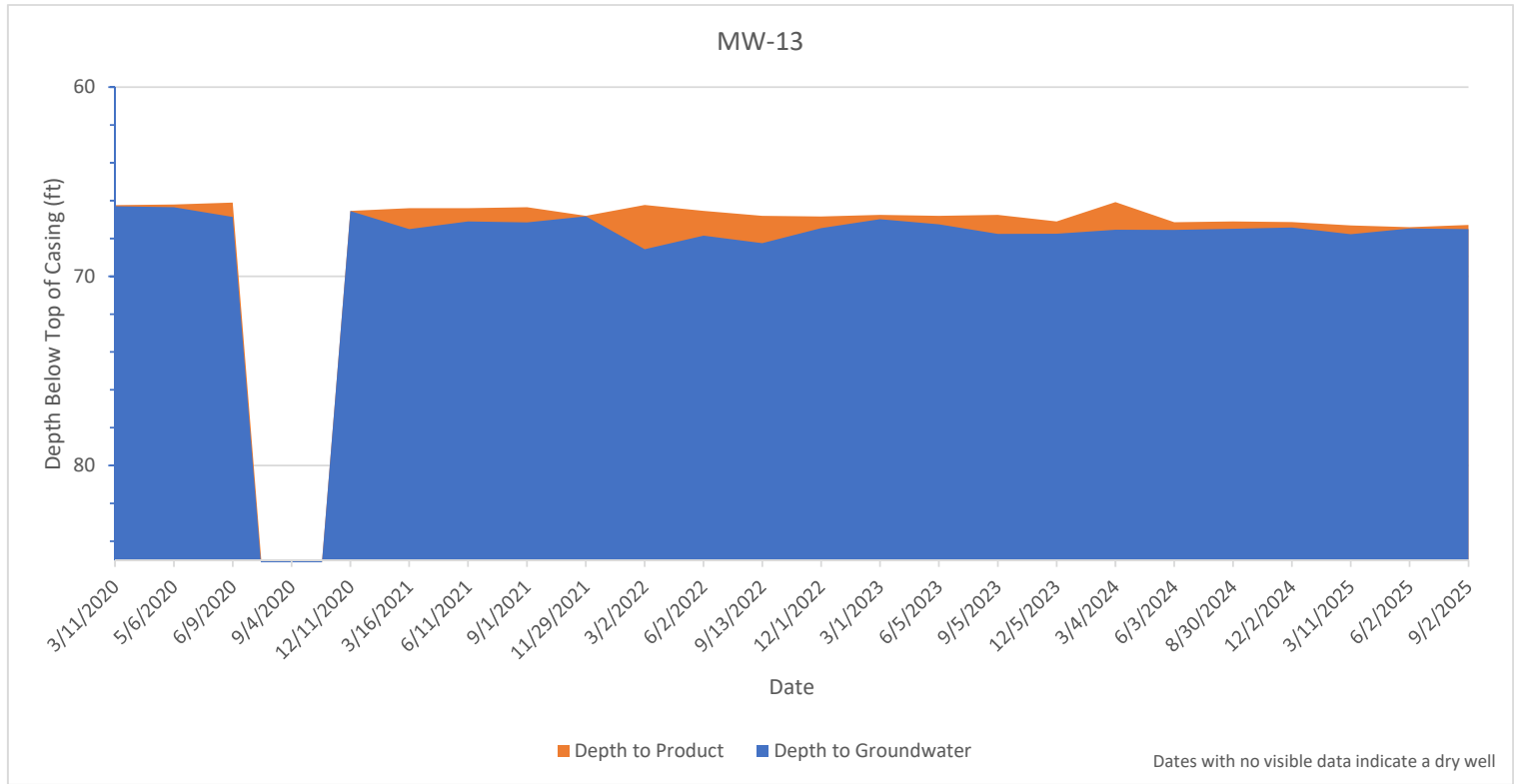
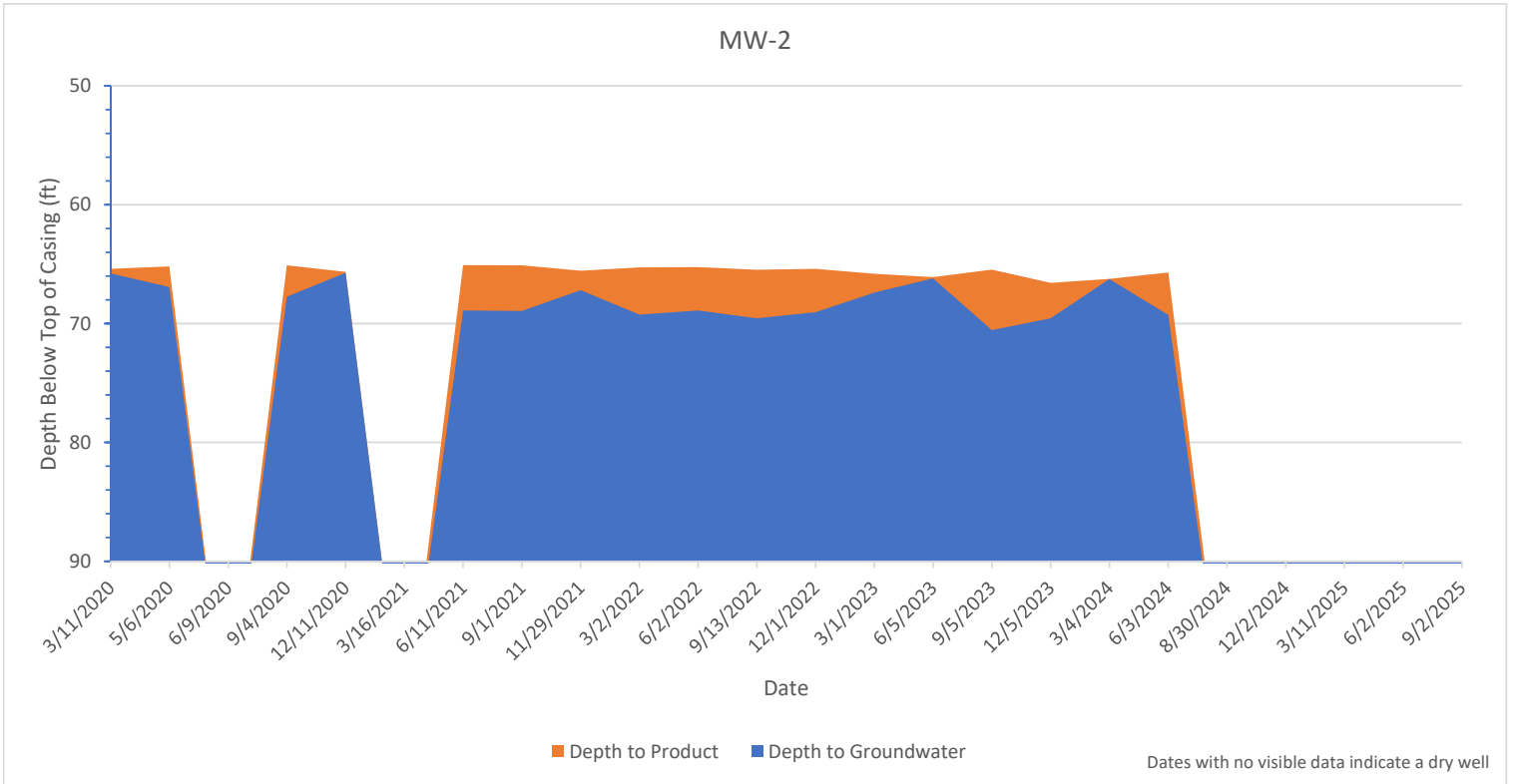


Figure 4 - Hydrographs - Historical
Lovington Deep 6"
Lea County, NM
SRS#: 2002-10312

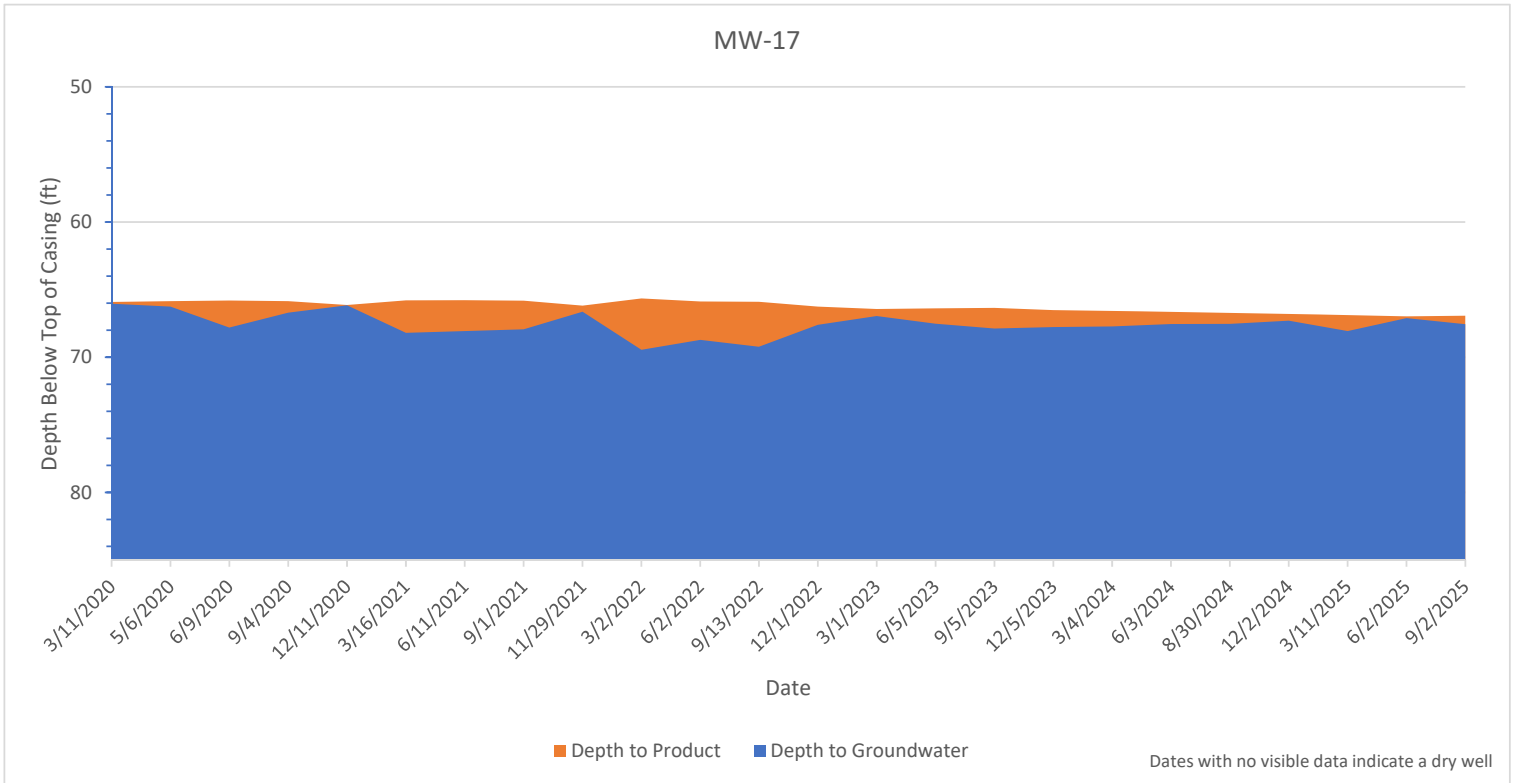
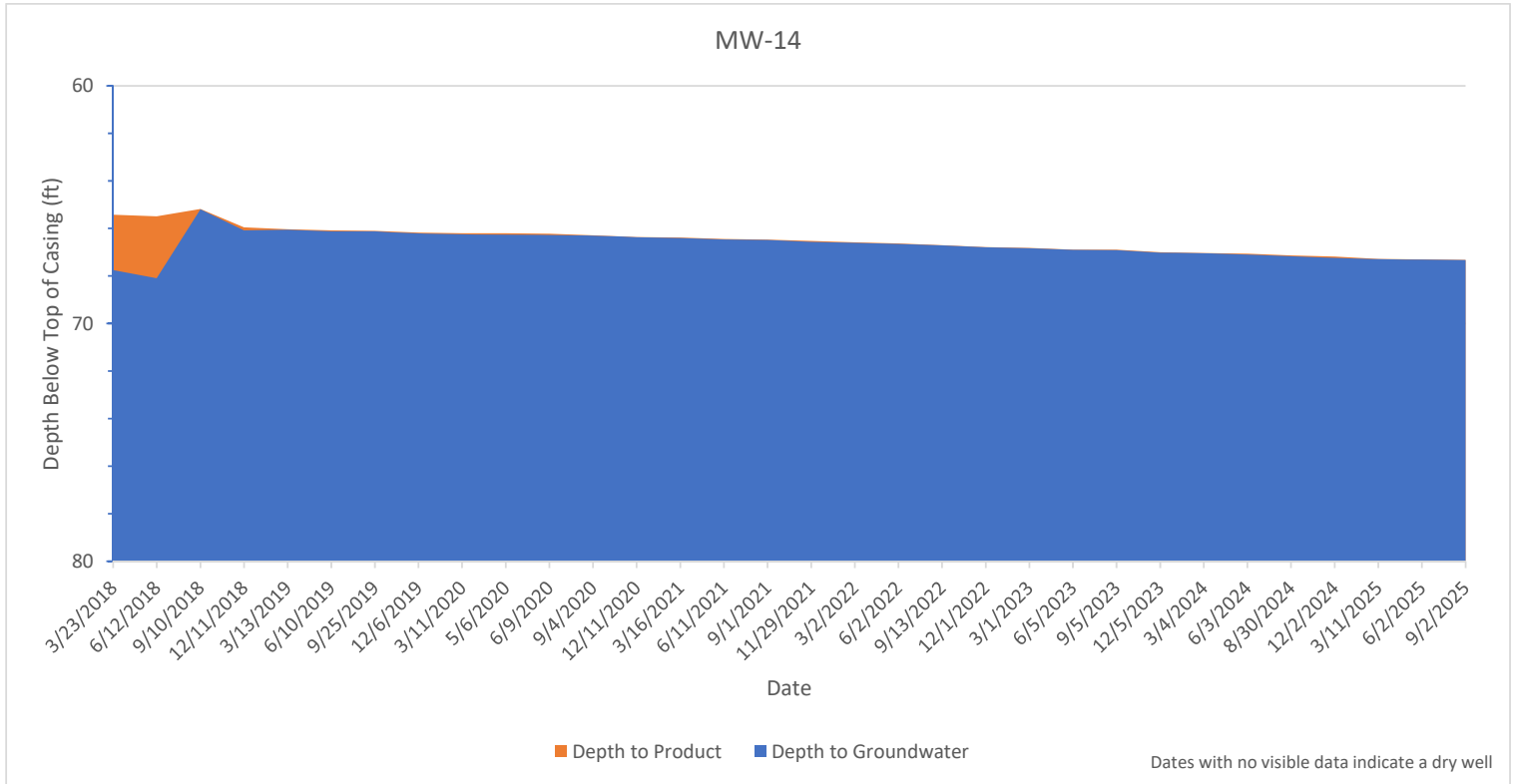


Figure 5 - BTEX Concentration Graphs - Historical
Lovington Deep 6"
Lea County, NM
SRS#: 2002-10312

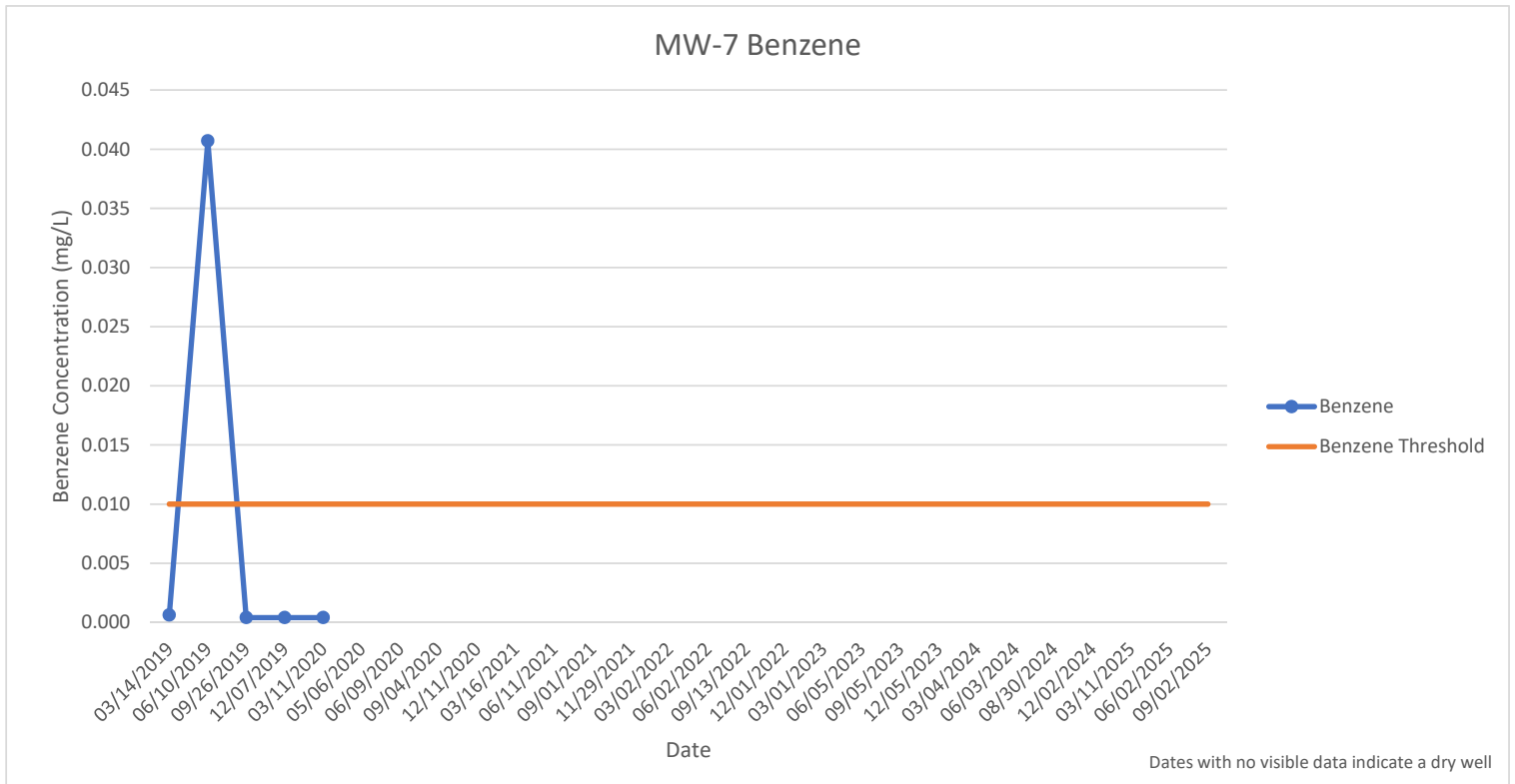
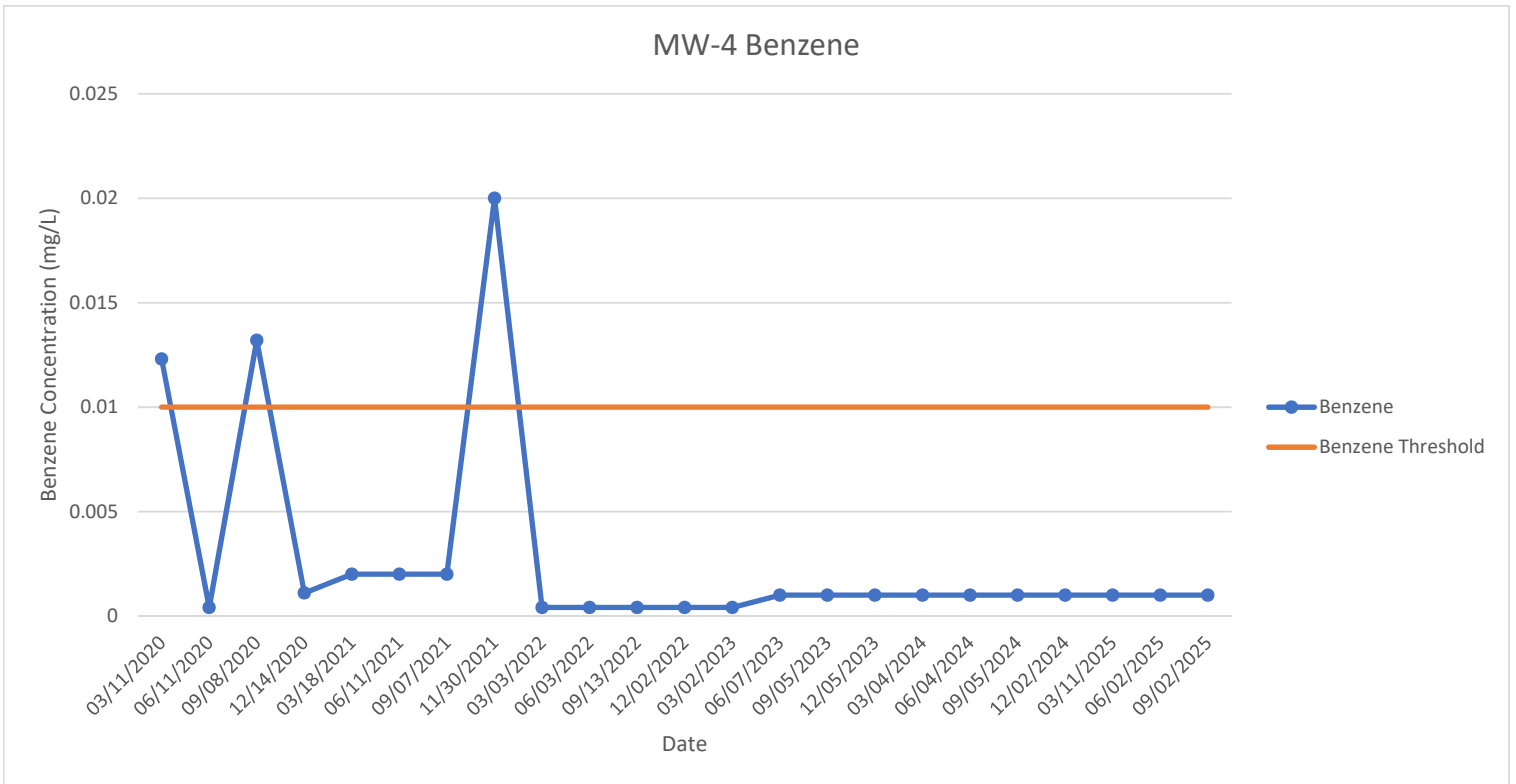


Figure 5 - BTEX Concentration Graphs - Historical

Lovington Deep 6"

Lea County, NM

SRS#: 2002-10312

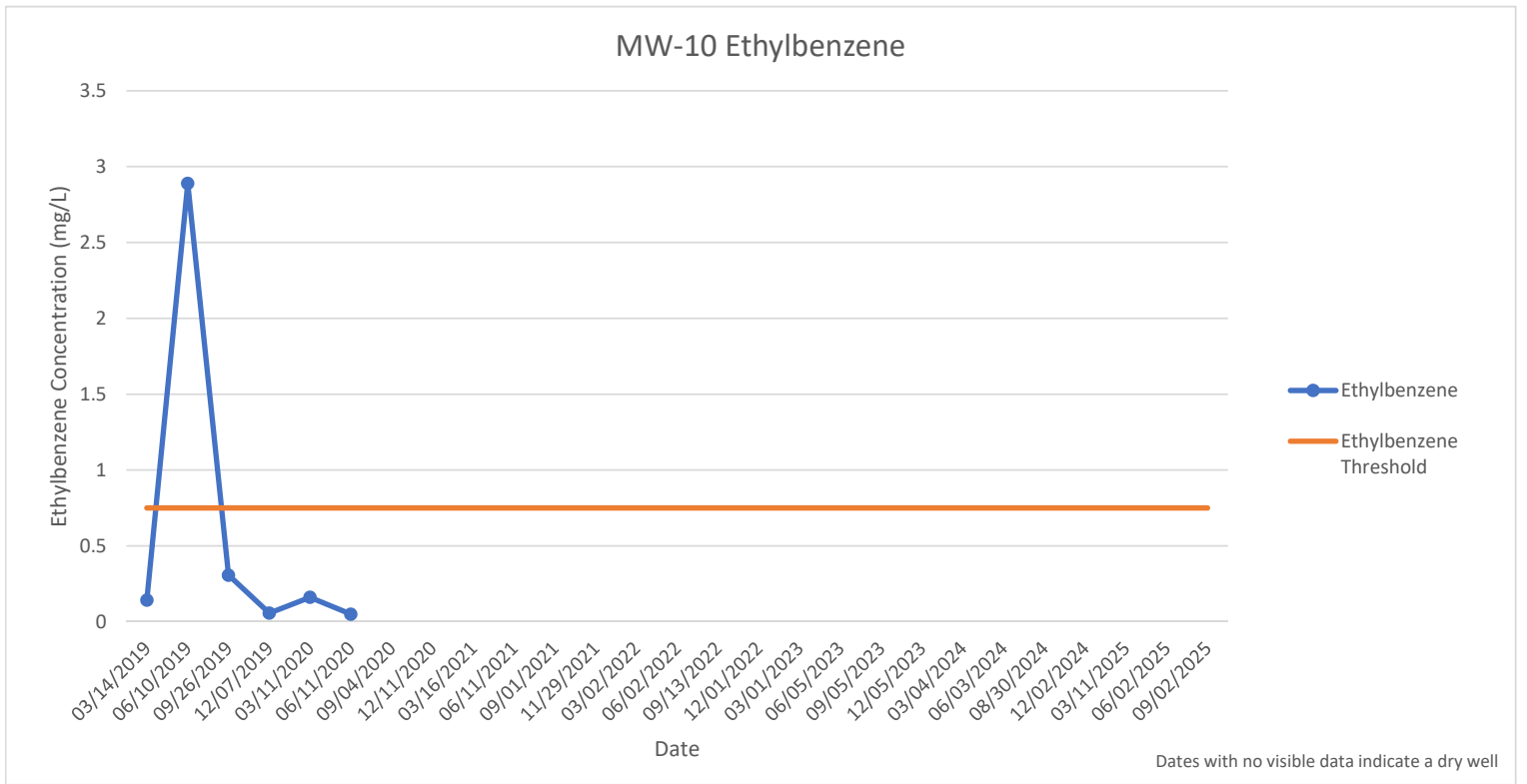
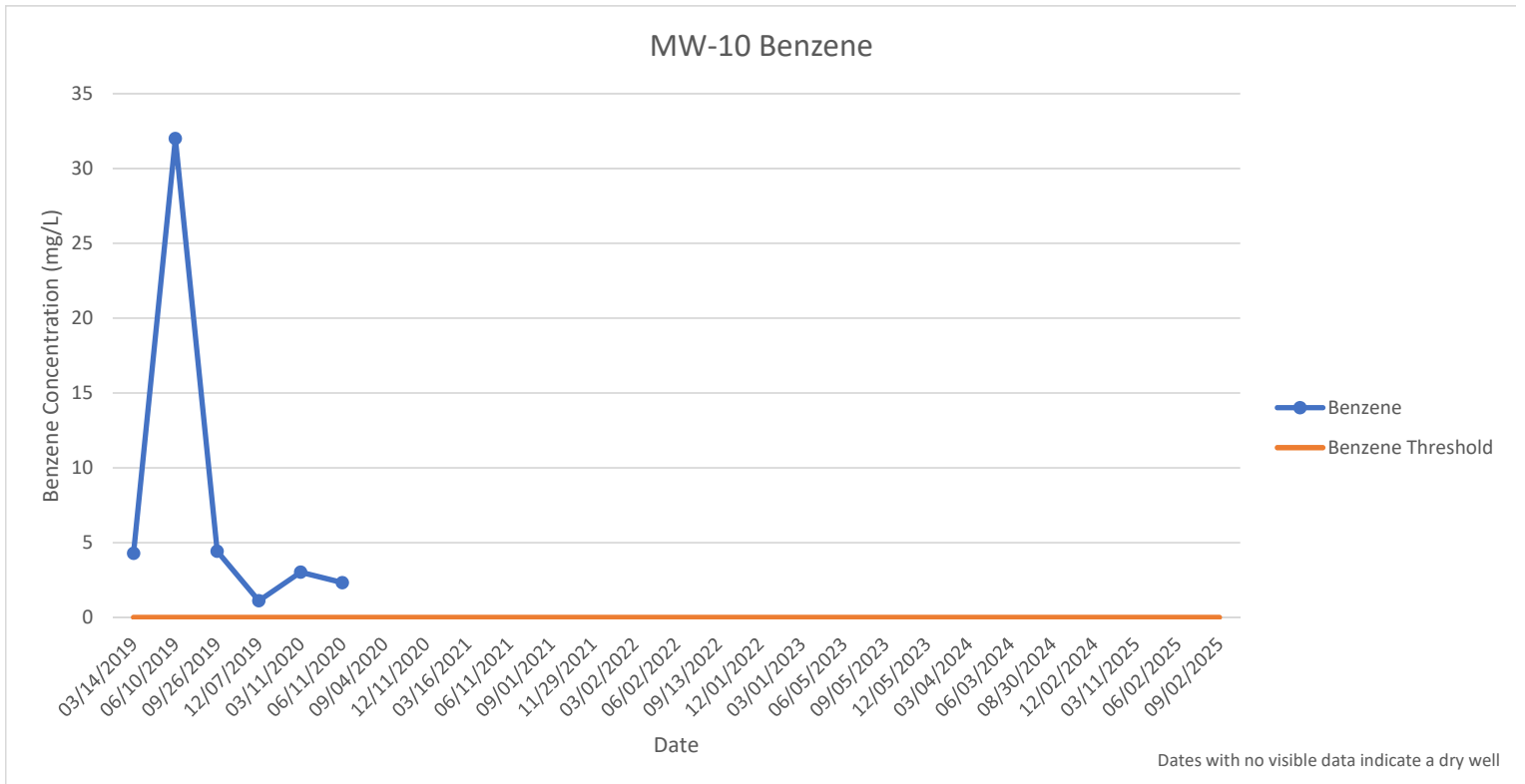


Figure 5 - BTEX Concentration Graphs - Historical
Lovington Deep 6"
Lea County, NM
SRS#: 2002-10312

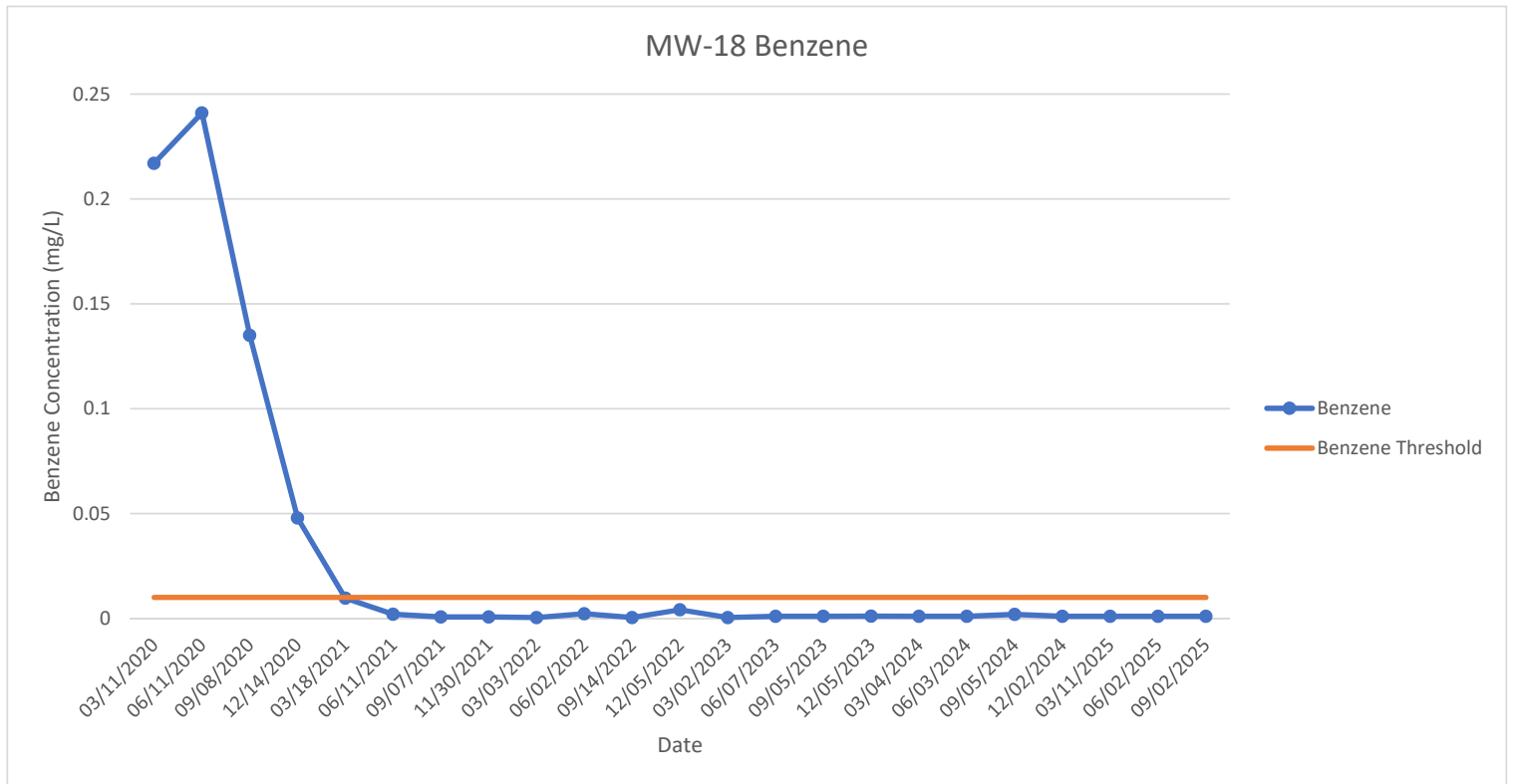
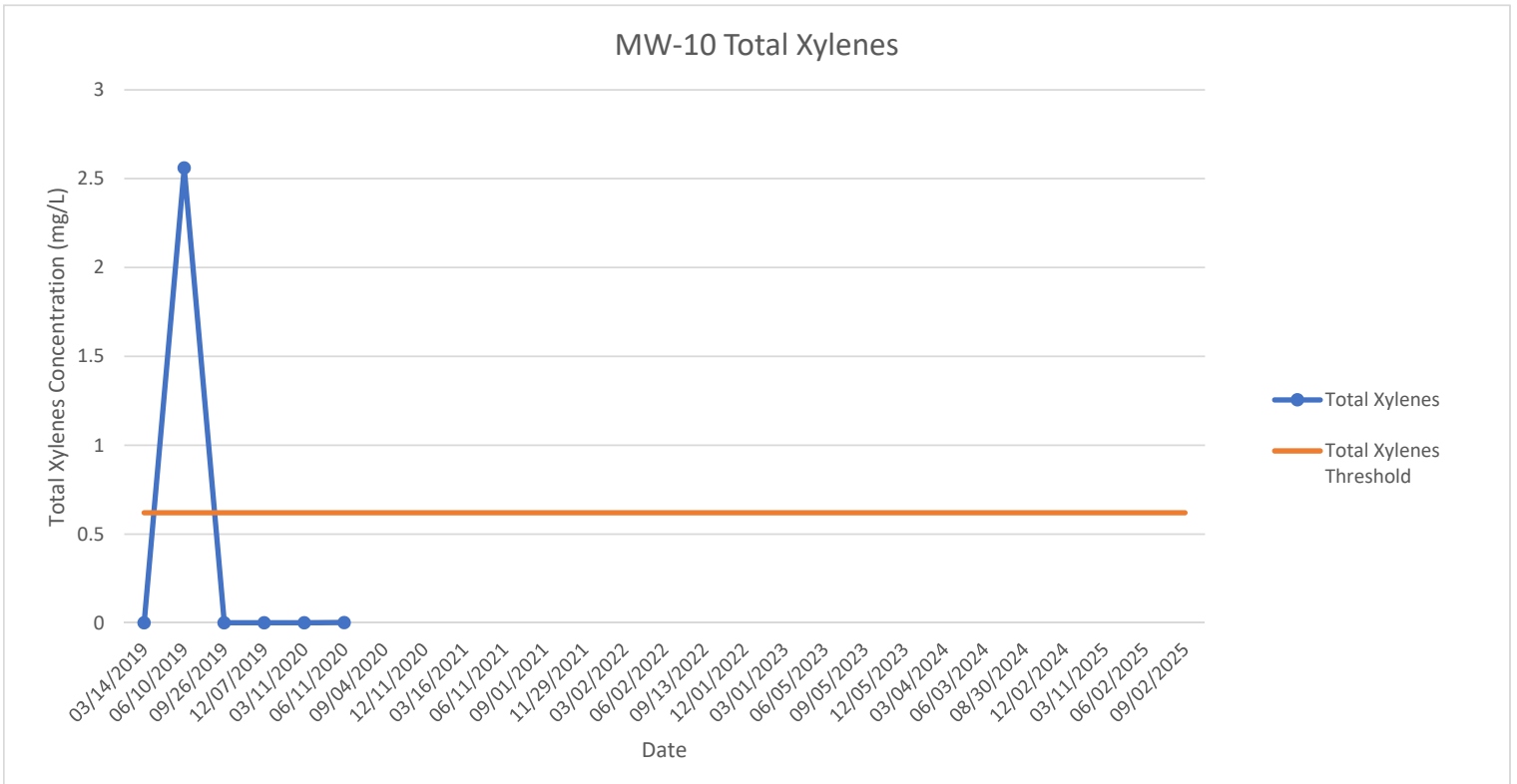
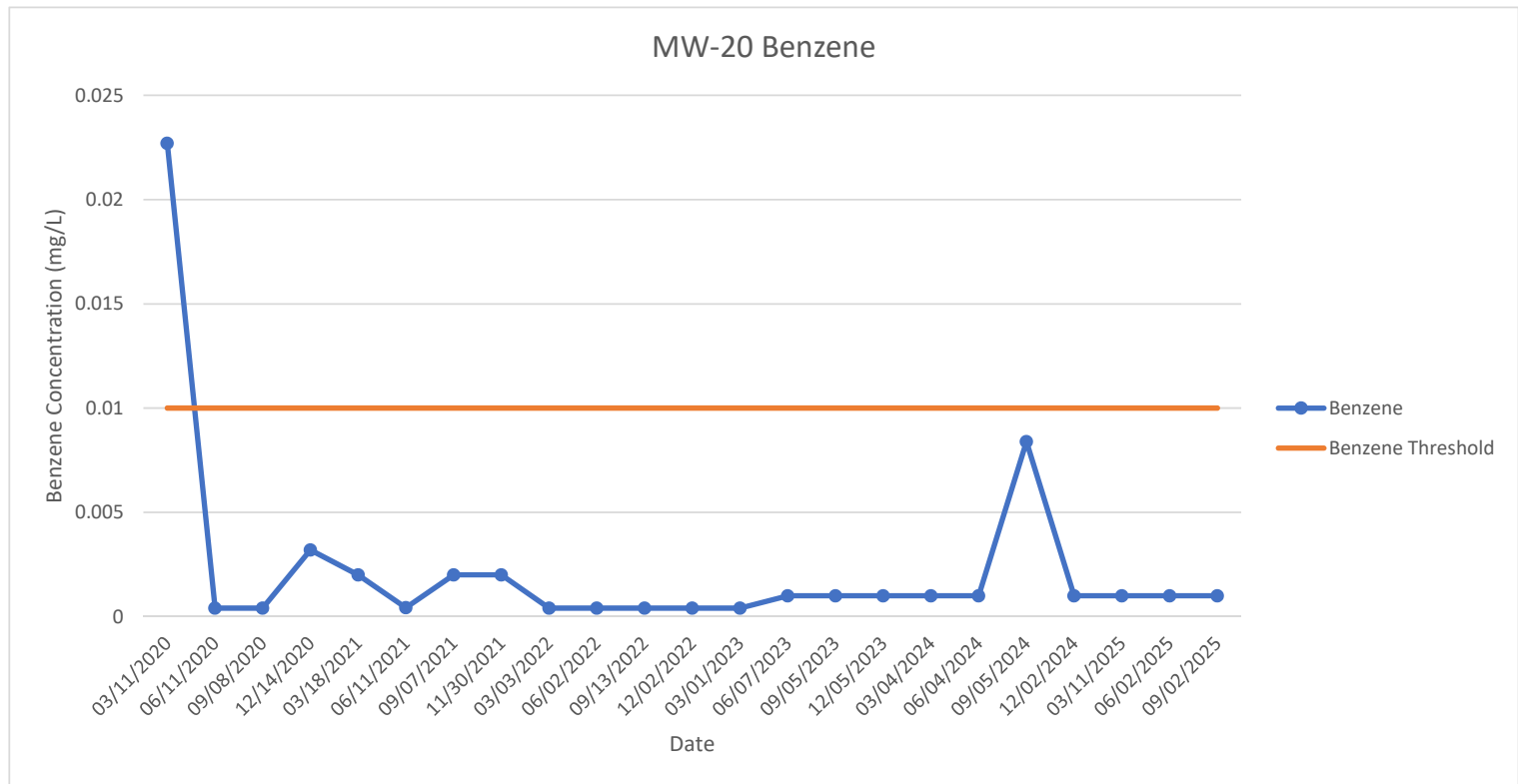
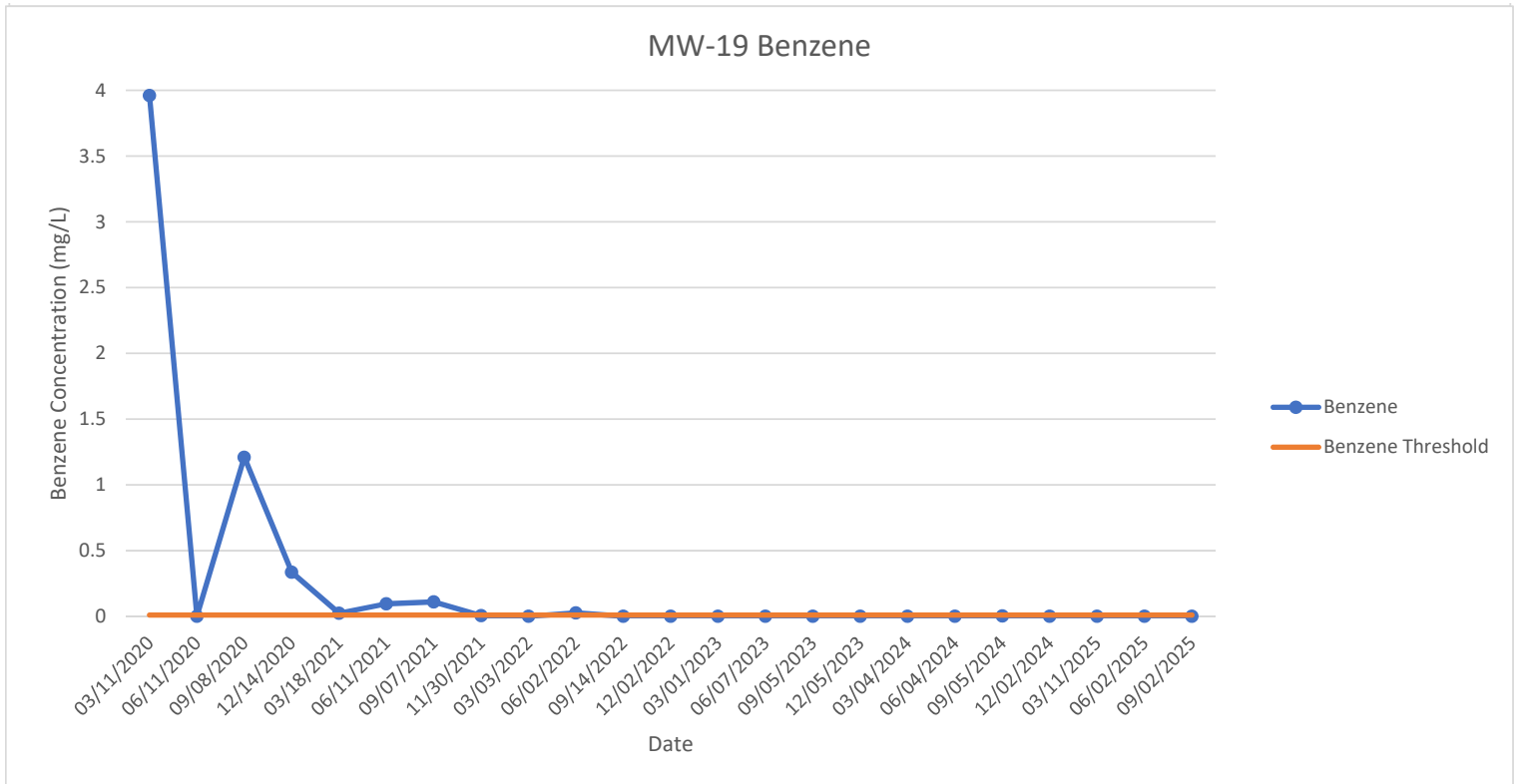


Figure 5 - BTEX Concentration Graphs - Historical
Lovington Deep 6"
Lea County, NM
SRS#: 2002-10312





APPENDIX B

Tables

Table 1 - Groundwater Gauging Data - Historical
Livington Deep 6"
Lea County, NM
SRS#: 2002-10312

| Sample ID | Casing Elevation (fmsl) | Top of Screen (ft) | Bottom of Screen (ft) | Date Sampled (ft) | Depth to Water (ft) | Depth to Product (ft) | Product Thickness (ft) | Groundwater Elevation (fmsl) |
|------------|-------------------------|--------------------|-----------------------|-------------------|---------------------|-----------------------|------------------------|------------------------------|
| MW-1 4" | 3915.51 | 54 | 74 | 03/11/2020 | 65.73 | - | - | 3,849.78 |
| | | | | 05/06/2020 | 65.70 | - | - | 3,849.81 |
| | | | | 06/09/2020 | 65.77 | - | - | 3,849.74 |
| | | | | 09/04/2020 | 65.83 | - | - | 3,849.68 |
| | | | | 12/11/2020 | 65.84 | - | - | 3,849.67 |
| | | | | 03/16/2021 | 65.85 | - | - | 3,849.66 |
| | | | | 06/11/2021 | 65.94 | - | - | 3,849.57 |
| | | | | 09/01/2021 | 65.98 | - | - | 3,849.53 |
| | | | | 11/29/2021 | 66.04 | - | - | 3,849.47 |
| | | | | 03/02/2022 | 66.09 | - | - | 3,849.42 |
| | | | | 06/02/2022 | 66.14 | - | - | 3,849.37 |
| | | | | 09/13/2022 | 66.22 | - | - | 3,849.29 |
| | | | | 12/01/2022 | 66.24 | - | - | 3,849.27 |
| | | | | 03/01/2023 | 66.30 | - | - | 3,849.21 |
| | | | | 06/05/2023 | 66.36 | - | - | 3,849.15 |
| | | | | 09/05/2023 | 66.41 | - | - | 3,849.10 |
| | | | | 12/05/2023 | 66.48 | - | - | 3,849.03 |
| | | | | 03/04/2024 | 66.50 | - | - | 3,849.01 |
| | | | | 06/03/2024 | 66.55 | - | - | 3,848.96 |
| | | | | 08/30/2024 | 66.62 | - | - | 3,848.89 |
| | | | | 12/02/2024 | 66.66 | - | - | 3,848.85 |
| | | | | 03/11/2025 | 66.75 | - | - | 3,848.76 |
| | | | | 06/02/2025 | 66.87 | - | - | 3,848.64 |
| | | | | 09/02/2025 | 66.88 | - | - | 3,848.63 |
| MW-2 4" | 3915.04 | 54 | 74 | 03/11/2020 | 65.79 | 65.40 | 0.39 | 3,849.58 |
| | | | | 05/06/2020 | 66.92 | 65.20 | 1.72 | 3,849.56 |
| | | | | 06/09/2020 | DR | - | - | - |
| | | | | 09/04/2020 | 67.75 | 65.10 | 2.65 | 3,849.50 |
| | | | | 12/11/2020 | 65.73 | 65.65 | 0.08 | 3,849.38 |
| | | | | 03/16/2021 | DR | - | - | - |
| | | | | 06/11/2021 | 68.90 | 65.09 | 3.81 | 3,849.32 |
| | | | | 09/01/2021 | 68.94 | 65.10 | 3.84 | 3,849.31 |
| | | | | 11/29/2021 | 67.20 | 65.55 | 1.65 | 3,849.22 |
| | | | | 03/02/2022 | 69.25 | 65.27 | 3.98 | 3,849.11 |
| | | | | 06/02/2022 | 68.90 | 65.25 | 3.65 | 3,849.19 |
| | | | | 09/13/2022 | 69.55 | 65.47 | 4.08 | 3,848.90 |
| | | | | 12/01/2022 | 69.04 | 65.39 | 3.65 | 3,849.05 |
| | | | | 03/01/2023 | 67.39 | 65.81 | 1.58 | 3,848.97 |
| | | | | 06/05/2023 | 66.20 | 66.10 | 0.10 | 3,848.92 |
| | | | | 09/05/2023 | 70.55 | 65.46 | 5.09 | 3,848.74 |
| | | | | 12/05/2023 | 69.55 | 66.58 | 2.97 | 3,847.97 |
| | | | | 03/04/2024 | 66.25 | 66.24 | 0.01 | 3,848.80 |
| | | | | 06/03/2024 | 69.27 | 65.70 | 3.57 | 3,848.75 |
| | | | | 08/30/2024 | DR | - | - | - |
| | | | | 12/02/2024 | DR | - | - | - |
| | | | | 03/11/2025 | DR | - | - | - |
| | | | | 06/02/2025 | DR | - | - | - |
| | | | | 09/02/2025 | DR | - | - | - |
| MW-3 4" | 3915.24 | 54 | 74 | 03/11/2020 | 65.89 | - | - | 3,849.35 |
| | | | | 06/09/2020 | 65.97 | - | - | 3,849.27 |
| | | | | 09/04/2020 | 65.97 | - | - | 3,849.27 |
| | | | | 12/11/2020 | 66.04 | - | - | 3,849.20 |
| | | | | 03/16/2021 | 66.05 | - | - | 3,849.19 |
| | | | | 06/11/2021 | 65.93 | - | - | 3,849.31 |
| | | | | 09/01/2021 | 66.17 | - | - | 3,849.07 |
| | | | | 11/29/2021 | 66.21 | - | - | 3,849.03 |
| | | | | 03/02/2022 | 66.30 | - | - | 3,848.94 |
| | | | | 06/02/2022 | 66.33 | - | - | 3,848.91 |
| | | | | 09/13/2022 | 66.42 | - | - | 3,848.82 |
| | | | | 12/01/2022 | 66.43 | - | - | 3,848.81 |
| | | | | 03/01/2023 | 66.50 | - | - | 3,848.74 |
| | | | | 06/05/2023 | 66.55 | - | - | 3,848.69 |
| | | | | 09/05/2023 | 66.59 | - | - | 3,848.65 |
| | | | | 12/05/2023 | 66.71 | - | - | 3,848.53 |
| | | | | 03/04/2024 | 66.72 | - | - | 3,848.52 |
| | | | | 06/03/2024 | 66.73 | - | - | 3,848.51 |
| | | | | 08/30/2024 | 66.82 | - | - | 3,848.42 |
| | | | | 12/02/2024 | 66.85 | - | - | 3,848.39 |
| | | | | 03/11/2025 | DR | - | - | - |
| | | | | 06/02/2025 | 67.10 | - | - | 3,848.14 |
| | | | | 09/02/2025 | 67.12 | - | - | 3,848.12 |

Table 1 - Groundwater Gauging Data - Historical
Lovington Deep 6"
Lea County, NM
SRS#: 2002-10312

| Sample ID | Casing Elevation (fmsl) | Top of Screen (ft) | Bottom of Screen (ft) | Date Sampled (ft) | Depth to Water (ft) | Depth to Product (ft) | Product Thickness (ft) | Groundwater Elevation (fmsl) |
|------------|-------------------------|--------------------|-----------------------|-------------------|---------------------|-----------------------|------------------------|------------------------------|
| MW-4 2" | 3915.30 | 54 | 74 | 03/11/2020 | 66.17 | - | - | 3,849.13 |
| | | | | 05/06/2020 | 66.12 | - | - | 3,849.18 |
| | | | | 06/09/2020 | 66.18 | - | - | 3,849.12 |
| | | | | 09/04/2020 | 66.23 | - | - | 3,849.07 |
| | | | | 12/11/2020 | 66.27 | - | - | 3,849.03 |
| | | | | 03/16/2021 | 66.30 | - | - | 3,849.00 |
| | | | | 06/11/2021 | 66.78 | - | - | 3,848.52 |
| | | | | 09/01/2021 | 66.40 | - | - | 3,848.90 |
| | | | | 11/29/2021 | 66.45 | - | - | 3,848.85 |
| | | | | 03/02/2022 | 66.53 | - | - | 3,848.77 |
| | | | | 06/02/2022 | 66.55 | - | - | 3,848.75 |
| | | | | 09/13/2022 | 66.67 | - | - | 3,848.63 |
| | | | | 12/01/2022 | 66.66 | - | - | 3,848.64 |
| | | | | 03/01/2023 | 66.72 | - | - | 3,848.58 |
| | | | | 06/05/2023 | 66.80 | - | - | 3,848.50 |
| | | | | 09/05/2023 | 66.83 | - | - | 3,848.47 |
| | | | | 12/05/2023 | 66.93 | - | - | 3,848.37 |
| | | | | 03/04/2024 | 66.95 | - | - | 3,848.35 |
| | | | | 06/03/2024 | 67.00 | - | - | 3,848.30 |
| | | | | 08/30/2024 | 67.10 | - | - | 3,848.20 |
| | | | | 12/02/2024 | 67.07 | - | - | 3,848.23 |
| 03/11/2025 | 678.20 | - | - | 3,237.10 | | | | |
| 06/02/2025 | 67.23 | - | - | 3,848.07 | | | | |
| 09/02/2025 | 67.28 | - | - | 3,848.02 | | | | |
| MW-5 4" | 3915.26 | 54 | 74 | 03/11/2020 | 66.15 | - | - | 3,849.11 |
| | | | | 05/06/2020 | 65.90 | - | - | 3,849.36 |
| | | | | 06/09/2020 | 66.22 | - | - | 3,849.04 |
| | | | | 09/04/2020 | 66.25 | - | - | 3,849.01 |
| | | | | 12/11/2020 | 66.31 | - | - | 3,848.95 |
| | | | | 03/16/2021 | 66.33 | - | - | 3,848.93 |
| | | | | 06/11/2021 | 66.40 | - | - | 3,848.86 |
| | | | | 09/01/2021 | 66.44 | - | - | 3,848.82 |
| | | | | 11/29/2021 | 66.50 | - | - | 3,848.76 |
| | | | | 03/02/2022 | 66.55 | - | - | 3,848.71 |
| | | | | 06/02/2022 | 66.60 | - | - | 3,848.66 |
| | | | | 09/13/2022 | 66.66 | - | - | 3,848.60 |
| | | | | 12/01/2022 | 66.70 | - | - | 3,848.56 |
| | | | | 03/01/2023 | 66.77 | - | - | 3,848.49 |
| | | | | 06/05/2023 | 66.80 | - | - | 3,848.46 |
| | | | | 09/05/2023 | 66.86 | - | - | 3,848.40 |
| | | | | 12/05/2023 | 66.96 | - | - | 3,848.30 |
| | | | | 03/01/2023 | 66.77 | - | - | 3,848.49 |
| | | | | 06/05/2023 | 66.80 | - | - | 3,848.46 |
| | | | | 09/05/2023 | 66.86 | - | - | 3,848.40 |
| | | | | 12/05/2023 | 66.96 | - | - | 3,848.30 |
| 03/04/2024 | 67.00 | - | - | 3,848.26 | | | | |
| 06/03/2024 | 67.02 | - | - | 3,848.24 | | | | |
| 08/30/2024 | 67.10 | - | - | 3,848.16 | | | | |
| 12/02/2024 | 67.12 | - | - | 3,848.14 | | | | |
| 03/11/2025 | 67.25 | - | - | 3,848.01 | | | | |
| 06/02/2025 | 37.24 | - | - | 3,878.02 | | | | |
| 09/02/2025 | 37.27 | - | - | 3,877.99 | | | | |
| MW-6 2" | 3915.45 | 52 | 72 | 03/23/2018 | 65.04 | - | - | 3,850.41 |
| | | | | 06/12/2018 | 65.11 | - | - | 3,850.34 |
| | | | | 09/10/2018 | 65.04 | - | - | 3,850.41 |
| | | | | 12/11/2018 | 65.22 | - | - | 3,850.23 |
| | | | | 03/13/2019 | 65.23 | - | - | 3,850.22 |
| | | | | 06/10/2019 | 68.27 | - | - | 3,847.18 |
| | | | | 09/25/2019 | DR | - | - | - |
| | | | | 12/06/2019 | DR | - | - | - |
| | | | | 03/11/2020 | DR | - | - | - |
| | | | | 05/06/2020 | DR | - | - | - |
| | | | | 06/09/2020 | DR | - | - | - |
| | | | | 09/04/2020 | DR | - | - | - |
| | | | | 12/11/2020 | DR | - | - | - |
| | | | | 03/16/2021 | DR | - | - | - |
| | | | | 06/10/2021 | DR | - | - | - |
| | | | | 09/01/2021 | DR | - | - | - |
| | | | | 11/29/2021 | DR | - | - | - |
| | | | | 03/02/2022 | DR | - | - | - |
| | | | | 06/02/2022 | DR | - | - | - |
| | | | | 09/13/2022 | DR | - | - | - |
| | | | | 12/01/2022 | DR | - | - | - |
| 03/01/2023 | DR | - | - | - | | | | |
| 06/05/2023 | DR | - | - | - | | | | |
| 09/05/2023 | DR | - | - | - | | | | |
| 12/05/2023 | DR | - | - | - | | | | |
| 03/04/2024 | DR | - | - | - | | | | |
| 06/03/2024 | DR | - | - | - | | | | |
| 08/30/2024 | DR | - | - | - | | | | |
| 12/02/2024 | DR | - | - | - | | | | |
| 03/11/2025 | DR | - | - | - | | | | |
| 06/02/2025 | DR | - | - | - | | | | |
| 09/02/2025 | DR | - | - | - | | | | |

Table 1 - Groundwater Gauging Data - Historical
Lovington Deep 6"
Lea County, NM
SRS#: 2002-10312

| Sample ID | Casing Elevation (fmsl) | Top of Screen (ft) | Bottom of Screen (ft) | Date Sampled (ft) | Depth to Water (ft) | Depth to Product (ft) | Product Thickness (ft) | Groundwater Elevation (fmsl) |
|------------|-------------------------|--------------------|-----------------------|-------------------|---------------------|-----------------------|------------------------|------------------------------|
| MW-7 2" | 3914.73 | 51 | 71 | 03/13/2019 | 64.91 | - | - | 3,849.82 |
| | | | | 06/10/2019 | 64.98 | - | - | 3,849.75 |
| | | | | 09/25/2019 | 65.04 | - | - | 3,849.69 |
| | | | | 12/06/2019 | 65.10 | - | - | 3,849.63 |
| | | | | 03/11/2020 | OB | - | - | - |
| | | | | 05/06/2020 | OB | - | - | - |
| | | | | 06/09/2020 | OB | - | - | - |
| | | | | 09/04/2020 | 66.37 | - | - | 3,848.36 |
| | | | | 12/11/2020 | 65.31 | - | - | 3,849.42 |
| | | | | 03/16/2021 | 66.35 | - | - | 3,848.38 |
| | | | | 06/11/2021 | 66.50 | - | - | 3,848.23 |
| | | | | 09/01/2021 | 65.43 | - | - | 3,849.30 |
| | | | | 11/29/2021 | 65.45 | - | - | 3,849.28 |
| | | | | 03/02/2022 | 65.55 | - | - | 3,849.18 |
| | | | | 06/02/2022 | 65.56 | - | - | 3,849.17 |
| | | | | 09/13/2022 | 65.65 | - | - | 3,849.08 |
| | | | | 12/01/2022 | 65.66 | - | - | 3,849.07 |
| | | | | 03/01/2023 | 65.75 | - | - | 3,848.98 |
| | | | | 06/05/2023 | 65.76 | - | - | 3,848.97 |
| | | | | 09/05/2023 | 65.83 | - | - | 3,848.90 |
| | | | | 12/05/2023 | 65.92 | - | - | 3,848.81 |
| | | | | 03/04/2024 | 65.96 | - | - | 3,848.77 |
| | | | | 06/03/2024 | 65.98 | - | - | 3,848.75 |
| | | | | 08/30/2024 | 66.07 | - | - | 3,848.66 |
| | | | | 12/02/2024 | 66.10 | - | - | 3,848.63 |
| 03/11/2025 | 66.19 | - | - | 3,848.54 | | | | |
| 06/02/2025 | 66.21 | - | - | 3,848.52 | | | | |
| 09/02/2025 | 66.23 | - | - | 3,848.50 | | | | |
| MW-8 2" | 3915.19 | 53 | 73 | 03/11/2020 | 65.68 | - | - | 3,849.51 |
| | | | | 05/06/2020 | 65.68 | - | - | 3,849.51 |
| | | | | 06/09/2020 | 65.74 | - | - | 3,849.45 |
| | | | | 09/04/2020 | 65.74 | - | - | 3,849.45 |
| | | | | 12/11/2020 | 65.81 | - | - | 3,849.38 |
| | | | | 03/16/2021 | 65.83 | - | - | 3,849.36 |
| | | | | 06/11/2021 | 66.10 | - | - | 3,849.09 |
| | | | | 09/01/2021 | 65.94 | - | - | 3,849.25 |
| | | | | 11/29/2021 | 65.98 | - | - | 3,849.21 |
| | | | | 03/02/2022 | 66.10 | - | - | 3,849.09 |
| | | | | 06/02/2022 | 66.11 | - | - | 3,849.08 |
| | | | | 09/13/2022 | 66.18 | - | - | 3,849.01 |
| | | | | 12/01/2022 | 66.22 | - | - | 3,848.97 |
| | | | | 03/01/2023 | 66.27 | - | - | 3,848.92 |
| | | | | 06/05/2023 | 66.32 | - | - | 3,848.87 |
| | | | | 09/05/2023 | 66.38 | - | - | 3,848.81 |
| | | | | 12/05/2023 | 66.44 | - | - | 3,848.75 |
| | | | | 03/04/2024 | 66.48 | - | - | 3,848.71 |
| | | | | 06/03/2024 | 66.51 | - | - | 3,848.68 |
| | | | | 08/30/2024 | 66.61 | - | - | 3,848.58 |
| | | | | 12/02/2024 | 66.63 | - | - | 3,848.56 |
| | | | | 03/11/2025 | 66.73 | - | - | 3,848.46 |
| | | | | 06/02/2025 | 66.85 | - | - | 3,848.34 |
| | | | | 09/02/2025 | 66.76 | - | - | 3,848.43 |
| | | | | MW-9 2" | 3913.92 | 55 | 75 | 03/11/2020 |
| 05/06/2020 | 65.00 | - | - | | | | | 3,848.92 |
| 06/09/2020 | 65.05 | - | - | | | | | 3,848.87 |
| 09/04/2020 | 65.60 | - | - | | | | | 3,848.32 |
| 12/11/2020 | 65.67 | - | - | | | | | 3,848.25 |
| 03/16/2021 | 65.75 | - | - | | | | | 3,848.17 |
| 06/11/2021 | 65.25 | - | - | | | | | 3,848.67 |
| 09/01/2021 | 65.30 | - | - | | | | | 3,848.62 |
| 11/29/2021 | 65.30 | - | - | | | | | 3,848.62 |
| 03/02/2022 | 65.93 | - | - | | | | | 3,847.99 |
| 06/02/2022 | 65.99 | - | - | | | | | 3,847.93 |
| 09/13/2022 | 66.04 | - | - | | | | | 3,847.88 |
| 12/01/2022 | 66.08 | - | - | | | | | 3,847.84 |
| 03/01/2023 | 66.14 | - | - | | | | | 3,847.78 |
| 06/05/2023 | 66.18 | - | - | | | | | 3,847.74 |
| 09/05/2023 | 66.21 | - | - | | | | | 3,847.71 |
| 12/05/2023 | 65.80 | - | - | | | | | 3,848.12 |
| 03/04/2024 | 65.85 | - | - | | | | | 3,848.07 |
| 06/03/2024 | 65.89 | - | - | | | | | 3,848.03 |
| 08/30/2024 | 65.97 | - | - | | | | | 3,847.95 |
| 12/02/2024 | 65.95 | - | - | | | | | 3,847.97 |
| 03/11/2025 | 66.07 | - | - | | | | | 3,847.85 |
| 06/02/2025 | 66.59 | - | - | | | | | 3,847.33 |
| 09/02/2025 | 66.62 | - | - | | | | | 3,847.30 |

Table 1 - Groundwater Gauging Data - Historical
Livington Deep 6"
Lea County, NM
SRS#: 2002-10312

| Sample ID | Casing Elevation (fmsl) | Top of Screen (ft) | Bottom of Screen (ft) | Date Sampled (ft) | Depth to Water (ft) | Depth to Product (ft) | Product Thickness (ft) | Groundwater Elevation (fmsl) |
|-------------|-------------------------|--------------------|-----------------------|-------------------|---------------------|-----------------------|------------------------|------------------------------|
| MW-10 2" | 3914.96 | 53 | 73 | 03/13/2019 | 65.87 | - | - | 3,849.09 |
| | | | | 06/10/2019 | 65.92 | - | - | 3,849.04 |
| | | | | 09/25/2019 | 65.97 | - | - | 3,848.99 |
| | | | | 12/06/2019 | 66.02 | - | - | 3,848.94 |
| | | | | 03/11/2020 | 66.05 | - | - | 3,848.91 |
| | | | | 05/06/2020 | 66.00 | - | - | 3,848.96 |
| | | | | 06/09/2020 | 66.07 | - | - | 3,848.89 |
| | | | | 09/04/2020 | 66.98 | - | - | 3,847.98 |
| | | | | 12/11/2020 | DR | - | - | - |
| | | | | 03/16/2021 | DR | - | - | - |
| | | | | 06/11/2021 | DR | - | - | - |
| | | | | 09/01/2021 | DR | - | - | - |
| | | | | 11/29/2021 | DR | - | - | - |
| | | | | 03/02/2022 | DR | - | - | - |
| | | | | 06/02/2022 | DR | - | - | - |
| | | | | 09/13/2022 | DR | - | - | - |
| | | | | 12/01/2022 | DR | - | - | - |
| | | | | 03/01/2023 | DR | - | - | - |
| | | | | 06/05/2023 | DR | - | - | - |
| | | | | 09/05/2023 | DR | - | - | - |
| | | | | 12/05/2023 | DR | - | - | - |
| | | | | 03/04/2024 | DR | - | - | - |
| | | | | 06/03/2024 | DR | - | - | - |
| | | | | 08/30/2024 | DR | - | - | - |
| | | | | 12/02/2024 | DR | - | - | - |
| 03/11/2025 | DR | - | - | - | | | | |
| 06/02/2025 | DR | - | - | - | | | | |
| 09/02/2025 | DR | - | - | - | | | | |
| MW-11 2" | 3914.40 | 52 | 72 | 03/11/2020 | 65.47 | - | - | 3,848.93 |
| | | | | 05/06/2020 | 65.45 | - | - | 3,848.95 |
| | | | | 06/09/2020 | 65.47 | - | - | 3,848.93 |
| | | | | 09/04/2020 | 65.52 | - | - | 3,848.88 |
| | | | | 12/11/2020 | 65.80 | - | - | 3,848.60 |
| | | | | 03/16/2021 | 65.63 | - | - | 3,848.77 |
| | | | | 06/11/2021 | 68.99 | - | - | 3,845.41 |
| | | | | 09/01/2021 | 65.74 | - | - | 3,848.66 |
| | | | | 11/29/2021 | 65.80 | - | - | 3,848.60 |
| | | | | 03/02/2022 | 65.90 | - | - | 3,848.50 |
| | | | | 06/02/2022 | 65.90 | - | - | 3,848.50 |
| | | | | 09/13/2022 | 65.97 | - | - | 3,848.43 |
| | | | | 12/01/2022 | 66.01 | - | - | 3,848.39 |
| | | | | 03/01/2023 | 66.06 | - | - | 3,848.34 |
| | | | | 06/05/2023 | 66.12 | - | - | 3,848.28 |
| | | | | 09/05/2023 | 66.18 | - | - | 3,848.22 |
| | | | | 12/05/2023 | 66.25 | - | - | 3,848.15 |
| | | | | 03/04/2024 | 66.29 | - | - | 3,848.11 |
| | | | | 06/03/2024 | 66.33 | - | - | 3,848.07 |
| | | | | 08/30/2024 | 66.42 | - | - | 3,847.98 |
| | | | | 12/02/2024 | 66.42 | - | - | 3,847.98 |
| | | | | 03/11/2025 | 66.53 | - | - | 3,847.87 |
| | | | | 06/02/2025 | 66.54 | - | - | 3,847.86 |
| | | | | 09/02/2025 | 66.59 | - | - | 3,847.81 |
| | | | | MW-12 2" | 3913.97 | 58 | 78 | 03/11/2020 |
| 05/06/2020 | 65.70 | - | - | | | | | 3,848.27 |
| 06/09/2020 | 65.71 | - | - | | | | | 3,848.26 |
| 09/04/2020 | 67.75 | - | - | | | | | 3,846.22 |
| 12/11/2020 | 65.83 | - | - | | | | | 3,848.14 |
| 03/16/2021 | 65.83 | - | - | | | | | 3,848.14 |
| 06/11/2021 | 65.94 | - | - | | | | | 3,848.03 |
| 09/01/2021 | 66.00 | - | - | | | | | 3,847.97 |
| 11/29/2021 | 66.00 | - | - | | | | | 3,847.97 |
| 03/02/2022 | 66.10 | - | - | | | | | 3,847.87 |
| 06/02/2022 | 66.13 | - | - | | | | | 3,847.84 |
| 09/13/2022 | 66.20 | - | - | | | | | 3,847.77 |
| 12/01/2022 | 66.23 | - | - | | | | | 3,847.74 |
| 03/01/2023 | 66.28 | - | - | | | | | 3,847.69 |
| 06/05/2023 | 66.34 | - | - | | | | | 3,847.63 |
| 09/05/2023 | 66.41 | - | - | | | | | 3,847.56 |
| 12/05/2023 | 66.51 | - | - | | | | | 3,847.46 |
| 03/04/2024 | 66.53 | - | - | | | | | 3,847.44 |
| 06/03/2024 | 66.54 | - | - | | | | | 3,847.43 |
| 08/30/2024 | 66.68 | - | - | | | | | 3,847.29 |
| 12/02/2024 | 66.65 | - | - | | | | | 3,847.32 |
| 03/11/2025 | 66.78 | - | - | | | | | 3,847.19 |
| 06/02/2025 | 66.80 | - | - | | | | | 3,847.17 |
| 09/02/2025 | 66.83 | - | - | | | | | 3,847.14 |

Table 1 - Groundwater Gauging Data - Historical
Lovington Deep 6"
Lea County, NM
SRS#: 2002-10312

| Sample ID | Casing Elevation (fmsl) | Top of Screen (ft) | Bottom of Screen (ft) | Date Sampled (ft) | Depth to Water (ft) | Depth to Product (ft) | Product Thickness (ft) | Groundwater Elevation (fmsl) |
|-------------|-------------------------|--------------------|-----------------------|-------------------|---------------------|-----------------------|------------------------|------------------------------|
| MW-13 4" | 3915.83 | 54 | 79 | 03/11/2020 | 66.30 | 66.24 | 0.06 | 3,849.58 |
| | | | | 05/06/2020 | 66.35 | 66.20 | 0.15 | 3,849.61 |
| | | | | 06/09/2020 | 66.86 | 66.10 | 0.76 | 3,849.60 |
| | | | | 09/04/2020 | DR | - | - | - |
| | | | | 12/11/2020 | 66.55 | 66.54 | 0.01 | 3,849.29 |
| | | | | 03/16/2021 | 67.50 | 66.40 | 1.10 | 3,849.25 |
| | | | | 06/11/2021 | 67.10 | 66.40 | 0.70 | 3,849.31 |
| | | | | 09/01/2021 | 67.15 | 66.35 | 0.80 | 3,849.35 |
| | | | | 11/29/2021 | 66.83 | 66.80 | 0.03 | 3,849.03 |
| | | | | 03/02/2022 | 68.57 | 66.23 | 2.34 | 3,849.21 |
| | | | | 06/02/2022 | 67.85 | 66.54 | 1.31 | 3,849.07 |
| | | | | 09/13/2022 | 68.25 | 66.80 | 1.45 | 3,848.79 |
| | | | | 12/01/2022 | 67.45 | 66.84 | 0.61 | 3,848.89 |
| | | | | 03/01/2023 | 66.98 | 66.75 | 0.23 | 3,849.04 |
| | | | | 06/05/2023 | 67.25 | 66.80 | 0.45 | 3,848.96 |
| | | | | 09/05/2023 | 67.76 | 66.75 | 1.01 | 3,848.91 |
| | | | | 12/05/2023 | 67.75 | 67.10 | 0.65 | 3,848.62 |
| | | | | 03/04/2024 | 67.54 | 66.08 | 1.46 | 3,849.51 |
| | | | | 06/03/2024 | 67.55 | 67.14 | 0.41 | 3,848.62 |
| | | | | 08/30/2024 | 67.49 | 67.10 | 0.39 | 3,848.67 |
| | | | | 12/02/2024 | 67.42 | 67.13 | 0.29 | 3,848.65 |
| | | | | 03/11/2025 | 67.77 | 67.31 | 0.46 | 3,848.44 |
| | | | | 06/02/2025 | 67.47 | 67.40 | 0.07 | 3,848.42 |
| | | | | 09/02/2025 | 67.50 | 67.28 | 0.22 | 3,848.51 |
| | | | | MW-14 4" | 3915.72 | 53 | 78 | 03/23/2018 |
| 06/12/2018 | 68.09 | 65.49 | 2.60 | | | | | 3,849.80 |
| 09/10/2018 | 65.19 | 65.18 | 0.01 | | | | | 3,850.54 |
| 12/11/2018 | 66.08 | 65.95 | 0.13 | | | | | 3,849.75 |
| 03/13/2019 | 66.05 | 66.03 | 0.02 | | | | | 3,849.69 |
| 06/10/2019 | 66.12 | 66.08 | 0.04 | | | | | 3,849.63 |
| 09/25/2019 | 66.12 | 66.10 | 0.02 | | | | | 3,849.62 |
| 12/06/2019 | 66.20 | 66.17 | 0.03 | | | | | 3,849.55 |
| 03/11/2020 | 66.25 | 66.20 | 0.05 | | | | | 3,849.51 |
| 05/06/2020 | 66.25 | 66.20 | 0.05 | | | | | 3,849.51 |
| 06/09/2020 | 66.27 | 66.22 | 0.05 | | | | | 3,849.49 |
| 09/04/2020 | 66.30 | 66.29 | 0.01 | | | | | 3,849.43 |
| 12/11/2020 | 66.37 | 66.36 | 0.01 | | | | | 3,849.36 |
| 03/16/2021 | 66.40 | 66.38 | 0.02 | | | | | 3,849.34 |
| 06/11/2021 | 66.46 | 66.44 | 0.02 | | | | | 3,849.28 |
| 09/01/2021 | 66.48 | 66.47 | 0.01 | | | | | 3,849.25 |
| 11/29/2021 | 66.56 | 66.52 | 0.04 | | | | | 3,849.19 |
| 03/02/2022 | 66.60 | 66.58 | 0.02 | | | | | 3,849.14 |
| 06/02/2022 | 66.65 | 66.63 | 0.02 | | | | | 3,849.09 |
| 09/13/2022 | 66.71 | 66.70 | 0.01 | | | | | 3,849.02 |
| 12/01/2022 | 66.79 | 66.78 | 0.01 | | | | | 3,848.94 |
| 03/01/2023 | 66.83 | 66.82 | 0.01 | | | | | 3,848.90 |
| 06/05/2023 | 66.90 | 66.89 | 0.01 | | | | | 3,848.83 |
| 09/05/2023 | 66.91 | 66.89 | 0.02 | | | | | 3,848.83 |
| 12/05/2023 | 67.02 | 67.00 | 0.02 | | | | | 3,848.72 |
| 03/04/2024 | 67.05 | 67.03 | 0.02 | 3,848.69 | | | | |
| 06/03/2024 | 67.09 | 67.06 | 0.03 | 3,848.66 | | | | |
| 08/30/2024 | 67.16 | 67.13 | 0.03 | 3,848.59 | | | | |
| 12/02/2024 | 67.23 | 67.18 | 0.05 | 3,848.53 | | | | |
| 03/11/2025 | 67.30 | 67.28 | 0.02 | 3,848.44 | | | | |
| 06/02/2025 | 67.31 | 67.30 | 0.01 | 3,848.42 | | | | |
| 09/02/2025 | 67.33 | 67.32 | 0.01 | 3,848.40 | | | | |
| MW-15 4" | 3915.84 | 54 | 79 | 03/11/2020 | 66.00 | - | - | 3,849.84 |
| | | | | 05/06/2020 | 66.00 | - | - | 3,849.84 |
| | | | | 06/09/2020 | 66.08 | - | - | 3,849.76 |
| | | | | 09/04/2020 | 66.05 | - | - | 3,849.79 |
| | | | | 12/11/2020 | 66.12 | - | - | 3,849.72 |
| | | | | 03/16/2021 | 66.15 | - | - | 3,849.69 |
| | | | | 06/11/2021 | 65.89 | - | - | 3,849.95 |
| | | | | 09/01/2021 | 66.26 | - | - | 3,849.58 |
| | | | | 11/29/2021 | 66.30 | - | - | 3,849.54 |
| | | | | 03/02/2022 | 66.40 | - | - | 3,849.44 |
| | | | | 06/02/2022 | 66.40 | - | - | 3,849.44 |
| | | | | 09/13/2022 | 66.52 | - | - | 3,849.32 |
| | | | | 12/01/2022 | 66.52 | - | - | 3,849.32 |
| | | | | 03/01/2023 | 66.59 | - | - | 3,849.25 |
| | | | | 06/05/2023 | 66.64 | - | - | 3,849.20 |
| | | | | 09/05/2023 | 66.70 | - | - | 3,849.14 |
| | | | | 12/05/2023 | 66.77 | - | - | 3,849.07 |
| | | | | 03/04/2024 | 66.79 | - | - | 3,849.05 |
| | | | | 06/03/2024 | 66.84 | - | - | 3,849.00 |
| | | | | 08/30/2024 | 66.91 | - | - | 3,848.93 |
| | | | | 12/02/2024 | 66.95 | - | - | 3,848.89 |
| | | | | 03/11/2025 | 67.04 | - | - | 3,848.80 |
| | | | | 06/02/2025 | 67.07 | - | - | 3,848.77 |
| | | | | 09/02/2025 | 67.10 | - | - | 3,848.74 |

Table 1 - Groundwater Gauging Data - Historical
Livington Deep 6"
Lea County, NM
SRS#: 2002-10312

| Sample ID | Casing Elevation (fmsl) | Top of Screen (ft) | Bottom of Screen (ft) | Date Sampled (ft) | Depth to Water (ft) | Depth to Product (ft) | Product Thickness (ft) | Groundwater Elevation (fmsl) |
|-------------|-------------------------|--------------------|-----------------------|-------------------|---------------------|-----------------------|------------------------|------------------------------|
| MW-16 4" | 3915.43 | 54 | 79 | 03/11/2020 | 65.81 | - | - | 3,849.62 |
| | | | | 05/06/2020 | 65.82 | - | - | 3,849.61 |
| | | | | 06/09/2020 | 65.87 | - | - | 3,849.56 |
| | | | | 09/04/2020 | 65.90 | - | - | 3,849.53 |
| | | | | 12/11/2020 | 65.96 | - | - | 3,849.47 |
| | | | | 03/16/2021 | 65.97 | - | - | 3,849.46 |
| | | | | 06/11/2021 | 66.83 | - | - | 3,848.60 |
| | | | | 09/01/2021 | 66.07 | - | - | 3,849.36 |
| | | | | 11/29/2021 | 66.12 | - | - | 3,849.31 |
| | | | | 03/02/2022 | 66.25 | - | - | 3,849.18 |
| | | | | 06/02/2022 | 66.25 | - | - | 3,849.18 |
| | | | | 09/13/2022 | 66.31 | - | - | 3,849.12 |
| | | | | 12/01/2022 | 66.34 | - | - | 3,849.09 |
| | | | | 03/01/2023 | 66.41 | - | - | 3,849.02 |
| | | | | 06/05/2023 | 66.45 | - | - | 3,848.98 |
| | | | | 09/05/2023 | 66.50 | - | - | 3,848.93 |
| | | | | 12/05/2023 | 66.61 | - | - | 3,848.82 |
| | | | | 03/04/2024 | 66.63 | - | - | 3,848.80 |
| | | | | 06/03/2024 | 66.68 | - | - | 3,848.75 |
| | | | | 08/30/2024 | 66.74 | - | - | 3,848.69 |
| | | | | 12/02/2024 | 66.78 | - | - | 3,848.65 |
| | | | | 03/11/2025 | 66.88 | - | - | 3,848.55 |
| | | | | 06/02/2025 | 66.94 | - | - | 3,848.49 |
| 09/02/2025 | 66.92 | - | - | 3,848.51 | | | | |
| MW-17 4" | 3915.59 | 58 | 78 | 03/11/2020 | 66.05 | 65.91 | 0.14 | 3,849.66 |
| | | | | 05/06/2020 | 66.25 | 65.85 | 0.40 | 3,849.67 |
| | | | | 06/09/2020 | 67.81 | 65.80 | 2.01 | 3,849.46 |
| | | | | 09/04/2020 | 66.70 | 65.85 | 0.85 | 3,849.60 |
| | | | | 12/11/2020 | 66.16 | 66.14 | 0.02 | 3,849.45 |
| | | | | 03/16/2021 | 68.20 | 65.79 | 2.41 | 3,849.40 |
| | | | | 06/11/2021 | 68.07 | 65.78 | 2.29 | 3,849.43 |
| | | | | 09/01/2021 | 67.94 | 65.82 | 2.12 | 3,849.42 |
| | | | | 11/29/2021 | 66.63 | 66.18 | 0.45 | 3,849.34 |
| | | | | 03/02/2022 | 69.45 | 65.65 | 3.80 | 3,849.31 |
| | | | | 06/02/2022 | 68.72 | 65.88 | 2.84 | 3,849.24 |
| | | | | 09/13/2022 | 69.23 | 65.90 | 3.33 | 3,849.14 |
| | | | | 12/01/2022 | 67.60 | 66.25 | 1.35 | 3,849.12 |
| | | | | 03/01/2023 | 66.95 | 66.43 | 0.52 | 3,849.07 |
| | | | | 06/05/2023 | 67.52 | 66.38 | 1.14 | 3,849.02 |
| | | | | 09/05/2023 | 67.87 | 66.35 | 1.52 | 3,848.99 |
| | | | | 12/05/2023 | 67.77 | 66.52 | 1.25 | 3,848.86 |
| | | | | 03/04/2024 | 67.72 | 66.56 | 1.16 | 3,848.84 |
| | | | | 06/03/2024 | 67.54 | 66.64 | 0.90 | 3,848.80 |
| | | | | 08/30/2024 | 67.53 | 66.73 | 0.80 | 3,848.73 |
| | | | | 12/02/2024 | 67.30 | 66.80 | 0.50 | 3,848.71 |
| | | | | 03/11/2025 | 68.06 | 66.87 | 1.19 | 3,848.52 |
| | | | | 06/02/2025 | 67.11 | 66.97 | 0.14 | 3,848.60 |
| 09/02/2025 | 67.56 | 66.93 | 0.63 | 3,848.56 | | | | |
| MW-18 4" | 3912.90 | 55 | 80 | 03/11/2020 | 65.18 | - | - | 3,847.72 |
| | | | | 05/06/2020 | 65.10 | - | - | 3,847.80 |
| | | | | 06/09/2020 | 66.10 | - | - | 3,846.80 |
| | | | | 09/04/2020 | 65.25 | - | - | 3,847.65 |
| | | | | 12/11/2020 | 66.24 | - | - | 3,846.66 |
| | | | | 03/16/2021 | 65.30 | - | - | 3,847.60 |
| | | | | 06/10/2021 | 65.48 | - | - | 3,847.42 |
| | | | | 09/01/2021 | 65.40 | - | - | 3,847.50 |
| | | | | 11/29/2021 | 65.50 | - | - | 3,847.40 |
| | | | | 03/02/2022 | 65.84 | - | - | 3,847.06 |
| | | | | 06/02/2022 | 65.66 | - | - | 3,847.24 |
| | | | | 09/13/2022 | 65.63 | - | - | 3,847.27 |
| | | | | 12/01/2022 | 65.66 | - | - | 3,847.24 |
| | | | | 03/01/2023 | 65.72 | - | - | 3,847.18 |
| | | | | 06/05/2023 | 65.79 | - | - | 3,847.11 |
| | | | | 09/05/2023 | 65.83 | - | - | 3,847.07 |
| | | | | 12/05/2023 | 65.93 | - | - | 3,846.97 |
| | | | | 03/04/2024 | 65.95 | - | - | 3,846.95 |
| | | | | 06/03/2024 | 65.98 | - | - | 3,846.92 |
| | | | | 08/30/2024 | 66.08 | - | - | 3,846.82 |
| | | | | 12/02/2024 | 66.10 | - | - | 3,846.80 |
| | | | | 03/11/2025 | 66.19 | - | - | 3,846.71 |
| | | | | 06/02/2025 | 66.23 | - | - | 3,846.67 |
| 09/02/2025 | 66.25 | - | - | 3,846.65 | | | | |

Table 1 - Groundwater Gauging Data - Historical
Livington Deep 6"
Lea County, NM
SRS#: 2002-10312

| Sample ID | Casing Elevation (fmsl) | Top of Screen (ft) | Bottom of Screen (ft) | Date Sampled (ft) | Depth to Water (ft) | Depth to Product (ft) | Product Thickness (ft) | Groundwater Elevation (fmsl) |
|-------------|-------------------------|--------------------|-----------------------|-------------------|---------------------|-----------------------|------------------------|------------------------------|
| MW-19 4" | 3913.35 | 60 | 80 | 03/11/2020 | 65.80 | - | - | 3,847.55 |
| | | | | 05/06/2020 | 65.80 | - | - | 3,847.55 |
| | | | | 06/09/2020 | 65.82 | - | - | 3,847.53 |
| | | | | 09/04/2020 | 65.90 | - | - | 3,847.45 |
| | | | | 12/11/2020 | 65.92 | - | - | 3,847.43 |
| | | | | 03/16/2021 | 64.95 | - | - | 3,848.40 |
| | | | | 06/10/2021 | 66.05 | - | - | 3,847.30 |
| | | | | 09/01/2021 | 66.12 | - | - | 3,847.23 |
| | | | | 11/29/2021 | 66.10 | - | - | 3,847.25 |
| | | | | 03/02/2022 | 66.30 | - | - | 3,847.05 |
| | | | | 06/02/2022 | 66.31 | - | - | 3,847.04 |
| | | | | 09/13/2022 | 66.32 | - | - | 3,847.03 |
| | | | | 12/01/2022 | 66.35 | - | - | 3,847.00 |
| | | | | 03/01/2023 | 66.40 | - | - | 3,846.95 |
| | | | | 06/05/2023 | 66.47 | - | - | 3,846.88 |
| | | | | 09/05/2023 | 66.51 | - | - | 3,846.84 |
| | | | | 12/05/2023 | 66.61 | - | - | 3,846.74 |
| | | | | 03/04/2024 | 66.64 | - | - | 3,846.71 |
| | | | | 06/03/2024 | 66.67 | - | - | 3,846.68 |
| | | | | 08/30/2024 | 66.76 | - | - | 3,846.59 |
| | | | | 12/02/2024 | 66.78 | - | - | 3,846.57 |
| | | | | 03/11/2025 | 66.88 | - | - | 3,846.47 |
| | | | | 06/02/2025 | 66.90 | - | - | 3,846.45 |
| | | | | 09/02/2025 | 66.95 | - | - | 3,846.40 |
| | | | | MW-20 4" | 3912.13 | 60 | 80 | 03/11/2020 |
| 05/06/2020 | 64.68 | - | - | | | | | 3,847.45 |
| 06/09/2020 | 64.71 | - | - | | | | | 3,847.42 |
| 09/04/2020 | 64.76 | - | - | | | | | 3,847.37 |
| 12/11/2020 | 64.82 | - | - | | | | | 3,847.31 |
| 03/16/2021 | 64.85 | - | - | | | | | 3,847.28 |
| 06/10/2021 | 64.94 | - | - | | | | | 3,847.19 |
| 09/01/2021 | 65.00 | - | - | | | | | 3,847.13 |
| 11/29/2021 | 65.00 | - | - | | | | | 3,847.13 |
| 03/02/2022 | 65.10 | - | - | | | | | 3,847.03 |
| 06/02/2022 | 65.13 | - | - | | | | | 3,847.00 |
| 09/13/2022 | 65.22 | - | - | | | | | 3,846.91 |
| 12/01/2022 | 65.25 | - | - | | | | | 3,846.88 |
| 03/01/2023 | 65.30 | - | - | | | | | 3,846.83 |
| 06/05/2023 | 65.37 | - | - | | | | | 3,846.76 |
| 09/05/2023 | 65.42 | - | - | | | | | 3,846.71 |
| 12/05/2023 | 65.52 | - | - | | | | | 3,846.61 |
| 03/04/2024 | 65.65 | - | - | | | | | 3,846.48 |
| 06/03/2024 | 65.67 | - | - | | | | | 3,846.46 |
| 08/30/2024 | 65.68 | - | - | | | | | 3,846.45 |
| 12/02/2024 | 65.68 | - | - | | | | | 3,846.45 |
| 03/11/2025 | 65.78 | - | - | | | | | 3,846.35 |
| 06/02/2025 | 65.83 | - | - | | | | | 3,846.30 |
| 09/02/2025 | 65.84 | - | - | | | | | 3,846.29 |

Specific Gravity: 0.835

Notes:

fmsl = Feet above mean sea level

DR = Well dry

DS = Well destroyed

NG = Well not gauged

NL = Well not located

NSA = No access

OB = Obstruction in well

PA = Well plugged and abandoned

Table 2 - Groundwater Analytical Data - Historical
 Lovington Deep 6"
 Lea County, NM
 SRS#: 2002-10312

| Sample ID | Sample Date | 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-1 | 03/12/2020 | <0.000408 | <0.000367 | <0.000657 | <0.000630 | <0.000367 |
| | 06/11/2020 | <0.000408 F | <0.000367 F | <0.000657 LF | <0.000630 | <0.000367 |
| | 09/10/2020 | 0.00236 | <0.000367 | <0.000657 | <0.000630 | 0.00236 |
| | 12/14/2020 | 0.000820 J | <0.002000 | 0.0027 | 0.00303 | 0.00655 |
| | 03/19/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00200 |
| | 06/11/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 09/07/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 11/29/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 03/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 06/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 09/13/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 12/02/2022 | <0.000408 | 0.000657 J *1 | <0.000657 | <0.000642 *1 | 0.000657 J |
| | 03/02/2023 | <0.000408 *1 | <0.000367 | <0.000657 | 0.00161 J | 0.00161 J |
| | 06/07/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 03/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2024 | <0.00100 | <0.00100 | 0.00107 | <0.00100 | 0.00107 |
| | 12/03/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 03/11/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| MW-3 | 03/12/2020 | <0.000408 | <0.000367 | 0.056 | 0.0454 | 0.101 |
| | 06/11/2020 | 0.00554 F | <0.000367 F | 0.0774 LF | 0.11 | 0.193 |
| | 09/08/2020 | <0.000408 | <0.000367 | <0.000657 | <0.000630 | <0.000367 |
| | 12/14/2020 | 0.00300 | <0.002000 | 0.0364 | 0.0597 | 0.09914 |
| | 03/19/2021 | 0.00291 | 0.000481 J | -- | 0.00208 J | 0.0281 |
| | 06/11/2021 | 0.00163 J | <0.00200 | 0.0838 | 0.107 | 0.193 |
| | 09/07/2021 | <0.00200 | <0.00200 | 0.0561 | 0.0718 | 0.128 |
| | 11/30/2021 | 0.000494 J | <0.00200 | 0.0339 | 0.0225 | 0.0569 |
| | 03/03/2022 | <0.000408 | <0.000367 | 0.0265 | 0.00488 | 0.0314 |
| | 06/03/2022 | <0.000408 | <0.000367 | 0.0494 | 0.0641 | 0.113 |
| | 09/13/2022 | <0.000408 | <0.000367 | <0.000657 | 0.0306 | 0.0306 |
| | 12/05/2022 | <0.000408 | 0.000367 J *1 | 0.0269 | 0.0222 | 0.0494 |
| | 03/02/2023 | <0.000408 *1 | <0.000367 | 0.0164 | 0.00823 | 0.0246 |
| | 06/07/2023 | <0.00100 | <0.00100 | 0.00373 | <0.00100 | 0.00373 |
| | 09/05/2023 | <0.00100 | <0.00100 | 0.0074 | 0.00286 | 0.0103 |
| | 12/06/2023 | <0.00100 | <0.00100 | 0.0025 | <0.00100 | 0.0025 |
| | 03/04/2024 | <0.00100 | <0.00100 | 0.00345 | <0.00100 | 0.00345 |
| | 06/04/2024 | <0.00100 | <0.00100 | 0.0086 | <0.00100 | 0.0086 |
| | 09/05/2024 | <0.00100 | <0.00100 | 0.015 | 0.00206 | 0.0171 |
| | 12/06/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 03/11/2025 | DR | DR | DR | DR | DR | |
| 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 03/11/2020 | <0.000408 | <0.000367 | <0.000657 | <0.000630 | 0.0123 | |
| MW-4 | 06/11/2020 | <0.000408 F | <0.000367 F | <0.000657 LF | <0.000630 | <0.000367 |
| | 09/08/2020 | 0.0132 | <0.000367 | 0.0497 | 0.0722 | 0.135 |
| | 12/14/2020 | 0.00110 J | <0.002000 | 0.00457 | 0.00659 | 0.01226 |
| | 03/18/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00200 |
| | 06/11/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 09/07/2021 | <0.00200 | <0.00200 | 0.00157 J | 0.00179 J | 0.00336 J |
| | 11/30/2021 | <0.0200 | <0.0200 | <0.0200 | <0.0400 | <0.0400 |
| | 03/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 06/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 09/13/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 12/02/2022 | <0.000408 | <0.000367 *1 | <0.000657 *1 | <0.000642 *1 | <0.000657 |
| | 03/02/2023 | <0.000408 *1 | <0.000367 | <0.000657 | 0.00160 J | 0.00160 J |
| | 06/07/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 03/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2024 | <0.00100 | <0.00100 | 0.0103 | 0.0101 | 0.0204 |
| | 12/02/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 03/11/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |

Table 2 - Groundwater Analytical Data - Historical
 Lovington Deep 6"
 Lea County, NM
 SRS#: 2002-10312

| Sample ID | Sample Date | 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-5 | 03/12/2020 | 0.00405 | <0.000367 | <0.000657 | <0.000630 | 0.00405 |
| | 06/11/2020 | 0.00131 JF | <0.000367 F | <0.000657 LF | <0.000630 | 0.00131 J |
| | 09/10/2020 | 0.00138 J | <0.000367 | <0.000657 | <0.000630 | 0.00138 J |
| | 12/15/2020 | 0.000650 J | <0.002000 | 0.00134 J | 0.00131 J | 0.0033 |
| | 03/18/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00200 |
| | 06/11/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 09/07/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 11/30/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 03/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 06/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 09/13/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 12/05/2022 | <0.000408 | <0.000367 *1 | <0.000657 *1 | <0.000642 *1 | <0.000657 |
| | 03/02/2023 | <0.000408 *1 | <0.000367 | <0.000657 | 0.00161 J | 0.00161 J |
| | 06/07/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 03/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2024 | <0.00100 | <0.00100 | 0.00167 | <0.00100 | 0.00167 |
| | 12/03/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 03/11/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| MW-6 | 03/26/2018 | <0.000408 | 0.000720 J | <0.000657 | <0.000630 | 0.000720 J |
| | 06/12/2018 | <0.000480 | <0.000512 | <0.000616 | <0.000270 | <0.000270 |
| | 09/11/2018 | <0.000408 | <0.000367 | <0.000657 | <0.000630 | <0.000367 |
| | 12/11/2018 | <0.000480 | <0.000512 | <0.000616 | <0.000270 | <0.000270 |
| | 03/14/2019 | 0.00396 | <0.000367 | <0.000657 | <0.00063 | 0.00396 |
| | 06/10/2019 | NWP | NWP | NWP | NWP | NWP |
| | 09/25/2019 | DR | DR | DR | DR | DR |
| | 12/06/2019 | DR | DR | DR | DR | DR |
| | 03/11/2020 | DR | DR | DR | DR | DR |
| | 05/06/2020 | DR | DR | DR | DR | DR |
| | 06/09/2020 | DR | DR | DR | DR | DR |
| | 09/04/2020 | DR | DR | DR | DR | DR |
| | 12/11/2020 | DR | DR | DR | DR | DR |
| | 03/16/2021 | DR | DR | DR | DR | DR |
| | 06/10/2021 | DR | DR | DR | DR | DR |
| | 09/01/2021 | DR | DR | DR | DR | DR |
| | 11/29/2021 | DR | DR | DR | DR | DR |
| | 03/02/2022 | DR | DR | DR | DR | DR |
| | 06/02/2022 | DR | DR | DR | DR | DR |
| | 09/13/2022 | DR | DR | DR | DR | DR |
| | 12/01/2022 | DR | DR | DR | DR | DR |
| | 03/01/2023 | DR | DR | DR | DR | DR |
| | 06/05/2023 | DR | DR | DR | DR | DR |
| | 09/05/2023 | DR | DR | DR | DR | DR |
| | 12/05/2023 | DR | DR | DR | DR | DR |
| | 03/04/2024 | DR | DR | DR | DR | DR |
| | 06/03/2024 | DR | DR | DR | DR | DR |
| 08/30/2024 | DR | DR | DR | DR | DR | |
| 12/02/2024 | DR | DR | DR | DR | DR | |
| 03/11/2025 | DR | DR | DR | DR | DR | |
| 06/02/2025 | DR | DR | DR | DR | DR | |
| 09/02/2025 | DR | DR | DR | DR | DR | |
| MW-7 | 03/14/2019 | 0.000630 | <0.000367 | <0.000657 | <0.00063 | 0.00063 |
| | 06/10/2019 | 0.0407 | <0.000314 | <0.000562 | <0.000538 | 0.0407 |
| | 09/26/2019 | <0.000408 | <0.000367 | <0.000657 | <0.000630 | <0.000367 |
| | 12/07/2019 | <0.000408 | <0.000367 | <0.000657 | <0.000630 | <0.000367 |
| | 03/11/2020 | NWP | NWP | NWP | NWP | NWP |
| | 05/06/2020 | NWP | NWP | NWP | NWP | NWP |
| | 06/09/2020 | NWP | NWP | NWP | NWP | NWP |
| | 09/04/2020 | NWP | NWP | NWP | NWP | NWP |
| | 12/11/2020 | NWP | NWP | NWP | NWP | NWP |
| | 03/16/2021 | NWP | NWP | NWP | NWP | NWP |
| | 06/11/2021 | NWP | NWP | NWP | NWP | NWP |
| | 09/01/2021 | NWP | NWP | NWP | NWP | NWP |
| | 11/29/2021 | NWP | NWP | NWP | NWP | NWP |
| | 03/02/2022 | NWP | NWP | NWP | NWP | NWP |
| | 06/02/2022 | NWP | NWP | NWP | NWP | NWP |
| | 09/13/2022 | NWP | NWP | NWP | NWP | NWP |
| | 12/01/2022 | NWP | NWP | NWP | NWP | NWP |
| | 03/01/2023 | <0.000408 *1 | 0.000688 J *1 | <0.000657 | <0.000642 | 0.000688 J |
| | 06/05/2023 | NWP | NWP | NWP | NWP | NWP |
| | 09/05/2023 | NWP | NWP | NWP | NWP | NWP |
| | 12/05/2023 | NWP | NWP | NWP | NWP | NWP |
| | 03/04/2024 | NWP | NWP | NWP | NWP | NWP |
| | 06/03/2024 | NWP | NWP | NWP | NWP | NWP |
| | 08/30/2024 | NWP | NWP | NWP | NWP | NWP |
| | 12/02/2024 | NWP | NWP | NWP | NWP | NWP |
| | 03/11/2025 | NWP | NWP | NWP | NWP | NWP |
| | 06/02/2025 | NWP | NWP | NWP | NWP | NWP |
| 09/02/2025 | NWP | NWP | NWP | NWP | NWP | |

Table 2 - Groundwater Analytical Data - Historical
 Lovington Deep 6"
 Lea County, NM
 SRS#: 2002-10312

| Sample ID | Sample Date | 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-8 | 03/12/2020 | 0.00465 | <0.000367 | <0.000657 | <0.000630 | 0.00465 |
| | 06/11/2020 | 0.000870 JF | <0.000367 F | <0.000657 LF | <0.000630 | 0.000870 J |
| | 09/10/2020 | 0.00208 | <0.000367 | <0.000657 | <0.000630 | 0.00208 |
| | 12/15/2020 | 0.000590 J | <0.002000 | 0.00116 J | 0.00132 J | 0.00307 |
| | 03/29/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00200 |
| | 06/11/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 09/07/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 11/30/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 03/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 06/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 09/13/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 12/05/2022 | <0.000408 | 0.000429 J *1 | <0.000657 *1 | <0.000642 *1 | <0.000657 |
| | 03/01/2023 | <0.000408 *1 | 0.000911 J | <0.000657 | <0.000642 | 0.000911 J |
| | 06/08/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 03/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2024 | <0.00100 | <0.00100 | 0.00108 | <0.00100 | 0.00108 |
| | 12/03/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 03/11/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| MW-9 | 03/12/2020 | 0.00583 | <0.000367 | <0.000657 | <0.000630 | 0.00583 |
| | 09/10/2020 | 0.00496 | <0.000367 | <0.000657 | <0.000630 | 0.00496 |
| | 12/15/2020 | 0.000750 J | <0.002000 | 0.00166 J | 0.00163 J | 0.004040 |
| | 03/18/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00200 |
| | 06/11/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 09/07/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 11/30/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 03/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 06/03/2022 | <0.000408 | <0.000367 | <0.000657 | 0.00110 J | 0.00110 J |
| | 09/13/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 12/05/2022 | <0.000408 | 0.000424 J *1 | <0.000657 *1 | <0.000642 *1 | <0.000657 |
| | 03/01/2023 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 06/08/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/06/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 03/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2024 | <0.00100 | <0.00100 | 0.00119 | <0.00100 | 0.00119 |
| | 12/03/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 03/11/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | MW-10 | 03/14/2019 | 4.29 | <0.000367 | 0.142 | 0.00063 |
| 06/10/2019 | | 32 | <0.0367 | 2.89 | 2.56 | 38 |
| 09/26/2019 | | 4.43 | <0.000367 | 0.307 | 0.000630 | 4.74 |
| 12/07/2019 | | 1.12 | <0.000367 | 0.0564 | 0.000630 | 1.18 |
| 03/11/2020 | | 3.03 | <0.000367 | 0.161 | 0.000630 | 3.19 |
| 06/11/2020 | | 2.33 | 0.00104 JF | 0.0498 | 0.00203 | 2.38 |
| 09/04/2020 | | NWP | NWP | NWP | NWP | NWP |
| 12/11/2020 | | DR | DR | DR | DR | DR |
| 03/16/2021 | | DR | DR | DR | DR | DR |
| 06/11/2021 | | DR | DR | DR | DR | DR |
| 09/01/2021 | | DR | DR | DR | DR | DR |
| 11/29/2021 | | DR | DR | DR | DR | DR |
| 03/02/2022 | | DR | DR | DR | DR | DR |
| 06/02/2022 | | DR | DR | DR | DR | DR |
| 09/13/2022 | | DR | DR | DR | DR | DR |
| 12/01/2022 | | DR | DR | DR | DR | DR |
| 03/01/2023 | | DR | DR | DR | DR | DR |
| 06/05/2023 | | DR | DR | DR | DR | DR |
| 09/05/2023 | | DR | DR | DR | DR | DR |
| 12/05/2023 | | DR | DR | DR | DR | DR |
| 03/04/2024 | | DR | DR | DR | DR | DR |
| 06/03/2024 | | DR | DR | DR | DR | DR |
| 08/30/2024 | | DR | DR | DR | DR | DR |
| 12/02/2024 | DR | DR | DR | DR | DR | |
| 03/11/2025 | DR | DR | DR | DR | DR | |
| 06/02/2025 | DR | DR | DR | DR | DR | |
| 09/02/2025 | DR | DR | DR | DR | DR | |

Table 2 - Groundwater Analytical Data - Historical
 Lovington Deep 6"
 Lea County, NM
 SRS#: 2002-10312

| Sample ID | Sample Date | 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-11 | 03/12/2020 | <0.000408 | <0.000367 | <0.000657 | <0.000630 | <0.000367 |
| | 06/11/2020 | <0.000408 F | <0.000367 F | <0.000657 LF | <0.000630 | <0.000367 |
| | 09/08/2020 | 0.00575 | <0.000367 | 0.00384 | 0.00263 | 0.0122 |
| | 12/15/2020 | 0.00153 J | <0.002000 | 0.00251 | 0.00254 | 0.006580 |
| | 03/29/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00200 |
| | 06/11/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 09/07/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 11/30/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 03/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 06/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 09/13/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 12/05/2022 | <0.000408 | <0.000367 *1 | <0.000657 *1 | <0.000642 *1 | <0.000657 |
| | 03/01/2023 | <0.000408 | 0.000416 J | <0.000657 | <0.000642 | <0.000657 |
| | 06/08/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 03/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2024 | <0.00100 | <0.00100 | 0.00511 | 0.00507 | 0.0102 |
| | 12/03/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 03/11/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| MW-12 | 03/12/2020 | 0.00719 | 0.000750 J | 0.00121 J | <0.000630 | 0.00915 |
| | 06/11/2020 | 0.00101 JF | <0.000367 F | <0.000657 LF | <0.000630 | 0.00101 J |
| | 09/10/2020 | 0.00874 | 0.000510 J | 0.00161 J | 0.00117 J | 0.012 |
| | 12/15/2020 | 0.00213 | <0.002000 | 0.00236 | 0.00217 | 0.00666 |
| | 03/18/2021 | 0.000887 J | 0.000745 J | 0.00108 J | 0.00273 J | 0.00544 |
| | 06/11/2021 | 0.000750 J | 0.000555 J | <0.00200 | <0.00400 | 0.00131 J |
| | 09/07/2021 | 0.000614 J | <0.00200 | 0.000673 J | <0.00400 | 0.00129 J |
| | 11/30/2021 | 0.000479 J | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 03/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 06/03/2022 | <0.00816 | <0.00734 | <0.0131 | <0.0128 | <0.0131 |
| | 09/13/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 12/02/2022 | <0.00408 | <0.00367 *1 | <0.00657 *1 | <0.00642 *1 | <0.00657 |
| | 03/01/2023 | <0.000408 *1 | <0.000367 | <0.000657 | 0.00160 J | 0.00160 J |
| | 06/08/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 03/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2024 | <0.00100 | <0.00100 | 0.00147 | <0.00100 | 0.00247 |
| | 12/03/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 03/11/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| MW-15 | 03/12/2020 | <0.000408 | <0.000367 | 0.0265 | <0.000630 | 0.0265 |
| | 06/11/2020 | 0.00205 F | <0.000367 F | 0.0235 LF | 0.014 | 0.0396 |
| | 09/11/2020 | 0.000940 J | <0.000367 | 0.00715 | 0.00268 | 0.0108 |
| | 12/15/2020 | 0.000810 J | <0.002000 | 0.00257 | 0.00121 J | 0.00459 |
| | 03/19/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00200 |
| | 06/11/2021 | <0.00200 | <0.00200 | 0.00263 | <0.00400 | 0.00263 J |
| | 09/07/2021 | <0.00200 | <0.00200 | 0.00679 | 0.000719 J | 0.00751 |
| | 11/29/2021 | <0.00200 | <0.00200 | 0.00373 | <0.00400 | 0.00373 J |
| | 03/03/2022 | <0.000408 | <0.000367 | 0.00449 | <0.000642 | 0.00449 |
| | 06/03/2022 | <0.000408 | <0.000367 | 0.00123 J | 0.000946 J | 0.00218 J |
| | 09/13/2022 | <0.000408 | <0.000367 | <0.000657 | 0.00122 J | 0.00122 J |
| | 12/05/2022 | <0.000408 | <0.000367 *1 | 0.00224 | <0.000642 *1 | 0.00224 J |
| | 03/02/2023 | <0.000408 | <0.000367 *- | 0.00352 | 0.00181 J | 0.00533 |
| | 06/07/2023 | <0.00100 | <0.00100 | 0.00148 | <0.00100 | 0.00148 |
| | 09/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/06/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | 0.0010 |
| | 03/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/03/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2024 | <0.00100 | <0.00100 | 0.00203 | <0.00100 | 0.00203 |
| | 12/02/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 03/11/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |

Table 2 - Groundwater Analytical Data - Historical
 Lovington Deep 6"
 Lea County, NM
 SRS#: 2002-10312

| Sample ID | Sample Date | 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-16 | 03/12/2020 | <0.000408 | <0.000367 | <0.000657 | <0.000630 | <0.000367 |
| | 06/11/2020 | <0.000408 F | <0.000367 F | <0.000657 LF | <0.000630 | <0.000367 |
| | 09/11/2020 | 0.00140 J | 0.000380 J | 0.00354 | 0.00299 | 0.00831 |
| | 12/15/2020 | 0.000590 J | <0.002000 | 0.00185 J | 0.00176 J | 0.00420 |
| | 03/19/2021 | <0.00200 | <0.00200 | 0.00682 | 0.00928 | 0.0161 |
| | 06/11/2021 | <0.00200 | <0.00200 | 0.00192 J | 0.00229 J | 0.00421 |
| | 09/07/2021 | <0.00200 | <0.00200 | 0.00151 J | <0.00400 | 0.00151 J |
| | 11/29/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 03/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 06/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 09/13/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 12/05/2022 | <0.000408 | <0.000367 *1 | <0.000657 *1 | <0.000642 *1 | <0.000657 |
| | 03/02/2023 | <0.000408 *1 | <0.000367 | <0.000657 | 0.00159 J | 0.00159 J |
| | 06/08/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/06/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 03/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/03/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2024 | <0.00100 | <0.00100 | 0.00145 | <0.00100 | 0.00145 |
| | 12/02/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 03/11/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| MW-18 | 03/11/2020 | 0.217 | 0.0239 | 0.0105 | 0.00489 | 0.256 |
| | 06/11/2020 | 0.241 | 0.0138 F | 0.00619 LF | 0.0366 | 0.298 |
| | 09/08/2020 | 0.135 | 0.0242 | 0.0119 | 0.0517 | 0.223 |
| | 12/14/2020 | 0.0479 | 0.0196 | 0.00646 | 0.00537 | 0.07933 |
| | 03/18/2021 | 0.00968 J | 0.0236 J | <0.0400 | <0.0800 | 0.0333 J |
| | 06/11/2021 | <0.00200 | 0.0175 | 0.00494 | <0.00400 | 0.0224 |
| | 09/07/2021 | 0.000698 J | 0.00218 | 0.00494 | <0.00400 | 0.00782 |
| | 11/30/2021 | 0.000702 J | 0.00527 | 0.00141 J | 0.0448 | 0.0522 |
| | 03/03/2022 | <0.000408 | 0.00477 | <0.000657 | <0.000642 | 0.00477 |
| | 06/02/2022 | 0.00223 | <0.000367 | <0.000657 | 0.00104 J | 0.00327 J |
| | 09/14/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 12/05/2022 | <0.00408 | <0.00367 *1 | <0.00657 *1 | <0.00642 *1 | <0.00657 |
| | 03/02/2023 | <0.000408 *1 | <0.000367 | <0.000657 | 0.00159 J | 0.00159 J |
| | 06/07/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/05/2023 | 0.00107 | <0.00100 | <0.00100 | <0.00100 | 0.00107 |
| | 03/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/03/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2024 | 0.00186 | <0.00100 | 0.0212 | 0.0213 | 0.0444 |
| | 12/02/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 03/11/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| MW-19 | 03/11/2020 | 3.96 D | 0.00557 | 0.00777 | 0.00131 J | 3.97 |
| | 06/11/2020 | <0.000408 F | <0.000367 F | <0.000657 LF | <0.000630 | <0.000367 |
| | 09/08/2020 | 1.21 | <0.00184 | <0.00329 | <0.00315 | 1.21 |
| | 12/14/2020 | 0.336 X | 0.00208 | 0.00131 J | 0.00116 J | 0.3406 |
| | 03/18/2021 | 0.0235 | <0.00200 | <0.00200 | <0.00400 | 0.0235 |
| | 06/11/2021 | 0.0958 | <0.00200 | <0.00200 | 0.00114 J | 0.0969 |
| | 09/07/2021 | 0.110 | 0.00112 J | <0.00200 | <0.00400 | 0.111 |
| | 11/30/2021 | 0.00575 | 0.00039 J | <0.00200 | <0.00400 | 0.00614 |
| | 03/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 06/02/2022 | 0.0268 | <0.000367 | 0.00322 | 0.0223 | 0.0523 |
| | 09/14/2022 | 0.000773 J | <0.000367 | <0.000657 | <0.000642 | 0.000773 J |
| | 12/02/2022 | 0.00110 J | 0.000628 J *1 | <0.000657 *1 | <0.000642 *1 | 0.00173 J |
| | 03/01/2023 | <0.000408 | <0.000367 | 0.00149 J | 0.00273 J | 0.00422 |
| | 06/07/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | 0.00071 |
| | 09/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | 0.0006 |
| | 12/05/2023 | <0.00100 | <0.00100 | <0.00100 | 0.00127 | 0.00127 |
| | 03/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2024 | 0.00349 | 0.00112 | 0.0433 | 0.046 | 0.0939 |
| | 12/02/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 03/11/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |

Table 2 - Groundwater Analytical Data - Historical
Lovington Deep 6"
Lea County, NM
SRS#: 2002-10312

| Sample ID | Sample Date | 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 | 03/11/2020 | 0.0227 | <0.000367 | <0.000657 | <0.000630 | 0.0227 |
| | 06/11/2020 | <0.000408 F | <0.000367 F | <0.000657 LF | <0.000630 | <0.000367 |
| | 09/08/2020 | <0.000408 XF | <0.000367 XF | <0.000657 XF | <0.000630 | <0.000367 |
| | 12/14/2020 | 0.0032 | <0.002000 | <0.002000 | <0.002000 | 0.0032 |
| | 03/18/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00200 |
| | 06/11/2021 | 0.000427 J | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 09/07/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 11/30/2021 | <0.00200 | <0.00200 | <0.00200 | <0.00400 | <0.00400 |
| | 03/03/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 06/02/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 09/13/2022 | <0.000408 | <0.000367 | <0.000657 | <0.000642 | <0.000657 |
| | 12/02/2022 | <0.000408 | <0.000367 *1 | <0.000657 *1 | <0.000642 *1 | <0.000657 |
| | 03/01/2023 | <0.000408 | 0.000372 J | <0.000657 | <0.000642 | <0.000657 |
| | 06/07/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 12/05/2023 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 03/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 06/04/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| | 09/05/2024 | 0.00839 | 0.00321 | 0.148 | 0.168 | 0.328 |
| | 12/02/2024 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| 03/11/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 06/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |
| 09/02/2025 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | <0.00100 | |

Notes:

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

DR = Well Dry

NWP = Well not sampled due to insufficient water

Analyte concentration exceeds the standard for:

NMWQCC - Groundwater



APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

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



Analytical Report

Prepared for:

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

Project: Lovington Deep
Project Number: SRS #2002-10312
Location: Lea County, NM
Lab Order Number: 5C14008



Current Certification

Report Date: 03/20/25

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

Project: Lovington Deep
Project Number: SRS #2002-10312
Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|------------------|
| MW-20 | 5C14008-01 | Water | 03/11/25 08:08 | 03-14-2025 09:23 |
| MW-19 | 5C14008-02 | Water | 03/11/25 08:28 | 03-14-2025 09:23 |
| MW-18 | 5C14008-03 | Water | 03/11/25 09:21 | 03-14-2025 09:23 |
| MW-4 | 5C14008-04 | Water | 03/11/25 11:08 | 03-14-2025 09:23 |
| MW-11 | 5C14008-05 | Water | 03/11/25 11:40 | 03-14-2025 09:23 |
| MW-12 | 5C14008-06 | Water | 03/11/25 11:59 | 03-14-2025 09:23 |
| MW-9 | 5C14008-07 | Water | 03/11/25 12:32 | 03-14-2025 09:23 |
| MW-5 | 5C14008-08 | Water | 03/11/25 14:00 | 03-14-2025 09:23 |
| MW-8 | 5C14008-09 | Water | 03/11/25 14:24 | 03-14-2025 09:23 |
| MW-16 | 5C14008-10 | Water | 03/11/25 10:01 | 03-14-2025 09:23 |
| MW-15 | 5C14008-11 | Water | 03/11/25 10:42 | 03-14-2025 09:23 |
| MW-1 | 5C14008-12 | Water | 03/11/25 14:49 | 03-14-2025 09:23 |

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: David Adkins

MW-20
5C14008-01 (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 | P5C1405 | 03/14/25 15:51 | 03/15/25 02:37 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 02:37 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 02:37 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 02:37 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 02:37 | EPA 8021B | |
| Surrogate: 4-Bromofluorobenzene | | 96.3 % | 80-120 | | P5C1405 | 03/14/25 15:51 | 03/15/25 02:37 | EPA 8021B | |
| Surrogate: 1,4-Difluorobenzene | | 97.7 % | 80-120 | | P5C1405 | 03/14/25 15:51 | 03/15/25 02:37 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:51 | 03/15/25 02:37 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:51 | 03/15/25 02:37 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: David Adkins

MW-19
5C14008-02 (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 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:00 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:00 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:00 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:00 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:00 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 98.6 % | | | <i>P5C1405</i> | <i>03/14/25 15:51</i> | <i>03/15/25 03:00</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 97.1 % | | | <i>P5C1405</i> | <i>03/14/25 15:51</i> | <i>03/15/25 03:00</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:51 | 03/15/25 03:00 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:51 | 03/15/25 03:00 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: David Adkins

MW-18
5C14008-03 (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 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:23 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:23 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:23 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:23 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:23 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 97.0 % | | | P5C1405 | 03/14/25 15:51 | 03/15/25 03:23 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 95.9 % | | | P5C1405 | 03/14/25 15:51 | 03/15/25 03:23 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:51 | 03/15/25 03:23 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:51 | 03/15/25 03:23 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: David Adkins

MW-4
5C14008-04 (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 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:45 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:45 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:45 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:45 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5C1405 | 03/14/25 15:51 | 03/15/25 03:45 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 94.1 % | | | P5C1405 | 03/14/25 15:51 | 03/15/25 03:45 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 97.5 % | | | P5C1405 | 03/14/25 15:51 | 03/15/25 03:45 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:51 | 03/15/25 03:45 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:51 | 03/15/25 03:45 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: David Adkins

MW-11
5C14008-05 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|---------|-------|----------|----------------|-----------------------|-----------------------|------------------|-------|
| | Result | Limit | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 06:48 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 06:48 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 06:48 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 06:48 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 06:48 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 93.3 % | | | <i>P5C1406</i> | <i>03/14/25 15:56</i> | <i>03/15/25 06:48</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 96.1 % | | | <i>P5C1406</i> | <i>03/14/25 15:56</i> | <i>03/15/25 06:48</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 06:48 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 06:48 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: David Adkins

MW-12
5C14008-06 (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 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:11 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:11 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:11 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:11 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:11 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 92.5 % | 80-120 | | P5C1406 | 03/14/25 15:56 | 03/15/25 07:11 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 96.1 % | 80-120 | | P5C1406 | 03/14/25 15:56 | 03/15/25 07:11 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 07:11 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 07:11 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: David Adkins

MW-9
5C14008-07 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|---------|-------|----------|----------------|-----------------------|-----------------------|------------------|-------|
| | Result | Limit | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:33 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:33 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:33 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:33 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:33 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 92.9 % | | | <i>P5C1406</i> | <i>03/14/25 15:56</i> | <i>03/15/25 07:33</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 96.1 % | | | <i>P5C1406</i> | <i>03/14/25 15:56</i> | <i>03/15/25 07:33</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 07:33 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 07:33 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: David Adkins

MW-5
5C14008-08 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|---------|-------|----------|----------------|-----------------------|-----------------------|------------------|-------|
| | Result | Limit | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:56 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:56 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:56 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:56 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 07:56 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 93.6 % | | | <i>P5C1406</i> | <i>03/14/25 15:56</i> | <i>03/15/25 07:56</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 96.6 % | | | <i>P5C1406</i> | <i>03/14/25 15:56</i> | <i>03/15/25 07:56</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 07:56 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 07:56 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: David Adkins

MW-8
5C14008-09 (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 | P5C1406 | 03/14/25 15:56 | 03/15/25 08:19 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 08:19 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 08:19 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 08:19 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 08:19 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 92.3 % | | | <i>P5C1406</i> | <i>03/14/25 15:56</i> | <i>03/15/25 08:19</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 96.6 % | | | <i>P5C1406</i> | <i>03/14/25 15:56</i> | <i>03/15/25 08:19</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 08:19 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 08:19 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: David Adkins

MW-16
5C14008-10 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|---------|--------|----------|---------|----------------|----------------|-----------|-------|
| | Result | Limit | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 08:42 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 08:42 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 08:42 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 08:42 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 08:42 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 94.3 % | 80-120 | | P5C1406 | 03/14/25 15:56 | 03/15/25 08:42 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 97.2 % | 80-120 | | P5C1406 | 03/14/25 15:56 | 03/15/25 08:42 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 08:42 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 08:42 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: David Adkins

MW-15
5C14008-11 (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 | P5C1406 | 03/14/25 15:56 | 03/15/25 09:04 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 09:04 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 09:04 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 09:04 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 09:04 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 95.1 % | | | P5C1406 | 03/14/25 15:56 | 03/15/25 09:04 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 97.7 % | | | P5C1406 | 03/14/25 15:56 | 03/15/25 09:04 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 09:04 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 09:04 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: David Adkins

MW-1
5C14008-12 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|---------|-------|----------|----------------|-----------------------|-----------------------|------------------|-------|
| | Result | Limit | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 09:27 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 09:27 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 09:27 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 09:27 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5C1406 | 03/14/25 15:56 | 03/15/25 09:27 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 95.2 % | | | <i>P5C1406</i> | <i>03/14/25 15:56</i> | <i>03/15/25 09:27</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 98.3 % | | | <i>P5C1406</i> | <i>03/14/25 15:56</i> | <i>03/15/25 09:27</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 09:27 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 03/14/25 15:56 | 03/15/25 09:27 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: SRS #2002-10312
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 P5C1405 - * DEFAULT PREP *****

Blank (P5C1405-BLK1)

Prepared & Analyzed: 03/14/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| 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 | 0.115 | | " | 0.120 | | 95.7 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.116 | | " | 0.120 | | 96.8 | 80-120 | | | |

LCS (P5C1405-BS1)

Prepared & Analyzed: 03/14/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|--|-----|--------|--|--|--|
| Benzene | 0.106 | 0.00100 | mg/L | 0.100 | | 106 | 80-120 | | | |
| Toluene | 0.105 | 0.00100 | " | 0.100 | | 105 | 80-120 | | | |
| Ethylbenzene | 0.110 | 0.00100 | " | 0.100 | | 110 | 80-120 | | | |
| Xylene (p/m) | 0.220 | 0.00200 | " | 0.200 | | 110 | 80-120 | | | |
| Xylene (o) | 0.104 | 0.00100 | " | 0.100 | | 104 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.122 | | " | 0.120 | | 102 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |

LCS Dup (P5C1405-BSD1)

Prepared & Analyzed: 03/14/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|--|-----|--------|--------|----|--|
| Benzene | 0.107 | 0.00100 | mg/L | 0.100 | | 107 | 80-120 | 1.20 | 20 | |
| Toluene | 0.106 | 0.00100 | " | 0.100 | | 106 | 80-120 | 0.995 | 20 | |
| Ethylbenzene | 0.111 | 0.00100 | " | 0.100 | | 111 | 80-120 | 1.08 | 20 | |
| Xylene (p/m) | 0.222 | 0.00200 | " | 0.200 | | 111 | 80-120 | 0.846 | 20 | |
| Xylene (o) | 0.104 | 0.00100 | " | 0.100 | | 104 | 80-120 | 0.0864 | 20 | |
| Surrogate: 4-Bromofluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.122 | | " | 0.120 | | 102 | 80-120 | | | |

Calibration Blank (P5C1405-CCB1)

Prepared & Analyzed: 03/14/25

| | | | | | | | | | | |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene | 0.180 | | ug/l | | | | | | | |
| Toluene | 0.130 | | " | | | | | | | |
| Ethylbenzene | 0.150 | | " | | | | | | | |
| Xylene (p/m) | 0.340 | | " | | | | | | | |
| Xylene (o) | 0.00 | | " | | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.113 | | " | 0.120 | | 94.2 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.113 | | " | 0.120 | | 94.4 | 80-120 | | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 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 P5C1405 - * DEFAULT PREP *****

Calibration Blank (P5C1405-CCB2)

Prepared & Analyzed: 03/14/25

| | | | | | | | | | | |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene | 0.00 | | ug/l | | | | | | | |
| Toluene | 0.00 | | " | | | | | | | |
| Ethylbenzene | 0.220 | | " | | | | | | | |
| Xylene (p/m) | 0.270 | | " | | | | | | | |
| Xylene (o) | 0.00 | | " | | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.113 | | " | 0.120 | | 94.5 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.116 | | " | 0.120 | | 96.7 | 80-120 | | | |

Calibration Check (P5C1405-CCV1)

Prepared & Analyzed: 03/14/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|--|-----|--------|--|--|--|
| Benzene | 0.113 | 0.00100 | mg/L | 0.100 | | 113 | 80-120 | | | |
| Toluene | 0.109 | 0.00100 | " | 0.100 | | 109 | 80-120 | | | |
| Ethylbenzene | 0.104 | 0.00100 | " | 0.100 | | 104 | 80-120 | | | |
| Xylene (p/m) | 0.221 | 0.00200 | " | 0.200 | | 111 | 80-120 | | | |
| Xylene (o) | 0.106 | 0.00100 | " | 0.100 | | 106 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.120 | | " | 0.120 | | 100 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.122 | | " | 0.120 | | 102 | 80-120 | | | |

Calibration Check (P5C1405-CCV2)

Prepared & Analyzed: 03/14/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|--|-----|--------|--|--|--|
| Benzene | 0.118 | 0.00100 | mg/L | 0.100 | | 118 | 80-120 | | | |
| Toluene | 0.114 | 0.00100 | " | 0.100 | | 114 | 80-120 | | | |
| Ethylbenzene | 0.110 | 0.00100 | " | 0.100 | | 110 | 80-120 | | | |
| Xylene (p/m) | 0.230 | 0.00200 | " | 0.200 | | 115 | 80-120 | | | |
| Xylene (o) | 0.111 | 0.00100 | " | 0.100 | | 111 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.122 | | " | 0.120 | | 102 | 80-120 | | | |

Calibration Check (P5C1405-CCV3)

Prepared: 03/14/25 Analyzed: 03/15/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene | 0.113 | 0.00100 | mg/L | 0.100 | | 113 | 80-120 | | | |
| Toluene | 0.106 | 0.00100 | " | 0.100 | | 106 | 80-120 | | | |
| Ethylbenzene | 0.101 | 0.00100 | " | 0.100 | | 101 | 80-120 | | | |
| Xylene (p/m) | 0.216 | 0.00200 | " | 0.200 | | 108 | 80-120 | | | |
| Xylene (o) | 0.103 | 0.00100 | " | 0.100 | | 103 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.119 | | " | 0.120 | | 98.8 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: SRS #2002-10312
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 P5C1405 - * DEFAULT PREP *****

| Matrix Spike (P5C1405-MS1) | Source: 5C14007-01 | | | Prepared: 03/14/25 Analyzed: 03/15/25 | | | | | | |
|-----------------------------------|---------------------------|---------|------|---------------------------------------|----|-----|--------|--|--|--|
| Benzene | 0.113 | 0.00100 | mg/L | 0.100 | ND | 113 | 80-120 | | | |
| Toluene | 0.109 | 0.00100 | " | 0.100 | ND | 109 | 80-120 | | | |
| Ethylbenzene | 0.113 | 0.00100 | " | 0.100 | ND | 113 | 80-120 | | | |
| Xylene (p/m) | 0.223 | 0.00200 | " | 0.200 | ND | 112 | 80-120 | | | |
| Xylene (o) | 0.105 | 0.00100 | " | 0.100 | ND | 105 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.122 | | " | 0.120 | | 102 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |

| Matrix Spike Dup (P5C1405-MSD1) | Source: 5C14007-01 | | | Prepared: 03/14/25 Analyzed: 03/15/25 | | | | | | |
|--|---------------------------|---------|------|---------------------------------------|----|------|--------|------|----|--|
| Benzene | 0.106 | 0.00100 | mg/L | 0.100 | ND | 106 | 80-120 | 6.37 | 20 | |
| Toluene | 0.100 | 0.00100 | " | 0.100 | ND | 100 | 80-120 | 8.65 | 20 | |
| Ethylbenzene | 0.103 | 0.00100 | " | 0.100 | ND | 103 | 80-120 | 8.92 | 20 | |
| Xylene (p/m) | 0.208 | 0.00200 | " | 0.200 | ND | 104 | 80-120 | 6.88 | 20 | |
| Xylene (o) | 0.0962 | 0.00100 | " | 0.100 | ND | 96.2 | 80-120 | 9.18 | 20 | |
| Surrogate: 4-Bromofluorobenzene | 0.122 | | " | 0.120 | | 102 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.122 | | " | 0.120 | | 102 | 80-120 | | | |

Batch P5C1406 - * DEFAULT PREP *****

| Blank (P5C1406-BLK1) | | | | Prepared: 03/14/25 Analyzed: 03/15/25 | | | | | | |
|---------------------------------|-------|---------|------|---------------------------------------|--|------|--------|--|--|--|
| 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 | 0.114 | | " | 0.120 | | 94.6 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.118 | | " | 0.120 | | 98.2 | 80-120 | | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: SRS #2002-10312
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 P5C1406 - * DEFAULT PREP *****

LCS (P5C1406-BS1)

Prepared: 03/14/25 Analyzed: 03/15/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|--|-----|--------|--|--|--|
| Benzene | 0.106 | 0.00100 | mg/L | 0.100 | | 106 | 80-120 | | | |
| Toluene | 0.103 | 0.00100 | " | 0.100 | | 103 | 80-120 | | | |
| Ethylbenzene | 0.107 | 0.00100 | " | 0.100 | | 107 | 80-120 | | | |
| Xylene (p/m) | 0.215 | 0.00200 | " | 0.200 | | 107 | 80-120 | | | |
| Xylene (o) | 0.101 | 0.00100 | " | 0.100 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.122 | | " | 0.120 | | 102 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.122 | | " | 0.120 | | 102 | 80-120 | | | |

LCS Dup (P5C1406-BSD1)

Prepared: 03/14/25 Analyzed: 03/15/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|--|------|--------|--------|----|--|
| Benzene | 0.106 | 0.00100 | mg/L | 0.100 | | 106 | 80-120 | 0.651 | 20 | |
| Toluene | 0.105 | 0.00100 | " | 0.100 | | 105 | 80-120 | 1.59 | 20 | |
| Ethylbenzene | 0.109 | 0.00100 | " | 0.100 | | 109 | 80-120 | 1.68 | 20 | |
| Xylene (p/m) | 0.215 | 0.00200 | " | 0.200 | | 107 | 80-120 | 0.0419 | 20 | |
| Xylene (o) | 0.102 | 0.00100 | " | 0.100 | | 102 | 80-120 | 0.552 | 20 | |
| Surrogate: 4-Bromofluorobenzene | 0.120 | | " | 0.120 | | 99.9 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.120 | | " | 0.120 | | 100 | 80-120 | | | |

Calibration Blank (P5C1406-CCB1)

Prepared: 03/14/25 Analyzed: 03/15/25

| | | | | | | | | | | |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene | 0.190 | | ug/l | | | | | | | |
| Toluene | 0.150 | | " | | | | | | | |
| Ethylbenzene | 0.170 | | " | | | | | | | |
| Xylene (p/m) | 0.360 | | " | | | | | | | |
| Xylene (o) | 0.00 | | " | | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.114 | | " | 0.120 | | 95.1 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.117 | | " | 0.120 | | 97.8 | 80-120 | | | |

Calibration Blank (P5C1406-CCB2)

Prepared: 03/14/25 Analyzed: 03/15/25

| | | | | | | | | | | |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene | 0.00 | | ug/l | | | | | | | |
| Toluene | 0.00 | | " | | | | | | | |
| Ethylbenzene | 0.210 | | " | | | | | | | |
| Xylene (p/m) | 0.310 | | " | | | | | | | |
| Xylene (o) | 0.00 | | " | | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.113 | | " | 0.120 | | 94.6 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.117 | | " | 0.120 | | 97.3 | 80-120 | | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: SRS #2002-10312
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 P5C1406 - * DEFAULT PREP *****

| Calibration Check (P5C1406-CCV1) | | | | Prepared: 03/14/25 Analyzed: 03/15/25 | | | | | | |
|---|-------|---------|------|---------------------------------------|--|------|--------|--|--|--|
| Benzene | 0.113 | 0.00100 | mg/L | 0.100 | | 113 | 80-120 | | | |
| Toluene | 0.106 | 0.00100 | " | 0.100 | | 106 | 80-120 | | | |
| Ethylbenzene | 0.101 | 0.00100 | " | 0.100 | | 101 | 80-120 | | | |
| Xylene (p/m) | 0.216 | 0.00200 | " | 0.200 | | 108 | 80-120 | | | |
| Xylene (o) | 0.103 | 0.00100 | " | 0.100 | | 103 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.119 | | " | 0.120 | | 98.8 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |

| Calibration Check (P5C1406-CCV2) | | | | Prepared: 03/14/25 Analyzed: 03/15/25 | | | | | | |
|---|-------|---------|------|---------------------------------------|--|-----|--------|--|--|--|
| Benzene | 0.117 | 0.00100 | mg/L | 0.100 | | 117 | 80-120 | | | |
| Toluene | 0.111 | 0.00100 | " | 0.100 | | 111 | 80-120 | | | |
| Ethylbenzene | 0.105 | 0.00100 | " | 0.100 | | 105 | 80-120 | | | |
| Xylene (p/m) | 0.223 | 0.00200 | " | 0.200 | | 112 | 80-120 | | | |
| Xylene (o) | 0.108 | 0.00100 | " | 0.100 | | 108 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.120 | | " | 0.120 | | 100 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |

| Calibration Check (P5C1406-CCV3) | | | | Prepared: 03/14/25 Analyzed: 03/15/25 | | | | | | |
|---|-------|---------|------|---------------------------------------|--|------|--------|--|--|--|
| Benzene | 0.114 | 0.00100 | mg/L | 0.100 | | 114 | 80-120 | | | |
| Toluene | 0.109 | 0.00100 | " | 0.100 | | 109 | 80-120 | | | |
| Ethylbenzene | 0.111 | 0.00100 | " | 0.100 | | 111 | 80-120 | | | |
| Xylene (p/m) | 0.220 | 0.00200 | " | 0.200 | | 110 | 80-120 | | | |
| Xylene (o) | 0.105 | 0.00100 | " | 0.100 | | 105 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.119 | | " | 0.120 | | 98.9 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.120 | | " | 0.120 | | 99.8 | 80-120 | | | |

| Matrix Spike (P5C1406-MS1) | | | | Source: 5C14008-05 | | Prepared: 03/14/25 Analyzed: 03/15/25 | | | | |
|-----------------------------------|-------|---------|------|--------------------|----|---------------------------------------|--------|--|--|--|
| Benzene | 0.110 | 0.00100 | mg/L | 0.100 | ND | 110 | 80-120 | | | |
| Toluene | 0.104 | 0.00100 | " | 0.100 | ND | 104 | 80-120 | | | |
| Ethylbenzene | 0.107 | 0.00100 | " | 0.100 | ND | 107 | 80-120 | | | |
| Xylene (p/m) | 0.215 | 0.00200 | " | 0.200 | ND | 108 | 80-120 | | | |
| Xylene (o) | 0.100 | 0.00100 | " | 0.100 | ND | 100 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 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 P5C1406 - * DEFAULT PREP *****

| Matrix Spike Dup (P5C1406-MSD1) | Source: 5C14008-05 | | | Prepared: 03/14/25 Analyzed: 03/15/25 | | | | | |
|--|---------------------------|---------|------|---------------------------------------|----|-----|--------|------|----|
| Benzene | 0.114 | 0.00100 | mg/L | 0.100 | ND | 114 | 80-120 | 3.79 | 20 |
| Toluene | 0.110 | 0.00100 | " | 0.100 | ND | 110 | 80-120 | 5.06 | 20 |
| Ethylbenzene | 0.112 | 0.00100 | " | 0.100 | ND | 112 | 80-120 | 4.23 | 20 |
| Xylene (p/m) | 0.222 | 0.00200 | " | 0.200 | ND | 111 | 80-120 | 3.03 | 20 |
| Xylene (o) | 0.105 | 0.00100 | " | 0.100 | ND | 105 | 80-120 | 5.11 | 20 |
| Surrogate: 4-Bromofluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | |
| Surrogate: 1,4-Difluorobenzene | 0.122 | | " | 0.120 | | 101 | 80-120 | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: SRS #2002-10312
Project Manager: David Adkins

Notes and Definitions

- 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: 3/20/2025

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.



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab. LP
1400 Rankin HWY
Midland, Texas 79701

L: _____ CH: _____ W: _____
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

Sampler Signature: *Bartlett Mallery*

e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

Project Name: Lovington Deep (Low Deep)

Project #: Plains All American Pipeline

Project Loc: Lea County, NM

PO #: SRS# 2002-10312

Report Format: Standard TRRP NPDES

(lab use only)

ORDER #: 5C14002

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Ice | HNO ₃ | HCl | H ₂ SO ₄ | NaOH | Na ₂ S ₂ O ₃ | None | Other (Specify) | Matrix | TPH: TX 1005 TX 1006 | Anions (Cl, SO ₄ , Alkalinity) | BTEX 8021B/5030 or BTEX 8260 | TCLP? | TOTAL: | Analyze For: | |
|----------------------|------------|-----------------|--------------|--------------|--------------|----------------|------------------------|-----|------------------|-----|--------------------------------|------|---|------|-----------------|--------|----------------------|---|------------------------------|-------|--------|--------------|---|
| 1 | MW-20 | | | 3-11-25 | 8:08 | | 3 | | | | | | | | | GW | | | X | | | | X |
| 2 | MW-19 | | | 3-11-25 | 8:28 | | 3 | | | | | | | | | GW | | | X | | | | X |
| 3 | MW-18 | | | 3-11-25 | 9:21 | | 3 | | | | | | | | | GW | | | X | | | | X |
| 4 | MW-11 | | | 3-11-25 | 11:08 | | 3 | | | | | | | | | GW | | | X | | | | X |
| 5 | MW-11 | | | 3-11-25 | 11:40 | | 3 | | | | | | | | | GW | | | X | | | | X |
| 6 | MW-12 | | | 3-11-25 | 11:59 | | 3 | | | | | | | | | GW | | | X | | | | X |
| 7 | MW-9 | | | 3-11-25 | 12:32 | | 3 | | | | | | | | | GW | | | X | | | | X |
| 8 | MW-5 | | | 3-11-25 | 2:00 | | 3 | | | | | | | | | GW | | | X | | | | X |
| 9 | MW-8 | | | 3-11-25 | 2:24 | | 3 | | | | | | | | | GW | | | X | | | | X |
| 10 | MW-16 | | | 3-11-25 | 10:01 | | 3 | | | | | | | | | GW | | | X | | | | X |

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

| | | | | | |
|---|------|------|--------------|------|------|
| Reinquished by: <i>Bartlett Mallery</i> | Date | Time | Received by: | Date | Time |
| | | | | | |

| | | | | | |
|---|------|------|--------------|------|------|
| Reinquished by: <i>Bartlett Mallery</i> | Date | Time | Received by: | Date | Time |
| | | | | | |

| | | | | | |
|---|------|------|--------------|------|------|
| Reinquished by: <i>Bartlett Mallery</i> | Date | Time | Received by: | Date | Time |
| | | | | | |

| | | | | | |
|---|------|------|--------------|------|------|
| Reinquished by: <i>Bartlett Mallery</i> | Date | Time | Received by: | Date | Time |
| | | | | | |

| | | | | | |
|---|------|------|--------------|------|------|
| Reinquished by: <i>Bartlett Mallery</i> | Date | Time | Received by: | Date | Time |
| | | | | | |

LAB # (lab use only) _____
Revision #: 2021_1
Effective Date: 9-21-21
Page 1 of 2



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab. LP
1400 Rankin HWY
Midland, Texas 79701

L: _____ CH: _____ W: _____
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

Sampler Signature: *Bartholt Meloy*

e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

Fax No: _____

Report Format: Standard TRRP NPDES

Project Name: Lovington Deep (Lov Deep)

Project #: Plains All American Pipeline

Project Loc: Lea County, NM

PO #: SRS# 2002-10312

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

Reinquired by: *Bartholt Meloy* Date: *3/14/25* Time: *9:23* Received by: _____ Date: _____ Time: _____

Reinquired by: _____ Date: _____ Time: _____ Received by: *Thom Budge* Date: *8/14/25* Time: *9:23*

Reinquired by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

PBBL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21 Page 2 of 2

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Ice | HNO ₃ | HCl | H ₂ SO ₄ | NaOH | Na ₂ S ₂ O ₃ | None | Other (Specify) | DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other | TPH: TX 1005 TX 1006 | Anions (Cl, SO ₄ , Alkalinity) | BTEX 8021B/5030 or BTEX 8260 | TCLP: | TOTAL: | Analyze For: | RUSH TAT (Pre-Schedule) 24, 48, 72 h | Standard TAT | |
|----------------------|------------|-----------------|--------------|--------------|--------------|----------------|------------------------|-----|------------------|-----|--------------------------------|------|---|------|-----------------|--|----------------------|---|------------------------------|-------|--------|--------------|--------------------------------------|--------------|--|
| 11 | MW-15 | | | 3-11-25 | 10:42 | | 3 | 3 | | | | | | | | GW | | | X | | | | | X | |
| 12 | MW-1 | | | 3-11-25 | 2:49 | | 3 | 3 | | | | | | | | GW | | | X | | | | | X | |

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



Analytical Report

Prepared for:

Brian Payton
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: Lovington Deep
Project Number: SRS #2002-10312
Location: Lea County, NM
Lab Order Number: 5F03012



Current Certification

Report Date: 06/09/25

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

Project: Lovington Deep
Project Number: SRS #2002-10312
Project Manager: Brian Payton

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|------------------|
| MW-20 | 5F03012-01 | Water | 06/02/25 08:07 | 06-03-2025 09:10 |
| MW-19 | 5F03012-02 | Water | 06/02/25 08:32 | 06-03-2025 09:10 |
| MW-18 | 5F03012-03 | Water | 06/02/25 09:16 | 06-03-2025 09:10 |
| MW-4 | 5F03012-04 | Water | 06/02/25 11:21 | 06-03-2025 09:10 |
| MW-11 | 5F03012-05 | Water | 06/02/25 11:48 | 06-03-2025 09:10 |
| MW-12 | 5F03012-06 | Water | 06/02/25 13:13 | 06-03-2025 09:10 |
| MW-9 | 5F03012-07 | Water | 06/02/25 13:32 | 06-03-2025 09:10 |
| MW-5 | 5F03012-08 | Water | 06/02/25 13:51 | 06-03-2025 09:10 |
| MW-8 | 5F03012-09 | Water | 06/02/25 14:07 | 06-03-2025 09:10 |
| MW-16 | 5F03012-10 | Water | 06/02/25 09:54 | 06-03-2025 09:10 |
| MW-15 | 5F03012-11 | Water | 06/02/25 10:26 | 06-03-2025 09:10 |
| MW-3 | 5F03012-12 | Water | 06/02/25 10:51 | 06-03-2025 09:10 |
| MW-1 | 5F03012-13 | Water | 06/02/25 14:27 | 06-03-2025 09:10 |

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-20
5F03012-01 (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 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | <i>90.1 %</i> | <i>80-120</i> | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | <i>94.9 %</i> | <i>80-120</i> | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-19
5F03012-02 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|---------|-------|----------|----------------|-----------------------|-----------------------|------------------|-------|
| | Result | Limit | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 92.5 % | | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 94.6 % | | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-18
5F03012-03 (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 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 92.5 % | | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 94.4 % | | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-4
5F03012-04 (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 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 92.3 % | 80-120 | | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 95.0 % | 80-120 | | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-11
5F03012-05 (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 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Surrogate: 4-Bromofluorobenzene | | 90.9 % | 80-120 | | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Surrogate: 1,4-Difluorobenzene | | 94.0 % | 80-120 | | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-12
5F03012-06 (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 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 89.8 % | | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 93.3 % | | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-9
5F03012-07 (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 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Surrogate: 4-Bromofluorobenzene | | 88.8 % | | | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Surrogate: 1,4-Difluorobenzene | | 92.1 % | | | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-5
5F03012-08 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------|-----------|---------|-------|----------|---------|----------------|----------------|-----------|-------|
| | Result | Limit | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Surrogate: 4-Bromofluorobenzene | | 88.1 % | | | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Surrogate: 1,4-Difluorobenzene | | 92.6 % | | | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-8
5F03012-09 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|---------|-------|----------|---------|----------------|----------------|-----------|-------|
| | Result | Limit | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 90.5 % | | | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 94.0 % | | | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-16
5F03012-10 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|---------|-------|----------|----------------|-----------------------|-----------------------|------------------|-------|
| | Result | Limit | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 89.8 % | | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 92.3 % | | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-15
5F03012-11 (Water)

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-----------|-------|-------|----------|-------|----------|----------|--------|-------|
| | Result | Limit | | | | | | | |

Permian Basin Environmental Lab, L.P.

Organics by GC

| | | | | | | | | | |
|--|----|---------|------|---|----------------|-----------------------|-----------------------|------------------|--|
| Benzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 90.2 % | | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 93.1 % | | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-3
5F03012-12 (Water)

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|-----------|-------|-------|----------|-------|----------|----------|--------|-------|
| | Result | Limit | | | | | | | |

Permian Basin Environmental Lab, L.P.

Organics by GC

| | | | | | | | | | |
|--|----|---------|------|---|---------|----------------|----------------|-----------|--|
| Benzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 91.5 % | | | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 93.5 % | | | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

MW-1
5F03012-13 (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 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P5F0407 | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 92.3 % | | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 94.5 % | | | <i>P5F0407</i> | <i>06/06/25 10:18</i> | <i>06/06/25 14:06</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 06/06/25 10:18 | 06/06/25 14:06 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: SRS #2002-10312
Project Manager: Brian Payton

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 P5F0407 - * DEFAULT PREP *****

Blank (P5F0407-BLK1)

Prepared & Analyzed: 06/06/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| 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 | 0.108 | | " | 0.120 | | 90.0 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.114 | | " | 0.120 | | 95.2 | 80-120 | | | |

LCS (P5F0407-BS1)

Prepared & Analyzed: 06/06/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene | 0.0998 | 0.00100 | mg/L | 0.100 | | 99.8 | 80-120 | | | |
| Toluene | 0.0960 | 0.00100 | " | 0.100 | | 96.0 | 80-120 | | | |
| Ethylbenzene | 0.0965 | 0.00100 | " | 0.100 | | 96.5 | 80-120 | | | |
| Xylene (p/m) | 0.193 | 0.00200 | " | 0.200 | | 96.4 | 80-120 | | | |
| Xylene (o) | 0.0918 | 0.00100 | " | 0.100 | | 91.8 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.115 | | " | 0.120 | | 95.6 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.117 | | " | 0.120 | | 97.2 | 80-120 | | | |

LCS Dup (P5F0407-BSD1)

Prepared & Analyzed: 06/06/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|--|------|--------|------|----|--|
| Benzene | 0.0977 | 0.00100 | mg/L | 0.100 | | 97.7 | 80-120 | 2.07 | 20 | |
| Toluene | 0.0928 | 0.00100 | " | 0.100 | | 92.8 | 80-120 | 3.49 | 20 | |
| Ethylbenzene | 0.0924 | 0.00100 | " | 0.100 | | 92.4 | 80-120 | 4.38 | 20 | |
| Xylene (p/m) | 0.186 | 0.00200 | " | 0.200 | | 93.0 | 80-120 | 3.57 | 20 | |
| Xylene (o) | 0.0880 | 0.00100 | " | 0.100 | | 88.0 | 80-120 | 4.28 | 20 | |
| Surrogate: 4-Bromofluorobenzene | 0.116 | | " | 0.120 | | 96.6 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.117 | | " | 0.120 | | 97.7 | 80-120 | | | |

Calibration Blank (P5F0407-CCB1)

Prepared & Analyzed: 06/06/25

| | | | | | | | | | | |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene | 0.00 | | ug/l | | | | | | | |
| Toluene | 0.00 | | " | | | | | | | |
| Ethylbenzene | 0.00 | | " | | | | | | | |
| Xylene (p/m) | 0.00 | | " | | | | | | | |
| Xylene (o) | 0.00 | | " | | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.110 | | " | 0.120 | | 91.5 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.116 | | " | 0.120 | | 96.3 | 80-120 | | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: SRS #2002-10312
 Project Manager: Brian Payton

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 P5F0407 - * DEFAULT PREP *****

Calibration Blank (P5F0407-CCB2)

Prepared & Analyzed: 06/06/25

| | | | | | | | | | | |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene | 0.00 | | ug/l | | | | | | | |
| Toluene | 0.00 | | " | | | | | | | |
| Ethylbenzene | 0.00 | | " | | | | | | | |
| Xylene (p/m) | 0.00 | | " | | | | | | | |
| Xylene (o) | 0.00 | | " | | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.109 | | " | 0.120 | | 90.5 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.112 | | " | 0.120 | | 93.2 | 80-120 | | | |

Calibration Blank (P5F0407-CCB3)

Prepared & Analyzed: 06/06/25

| | | | | | | | | | | |
|---------------------------------|-------|--|------|-------|--|------|--------|--|--|--|
| Benzene | 0.00 | | ug/l | | | | | | | |
| Toluene | 0.00 | | " | | | | | | | |
| Ethylbenzene | 0.360 | | " | | | | | | | |
| Xylene (p/m) | 0.750 | | " | | | | | | | |
| Xylene (o) | 0.00 | | " | | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 0.110 | | " | 0.120 | | 91.9 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.111 | | " | 0.120 | | 92.1 | 80-120 | | | |

Calibration Check (P5F0407-CCV1)

Prepared & Analyzed: 06/06/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene | 0.0977 | 0.00100 | mg/L | 0.100 | | 97.7 | 80-120 | | | |
| Toluene | 0.0936 | 0.00100 | " | 0.100 | | 93.6 | 80-120 | | | |
| Ethylbenzene | 0.0907 | 0.00100 | " | 0.100 | | 90.7 | 80-120 | | | |
| Xylene (p/m) | 0.186 | 0.00200 | " | 0.200 | | 93.0 | 80-120 | | | |
| Xylene (o) | 0.0900 | 0.00100 | " | 0.100 | | 90.0 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.115 | | " | 0.120 | | 95.7 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.117 | | " | 0.120 | | 97.5 | 80-120 | | | |

Calibration Check (P5F0407-CCV2)

Prepared & Analyzed: 06/06/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene | 0.117 | 0.00100 | mg/L | 0.100 | | 117 | 80-120 | | | |
| Toluene | 0.112 | 0.00100 | " | 0.100 | | 112 | 80-120 | | | |
| Ethylbenzene | 0.107 | 0.00100 | " | 0.100 | | 107 | 80-120 | | | |
| Xylene (p/m) | 0.219 | 0.00200 | " | 0.200 | | 109 | 80-120 | | | |
| Xylene (o) | 0.107 | 0.00100 | " | 0.100 | | 107 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.114 | | " | 0.120 | | 94.8 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.114 | | " | 0.120 | | 95.2 | 80-120 | | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: SRS #2002-10312
Project Manager: Brian Payton

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 P5F0407 - * DEFAULT PREP *****

Calibration Check (P5F0407-CCV3)

Prepared & Analyzed: 06/06/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| Benzene | 0.116 | 0.00100 | mg/L | 0.100 | | 116 | 80-120 | | | |
| Toluene | 0.111 | 0.00100 | " | 0.100 | | 111 | 80-120 | | | |
| Ethylbenzene | 0.107 | 0.00100 | " | 0.100 | | 107 | 80-120 | | | |
| Xylene (p/m) | 0.219 | 0.00200 | " | 0.200 | | 110 | 80-120 | | | |
| Xylene (o) | 0.107 | 0.00100 | " | 0.100 | | 107 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.116 | | " | 0.120 | | 96.6 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.114 | | " | 0.120 | | 95.4 | 80-120 | | | |

Matrix Spike (P5F0407-MS1)

Source: 5F03012-01

Prepared & Analyzed: 06/06/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|----|------|--------|--|--|--|
| Benzene | 0.106 | 0.00100 | mg/L | 0.100 | ND | 106 | 80-120 | | | |
| Toluene | 0.101 | 0.00100 | " | 0.100 | ND | 101 | 80-120 | | | |
| Ethylbenzene | 0.100 | 0.00100 | " | 0.100 | ND | 100 | 80-120 | | | |
| Xylene (p/m) | 0.199 | 0.00200 | " | 0.200 | ND | 99.4 | 80-120 | | | |
| Xylene (o) | 0.0952 | 0.00100 | " | 0.100 | ND | 95.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.119 | | " | 0.120 | | 99.2 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.115 | | " | 0.120 | | 96.2 | 80-120 | | | |

Matrix Spike Dup (P5F0407-MSD1)

Source: 5F03012-01

Prepared & Analyzed: 06/06/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|----|------|--------|------|----|--|
| Benzene | 0.118 | 0.00100 | mg/L | 0.100 | ND | 118 | 80-120 | 10.5 | 20 | |
| Toluene | 0.114 | 0.00100 | " | 0.100 | ND | 114 | 80-120 | 12.5 | 20 | |
| Ethylbenzene | 0.113 | 0.00100 | " | 0.100 | ND | 113 | 80-120 | 12.5 | 20 | |
| Xylene (p/m) | 0.223 | 0.00200 | " | 0.200 | ND | 112 | 80-120 | 11.7 | 20 | |
| Xylene (o) | 0.107 | 0.00100 | " | 0.100 | ND | 107 | 80-120 | 11.6 | 20 | |
| Surrogate: 4-Bromofluorobenzene | 0.115 | | " | 0.120 | | 95.8 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.113 | | " | 0.120 | | 94.2 | 80-120 | | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: SRS #2002-10312
Project Manager: Brian Payton

Notes and Definitions

- 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: 6/9/2025

Raland Tuttle, Laboratory Manager/Technical Director

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



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

L: _____ CH: _____ W: _____

Phone: 432-686-7235

Project Manager: Brain Payton

Company Name: Talon LPE

Company Address: 408 Texas St.

City/State/Zip: Artesia, NM 88210

Telephone No: 210-870-4749

Fax No: _____

Sampler Signature: *Bartlett Meeley*

e-mail: bpayton@talonlpe.com

Project Name: Lovington Deep (Lov Deep)

Project #: Plains All American Pipeline

Project Loc: Lea County, NM

PO #: SRS# 2002-10312

Report Format: Standard TRRP NPDES

ORDER #: 5F08012

(lab use only)

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Ice | HNO ₃ | HCl | H ₂ SO ₄ | NaOH | Na ₂ S ₂ O ₃ | None | Other (Specify) | Matrix | TPH: TX 1005 TX 1006 | Anions (Cl, SO ₄ , Alkalinity) | BTEX 8021B/5030 or BTEX 8260 | TCLP: | TOTAL: | Analyze For: | RUSH TAT (Pre-Schedule) 24, 48, 72 h | Standard TAT | |
|----------------------|------------|-----------------|--------------|--------------|--------------|----------------|------------------------|-----|------------------|-----|--------------------------------|------|---|------|-----------------|--------|----------------------|---|------------------------------|-------|--------|--------------|--------------------------------------|--------------|---|
| 1 | MW-20 | | | 6-2-25 | 8:07 | | 3 | | | | | | | | | GW | | | | | | | | X | X |
| 2 | MW-19 | | | 6-2-25 | 8:32 | | 3 | | | | | | | | | GW | | | | | | | | X | X |
| 3 | MW-18 | | | 6-2-25 | 9:16 | | 3 | | | | | | | | | GW | | | | | | | | X | X |
| 4 | MW-4 | | | 6-2-25 | 11:21 | | 3 | | | | | | | | | GW | | | | | | | | X | X |
| 5 | MW-11 | | | 6-2-25 | 11:48 | | 3 | | | | | | | | | GW | | | | | | | | X | X |
| 6 | MW-12 | | | 6-2-25 | 1:13 | | 3 | | | | | | | | | GW | | | | | | | | X | X |
| 7 | MW-9 | | | 6-2-25 | 1:32 | | 3 | | | | | | | | | GW | | | | | | | | X | X |
| 8 | MW-5 | | | 6-2-25 | 1:51 | | 3 | | | | | | | | | GW | | | | | | | | X | X |
| 9 | MW-8 | | | 6-2-25 | 2:07 | | 3 | | | | | | | | | GW | | | | | | | | X | X |
| 10 | MW-16 | | | 6-2-25 | 9:54 | | 3 | | | | | | | | | GW | | | | | | | | X | X |

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

| | | | | | |
|---|--------------|------------|----------------------------------|--------------|------------|
| Relinquished by: <i>Bartlett Meeley</i> | Date: 6/3/25 | Time: 9:10 | Received by: <i>Brain Payton</i> | Date: 6/3/25 | Time: 9:10 |
|---|--------------|------------|----------------------------------|--------------|------------|

| | | | | | |
|------------------------|-------------|-------------|--------------------|-------------|-------------|
| Relinquished by: _____ | Date: _____ | Time: _____ | Received by: _____ | Date: _____ | Time: _____ |
|------------------------|-------------|-------------|--------------------|-------------|-------------|

| | | | | | |
|------------------------|-------------|-------------|--------------------|-------------|-------------|
| Relinquished by: _____ | Date: _____ | Time: _____ | Received by: _____ | Date: _____ | Time: _____ |
|------------------------|-------------|-------------|--------------------|-------------|-------------|

| | | | | | |
|------------------------|-------------|-------------|--------------------|-------------|-------------|
| Relinquished by: _____ | Date: _____ | Time: _____ | Received by: _____ | Date: _____ | Time: _____ |
|------------------------|-------------|-------------|--------------------|-------------|-------------|

PBELL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21

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



Analytical Report

Prepared for:

Kevin Weichert
Talon LPE
2901 S. State Hwy 349
Midland, TX 79706

Project: Lovington Deep
Project Number: Plains All American Pipeline
Location: Lea County NM
Lab Order Number: 5I04008



Current Certification

Report Date: 09/10/25

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

Project: Lovington Deep
Project Number: Plains All American Pipeline
Project Manager: Kevin Weichert

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|------------------|
| MW-20 | 5104008-01 | Water | 09/02/25 08:25 | 09-04-2025 13:16 |
| MW-19 | 5104008-02 | Water | 09/02/25 09:00 | 09-04-2025 13:16 |
| MW-18 | 5104008-03 | Water | 09/02/25 11:00 | 09-04-2025 13:16 |
| MW-4 | 5104008-04 | Water | 09/02/25 01:32 | 09-04-2025 13:16 |
| MW-11 | 5104008-05 | Water | 09/02/25 02:06 | 09-04-2025 13:16 |
| MW-12 | 5104008-06 | Water | 09/02/25 02:01 | 09-04-2025 13:16 |
| MW-9 | 5104008-07 | Water | 09/02/25 01:28 | 09-04-2025 13:16 |
| MW-5 | 5104008-08 | Water | 09/02/25 02:37 | 09-04-2025 13:16 |
| MW-8 | 5104008-09 | Water | 09/02/25 12:51 | 09-04-2025 13:16 |
| MW-16 | 5104008-10 | Water | 09/02/25 12:05 | 09-04-2025 13:16 |
| MW-15 | 5104008-11 | Water | 09/02/25 12:59 | 09-04-2025 13:16 |
| MW-3 | 5104008-12 | Water | 09/02/25 12:20 | 09-04-2025 13:16 |
| MW-1 | 5104008-13 | Water | 09/02/25 03:10 | 09-04-2025 13:16 |

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-20
5104008-01 (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 | P510407 | 09/04/25 13:00 | 09/05/25 08:12 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:12 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:12 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:12 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:12 | EPA 8021B | |
| Surrogate: 4-Bromofluorobenzene | | 95.5 % | | | P510407 | 09/04/25 13:00 | 09/05/25 08:12 | EPA 8021B | |
| Surrogate: 1,4-Difluorobenzene | | 108 % | | | P510407 | 09/04/25 13:00 | 09/05/25 08:12 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 08:12 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 08:12 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-19
5104008-02 (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 | P510407 | 09/04/25 13:00 | 09/05/25 08:35 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:35 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:35 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:35 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:35 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 97.2 % | | | P510407 | 09/04/25 13:00 | 09/05/25 08:35 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 108 % | | | P510407 | 09/04/25 13:00 | 09/05/25 08:35 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 08:35 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 08:35 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-18
5104008-03 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|---------|-------|----------|---------|----------------|----------------|-----------|-------|
| | Result | Limit | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:57 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:57 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:57 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:57 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 08:57 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 99.4 % | | | P510407 | 09/04/25 13:00 | 09/05/25 08:57 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 108 % | | | P510407 | 09/04/25 13:00 | 09/05/25 08:57 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 08:57 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 08:57 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-4
5104008-04 (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 | P510407 | 09/04/25 13:00 | 09/05/25 09:19 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 09:19 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 09:19 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 09:19 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 09:19 | EPA 8021B | |
| Surrogate: 4-Bromofluorobenzene | | 95.5 % | | | P510407 | 09/04/25 13:00 | 09/05/25 09:19 | EPA 8021B | |
| Surrogate: 1,4-Difluorobenzene | | 107 % | | | P510407 | 09/04/25 13:00 | 09/05/25 09:19 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 09:19 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 09:19 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-11
5104008-05 (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 | P510407 | 09/04/25 13:00 | 09/05/25 09:41 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 09:41 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 09:41 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 09:41 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 09:41 | EPA 8021B | |
| Surrogate: 4-Bromofluorobenzene | | 93.5 % | | | P510407 | 09/04/25 13:00 | 09/05/25 09:41 | EPA 8021B | |
| Surrogate: 1,4-Difluorobenzene | | 107 % | | | P510407 | 09/04/25 13:00 | 09/05/25 09:41 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 09:41 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 09:41 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-12
5104008-06 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------|-----------|---------|-------|----------|---------|----------------|----------------|-----------|-------|
| | Result | Limit | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:03 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:03 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:03 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:03 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:03 | EPA 8021B | |
| Surrogate: 4-Bromofluorobenzene | | 95.5 % | | | P510407 | 09/04/25 13:00 | 09/05/25 10:03 | EPA 8021B | |
| Surrogate: 1,4-Difluorobenzene | | 106 % | | | P510407 | 09/04/25 13:00 | 09/05/25 10:03 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 10:03 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 10:03 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-9
5104008-07 (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 | P510407 | 09/04/25 13:00 | 09/05/25 10:26 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:26 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:26 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:26 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:26 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 93.1 % | | | P510407 | 09/04/25 13:00 | 09/05/25 10:26 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 107 % | | | P510407 | 09/04/25 13:00 | 09/05/25 10:26 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 10:26 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 10:26 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-5
5104008-08 (Water)

Permian Basin Environmental Lab, L.P.

Organics by GC

| Analyte | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|---------|-------|----------|---------|----------------|----------------|-----------|-------|
| | Result | Limit | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:48 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:48 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:48 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:48 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 10:48 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 94.2 % | | | P510407 | 09/04/25 13:00 | 09/05/25 10:48 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 108 % | | | P510407 | 09/04/25 13:00 | 09/05/25 10:48 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 10:48 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 10:48 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-8
5104008-09 (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 | P510407 | 09/04/25 13:00 | 09/05/25 11:10 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 11:10 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 11:10 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 11:10 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 11:10 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 95.3 % | | | <i>P510407</i> | <i>09/04/25 13:00</i> | <i>09/05/25 11:10</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 109 % | | | <i>P510407</i> | <i>09/04/25 13:00</i> | <i>09/05/25 11:10</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 11:10 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 11:10 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-16
5104008-10 (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 | P510407 | 09/04/25 13:00 | 09/05/25 11:32 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 11:32 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 11:32 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 11:32 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510407 | 09/04/25 13:00 | 09/05/25 11:32 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 94.6 % | | | P510407 | 09/04/25 13:00 | 09/05/25 11:32 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 109 % | | | P510407 | 09/04/25 13:00 | 09/05/25 11:32 | EPA 8021B | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 11:32 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/04/25 13:00 | 09/05/25 11:32 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-15
5104008-11 (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 | P510808 | 09/08/25 13:01 | 09/08/25 16:49 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510808 | 09/08/25 13:01 | 09/08/25 16:49 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510808 | 09/08/25 13:01 | 09/08/25 16:49 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510808 | 09/08/25 13:01 | 09/08/25 16:49 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510808 | 09/08/25 13:01 | 09/08/25 16:49 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 97.3 % | | | <i>P510808</i> | <i>09/08/25 13:01</i> | <i>09/08/25 16:49</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 108 % | | | <i>P510808</i> | <i>09/08/25 13:01</i> | <i>09/08/25 16:49</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/08/25 13:01 | 09/08/25 16:49 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/08/25 13:01 | 09/08/25 16:49 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-3
5104008-12 (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 | P510808 | 09/08/25 13:01 | 09/08/25 17:11 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510808 | 09/08/25 13:01 | 09/08/25 17:11 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510808 | 09/08/25 13:01 | 09/08/25 17:11 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510808 | 09/08/25 13:01 | 09/08/25 17:11 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510808 | 09/08/25 13:01 | 09/08/25 17:11 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 99.2 % | | | <i>P510808</i> | <i>09/08/25 13:01</i> | <i>09/08/25 17:11</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 108 % | | | <i>P510808</i> | <i>09/08/25 13:01</i> | <i>09/08/25 17:11</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/08/25 13:01 | 09/08/25 17:11 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/08/25 13:01 | 09/08/25 17:11 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
 Project Number: Plains All American Pipeline
 Project Manager: Kevin Weichert

MW-1
5104008-13 (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 | P510808 | 09/08/25 13:01 | 09/08/25 17:34 | EPA 8021B | |
| Toluene | ND | 0.00100 | mg/L | 1 | P510808 | 09/08/25 13:01 | 09/08/25 17:34 | EPA 8021B | |
| Ethylbenzene | ND | 0.00100 | mg/L | 1 | P510808 | 09/08/25 13:01 | 09/08/25 17:34 | EPA 8021B | |
| Xylene (p/m) | ND | 0.00200 | mg/L | 1 | P510808 | 09/08/25 13:01 | 09/08/25 17:34 | EPA 8021B | |
| Xylene (o) | ND | 0.00100 | mg/L | 1 | P510808 | 09/08/25 13:01 | 09/08/25 17:34 | EPA 8021B | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 98.0 % | | | <i>P510808</i> | <i>09/08/25 13:01</i> | <i>09/08/25 17:34</i> | <i>EPA 8021B</i> | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 108 % | | | <i>P510808</i> | <i>09/08/25 13:01</i> | <i>09/08/25 17:34</i> | <i>EPA 8021B</i> | |
| Total BTEX | ND | 0.00100 | mg/L | 1 | [CALC] | 09/08/25 13:01 | 09/08/25 17:34 | EPA 8021B | |
| Xylenes (total) | ND | 0.00100 | mg/L | 1 | [CALC] | 09/08/25 13:01 | 09/08/25 17:34 | EPA 8021B | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: Plains All American Pipeline
Project Manager: Kevin Weichert

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 P5I0407 - * DEFAULT PREP *****

| Blank (P5I0407-BLK1) | | Prepared: 09/04/25 Analyzed: 09/05/25 | | | | | | | | |
|---------------------------------|-------|---------------------------------------|------|-------|--|------|--------|--|--|--|
| 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 | 0.117 | | " | 0.120 | | 97.2 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.130 | | " | 0.120 | | 109 | 80-120 | | | |

| LCS (P5I0407-BS1) | | Prepared: 09/04/25 Analyzed: 09/05/25 | | | | | | | | |
|---------------------------------|--------|---------------------------------------|------|-------|--|------|--------|--|----|--|
| Benzene | 0.0879 | 0.00100 | mg/L | 0.100 | | 87.9 | 80-120 | | 20 | |
| Toluene | 0.0850 | 0.00100 | " | 0.100 | | 85.0 | 80-120 | | 20 | |
| Ethylbenzene | 0.0903 | 0.00100 | " | 0.100 | | 90.3 | 80-120 | | 20 | |
| Xylene (p/m) | 0.181 | 0.00200 | " | 0.200 | | 90.6 | 80-120 | | 20 | |
| Xylene (o) | 0.0863 | 0.00100 | " | 0.100 | | 86.3 | 80-120 | | 20 | |
| Surrogate: 4-Bromofluorobenzene | 0.122 | | " | 0.120 | | 102 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.138 | | " | 0.120 | | 115 | 80-120 | | | |

| LCS Dup (P5I0407-BSD1) | | Prepared: 09/04/25 Analyzed: 09/05/25 | | | | | | | | |
|---------------------------------|--------|---------------------------------------|------|-------|--|------|--------|-------|----|--|
| Benzene | 0.0883 | 0.00100 | mg/L | 0.100 | | 88.3 | 80-120 | 0.443 | 20 | |
| Toluene | 0.0862 | 0.00100 | " | 0.100 | | 86.2 | 80-120 | 1.41 | 20 | |
| Ethylbenzene | 0.0818 | 0.00100 | " | 0.100 | | 81.8 | 80-120 | 9.87 | 20 | |
| Xylene (p/m) | 0.189 | 0.00200 | " | 0.200 | | 94.7 | 80-120 | 4.41 | 20 | |
| Xylene (o) | 0.0891 | 0.00100 | " | 0.100 | | 89.1 | 80-120 | 3.18 | 20 | |
| Surrogate: 4-Bromofluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.138 | | " | 0.120 | | 115 | 80-120 | | | |

| Calibration Check (P5I0407-CCV1) | | Prepared: 09/04/25 Analyzed: 09/05/25 | | | | | | | | |
|---|--------|---------------------------------------|------|-------|--|------|--------|--|--|--|
| Benzene | 0.0897 | 0.00100 | mg/L | 0.100 | | 89.7 | 80-120 | | | |
| Toluene | 0.0889 | 0.00100 | " | 0.100 | | 88.9 | 80-120 | | | |
| Ethylbenzene | 0.0821 | 0.00100 | " | 0.100 | | 82.1 | 80-120 | | | |
| Xylene (p/m) | 0.173 | 0.00200 | " | 0.200 | | 86.7 | 80-120 | | | |
| Xylene (o) | 0.0947 | 0.00100 | " | 0.100 | | 94.7 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.139 | | " | 0.120 | | 116 | 80-120 | | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: Plains All American Pipeline
Project Manager: Kevin Weichert

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 P5I0407 - * DEFAULT PREP *****

Calibration Check (P5I0407-CCV2)

Prepared: 09/04/25 Analyzed: 09/05/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene | 0.0870 | 0.00100 | mg/L | 0.100 | | 87.0 | 80-120 | | | |
| Toluene | 0.0853 | 0.00100 | " | 0.100 | | 85.3 | 80-120 | | | |
| Ethylbenzene | 0.0851 | 0.00100 | " | 0.100 | | 85.1 | 80-120 | | | |
| Xylene (p/m) | 0.180 | 0.00200 | " | 0.200 | | 89.9 | 80-120 | | | |
| Xylene (o) | 0.0865 | 0.00100 | " | 0.100 | | 86.5 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.119 | | " | 0.120 | | 99.6 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.137 | | " | 0.120 | | 114 | 80-120 | | | |

Calibration Check (P5I0407-CCV3)

Prepared: 09/04/25 Analyzed: 09/05/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene | 0.0964 | 0.00100 | mg/L | 0.100 | | 96.4 | 80-120 | | | |
| Toluene | 0.0888 | 0.00100 | " | 0.100 | | 88.8 | 80-120 | | | |
| Ethylbenzene | 0.0811 | 0.00100 | " | 0.100 | | 81.1 | 80-120 | | | |
| Xylene (p/m) | 0.172 | 0.00200 | " | 0.200 | | 86.1 | 80-120 | | | |
| Xylene (o) | 0.0842 | 0.00100 | " | 0.100 | | 84.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.119 | | " | 0.120 | | 99.4 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.139 | | " | 0.120 | | 116 | 80-120 | | | |

Matrix Spike (P5I0407-MS1)

Source: 5I04007-06

Prepared: 09/04/25 Analyzed: 09/05/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|---------|------|--------|--|----|-------|
| Benzene | 0.934 | 0.00100 | mg/L | 0.100 | 2.03 | NR | 80-120 | | 20 | QM-05 |
| Toluene | 0.0847 | 0.00100 | " | 0.100 | 0.00143 | 83.3 | 80-120 | | 20 | |
| Ethylbenzene | 0.0905 | 0.00100 | " | 0.100 | 0.0139 | 76.6 | 80-120 | | 20 | QM-05 |
| Xylene (p/m) | 0.182 | 0.00200 | " | 0.200 | 0.0244 | 78.8 | 80-120 | | 20 | QM-05 |
| Xylene (o) | 0.0852 | 0.00100 | " | 0.100 | 0.00568 | 79.6 | 80-120 | | 20 | QM-05 |
| Surrogate: 4-Bromofluorobenzene | 0.124 | | " | 0.120 | | 103 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.140 | | " | 0.120 | | 117 | 80-120 | | | |

Matrix Spike Dup (P5I0407-MSD1)

Source: 5I04007-06

Prepared: 09/04/25 Analyzed: 09/05/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|---------|------|--------|------|----|-------|
| Benzene | 0.966 | 0.00100 | mg/L | 0.100 | 2.03 | NR | 80-120 | NR | 20 | QM-05 |
| Toluene | 0.0803 | 0.00100 | " | 0.100 | 0.00143 | 78.8 | 80-120 | 5.47 | 20 | QM-05 |
| Ethylbenzene | 0.0845 | 0.00100 | " | 0.100 | 0.0139 | 70.6 | 80-120 | 8.22 | 20 | QM-05 |
| Xylene (p/m) | 0.178 | 0.00200 | " | 0.200 | 0.0244 | 76.7 | 80-120 | 2.72 | 20 | QM-05 |
| Xylene (o) | 0.0804 | 0.00100 | " | 0.100 | 0.00568 | 74.8 | 80-120 | 6.19 | 20 | QM-05 |
| Surrogate: 4-Bromofluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.138 | | " | 0.120 | | 115 | 80-120 | | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: Plains All American Pipeline
Project Manager: Kevin Weichert

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 P510808 - * DEFAULT PREP *****

Blank (P510808-BLK1)

Prepared & Analyzed: 09/08/25

| | | | | | | | | | | |
|---------------------------------|-------|---------|------|-------|--|------|--------|--|--|--|
| 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 | 0.117 | | " | 0.120 | | 97.2 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.129 | | " | 0.120 | | 107 | 80-120 | | | |

LCS (P510808-BS1)

Prepared & Analyzed: 09/08/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|----|--|
| Benzene | 0.0935 | 0.00100 | mg/L | 0.100 | | 93.5 | 80-120 | | 20 | |
| Toluene | 0.0898 | 0.00100 | " | 0.100 | | 89.8 | 80-120 | | 20 | |
| Ethylbenzene | 0.0848 | 0.00100 | " | 0.100 | | 84.8 | 80-120 | | 20 | |
| Xylene (p/m) | 0.175 | 0.00200 | " | 0.200 | | 87.7 | 80-120 | | 20 | |
| Xylene (o) | 0.0875 | 0.00100 | " | 0.100 | | 87.5 | 80-120 | | 20 | |
| Surrogate: 4-Bromofluorobenzene | 0.120 | | " | 0.120 | | 99.9 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.137 | | " | 0.120 | | 114 | 80-120 | | | |

LCS Dup (P510808-BS1)

Prepared & Analyzed: 09/08/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|--|------|--------|-------|----|--|
| Benzene | 0.0957 | 0.00100 | mg/L | 0.100 | | 95.7 | 80-120 | 2.28 | 20 | |
| Toluene | 0.0902 | 0.00100 | " | 0.100 | | 90.2 | 80-120 | 0.434 | 20 | |
| Ethylbenzene | 0.0862 | 0.00100 | " | 0.100 | | 86.2 | 80-120 | 1.65 | 20 | |
| Xylene (p/m) | 0.174 | 0.00200 | " | 0.200 | | 87.2 | 80-120 | 0.577 | 20 | |
| Xylene (o) | 0.0820 | 0.00100 | " | 0.100 | | 82.0 | 80-120 | 6.48 | 20 | |
| Surrogate: 4-Bromofluorobenzene | 0.123 | | " | 0.120 | | 102 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.139 | | " | 0.120 | | 115 | 80-120 | | | |

Calibration Check (P510808-CCV1)

Prepared & Analyzed: 09/08/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene | 0.102 | 0.00100 | mg/L | 0.100 | | 102 | 80-120 | | | |
| Toluene | 0.0969 | 0.00100 | " | 0.100 | | 96.9 | 80-120 | | | |
| Ethylbenzene | 0.0816 | 0.00100 | " | 0.100 | | 81.6 | 80-120 | | | |
| Xylene (p/m) | 0.167 | 0.00200 | " | 0.200 | | 83.3 | 80-120 | | | |
| Xylene (o) | 0.0827 | 0.00100 | " | 0.100 | | 82.7 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.117 | | " | 0.120 | | 97.8 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.136 | | " | 0.120 | | 114 | 80-120 | | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: Plains All American Pipeline
Project Manager: Kevin Weichert

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 P5I0808 - * DEFAULT PREP *****

Calibration Check (P5I0808-CCV2)

Prepared & Analyzed: 09/08/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene | 0.0948 | 0.00100 | mg/L | 0.100 | | 94.8 | 80-120 | | | |
| Toluene | 0.0899 | 0.00100 | " | 0.100 | | 89.9 | 80-120 | | | |
| Ethylbenzene | 0.0892 | 0.00100 | " | 0.100 | | 89.2 | 80-120 | | | |
| Xylene (p/m) | 0.185 | 0.00200 | " | 0.200 | | 92.4 | 80-120 | | | |
| Xylene (o) | 0.0954 | 0.00100 | " | 0.100 | | 95.4 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.123 | | " | 0.120 | | 102 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.136 | | " | 0.120 | | 114 | 80-120 | | | |

Calibration Check (P5I0808-CCV3)

Prepared: 09/08/25 Analyzed: 09/09/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|--|------|--------|--|--|--|
| Benzene | 0.0987 | 0.00100 | mg/L | 0.100 | | 98.7 | 80-120 | | | |
| Toluene | 0.0944 | 0.00100 | " | 0.100 | | 94.4 | 80-120 | | | |
| Ethylbenzene | 0.0808 | 0.00100 | " | 0.100 | | 80.8 | 80-120 | | | |
| Xylene (p/m) | 0.179 | 0.00200 | " | 0.200 | | 89.4 | 80-120 | | | |
| Xylene (o) | 0.0814 | 0.00100 | " | 0.100 | | 81.4 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.121 | | " | 0.120 | | 101 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.135 | | " | 0.120 | | 113 | 80-120 | | | |

Matrix Spike (P5I0808-MS1)

Source: 5I05001-16

Prepared: 09/08/25 Analyzed: 09/09/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|----|------|--------|----|--|-------|
| Benzene | 0.0408 | 0.00100 | mg/L | 0.100 | ND | 40.8 | 80-120 | 20 | | QM-05 |
| Toluene | 0.0308 | 0.00100 | " | 0.100 | ND | 30.8 | 80-120 | 20 | | QM-05 |
| Ethylbenzene | 0.0269 | 0.00100 | " | 0.100 | ND | 26.9 | 80-120 | 20 | | QM-05 |
| Xylene (p/m) | 0.0552 | 0.00200 | " | 0.200 | ND | 27.6 | 80-120 | 20 | | QM-05 |
| Xylene (o) | 0.0248 | 0.00100 | " | 0.100 | ND | 24.8 | 80-120 | 20 | | QM-05 |
| Surrogate: 4-Bromofluorobenzene | 0.121 | | " | 0.120 | | 100 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.134 | | " | 0.120 | | 112 | 80-120 | | | |

Matrix Spike Dup (P5I0808-MSD1)

Source: 5I05001-16

Prepared: 09/08/25 Analyzed: 09/09/25

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|-------|----|------|--------|------|----|---|
| Benzene | 0.0977 | 0.00100 | mg/L | 0.100 | ND | 97.7 | 80-120 | 82.1 | 20 | R |
| Toluene | 0.0937 | 0.00100 | " | 0.100 | ND | 93.7 | 80-120 | 101 | 20 | R |
| Ethylbenzene | 0.0829 | 0.00100 | " | 0.100 | ND | 82.9 | 80-120 | 102 | 20 | R |
| Xylene (p/m) | 0.186 | 0.00200 | " | 0.200 | ND | 93.0 | 80-120 | 109 | 20 | R |
| Xylene (o) | 0.0920 | 0.00100 | " | 0.100 | ND | 92.0 | 80-120 | 115 | 20 | R |
| Surrogate: 4-Bromofluorobenzene | 0.124 | | " | 0.120 | | 103 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 0.136 | | " | 0.120 | | 113 | 80-120 | | | |

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Project: Lovington Deep
Project Number: Plains All American Pipeline
Project Manager: Kevin Weichert

Notes and Definitions

- R The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
- 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.
- BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
- 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: 9/10/2025

Raland Tuttle, Laboratory Manager/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.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235



APPENDIX D
Public Notification

PUBLIC NOTICE

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division (19.15.30.15 NMAC), the following Stage 2 Abatement Plan has been submitted to the New Mexico Oil Conservation Division (NMOCD) Environmental Bureau, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3441, OCD.environmental@emnrd.nm.gov.

Plains All American Pipeline, L.P. (Plains) announces publication of the Updated Stage 2 Abatement Plan for groundwater impacts identified at the Lovington Deep 6" release site located at latitude 32.867039 and longitude -103.387542 in the SE ¼ NE ¼ of Section 6 of Township 17 South, Range 36 East in Lea County, approximately 5.8 miles southwest of Lovington, New Mexico.

The Updated Stage 2 Abatement Plan summarizes environmental monitoring at Lovington Deep 6" (including analytical data and maps of the extent), describes current site conditions and need for abatement, and presents the proposed abatement plan to address subsurface hydrocarbon impacts to groundwater caused by historical release of approximately 25 barrels (bbls) of crude oil identified in December 2002.

The Director of the NMOCD has reviewed the Stage 2 Abatement Plan and determined the plan is administratively complete. The NMOCD will accept comments and statements of interest regarding this work plan and will create a facility-specific mailing list for persons who wish to receive future notices. Persons interested in obtaining further information, submitting comments, or requesting to be on a facility-specific mailing list may contact the NMOCD Environmental Bureau at the address given above.

The public may view a copy of the Stage 2 Abatement Plan online from NMOCD Permitting under incident ID# nAPP2109530339 at <http://www.emnrd.state.nm.us/ocd/>. Persons interested in obtaining a copy of the Stage 2 Abatement Plan may contact the NMOCD at the address given above. The NMOCD will accept written comments on the Stage 2 Abatement Plan if the Director receives them within 30 days of publication of this notice.

The NMOCD shall distribute notice of the submittal of the Updated Stage 2 Abatement Plan with the next division and commission hearing docket following receipt of the plan.

Additional information can be obtained from the Plains project contact:

Ms. Karolanne Hudgens
HSE Remediation Specialist
1106 Griffith Drive
Midland, Texas 79706
(575) 200-5517

Given under the Seal of New Mexico Oil Conservation Commission at Santa Fe, New Mexico, on this [PUBLICATION MONTH AND DAY], 2025.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Albert Chang, Director

Affidavit of Publication

STATE OF NEW MEXICO } SS
COUNTY OF BERNALILLO }

Ad Cost: \$167.27
Ad Number: 346620
Account Number: 1114916
Classification: NON-GOVERNMENT LEGALS

I, Michele Aster, the undersigned, Legal Representative of the Albuquerque Journal, on oath, state that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, chapter 167, Session Laws of 1937, and payment of fees has been made of assessed and a copy of which is hereto attached, was published in said publication in the daily edition, 1 time on the following date:

January 11, 2026

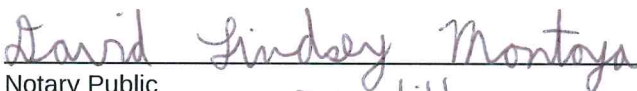
That said newspaper was regularly issued and circulated on those dates.

SIGNED:



Legal Representative

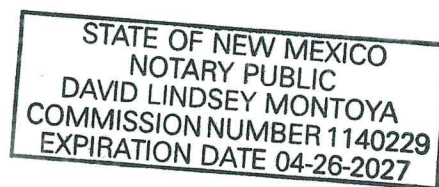
Subscribed to and sworn to me this 13th day of January 2026.



Notary Public

County Bernalillo

ID#: 1140229
My commission expires: 04-26-2027



TALON LPE
601 SOUTHWEST 9TH AVENUE
Amarillo, TX 79101

**PUBLIC NOTICE
STATE OF NEW MEXICO
ENERGY, MINERALS AND
NATURAL RESOURCES
DEPARTMENT OIL
CONSERVATION DIVISION**

(575) 200-5517

Journal: January 11, 2026.

Notice is hereby given that pursuant to New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division (19.15.30.15 NMAC), the following Stage 2 Abatement Plan has been submitted to the New Mexico Oil Conservation Division (NMOCD) Environmental Bureau, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3441, O C D . environmental@emrd.nm.gov.

Plains All American Pipeline, L.P. (Plains) announces publication of the Updated Stage 2 Abatement Plan for groundwater impacts identified at the Lovington Deep 6" release site located at latitude 32.867039 and longitude -103.387542 in the SE ¼ NE ¼ of Section 6 of Township 17 South, Range 36 East in Lea County, approximately 5.8 miles southwest of Lovington, New Mexico.

The Updated Stage 2 Abatement Plan summarizes environmental monitoring at Lovington Deep 6" (including analytical data and maps of the extent), describes current site conditions and need for abatement, and presents the proposed abatement plan to address subsurface hydrocarbon impacts to groundwater caused by historical release of approximately 25 barrels (bbls) of crude oil identified in December 2002.

The Director of the NMOCD has reviewed the Stage 2 Abatement Plan and determined the plan is administratively complete. The NMOCD will accept comments and statements of interest regarding this work plan and will create a facility-specific mailing list for persons who wish to receive future notices. Persons interested in obtaining further information, submitting comments, or requesting to be on a facility-specific mailing list may contact the NMOCD Environmental Bureau at the address given above.

The public may view a copy of the Stage 2 Abatement Plan online from NMOCD Permitting under incident ID# nAPP2109530339 at <http://www.emrd.state.nm.us/ocd/>. Persons interested in obtaining a copy of the Stage 2 Abatement Plan may contact the NMOCD at the address given above. The NMOCD will accept written comments on the Stage 2 Abatement Plan if the Director receives them within 30 days of publication of this notice.

The NMOCD shall distribute notice of the submittal of the Updated Stage 2 Abatement Plan with the next division and commission hearing docket following receipt of the plan.

Additional information can be obtained from the Plains project contact:

Ms. Karolanne Hudgens
HSE Remediation Specialist
1106 Griffith Drive
Midland, Texas 79706

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
January 13, 2026
and ending with the issue dated
January 13, 2026.



Publisher

Sworn and subscribed to before me this
13th day of January 2026.



Business Manager

My commission expires
January 29, 2027

(Seal) STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087526
COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL NOTICE
JANUARY 13, 2026

PUBLIC NOTICE

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

Notice is hereby given that pursuant to New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division (19.15.30.15 NMAC), the following Stage 2 Abatement Plan has been submitted to the New Mexico Oil Conservation Division (NMOCD) Environmental Bureau, 1220 S. Saint Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3441, OCD.environmental@emnrd.nm.gov.

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The Updated Stage 2 Abatement Plan summarizes environmental monitoring at Lovington Deep 6" (including analytical data and maps of the extent), describes current site conditions and need for abatement, and presents the proposed abatement plan to address subsurface hydrocarbon impacts to groundwater caused by historical release of approximately 25 barrels (bbls) of crude oil identified in December 2002.

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The public may view a copy of the Stage 2 Abatement Plan online from NMOCD Permitting under incident ID# nAPP2109530339 at <http://www.emnrd.state.nm.us/ocd/>. Persons interested in obtaining a copy of the Stage 2 Abatement Plan may contact the NMOCD at the address given above. The NMOCD will accept written comments on the Stage 2 Abatement Plan if the Director receives them within 30 days of publication of this notice.

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HSE Remediation Specialist
1106 Griffith Drive
Midland, Texas 79706
(575) 200-5517

#00307609

67104567

00307609

TALON LPE
318 E TAYLOR
HOBBS, NM 88240

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

Action 535674

CONDITIONS

| | |
|---|--|
| Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002 | OGRID: 34053 |
| | Action Number: 535674 |
| | Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

CONDITIONS

| Created By | Condition | Condition Date |
|--------------|--|----------------|
| shanna.smith | Continue MDPE remediation activities as scheduled. | 2/13/2026 |
| shanna.smith | Monitor wells MW-18, MW-19, MW-20, MW-9 and MW-11 may be discontinued sampling. Wells will be maintained in good order in the event that samples need to be collected. | 3/5/2026 |
| shanna.smith | Monitor well MW-12 will continue to be sampled due to its down-gradient location and the closest to plume downgradient well MW-10 is dry. | 3/5/2026 |
| shanna.smith | Continue quarterly monitoring and sampling. Submit Annual Report by April 1, 2027 | 3/5/2026 |