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TALON LPE

2024 Annual Groundwater Monitoring Report

Kimbrough Sweet 8”
Lea County, New Mexico
SRS # 2000-10757
NMOCD REF. # AP-0029, nAPP2109529734

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

Prepared By:
Talon/LPE, Ltd.
408 W. Texas Ave.
Artesia, New Mexico 88210

August 5, 2025

2024 ANNUAL GROUNDWATER MONITORING REPORT

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

Prepared By:

Brian Payton
Regional Manager

Reviewed By:

Paul Santos, P.E.
Director of Engineering Services

Talon/LPE, Ltd.
408 W. Texas Ave.
Artesia, New Mexico 88210

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DISTRIBUTION LIST

Name	Title	Company or Agency	Mailing Address	E-mail
Nelson Velez	Environmental Specialist - Advanced	NMOCD	1000 Rio Brazos Road Aztec, New Mexico 87410	Nelson.Velez@emnrd.nm.gov
Ryan Mann	Remediation Specialist	NMSLO	2827 N. Dal Paso, Ste. 117 Hobbs, New Mexico 88240	RMann@slo.state.nm.us
Karolanne Hudgens	HSE Remediation Specialist II	Plains Pipeline	1106 Griffith Drive Midland, Texas 79706	Karolanne.Hudgens@plains.com
Brian Payton	Regional Manager	Talon/LPE	2901 Tx-349 Midland, Texas 79706	bpayton@talonlpe.com

NMOCD – New Mexico Oil Conservation Division

NMSLO – New Mexico State Land Office

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APPENDICES

1. INTRODUCTION AND SITE HISTORY

The Kimbrough Sweet 8" (site) is located approximately seven (7) miles northwest of Hobbs, New Mexico in Unit G, Section 3, Township 18 South, and Range 37 East. There are no residences, groundwater wells, or surface water bodies within a 1,000-foot radius of the site. The initial release occurred from the 8-inch steel pipeline on October 25, 2000. At the time of the release, the pipeline was owned by EOTT Energy Pipeline (EOTT). Subsequently, EOTT changed its name to Link Energy in October 2003, and Plains Pipeline, L.P. (Plains) purchased the assets of Link Energy on April 1, 2004. Initial reports estimated that 60 barrels (bbls) of crude oil was released and impacted approximately 15,613 square feet of surface area. Approximately 22 bbls of crude oil was recovered during initial remediation activities.

The site is situated within a physiographic region that is on the extreme south-western portion of the Southern High Plains as it grades into the Edwards Plateau to the south and southeast and the Chihuahuan Desert of the Trans-Pecos Region to the southwest.

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

The average elevation of the site area is approximately 3,720-feet above mean sea level with a slight slope to the southeast. The regional slope of the land surface in the Southern High Plains is approximately 100 feet per mile in a southeasterly direction.

On February 5, 2007, Talon/LPE was retained by Plains to assume remediation activities at the site that were previously conducted by Environmental Plus, Inc. (EPI).

1.1 Site Geology

The surface deposits in Lea County are composed of Blackwater Draw (Illinoian) sediments, Ogallala sediments and undivided Quaternary alluvium, which is also termed 'cover sands.' The soil in the upper two (2) feet at the site is composed of gravelly loam that contains abundant eroded gravel to cobble size caliche fragments. Below the top soil is predominately unconsolidated sand to weakly cemented sandstone which has undergone calichification of varying extent.

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

1.2 Previous Environmental Investigations

Currently, a total of 15 groundwater monitor wells are in use in the vicinity of the release at the site (see Figure 1 in Appendix A). With New Mexico Oil Conservation Division (NMOCD) approval and landowner concurrence, groundwater monitor wells (MW-1, MW-2, MW-3, and MW-4) were installed in January 2002. Groundwater monitor wells (MW-5, MW-7, MW-8, and MW-9) were installed in July 2004, and monitor wells (MW-6, MW-10, and MW-11) were installed in December 2004. Monitor wells (MW-12 and MW-13) were installed on March 11, 2009, and monitor wells (MW-14 and MW-15) were installed in January 2011. Monitor Well MW-1 was plugged and abandoned. Replacement monitor well (MW-1A) and monitor wells (MW-16, MW-17, and MW-18) were installed in November 2013.

Phase-separated hydrocarbon (PSH) recovery operations have been performed at the site since January 2002, initially by hand bailing. In 2007, an automated skimmer recovery system was installed at the site. In March 2011, solar panels were installed at the site and two (2) 12-volt (12V) total fluid pumps were installed in monitor wells (MW-5 and MW-6). In November 2011, additional 12V-powered total fluids pumps were installed in monitor wells (MW-2 and MW-11). In October 2012, an internal combustion engine (ICE) system for running pumps and vapor extraction was installed on site. There were five (5) total fluids pumps, powered by an ICE unit, in monitor wells (MW-5, MW-6, MW-7, MW-8, and MW-11) and two (2) solar-powered electric pumps in monitor wells (MW-2 and MW-9) at that time. The engine for the ICE unit failed in May 2016. Operation of the ICE unit was discontinued at that time.

Beginning in June 2016, Mobile Dual-Phase Extraction (MDPE) events began and are currently conducted on a monthly basis. No other types of PSH recovery are being carried out at this site.

In August 2018, six (6) wells (MW-2, MW-4, MW-7, MW-8, MW-10, and MW-11) were plugged and abandoned due to decreasing groundwater levels. Five (5) replacement wells were installed (MW-2A, MW-7A, MW-8A, MW-11A, and MW-19), and one (1) well (MW-1A) was repaired due to vandalism.

MDPE events were conducted on a monthly basis at the site during 2023 and recovered approximately 20.14 bbls of PSH.

During 2024, a total of 12 MDPE events were conducted. A total of 12.55 bbls of PSH were recovered, which consisted of 5.22 bbls of liquid PSH and 7.33 bbls of vapor.

Historically, approximately 669.34 bbls of PSH, which consisted of 304.19 bbls of vapor phase and 357.56 bbls of liquid phase PSH, have been recovered from the site.

1.3 Regulatory Framework

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

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

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

2. SITE ACTIVITIES

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

2.1 Site Assessment Activities

In order to continue to monitor groundwater gradient and PSH concentration levels, three (3) replacement monitor wells (MW-5A, MW-6A, and MW-9A) were installed.

On September 12, 2024, five (5) monitor wells (MW-3, MW-5, MW-6, MW-9, and MW-13) were plugged and abandoned due to decreasing groundwater levels. Subsequently, replacement monitor wells MW-5A, MW-6A, and MW-9A were installed on September 16, 2024.

Talon/LPE supervised the advancement and installation of the replacement of three (3) 2-inch diameter wells using air and mud rotary techniques. The locations of each monitor well and replacement well are presented on Figure 1 in Appendix A. The replacement wells were installed by a State of New Mexico well driller. State of New Mexico Well Reports and Monitoring Well Logs are provided in Appendix D. In addition, State of New Mexico Plugging Reports are provided in Appendix D.

2.2 Groundwater Monitoring Activities

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

During the March 2024 groundwater monitoring event, 17 monitor wells were gauged. A total of 10 monitor wells (MW-1A, MW-7A, MW-8A, MW-12, and MW-14 through MW-19) were purged and sampled. Due to the presence of PSH, two (2) monitor wells (MW-2A and MW-11A) were not sampled. It was noted that five (5) monitor wells (MW-3, MW-5, MW-6, MW-9, and MW-13) were dry when gauged; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.3.

During the June 2024 groundwater monitoring event, 17 monitor wells were gauged. A total of seven (7) monitor wells (MW-1A, MW-7A, MW-8A, and MW-16 through MW-19) were purged and sampled. Due to the presence of PSH, two (2) monitor wells (MW-2A and MW-11A) were not sampled. It was noted that five (5) monitor wells (MW-3, MW-5, MW-6, MW-9, and MW-13) were dry when gauged.; therefore, the aforementioned wells were not purged or sampled. Wells MW-12, MW-13, MW-14, and MW-15 were not scheduled for sampling. Details of the gauging, purging, and sampling activities are presented in Section 2.3.

During the September 2024 groundwater monitoring event, 17 monitor wells were gauged. A total of eight (8) monitor wells (MW-7A, MW-8A, and MW-14 through MW-19) were purged and sampled. Due to the presence of PSH, two (2) monitor wells (MW-2A and MW-11A) were not sampled. It was noted that five (5) monitor wells (MW-3, MW-5, MW-6, MW-9, and MW-13) were dry when gauged, monitor well MW-1A was noted to be obstructed, and monitor well MW-12 did not have enough water to sample; therefore, the aforementioned wells were not purged or sampled. Details of the gauging, purging, and sampling activities are presented in Section 2.3.

During the December 2024 groundwater monitoring event, 12 monitor wells (MW-1A, MW-2A, MW-5A through MW-9A, MW-11A, and MW-16 through MW-19) were gauged. A total of eight (8) monitor wells (MW-6A through MW-9A and MW-16 through MW-19) were purged and sampled. Due to the presence of PSH, three (3) monitor wells (MW-2A, MW-5A, and MW-11A) were not sampled. Wells MW-12, MW-14, and MW-15 were not scheduled for sampling. Details of the gauging, purging, and sampling activities are presented in Section 2.3.

2.3 Groundwater Gauging, Purging, and Sampling Procedures

During each groundwater monitoring event, all monitor wells were measured with an oil/water interface probe to determine static water levels and to determine the thickness of PSH accumulations, if present. The data collected from these measurements was used to construct groundwater gradient maps and PSH thickness maps. The results of the measured depths to fluids collected during the four (4) events conducted in 2024 are incorporated in Table 1 - Gauging and NAPL Thickness – Historical included in Appendix B.

Subsequent to gauging, all monitor wells not impacted with PSH were purged a minimum of three (3) casing volumes using a 12-volt, submersible pump equipped with vinyl tubing. The purge pump and tubing were decontaminated with Alconox detergent and rinsed with distilled water after each use. Recovered purge water and water used in the

decontamination process was contained in on-site 55-gallon drums. The purge water is then placed into the on-site holding tank for subsequent disposal to an NMOCD approved facility, Gandy Marley, via vacuum truck.

Groundwater samples were collected from all monitor wells using dedicated disposable polyethylene bailers. Each groundwater sample was contained in laboratory supplied sample containers with the appropriate preservative required for the analysis requested.

The groundwater samples were maintained on ice, in the custody of Talon/LPE personnel, until they were delivered to Permian Basin Environmental in Midland, Texas , for analysis. The groundwater samples collected during all four (4) events were quantified for benzene, toluene, ethylbenzene, and xylene (BTEX) by Environmental Protection Agency (EPA) Method SW-846 8021B. The groundwater samples collected from MW-7A and MW-8A during the March 2024 event were analyzed for polycyclic aromatic hydrocarbons (PAH) by EPA Method 8270C.

2.4 Phase Separated Hydrocarbon Recovery

PSH recovery has been conducted at the site since 2002, initially by hand bailing. In 2007, an automated skimmer recovery system was installed at the site. In March 2011, solar panels were installed at the site and two (2) 12-volt (12V) total fluid pumps were installed in monitor wells MW-5 and MW-6. In November 2011, additional 12V-powered total fluids pumps were installed in monitor wells MW-2 and MW-11A. In October 2012, an ICE system for running pumps and vapor extraction was installed on site.

The system utilized five (5) pneumatic total fluid pumps in monitor wells (MW-5, MW-6, MW-7, MW-8, and MW-11A) and two (2) 12V total fluids pumps in monitor wells (MW-2 and MW-9) to recover PSH and to inhibit migration of the PSH plume. The ICE assembly consisted of pneumatic total fluid pumps combined with vapor suction. Since there is no electricity at the site. The ICE system was powered by propane and vapors from listed wells. The 12V total fluids pumps operated off 12V batteries, which were charged by solar panels.

Fluid recovered by the pumps was retained in two (2) polyethylene tanks, a 3,000-gallon tank and a 2,500-gallon tank, that were added in 2011. The tanks were coupled together and were equipped with high-level shut-off switches to prevent overflow. In addition, the tanks were located within a secondary containment that was equipped with a polyethylene liner. The ICE system discontinued operation in May 2016.

Currently, there are no fluid pumps in use at this site. One (1) 2,500-gallon polyethylene tank is currently in use. MDPE events are conducted on a monthly basis. This system utilizes vapor pulled by vacuum combined with propane to power an internal combustion

engine, which also powers a compressor and the blower used to create vacuum for vapor recovery. Compressed air from the system drives pneumatic pumps placed in the various wells containing PSH. Fluid recovered by the pumps is retained in the onsite polyethylene tank. Recovered groundwater and PSH is removed from the polyethylene tanks and transported to an NMOCD approved disposal facility, Gandy Marley, via vacuum truck at the end of the MDPE events.

Twelve (12) MDPE events, in which liquid and vapor PSH were recovered, were conducted on site during 2024. The individual MDPE event recovery totals are as follows:

January 10, 2024 –	0.26	bbls vapor,	0.45	bbls liquid
February 8, 2024 –	0.31	bbls vapor,	0.38	bbls liquid
March 20, 2024 –	1.11	bbls vapor,	0.48	bbls liquid
April 23, 2024 –	0.56	bbls vapor,	0.29	bbls liquid
May 13, 2024 –	0.44	bbls vapor,	0.31	bbls liquid
June 5, 2024 –	0.50	bbls vapor,	0.28	bbls liquid
July 17, 2024 –	0.12	bbls vapor,	0.24	bbls liquid
August 8, 2024 –	0.07	bbls vapor,	0.31	bbls liquid
September 4, 2024 –	0.07	bbls vapor,	0.67	bbls liquid
October 1, 2024 –	0.13	bbls vapor,	0.31	bbls liquid
November 20, 2024 –	2.96	bbls vapor,	0.76	bbls liquid
December 4, 2024 –	0.80	bbls vapor,	0.74	bbls liquid

In 2024, an estimated total of 12.55 bbls of PSH were recovered during the MDPE events.

Historically, approximately 669.34 bbls of PSH, which consists of 304.19 bbls of vapor phase and 357.56 bbls of liquid phase PSH, have been recovered from the site.

3. GROUNDWATER MONITORING RESULTS

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

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

3.1 Groundwater Monitoring Well Installation

On September 16, 2024, three (3) borings were advanced. The borings drilled were converted to 2-inch diameter polyvinyl chloride (PVC) monitor wells (MW-5A, MW-6A, and MW-9A). The three (3) borings were drilled to a depth of approximately 85 feet bgs. Twenty (20) feet of schedule 40 PVC well screen was installed from 61 feet bgs to 81 feet bgs and riser was installed above the screen followed by approximately 3.5 feet of aboveground riser pipe necessary for the aboveground completion. The wells have an 20/40 silica sand filter pack extending two (2) feet above the screen, a hydrated bentonite seal extending to 57 feet bgs, and a 57 foot Portland cement grout cap. The well completions include a locking well cap and a stick-up well cover. The locations of each well are presented on Figure 1 in Appendix A. State of New Mexico Well Reports are provided in Appendix D.

On September 12, 2024, five (5) monitoring wells (MW-3, MW-5, MW-6, MW-9, and MW-13) were plugged and abandoned. The wells were filled with a layer of bentonite which ranged between 64 feet and 68 feet thick and then a layer of grout ranging between 2 feet and 6 feet was added above the bentonite until it had reached the ground surface.

3.2 Physical Characteristics of the First Water-Bearing Zone

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

The Ogallala Aquifer has experienced acute depletion from extensive irrigation and urban demand, which have exceeded the average annual recharge rate. Recharge of the Ogallala Aquifer on the Southern High Plains occurs predominately from rainfall runoff

that accumulates in ephemeral streams and playa lakes as well as direct recharge in areas that contain permeable soils such as sand hills. Recharge rates vary depending on mechanism, but average from zero to 1.6 inches per year.

The Ogallala Aquifer is generally unconfined and the potentiometric surface mimics the topography with the regional flow direction from the northwest to the southeast. The mean regional gradient is 15 feet per mile and the typical groundwater velocity averages seven inches per day. The regional hydraulic conductivity averages 17 gallons per day per square-foot with a specific yield averaging 16%. The depth to groundwater at the site ranged from 60.59 feet below ground surface (bgs) to 66.05 feet bgs and the groundwater flow direction is to the east northeast. The saturated thickness of the Ogallala formation on the High Plains ranges from 25 feet to 175 feet. The variable thickness is due to the irregularly eroded Triassic surface that underlies it.

The composition of Ogallala groundwater is defined as mixed-cation-HCO3, therefore, Ogallala groundwater is considered hard. Problems with scale have occurred with residential and commercial water systems that use Ogallala groundwater and often treatment strategies are employed to reduce the effects of scale. The typical total dissolved solids of Ogallala groundwater in the Hobbs-Lovington area is generally less than 1,000 mg/L (ppm) in areas not impacted by oil-field brines. The pH of Ogallala water averages 7.3.

3.3 Groundwater Gradient and Flow Direction

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

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

- March 05, 2024
- June 05, 2024
- September 06, 2024
- December 06, 2024

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

Based on fluid level measurements at the site, the groundwater flow direction within the first water-bearing zone underlying the site between March 2024 and December 2024 was east/northeast with an average gradient of 0.0048 feet per foot (ft/ft), or

approximately 25.34 feet per mile. Groundwater levels at the subject site have exhibited a decrease of an average of 0.78 feet for the year 2024 that appears to be associated with a regional trend of fluctuating groundwater levels for the Ogallala Aquifer.

3.4 Phase Separated Hydrocarbons

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

During the March 2024 sampling event, PSH was observed in two (2) monitor wells (MW-2A and MW-11A). PSH thickness in these wells ranged from 0.02 feet to 0.36 feet.

During the June 2024 sampling event, PSH was observed in two (2) monitor wells (MW-2A and MW-11A). PSH thickness in these wells ranged from 0.01 feet to 0.44 feet.

During the September 2024 sampling event, PSH was observed in two (2) monitor wells (MW-2A and MW-11A). PSH thickness in these wells ranged from 0.01 feet to 0.35 feet.

During the December 2024 sampling event, PSH was observed in three (3) monitor wells (MW-2A, MW-5A, and MW-11A). PSH thickness in these wells ranged from 0.01 feet to 0.08 feet.

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

3.5 Groundwater Sampling Results

During the March 2024 sampling event, 10 monitor wells (MW-1A, MW-7A, MW-8A, MW-12, and MW-14 through MW-19) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were less than laboratory method detection limit (MDL) in all wells sampled. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any wells sampled.
- Toluene concentrations were less than the laboratory MDL in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.
- Ethylbenzene concentrations were less than laboratory MDL in all wells sampled with the exception of MW-8A which exhibited an ethylbenzene concentration of 0.00149 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.

- Xylene concentrations were less than the laboratory MDL in all wells sampled with the exception of MW-8A which exhibited a xylene concentration of 0.00361 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any wells sampled.
- Polycyclic aromatic hydrocarbons (PAH by EPA 8270) were added to the first quarter sampling event for MW-7A and MW-8A. The associated concentrations for all compounds were below the applicable NMWQCC groundwater standards.

During the June 2024 sampling event, seven (7) monitor wells (MW-1A, MW-7A, MW-8A, and MW-16 through MW-19) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were less than laboratory MDL in all wells sampled. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any wells sampled.
- Toluene concentrations were less than the laboratory MDL in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.
- Ethylbenzene concentrations were less than the laboratory MDL in all wells sampled with the exception of MW-8A which exhibited a concentration of 0.00145 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.
- Xylene concentrations were less than the laboratory MDL in all wells sampled with the exception of MW-8A which exhibited a concentration of 0.00427 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any wells sampled.

During the September 2024 sampling event, eight (8) monitor wells (MW-7A, MW-8A, and MW-14 through MW-19) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were less than the laboratory MDL in all wells sampled. Benzene concentrations did not exceed the NMWQCC groundwater standard of 0.010 mg/L in any wells sampled.
- Toluene concentrations were less than the laboratory MDL in all wells sampled. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.
- Ethylbenzene concentrations were less than the laboratory MDL in all wells sampled with the exception of MW-8A which exhibited a concentration of 0.00250 mg/L. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.

- Xylene concentrations were less than the laboratory MDL in all wells sampled with the exception of MW-8A which exhibited a concentration of 0.00526 mg/L. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any wells sampled.

During the December 2024 sampling event, eight (8) monitor wells (MW-6A through MW-9A and MW-16 through MW-19) were sampled. Groundwater samples collected from these wells exhibited the following analytical results:

- Benzene concentrations were less than the laboratory MDL in all wells sampled with the exception of MW-6A and MW-9A, which exhibited benzene concentrations of 0.0881 mg/L and 0.00237 mg/L, respectively. Benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in MW-6A which had a concentration of 0.0881 mg/L.
- Toluene concentrations were less than the laboratory MDL in all wells with the exception of MW-9A, which exhibited a toluene concentration of 0.00224 mg/L. Toluene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.
- Ethylbenzene concentrations were less than the laboratory MDL in all wells with the exception of MW-6A and MW-9A, which exhibited ethylbenzene concentrations of 0.0470 mg/L and 0.00186 mg/L, respectively. Ethylbenzene concentrations did not exceed the NMWQCC groundwater standard of 0.750 mg/L in any wells sampled.
- Xylene concentrations were less than the laboratory MDL in all wells sampled with the exception of MW-6A and MW-9A, which exhibited concentrations of 0.0466 mg/L and 0.00509 mg/L, respectively. Xylene concentrations did not exceed the NMWQCC groundwater standard of 0.620 mg/L in any wells sampled.

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

4. CONCLUSIONS AND RECOMMENDATIONS

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

4.1 Summary of Findings

- The groundwater flow direction is generally to the east/northeast with an average gradient of 0.0048 feet per foot based on the water level measurement data collected in 2024.
- Groundwater levels at the subject site have decreased an average of 0.78 feet for the year 2024.
- PSH has impacted monitor wells MW-2A, MW-5A, and MW-11A in 2024. PSH levels and extent have fluctuated in 2024 between 0.01 feet in all wells to 0.44 feet in MW-11A.
- Replacement wells MW-5A, MW-6A, and MW-9A were installed in September 2024. Monitoring wells MW-3, MW-5, MW-6, MW-9, and MW-13 were plugged and abandoned during the same period.
- During the December 2024 sampling event, benzene concentrations exceeded the NMWQCC groundwater standard of 0.010 mg/L in monitor well MW-6A with a benzene concentration of 0.0881 mg/L.

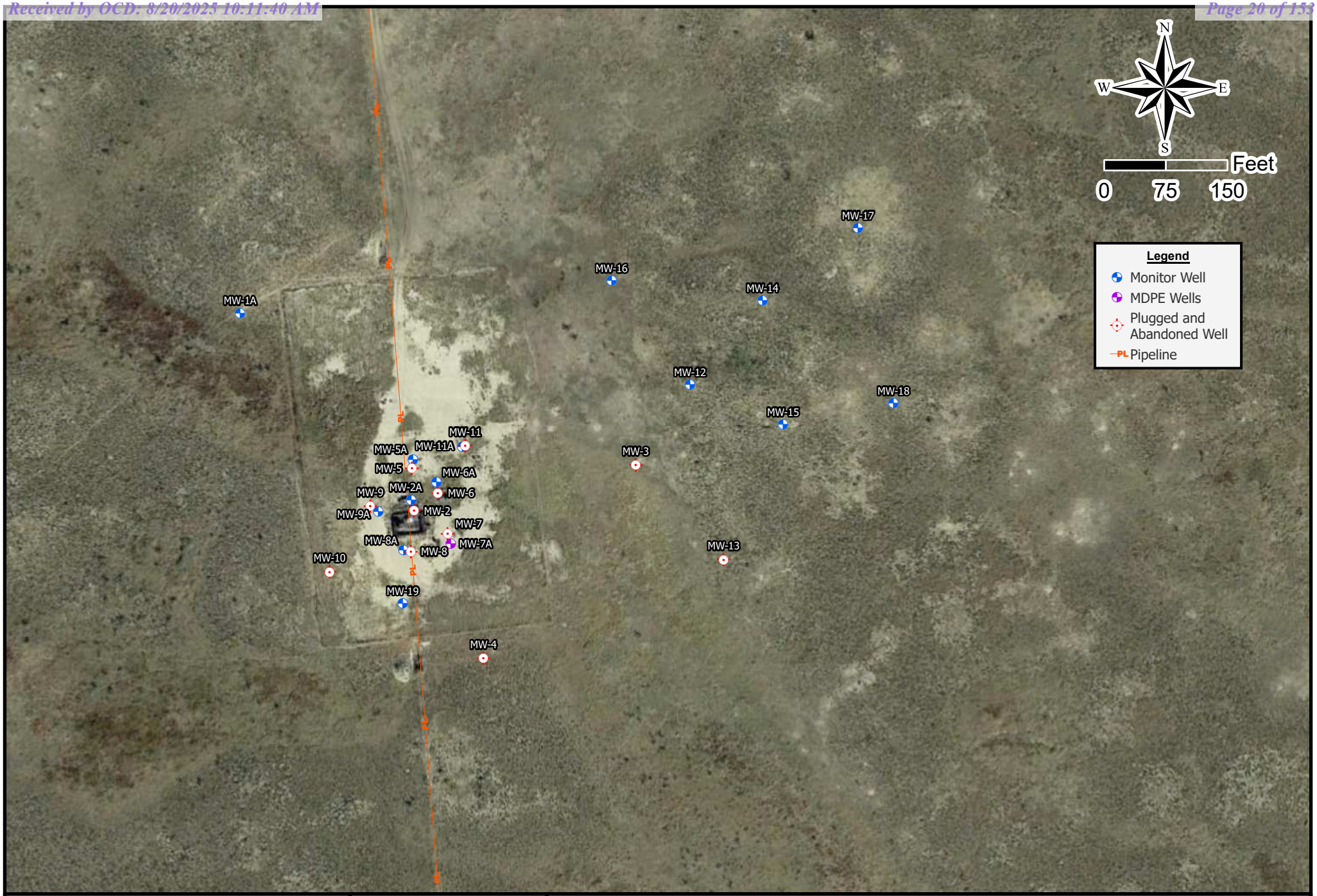
4.2 Recommendations

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

- Continue PSH recovery via monthly MDPE events.
- Perform quarterly groundwater monitoring events in accordance with NMOCD directives.

APPENDIX A

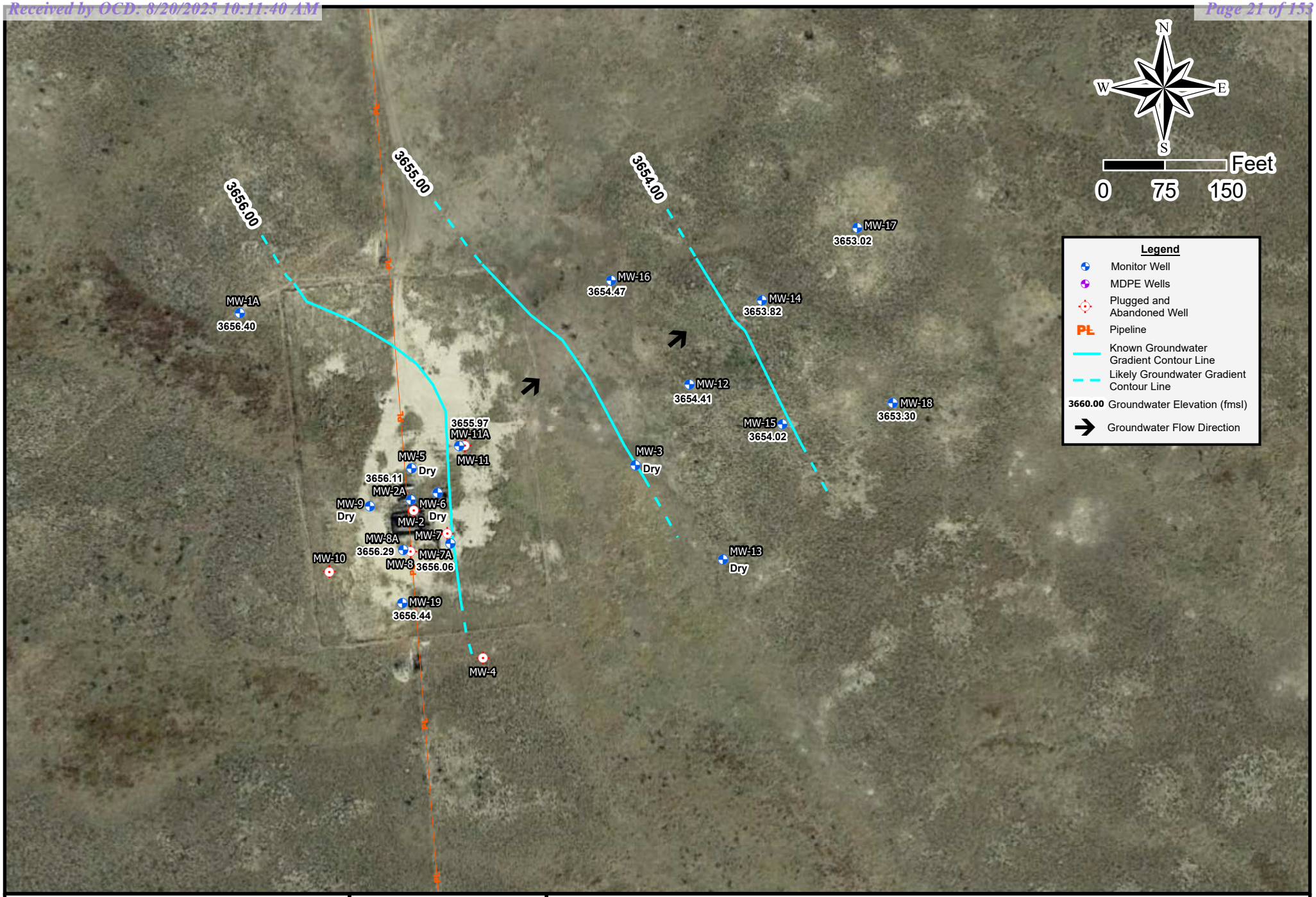
Figures



TALON LPE

Drafted: 3/18/2025
1 in = 150 ft
Drafted By: JAI

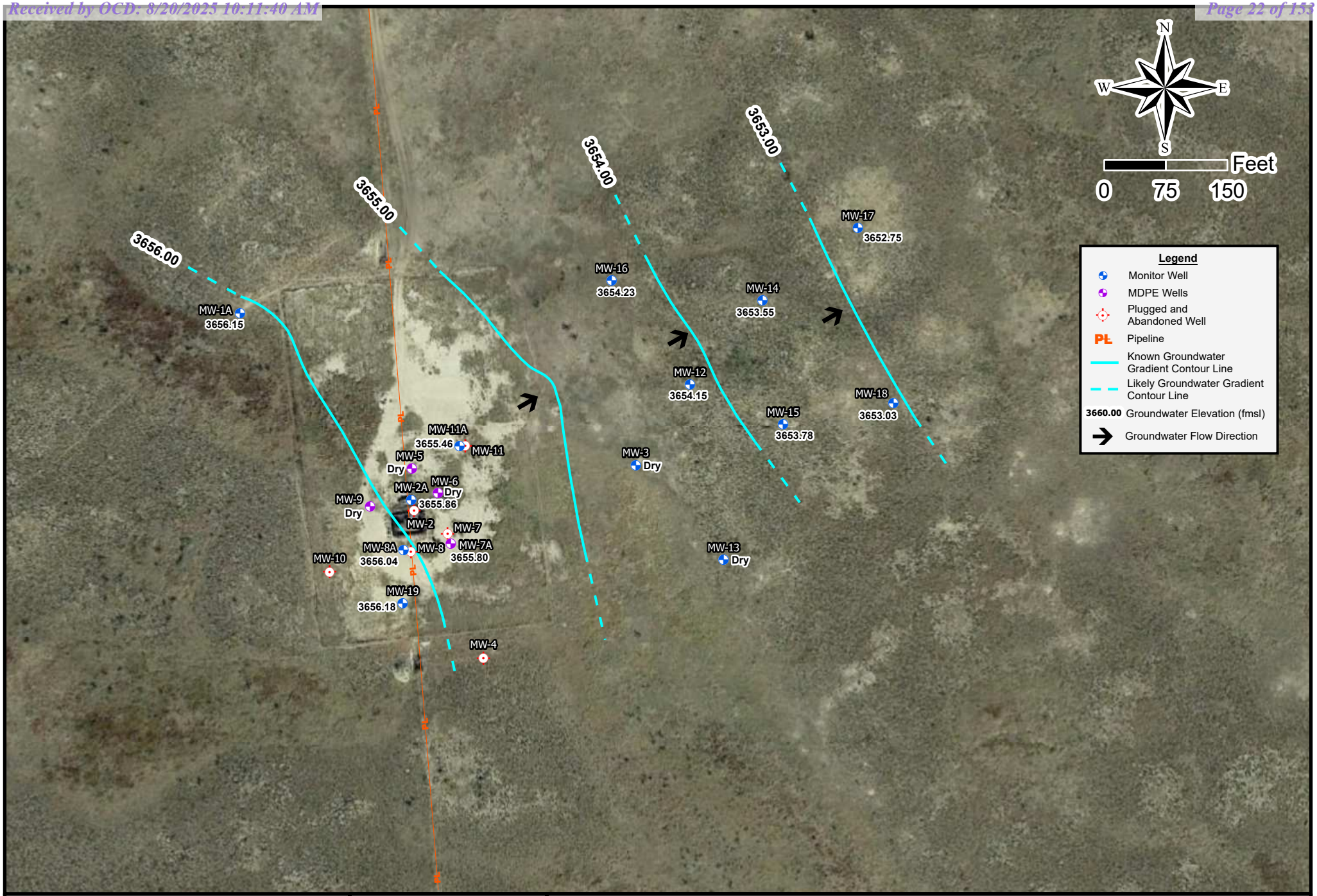
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 1 - Site Map



TALON LPE

Drafted: 4/26/2024
1 in = 150 ft
Drafted By: IJR

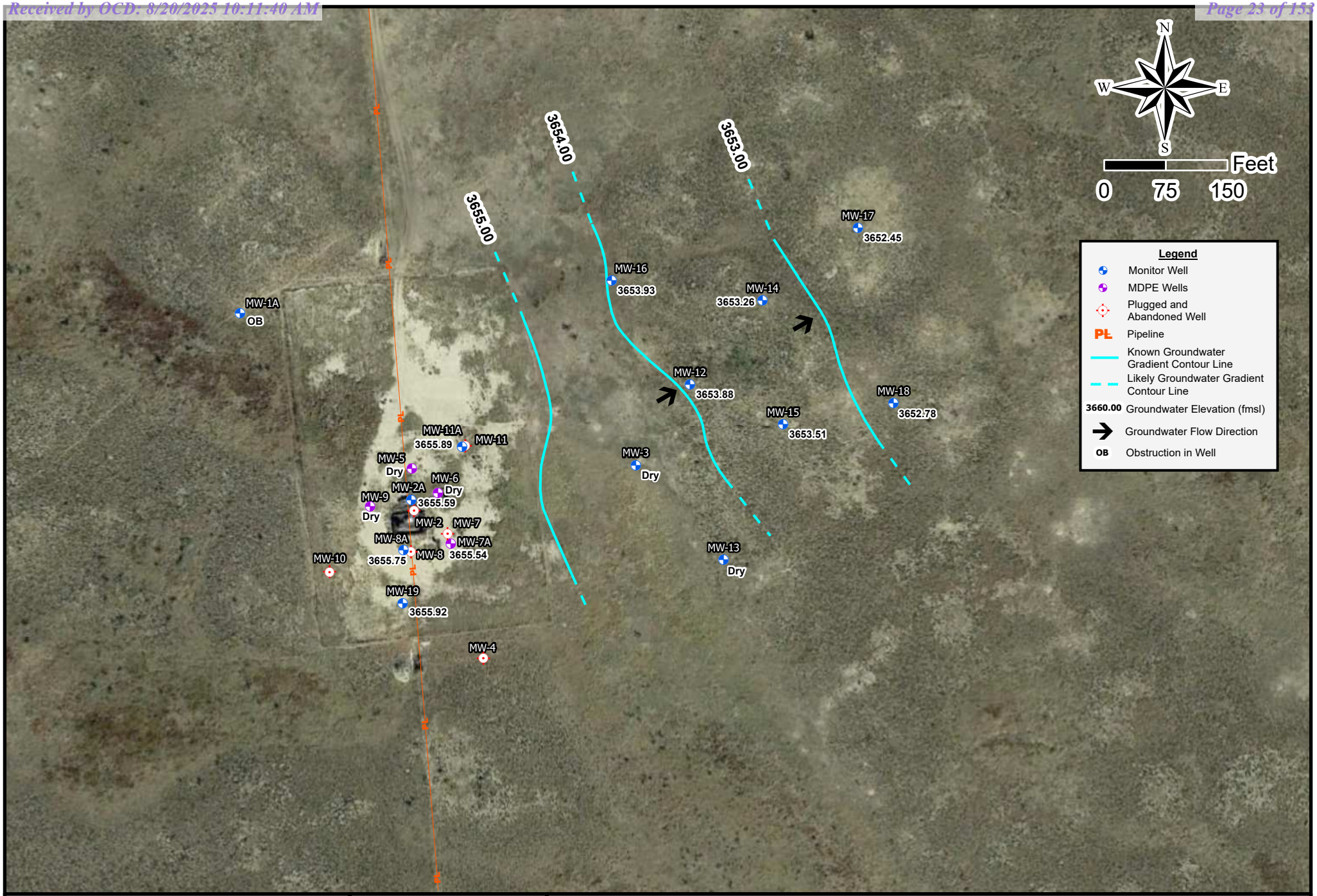
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 2a - Groundwater Gradient Map (03/05/2024)



TALON LPE

Drafted: 12/18/2024
1 in = 150 ft
Drafted By: IJR

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 2b - Groundwater Gradient Map (06/05/2023)



TALON LPE

Drafted: 3/18/2025
1 in = 150 ft
Drafted By: JAI

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 2c - Groundwater Gradient Map (09/06/2024)

TALON LPE

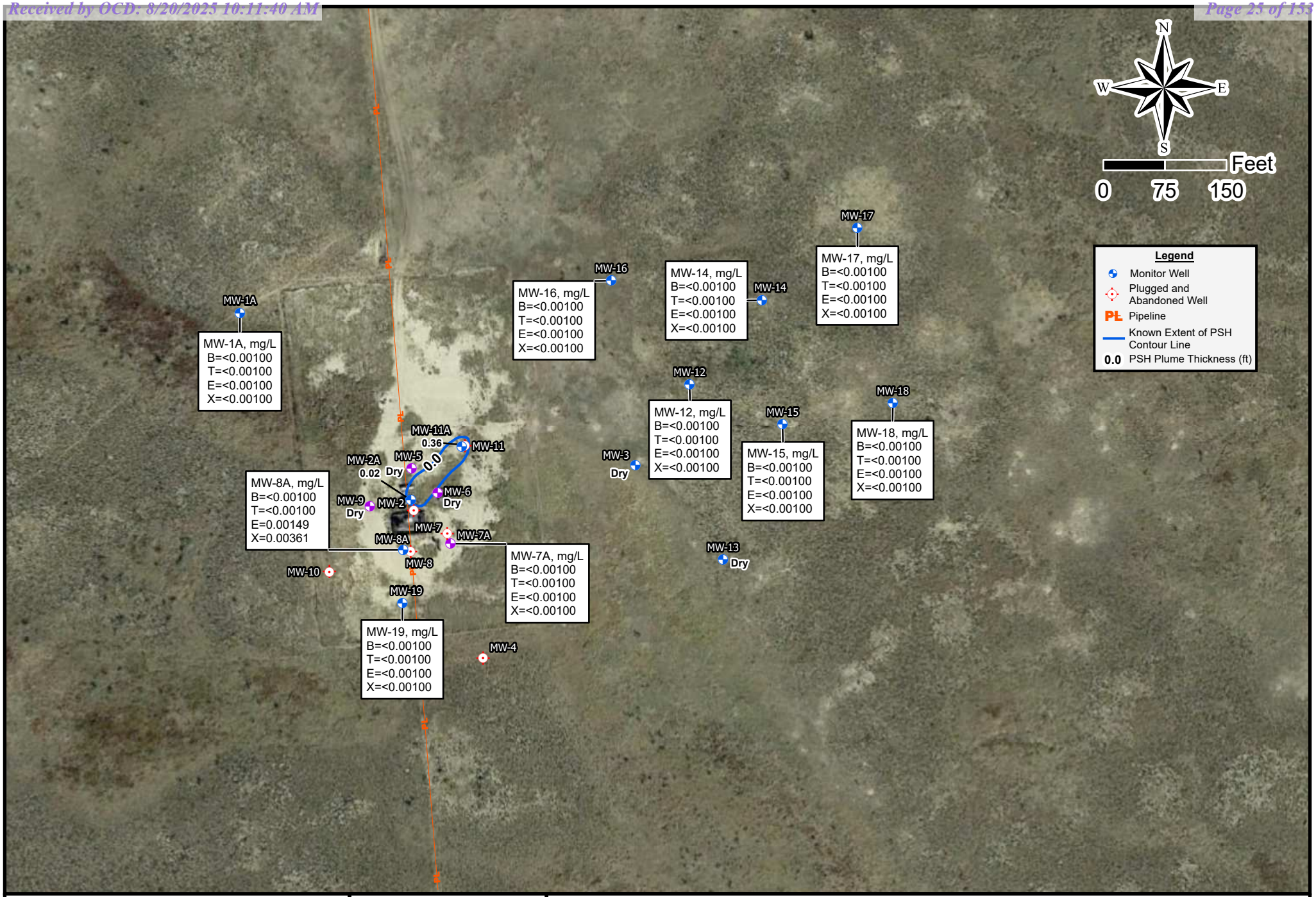
Drafted: 1/15/2025

1 in = 150 ft

Drafted By: IJR

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008

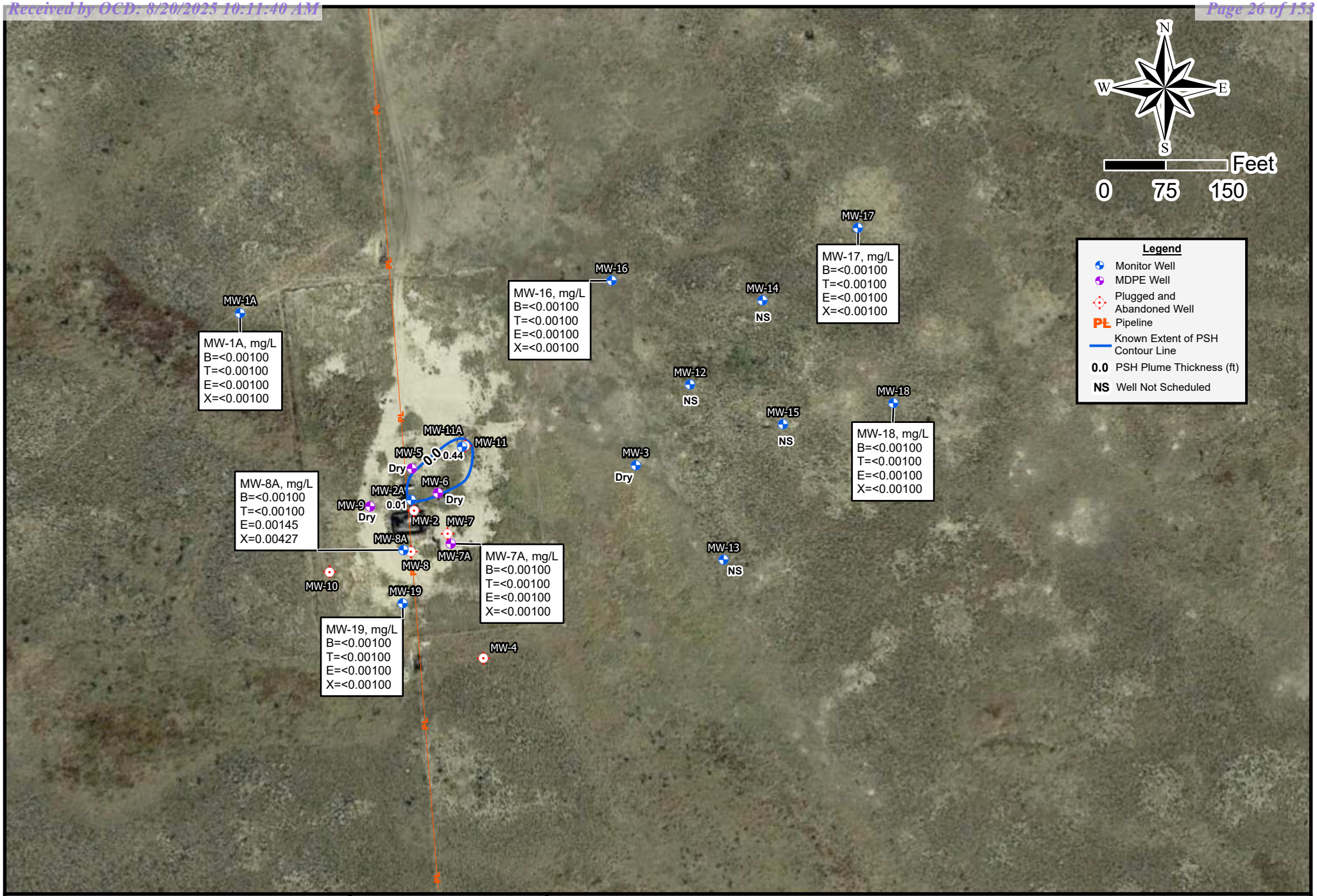
Figure 2d - Groundwater Gradient Map (12/06/2024)



TALON LPE

Drafted: 3/18/2025
1 in = 150 ft
Drafted By: IJR

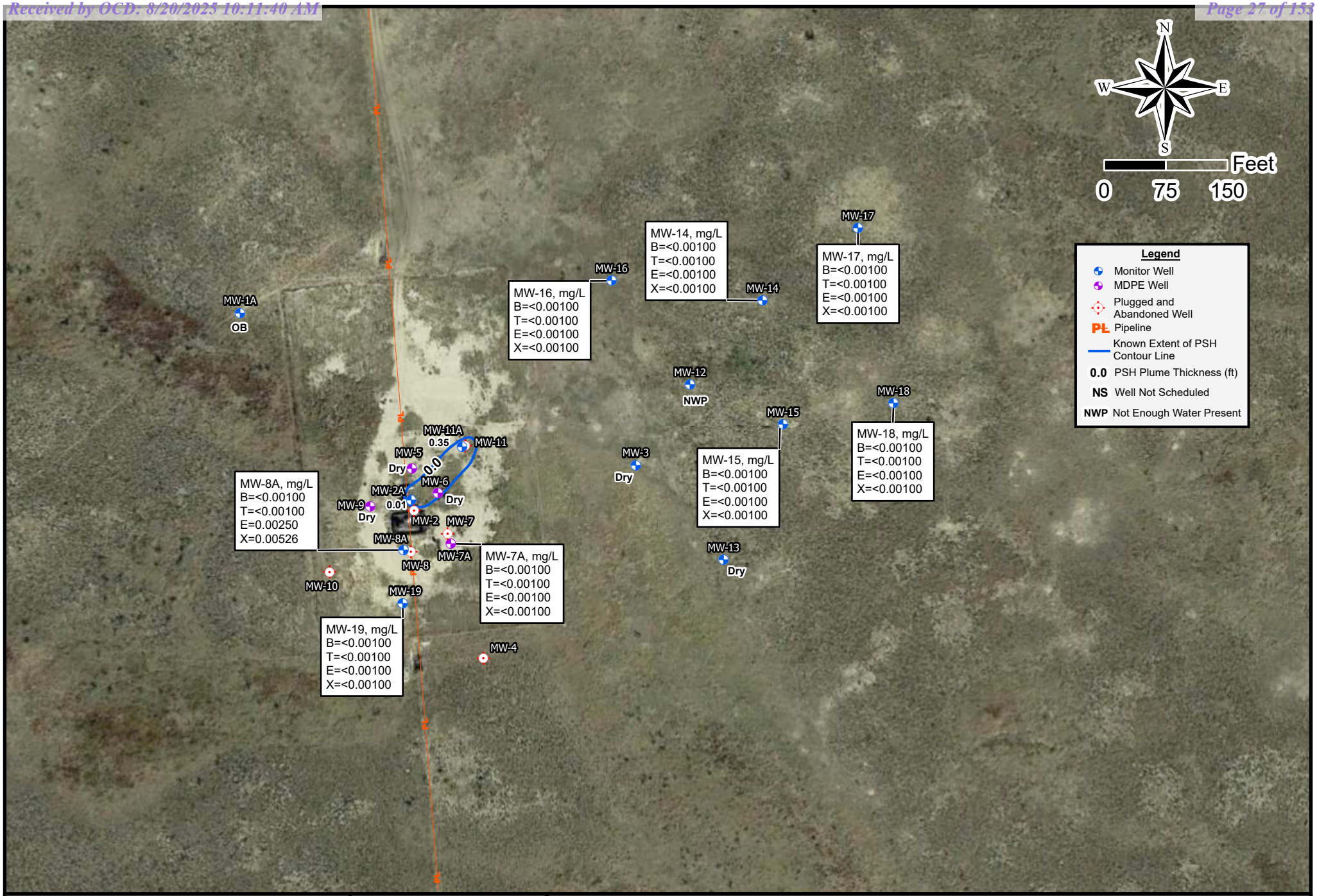
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 3a - PSH Thickness and Groundwater Concentration Map (03/05/2024)



TALON LPE

Drafted: 3/18/2025
1 in = 150 ft
Drafted By: IJR

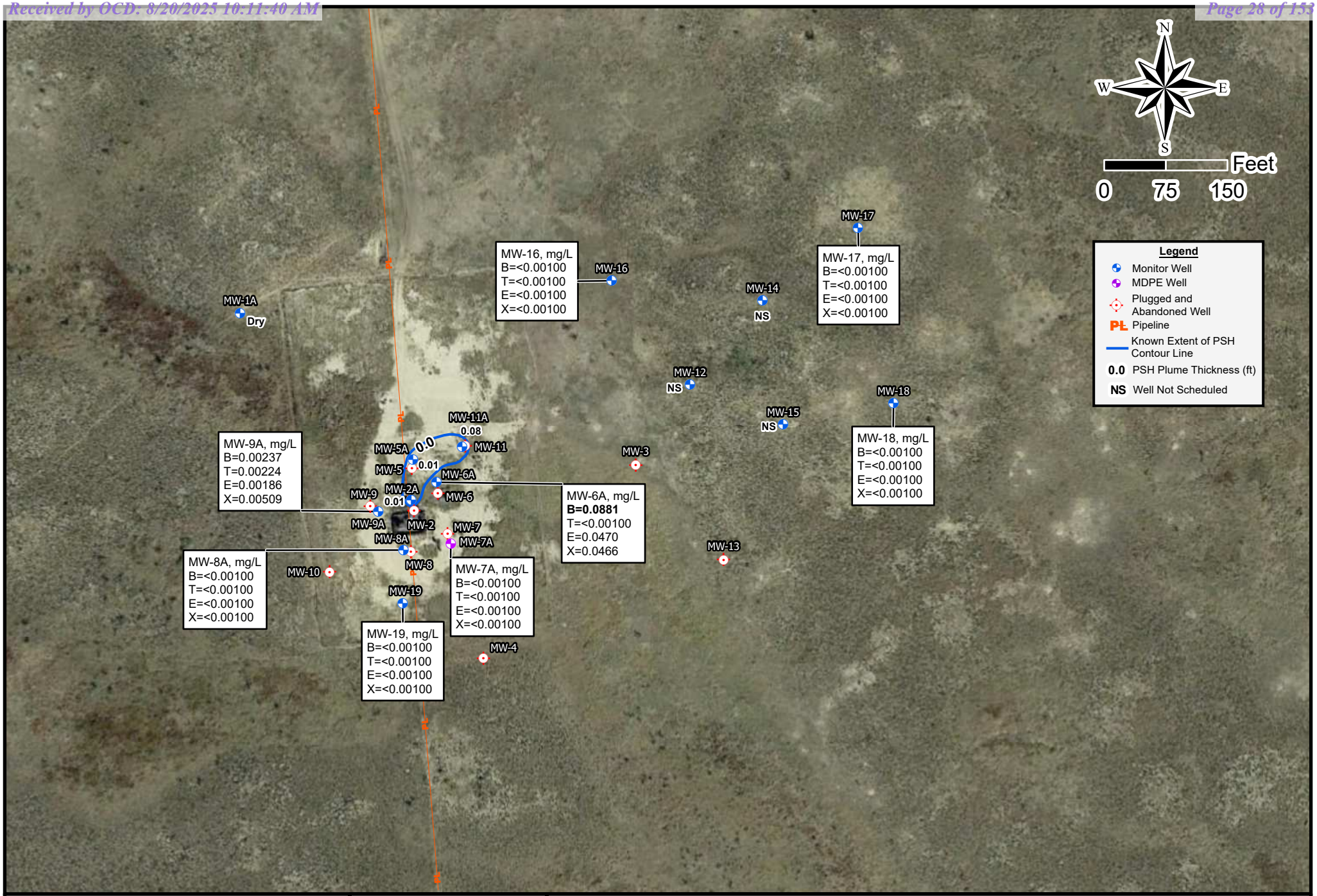
Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 3b - PSH Thickness and Groundwater Concentration Map (06/05/2024)



TALON LPE

Drafted: 3/18/2025
1 in = 150 ft
Drafted By: JAI

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 3c - PSH Thickness and Groundwater Concentration Map (09/06/2024)



TALON LPE

Drafted: 3/18/2025
1 in = 150 ft
Drafted By: JAI

Kimbrough Sweet 8"
SRS # 2000-10757, NMOCD REF. #nAPP2109529734
SW 1/4 of the NE 1/4, Sec. 3, T18S, R37E, Lea County, New Mexico
32.779804, -103.239008
Figure 3d - PSH Thickness and Groundwater Concentration Map (12/06/2024)

APPENDIX B

Tables

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-1A 2"	3723.46	55.7	85.7	03/10/2016	60.52	-	-	3662.94
				05/27/2016	61.66	-	-	3661.80
				09/09/2016	60.89	-	-	3662.57
				12/06/2016	61.05	-	-	3662.41
				03/06/2017	61.23	-	-	3662.23
				06/08/2017	61.41	-	-	3662.05
				09/12/2017	61.56	-	-	3661.90
				12/13/2017	DS	-	-	-
				03/22/2018	DS	-	-	-
				09/12/2018	62.15	-	-	3661.31
				12/10/2018	62.38	-	-	3661.08
				03/14/2019	62.65	-	-	3660.81
				06/11/2019	62.80	-	-	3660.66
				09/23/2019	63.00	-	-	3660.46
				12/09/2019	63.17	-	-	3660.29
				03/09/2020	63.35	-	-	3660.11
				06/12/2020	63.55	-	-	3659.91
				09/21/2020	DR	-	-	-
				11/30/2020	63.93	-	-	3659.53
				03/22/2021	64.15	-		3659.31
				06/15/2021	64.41	-	-	3659.05
				09/16/2021	64.68	-	-	3658.78
				11/30/2021	68.45	-	-	3655.01
				03/04/2022	65.10	-	-	3658.36
				06/07/2022	66.37	-	-	3657.09
				09/14/2022	65.59	-	-	3657.87
				12/06/2022	65.86	-	-	3657.60
				03/03/2023	66.06	-	-	3657.40
				06/09/2023	66.34	-	-	3657.12
				09/08/2023	66.57	-	-	3656.89
				12/11/2023	66.84	-	-	3656.62
				03/05/2024	67.06	-	-	3656.40
				06/05/2024	67.31	-	-	3656.15
				09/06/2024	OB	-	-	-
				12/06/2024	DR	-	-	-
MW-2 4"	3723.32	41	61	03/10/2016	DR	-	-	-
				05/27/2016	59.94	-	-	3663.38
				09/09/2016	61.42	60.19	1.23	3662.93
				12/01/2016	DR	-	-	-
				03/06/2017	61.05	60.57	0.48	3662.67
				06/08/2017	DR	-	-	-
				09/12/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-
MW-2A 4"	3722.25	60	80	09/12/2018	61.32	-	-	3660.93
				12/10/2018	61.50	-	-	3660.75
				03/14/2019	61.75	-	-	3660.50
				06/11/2019	61.93	-	-	3660.32
				09/23/2019	62.87	61.90	0.97	3660.19
				12/09/2019	62.30	62.25	0.05	3659.99
				03/09/2020	62.77	62.37	0.40	3659.81
				06/12/2020	63.05	62.63	0.42	3659.55
				09/21/2020	62.83	62.82	0.01	3659.43
				11/30/2020	63.05	63.04	0.01	3659.21
				03/23/2021	63.29	-	-	3658.96
				06/15/2021	63.50	63.49	0.01	3658.76
				09/16/2021	63.78	-	-	3658.47
				12/01/2021	64.06	63.92	0.14	3658.31
				03/04/2022	64.16	64.15	0.01	3658.10
				06/07/2022	64.46	64.45	0.01	3657.80
				09/14/2022	64.87	64.68	0.19	3657.54
				12/06/2022	65.04	64.93	0.11	3657.30
				03/03/2023	65.20	65.15	0.05	3657.09
				06/09/2023	65.47	65.39	0.08	3656.85
				09/08/2023	DR	-	-	-
				12/11/2023	65.93	65.92	0.01	3656.33
				03/05/2024	66.16	66.14	0.02	3656.11
				06/05/2024	66.40	66.39	0.01	3655.86
				09/06/2024	66.67	66.66	0.01	3655.59
				12/06/2024	66.92	66.91	0.01	3655.34

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-3 2"	3721.52	43.4	63.4	03/10/2016	60.06	-	-	3661.46
				05/27/2016	60.21	-	-	3661.31
				09/09/2016	60.42	-	-	3661.10
				12/06/2016	60.59	-	-	3660.93
				03/06/2017	60.79	-	-	3660.73
				06/08/2017	60.96	-	-	3660.56
				09/12/2017	61.12	-	-	3660.40
				12/13/2017	63.29	-	-	3658.23
				03/22/2018	61.47	-	-	3660.05
				06/12/2018	61.65	-	-	3659.87
				09/12/2018	61.71	-	-	3659.81
				12/10/2018	61.96	-	-	3659.56
				03/14/2019	62.15	-	-	3659.37
				06/11/2019	62.31	-	-	3659.21
				09/23/2019	62.47	-	-	3659.05
				12/09/2019	62.65	-	-	3658.87
				03/09/2020	62.84	-	-	3658.68
				06/12/2020	63.05	-	-	3658.47
				09/21/2020	63.27	-	-	3658.25
				11/30/2020	DR	-	-	-
				03/22/2021	63.11	-	-	3658.41
				06/15/2021	DR	-	-	-
				09/16/2021	DR	-	-	-
				11/30/2021	DR	-	-	-
				03/04/2022	DR	-	-	-
				06/07/2022	DR	-	-	-
				09/14/2022	DR	-	-	-
				12/06/2022	DR	-	-	-
				03/03/2023	DR	-	-	-
				06/09/2023	DR	-	-	-
				09/08/2023	DR	-	-	-
				12/11/2023	DR	-	-	-
				03/05/2024	DR	-	-	-
				06/05/2024	DR	-	-	-
				09/06/2024	DR	-	-	-
				09/12/2024	PA	-	-	-
MW-4 2"	3721.94	39.7	59.7	03/10/2016	DR	-	-	-
				05/27/2016	DR	-	-	-
				09/09/2016	DR	-	-	-
				12/06/2016	DR	-	-	-
				03/06/2017	DR	-	-	-
				06/08/2017	DR	-	-	-
				09/12/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-5 4"	3724.08	45	65	03/10/2016	63.87	60.65	3.22	3662.90
				05/27/2016	63.78	60.80	2.98	3662.79
				09/09/2016	63.15	61.45	1.70	3662.35
				12/01/2016	62.42	61.62	0.80	3662.33
				03/06/2017	62.59	62.10	0.49	3661.90
				06/08/2017	62.69	62.25	0.44	3661.76
				09/12/2017	63.19	62.40	0.79	3661.55
				12/13/2017	63.10	62.58	0.52	3661.41
				03/22/2018	63.82	62.55	1.27	3661.32
				06/12/2018	63.26	63.10	0.16	3660.95
				09/12/2018	63.14	63.13	0.01	3660.95
				12/10/2018	62.76	62.74	0.02	3661.34
				03/14/2019	63.03	63.00	0.03	3661.08
				06/11/2019	63.16	-	-	3660.92
				09/23/2019	63.33	63.26	0.07	3660.81
				12/09/2019	63.54	63.18	0.36	3660.84
				03/09/2020	63.47	63.33	0.14	3660.73
				06/12/2020	63.51	63.50	0.01	3660.58
				09/21/2020	65.00	63.53	1.47	3660.31
				11/30/2020	DR	-	-	-
				03/23/2021	DR	-	-	-
				06/15/2021	DR	-	-	-
				09/16/2021	DR	-	-	-
				12/01/2021	DR	-	-	-
				03/04/2022	DR	-	-	-
				06/07/2022	DR	-	-	-
				09/14/2022	DR	-	-	-
				12/06/2022	DR	-	-	-
				03/03/2023	DR	-	-	-
				06/09/2023	DR	-	-	-
				09/08/2023	DR	-	-	-
				12/11/2023	DR	-	-	-
				03/05/2024	DR	-	-	-
				06/05/2024	DR	-	-	-
				09/06/2024	DR	-	-	-
				09/12/2024	PA	-	-	-
MW-5A 4"	3722.85	61	81	10/31/2024	67.47	-	-	3655.38
				12/06/2024	67.59	67.58	0.01	3655.27
MW-6 4"	3722.16	44	64	03/10/2016	63.65	58.85	4.80	3662.52
				05/27/2016	61.43	59.53	1.90	3662.32
				09/09/2016	62.35	60.31	2.04	3661.51
				12/01/2016	60.76	60.14	0.62	3661.92
				03/06/2017	60.73	60.38	0.35	3661.72
				06/08/2017	60.85	60.59	0.26	3661.53
				09/12/2017	61.48	60.60	0.88	3661.41
				12/13/2017	61.58	60.78	0.80	3661.25
				03/22/2018	61.43	61.04	0.39	3661.06
				06/12/2018	61.45	61.30	0.15	3660.84
				09/12/2018	61.38	61.32	0.06	3660.83
				12/10/2018	61.53	61.52	0.01	3660.64
				03/14/2019	61.77	61.75	0.02	3660.41
				06/11/2019	61.94	61.92	0.02	3660.24
				09/23/2019	62.20	62.08	0.12	3660.06
				12/09/2019	62.79	62.20	0.59	3659.86
				03/09/2020	62.60	62.43	0.17	3659.70
				06/12/2020	62.73	62.67	0.06	3659.48
				09/21/2020	62.88	62.86	0.02	3659.30
				11/30/2020	63.06	-	-	3659.10
				03/23/2021	63.34	63.31	0.03	3658.85
				06/15/2021	65.52	65.51	0.01	3656.65
				09/16/2021	63.83	63.78	0.05	3658.37
				12/01/2021	64.00	63.98	0.02	3658.18
				03/04/2022	64.20	64.19	0.01	3657.97
				06/07/2022	64.51	64.46	0.05	3657.69
				09/14/2022	64.93	64.69	0.24	3657.43
				12/06/2022	65.01	64.96	0.05	3657.19
				03/03/2023	65.18	65.17	0.01	3656.99
				06/09/2023	65.43	65.42	0.01	3656.74
				09/08/2023	65.65	65.64	0.01	3656.52
				12/11/2023	DR	-	-	-
				03/05/2024	DR	-	-	-
				06/05/2024	DR	-	-	-
				09/06/2024	DR	-	-	-
				09/12/2024	PA	-	-	-
MW-6A 4"	3722.85	61	81	10/31/2024	67.36	-	-	3655.49
				12/06/2024	67.48	-	-	3655.37

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-7 4"	3723.23	44	64	03/10/2016	61.50	60.53	0.97	3662.54
				05/27/2016	60.93	60.83	0.10	3662.38
				09/09/2016	61.69	61.01	0.68	3662.11
				12/01/2016	62.19	61.09	1.10	3661.96
				03/06/2017	62.30	61.32	0.98	3661.75
				06/08/2017	62.75	61.35	1.40	3661.65
				09/12/2017	62.37	61.65	0.72	3661.46
				12/13/2017	62.73	61.73	1.00	3661.33
				03/22/2018	62.25	62.08	0.17	3661.12
				06/12/2018	62.66	62.24	0.42	3660.92
				08/29/2018	PA	-	-	-
MW-7A 2"	3722.42	60	80	09/12/2018	61.56	-	-	3660.86
				12/10/2018	61.72	-	-	3660.70
				03/14/2019	61.98	-	-	3660.44
				06/11/2019	62.15	-	-	3660.27
				09/23/2019	62.31	-	-	3660.11
				12/09/2019	62.50	-	-	3659.92
				03/09/2020	62.68	-	-	3659.74
				06/12/2020	62.85	-	-	3659.57
				09/21/2020	63.07	-	-	3659.35
				11/30/2020	63.29	-	-	3659.13
				03/23/2021	63.51	-	-	3658.91
				06/15/2021	63.73	-	-	3658.69
				09/16/2021	63.99	-	-	3658.43
				12/01/2021	64.16	-	-	3658.26
				03/04/2022	64.39	-	-	3658.03
				06/07/2022	64.66	-	-	3657.76
				09/14/2022	64.94	-	-	3657.48
				12/06/2022	65.17	-	-	3657.25
				03/03/2023	65.37	-	-	3657.05
				06/09/2023	65.63	-	-	3656.79
				09/08/2023	65.87	-	-	3656.55
				12/11/2023	66.15	-	-	3656.27
				03/05/2024	66.36	-	-	3656.06
				06/05/2024	66.62	-	-	3655.80
				09/06/2024	66.88	-	-	3655.54
				12/06/2024	67.15	-	-	3655.27
MW-8 4"	3723.41	41	61	03/10/2016	63.20	60.11	3.09	3662.79
				05/27/2016	63.43	60.26	3.17	3662.63
				09/09/2016	61.81	60.47	1.34	3662.72
				12/01/2016	61.63	60.61	1.02	3662.63
				03/06/2017	DR	-	-	-
				06/08/2017	DR	-	-	-
				09/12/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-
MW-8A 2"	3723.41	60	80	09/12/2018	62.33	-	-	3661.08
				12/10/2018	62.49	-	-	3660.92
				03/14/2019	62.76	-	-	3660.65
				06/11/2019	62.93	-	-	3660.48
				09/23/2019	63.08	-	-	3660.33
				12/09/2019	63.27	-	-	3660.14
				03/09/2020	63.45	-	-	3659.96
				06/12/2020	63.64	-	-	3659.77
				09/21/2020	63.83	-	-	3659.58
				11/30/2020	64.05	-	-	3659.36
				03/22/2021	64.27	-	-	3659.14
				06/15/2021	64.50	-	-	3658.91
				09/16/2021	64.74	-	-	3658.67
				12/01/2021	64.92	-	-	3658.49
				03/04/2022	65.15	-	-	3658.26
				06/07/2022	65.45	-	-	3657.96
				09/14/2022	65.70	-	-	3657.71
				12/06/2022	65.92	-	-	3657.49
				03/03/2023	66.14	-	-	3657.27
				06/09/2023	66.40	-	-	3657.01
				09/08/2023	66.63	-	-	3656.78
				12/11/2023	66.91	-	-	3656.50
				03/05/2024	67.12	-	-	3656.29
				06/05/2024	67.37	-	-	3656.04
				09/06/2024	67.66	-	-	3655.75
				12/06/2024	67.92	-	-	3655.49

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-9 4"	3723.25	43	63	03/10/2016	61.95	60.16	1.79	3662.79
				05/27/2016	61.35	60.42	0.93	3662.68
				09/09/2016	61.12	60.78	0.34	3662.41
				12/01/2016	61.54	60.91	0.63	3662.24
				03/06/2017	62.00	61.02	0.98	3662.07
				06/08/2017	62.28	60.10	2.18	3662.79
				09/12/2017	61.44	61.39	0.05	3661.85
				12/13/2017	62.15	61.53	0.62	3661.62
				03/22/2018	62.83	61.65	1.18	3661.41
				06/12/2018	62.25	62.20	0.05	3661.04
				09/12/2018	62.05	62.03	0.02	3661.22
				12/10/2018	62.30	62.27	0.03	3660.98
				03/14/2019	62.66	62.45	0.21	3660.77
				06/11/2019	62.61	62.60	0.01	3660.65
				09/23/2019	62.97	62.85	0.12	3660.38
				12/09/2019	63.20	63.04	0.16	3660.18
				03/09/2020	63.35	62.98	0.37	3660.21
				06/12/2020	63.28	63.05	0.23	3660.16
				09/21/2020	63.28	63.15	0.13	3660.08
				11/30/2020	DR	-	-	-
				03/23/2021	DR	-	-	-
				06/15/2021	DR	-	-	-
				09/16/2021	63.29	-	-	3659.96
				12/01/2021	63.31	-	-	3659.94
				03/04/2022	DR	-	-	-
				06/07/2022	63.13	-	-	3660.12
				09/14/2022	63.20	-	-	3660.05
				12/06/2022	63.23	-	-	3660.02
				03/03/2023	63.23	-	-	3660.02
				06/09/2023	63.31	-	-	3659.94
				09/08/2023	63.37	-	-	3659.88
				12/11/2023	DR	-	-	-
				03/05/2024	DR	-	-	-
				06/05/2024	DR	-	-	-
				09/06/2024	DR	-	-	-
				09/12/2024	PA	-	-	-
MW-9A	3722.62	61	81	10/31/2024	67.19	-	-	3655.43
				12/06/2024	67.28	-	-	3655.34
MW-10 2"	3724.14	40.1	60.1	03/10/2016	DR	-	-	-
				05/27/2016	DR	-	-	-
				09/09/2016	DR	-	-	-
				12/06/2016	DR	-	-	-
				03/06/2017	DR	-	-	-
				06/08/2017	DR	-	-	-
				09/12/2017	DR	-	-	-
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-
MW-11 2"	3722.55	40.7	60.7	03/10/2016	60.65	59.60	1.05	3662.78
				05/27/2016	60.63	59.58	1.05	3662.80
				09/09/2016	60.59	59.81	0.78	3662.61
				12/01/2016	60.64	59.98	0.66	3662.46
				03/06/2017	60.59	60.19	0.40	3662.29
				06/08/2017	60.59	60.30	0.29	3662.20
				09/12/2017	60.60	60.48	0.12	3662.05
				12/13/2017	DR	-	-	-
				03/22/2018	DR	-	-	-
				06/12/2018	DR	-	-	-
				08/29/2018	PA	-	-	-

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-11A 2"	3722.32	60	80	09/12/2018	61.71	-	-	3660.61
				12/10/2018	61.89	-	-	3660.43
				03/14/2019	62.14	-	-	3660.18
				06/11/2019	64.51	61.86	2.65	3660.02
				09/23/2019	66.00	61.78	4.22	3659.84
				12/09/2019	64.25	62.35	1.90	3659.89
				03/09/2020	62.88	62.84	0.04	3659.47
				06/12/2020	64.01	62.84	1.17	3659.29
				09/21/2020	63.87	63.15	0.72	3659.05
				11/30/2020	63.42	-	-	3658.90
				03/22/2021	64.02	63.59	0.43	3658.66
				06/15/2021	63.87	63.86	0.01	3658.46
				09/16/2021	64.43	64.11	0.32	3658.39
				12/01/2021	65.39	65.37	0.02	3657.18
				03/04/2022	64.58	64.57	0.01	3657.98
				06/07/2022	65.08	64.88	0.20	3657.64
				09/14/2022	65.45	65.10	0.35	3657.39
				12/06/2022	65.40	65.39	0.01	3657.16
				03/03/2023	65.93	65.53	0.40	3656.72
				06/09/2023	66.50	65.76	0.74	3656.44
				09/08/2023	66.43	66.03	0.40	3656.22
				12/11/2023	66.37	66.36	0.01	3655.96
				03/05/2024	66.88	66.52	0.36	3655.94
				06/05/2024	67.23	66.79	0.44	3655.66
				09/06/2024	66.95	66.60	0.35	3655.89
				10/31/2024	67.84	67.32	0.52	3655.11
				12/06/2024	67.57	67.49	0.08	3655.02
MW-12 2"	3724.11	43	73	03/10/2016	63.08	-	-	3661.03
				05/27/2016	63.25	-	-	3660.86
				09/09/2016	63.42	-	-	3660.69
				12/06/2016	63.62	-	-	3660.49
				03/06/2017	63.30	-	-	3660.81
				06/08/2017	63.40	-	-	3660.71
				09/12/2017	64.13	-	-	3659.98
				12/13/2017	64.31	-	-	3659.80
				03/22/2018	61.46	-	-	3662.65
				06/12/2018	64.69	-	-	3659.42
				09/12/2018	64.73	-	-	3659.38
				12/10/2018	65.00	-	-	3659.11
				03/14/2019	65.18	-	-	3658.93
				06/11/2019	65.32	-	-	3658.79
				09/23/2019	65.50	-	-	3658.61
				12/09/2019	65.69	-	-	3658.42
				03/09/2020	65.88	-	-	3658.23
				06/12/2020	66.10	-	-	3658.01
				09/21/2020	66.30	-	-	3657.81
				11/30/2020	66.51	-	-	3657.60
				03/22/2021	66.74	-	-	3657.37
				06/15/2021	66.99	-	-	3657.12
				09/16/2021	67.24	-	-	3656.87
				11/30/2021	67.40	-	-	3656.71
				03/04/2022	67.69	-	-	3656.42
				06/07/2022	67.97	-	-	3656.14
				09/14/2022	68.21	-	-	3655.90
				12/06/2022	65.45	-	-	3658.66
				03/03/2023	68.69	-	-	3655.42
				06/09/2023	68.94	-	-	3655.17
				09/08/2023	69.20	-	-	3654.91
				12/11/2023	69.42	-	-	3654.69
				03/05/2024	69.70	-	-	3654.41
				06/05/2024	69.96	-	-	3654.15
				09/06/2024	70.23	-	-	3653.88

Table 1 - Gauging and NAPL Thickness - Historical
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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-13 2"	3723.19	43	73	03/10/2016	61.96	-	-	3661.23
				05/27/2016	62.10	-	-	3661.09
				09/09/2016	62.31	-	-	3660.88
				12/06/2016	62.47	-	-	3660.72
				03/06/2017	62.68	-	-	3660.51
				06/08/2017	62.85	-	-	3660.34
				09/12/2017	63.01	-	-	3660.18
				12/13/2017	63.19	-	-	3660.00
				03/22/2018	63.36	-	-	3659.83
				06/12/2018	63.60	-	-	3659.59
				09/12/2018	65.60	-	-	3657.59
				12/10/2018	63.57	-	-	3659.62
				03/14/2019	64.04	-	-	3659.15
				06/11/2019	64.17	-	-	3659.02
				09/23/2019	64.37	-	-	3658.82
				12/09/2019	64.54	-	-	3658.65
				03/09/2020	64.74	-	-	3658.45
				06/12/2020	65.00	-	-	3658.19
				09/21/2020	65.16	-	-	3658.03
				11/30/2020	65.35	-	-	3657.84
				03/22/2021	65.59	-	-	3657.60
				06/15/2021	65.83	-	-	3657.36
				09/16/2021	66.08	-	-	3657.11
				11/30/2021	66.25	-	-	3656.94
				03/04/2022	66.52	-	-	3656.67
				06/07/2022	66.80	-	-	3656.39
				09/14/2022	67.05	-	-	3656.14
				12/06/2022	67.25	-	-	3655.94
				03/03/2023	DR	-	-	-
				06/09/2023	67.76	-	-	3655.43
				09/08/2023	DR	-	-	-
				12/11/2023	DR	-	-	-
				03/05/2024	DR	-	-	-
				06/05/2024	DR	-	-	-
				09/06/2024	DR	-	-	-
				09/12/2024	PA	-	-	-
MW-14 4"	3725.10	62.3	82.3	03/10/2016	64.64	-	-	3660.46
				05/27/2016	64.78	-	-	3660.32
				09/09/2016	65.00	-	-	3660.10
				12/06/2016	65.15	-	-	3659.95
				03/06/2017	66.24	-	-	3658.86
				06/08/2017	65.55	-	-	3659.55
				09/12/2017	65.68	-	-	3659.42
				12/13/2017	65.85	-	-	3659.25
				03/22/2018	66.05	-	-	3659.05
				06/12/2018	66.24	-	-	3658.86
				09/12/2018	66.26	-	-	3658.84
				12/10/2018	66.46	-	-	3658.64
				03/14/2019	66.72	-	-	3658.38
				06/11/2019	66.84	-	-	3658.26
				09/23/2019	67.03	-	-	3658.07
				12/09/2019	67.25	-	-	3657.85
				03/09/2020	67.45	-	-	3657.65
				06/12/2020	67.65	-	-	3657.45
				09/21/2020	67.87	-	-	3657.23
				11/30/2020	68.05	-	-	3657.05
				03/22/2021	68.31	-	-	3656.79
				06/15/2021	68.55	-	-	3656.55
				09/16/2021	68.84	-	-	3656.26
				11/30/2021	68.95	-	-	3656.15
				03/04/2022	69.26	-	-	3655.84
				06/07/2022	69.55	-	-	3655.55
				09/14/2022	69.79	-	-	3655.31
				12/06/2022	70.03	-	-	3655.07
				03/03/2023	70.28	-	-	3654.82
				06/09/2023	70.52	-	-	3654.58
				09/08/2023	70.79	-	-	3654.31
				12/11/2023	71.06	-	-	3654.04
				03/05/2024	71.28	-	-	3653.82
				06/05/2024	71.55	-	-	3653.55
				09/06/2024	71.84	-	-	3653.26

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-15 4"	3726.06	59.2	79.2	03/10/2016	65.40	-	-	3660.66
				05/27/2016	65.56	-	-	3660.50
				09/09/2016	65.75	-	-	3660.31
				12/06/2016	65.90	-	-	3660.16
				03/06/2017	66.09	-	-	3659.97
				06/08/2017	66.32	-	-	3659.74
				09/12/2017	66.45	-	-	3659.61
				12/13/2017	66.63	-	-	3659.43
				03/22/2018	66.82	-	-	3659.24
				06/12/2018	67.03	-	-	3659.03
				09/12/2018	67.04	-	-	3659.02
				12/10/2018	67.32	-	-	3658.74
				03/14/2019	67.49	-	-	3658.57
				06/11/2019	67.62	-	-	3658.44
				09/23/2019	67.79	-	-	3658.27
				12/09/2019	68.00	-	-	3658.06
				03/09/2020	68.19	-	-	3657.87
				06/12/2020	68.40	-	-	3657.66
				09/21/2020	68.84	-	-	3657.22
				11/30/2020	68.81	-	-	3657.25
				03/22/2021	69.08	-	-	3656.98
				06/15/2021	68.30	-	-	3657.76
				09/16/2021	69.59	-	-	3656.47
				11/30/2021	69.45	-	-	3656.61
				03/04/2022	70.04	-	-	3656.02
				06/07/2022	70.30	-	-	3655.76
				09/14/2022	70.55	-	-	3655.51
				12/06/2022	70.72	-	-	3655.34
				03/03/2023	71.01	-	-	3655.05
				06/09/2023	71.27	-	-	3654.79
				09/08/2023	71.52	-	-	3654.54
				12/11/2023	71.79	-	-	3654.27
				03/05/2024	72.04	-	-	3654.02
				06/05/2024	72.28	-	-	3653.78
				09/06/2024	72.55	-	-	3653.51
MW-16 2"	3722.32	52.7	82.7	03/10/2016	61.23	-	-	3661.09
				05/27/2016	61.39	-	-	3660.93
				09/09/2016	61.60	-	-	3660.72
				12/06/2016	61.74	-	-	3660.58
				03/06/2017	61.95	-	-	3660.37
				06/08/2017	61.13	-	-	3661.19
				09/12/2017	62.27	-	-	3660.05
				12/13/2017	62.43	-	-	3659.89
				03/22/2018	62.63	-	-	3659.69
				06/12/2018	62.81	-	-	3659.51
				09/12/2018	62.89	-	-	3659.43
				12/10/2018	63.07	-	-	3659.25
				03/14/2019	63.32	-	-	3659.00
				06/11/2019	63.45	-	-	3658.87
				09/23/2019	63.64	-	-	3658.68
				12/09/2019	63.81	-	-	3658.51
				03/09/2020	64.02	-	-	3658.30
				06/12/2020	64.25	-	-	3658.07
				09/21/2020	64.44	-	-	3657.88
				11/30/2020	64.64	-	-	3657.68
				03/22/2021	64.87	-	-	3657.45
				06/15/2021	65.13	-	-	3657.19
				09/16/2021	65.38	-	-	3656.94
				11/30/2021	65.55	-	-	3656.77
				03/04/2022	65.83	-	-	3656.49
				06/07/2022	66.10	-	-	3656.22
				09/14/2022	66.36	-	-	3655.96
				12/06/2022	66.60	-	-	3655.72
				03/03/2023	66.83	-	-	3655.49
				06/09/2023	67.09	-	-	3655.23
				09/08/2023	67.33	-	-	3654.99
				12/11/2023	67.61	-	-	3654.71
				03/05/2024	67.85	-	-	3654.47
				06/05/2024	68.09	-	-	3654.23
				09/06/2024	68.39	-	-	3653.93
				12/06/2024	68.66	-	-	3653.66

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Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-17 2"	3725.28	56.6	86.6	03/10/2016	65.55	-	-	3659.73
				05/27/2016	65.69	-	-	3659.59
				09/09/2016	65.90	-	-	3659.38
				12/06/2016	66.05	-	-	3659.23
				03/06/2017	65.35	-	-	3659.93
				06/08/2017	66.44	-	-	3658.84
				09/12/2017	66.56	-	-	3658.72
				12/13/2017	66.75	-	-	3658.53
				03/22/2018	66.95	-	-	3658.33
				06/12/2018	67.11	-	-	3658.17
				09/12/2018	67.16	-	-	3658.12
				12/10/2018	67.45	-	-	3657.83
				03/14/2019	67.82	-	-	3657.46
				06/11/2019	67.75	-	-	3657.53
				09/23/2019	67.93	-	-	3657.35
				12/09/2019	68.13	-	-	3657.15
				03/09/2020	68.35	-	-	3656.93
				06/12/2020	68.53	-	-	3656.75
				09/21/2020	68.76	-	-	3656.52
				11/30/2020	68.96	-	-	3656.32
				03/22/2021	69.25	-	-	3656.03
				06/15/2021	69.47	-	-	3655.81
				09/16/2021	69.75	-	-	3655.53
				11/30/2021	69.90	-	-	3655.38
				03/04/2022	70.22	-	-	3655.06
				06/07/2022	70.51	-	-	3654.77
				09/14/2022	70.73	-	-	3654.55
				12/06/2022	70.97	-	-	3654.31
				03/03/2023	71.22	-	-	3654.06
				06/09/2023	71.49	-	-	3653.79
				09/08/2023	71.74	-	-	3653.54
				12/11/2023	72.03	-	-	3653.25
				03/05/2024	72.26	-	-	3653.02
				06/05/2024	72.53	-	-	3652.75
				09/06/2024	72.83	-	-	3652.45
				12/06/2024	73.08	-	-	3652.20
MW-18 2"	3724.75	55.8	85.8	03/10/2016	64.80	-	-	3659.95
				05/27/2016	64.63	-	-	3660.12
				09/09/2016	65.12	-	-	3659.63
				12/06/2016	65.29	-	-	3659.46
				03/06/2017	65.49	-	-	3659.26
				06/08/2017	65.69	-	-	3659.06
				09/12/2017	65.83	-	-	3658.92
				12/13/2017	66.00	-	-	3658.75
				03/22/2018	66.18	-	-	3658.57
				06/12/2018	66.34	-	-	3658.41
				09/12/2018	66.40	-	-	3658.35
				12/10/2018	66.65	-	-	3658.10
				03/14/2019	66.84	-	-	3657.91
				06/11/2019	67.00	-	-	3657.75
				09/23/2019	67.17	-	-	3657.58
				12/09/2019	67.35	-	-	3657.40
				03/09/2020	67.56	-	-	3657.19
				06/12/2020	67.77	-	-	3656.98
				09/21/2020	68.00	-	-	3656.75
				11/30/2020	68.20	-	-	3656.55
				03/22/2021	68.46	-	-	3656.29
				06/15/2021	68.71	-	-	3656.04
				09/16/2021	68.96	-	-	3655.79
				11/30/2021	69.15	-	-	3655.60
				03/04/2022	69.43	-	-	3655.32
				06/07/2022	69.71	-	-	3655.04
				09/14/2022	69.92	-	-	3654.83
				12/06/2022	70.19	-	-	3654.56
				03/03/2023	70.43	-	-	3654.32
				06/09/2023	70.68	-	-	3654.07
				09/08/2023	70.91	-	-	3653.84
				12/11/2023	71.21	-	-	3653.54
				03/05/2024	71.45	-	-	3653.30
				06/05/2024	71.72	-	-	3653.03
				09/06/2024	71.97	-	-	3652.78
				12/06/2024	72.25	-	-	3652.50

Table 1 - Gauging and NAPL Thickness - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS#: 2000-10757

Sample ID	Casing Elevation (fmsl)	Top of Screen (ft)	Bottom of Screen (ft)	Sample Date (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (fmsl)
MW-19 2"	3722.80	60	80	09/12/2018	61.58	-	-	3661.22
				12/10/2018	61.74	-	-	3661.06
				03/14/2019	62.02	-	-	3660.78
				06/11/2019	62.13	-	-	3660.67
				09/23/2019	62.34	-	-	3660.46
				12/09/2019	62.50	-	-	3660.30
				03/09/2020	62.68	-	-	3660.12
				06/12/2020	62.87	-	-	3659.93
				09/21/2020	63.09	-	-	3659.71
				11/30/2020	63.28	-	-	3659.52
				03/22/2021	63.51	-	-	3659.29
				06/15/2021	63.75	-	-	3659.05
				09/16/2021	64.00	-	-	3658.80
				12/01/2021	64.19	-	-	3658.61
				03/04/2022	64.40	-	-	3658.40
				06/07/2022	64.70	-	-	3658.10
				09/14/2022	64.96	-	-	3657.84
				12/06/2022	65.16	-	-	3657.64
				03/03/2023	65.38	-	-	3657.42
				06/09/2023	65.63	-	-	3657.17
				09/08/2023	65.87	-	-	3656.93
				12/11/2023	66.14	-	-	3656.66
				03/05/2024	66.36	-	-	3656.44
				06/05/2024	66.62	-	-	3656.18
				09/06/2024	66.88	-	-	3655.92
				12/06/2024	67.14	-	-	3655.66

Specific Gravity: 0.75
Notes:
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
Kimbrough Sweet 8 inch
Lea County, NM
SRS#: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	Notes
NMWQCC - Groundwater Standards		0.010	0.750	0.750	0.620	-	-
MW-1A	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-
	05/27/2016	0.00220	<0.000238	<0.000238	<0.000243	-	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-
	12/06/2016	0.00609	<0.00100	<0.000657	<0.000642	-	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/08/2017	0.00456	<0.00100	<0.000657	<0.000642	0.00456	-
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	09/28/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	12/10/2019	<0.000408	0.000650	<0.000657	<0.000630	0.000650	-
	03/10/2020	0.000410 J	<0.000367	<0.000657	<0.000630	0.000410 J	-
	06/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000	-
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	-
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	09/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	12/06/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	03/06/2023	0.00620	<0.000367 *-	<0.000657	0.00162 J	0.00782	-
	06/13/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	-
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
MW-2A	09/13/2018	**2.41 D**	**0.808 D**	0.233	0.593	4.04	-
	12/11/2018	**0.924**	0.169	0.0755	0.191	1.36	-
	03/18/2019	**1.61**	0.341	0.177	0.403	2.53	-
	06/12/2019	**2.23**	**0.946**	0.260	**0.670**	4.11	-
	03/24/2021	**0.291**	0.00449	0.0431	0.107	0.446	-
	09/16/2021	**0.344**	0.0122	0.0824	0.190	0.628	-
MW-3	03/10/2016	0.00110	<0.000238	<0.000238	<0.000243	-	-
	05/27/2016	0.00500	<0.000238	0.000300 J	<0.000243	-	-
	09/09/2016	0.0018	<0.000621	<0.000763	<0.000256	-	-
	12/06/2016	**0.0269**	<0.00100	0.00341	<0.000642	-	-
	03/07/2017	0.0016 J	<0.000367	<0.000657	<0.000630	0.0016	-
	06/08/2017	**0.0745**	0.00308	0.00441	0.00267	0.0847	-
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	03/22/2018	0.000910 J	<0.000367	<0.000657	<0.000630	0.000910 J	-
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	03/20/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-
	09/12/2024	-	-	-	-	-	-
	09/12/2024	-	-	-	-	-	PA
MW-6	12/01/2020	**7.89 D**	**0.773 D**	0.350	**0.6770**	9.690	-
	09/12/2024	-	-	-	-	-	PA
MW-6A	12/06/2024	**0.0881**	<0.00100	0.0470	0.0466	0.182	-
MW-7A	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	03/15/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	06/11/2019	<0.000408	<0.000367	<0.000657	0.000630	0.000630	-
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	12/09/2019	<0.000408	0.000880	<0.000657	<0.000630	0.000880	-
	03/10/2020	0.000440 J	<0.000367	<0.000657	<0.000630	0.000440 J	-
	06/16/2020	0.000570 J	0.000640 J	<0.000657	<0.000630	0.00121 J	-
	09/23/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/01/2020	0.00103 J	<0.002000	<0.002000	<0.002000	0.001030 J	-
	03/24/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	-
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	09/16/2021	<0.00200	<0.00200	<0.00200	0.00112 J	0.00112 J	-
	12/01/2021	<0.00200	0.000477 J	<0.00200	<0.00400	<0.00400	-
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	09/16/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	12/06/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	03/07/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	06/13/2023	0.00144	0.00150	<0.00100	0.00602	0.00896	-
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	-
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	12/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-

Table 2 - Groundwater Analytical Data - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS#: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	Notes
MW-8A	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	03/15/2019	0.00752	0.0129	0.00952	0.0234	0.0533	-
	06/11/2019	0.00108	0.00225	0.00232	0.00776	0.0134	-
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	12/09/2019	0.000470	0.00159	0.00360	0.00478	0.0104	-
	03/09/2020	0.000760 J	0.000380 J	0.00150 J	0.00102 J	0.00366	-
	06/16/2020	0.00102 J	0.000640 J	<0.000657	<0.000630	0.00166 J	-
	09/23/2020	0.00119 J	<0.000367	0.000730 J	0.00126 J	0.00318	-
	12/01/2020	0.000780 J	0.000740 J	<0.002000	<0.002000	0.001520 J	-
	03/24/2021	<0.00200	<0.00200	0.000829 J	0.00132 J	0.00215	-
	06/18/2021	<0.00200	<0.00200	0.000987 J	0.00315 J	0.00414	-
	09/16/2021	0.000542 J	<0.00200	<0.00200	0.00472	0.00526	-
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	03/07/2022	<0.000408	<0.000367	<0.000657	0.00108 J	0.00108 J	-
	06/07/2022	<0.000408	<0.000367	<0.000657	0.00114 J	0.00114 J	-
	09/16/2022	0.000427 J	0.000409 J	0.00193 J	0.00344 J	0.00621	-
	12/06/2022	0.000657 J	0.000378 J	0.00280	0.00683	0.0107	-
	03/07/2023	<0.000408	0.00107 J	0.00155 J	0.00741	0.0100	-
	06/13/2023	<0.00100	<0.00100	0.00126	0.00259	0.00438	-
	09/08/2023	<0.000500	<0.000500	0.000970 J	0.000670 J	0.00164	-
	12/11/2023	<0.00100	<0.00100	0.00105	<0.00100	0.00105	-
	03/05/2024	<0.00100	<0.00100	0.00149	0.00361	0.00424	-
	06/05/2024	<0.00100	<0.00100	0.00145	0.00427	0.00572	-
	09/06/2024	<0.00100	<0.00100	0.00250	0.00526	0.00776	-
	12/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
MW-9	09/12/2024	-	-	-	-	-	PA
MW-9A	12/06/2024	0.00237	0.00224	0.00186	0.00509	0.0116	-
MW-11A	09/13/2018	**0.215**	<0.000367	0.00629	0.0840	0.305	-
	12/11/2018	**0.505**	<0.002560	0.0450	0.0355	0.586	-
	03/18/2019	**2.08**	0.00115	0.366	0.189	2.64	-
	11/30/2020	**2.49 D**	0.000690 J	**0.878 D**	0.5008	3.869	-
MW-12	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-
	05/27/2016	0.00130	<0.000238	0.000400 J	0.000300 J	-	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/08/2017	0.0016 J	<0.00100	<0.000657	<0.000642	0.0016 J	-
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	03/22/2018	0.00176 J	<0.000367	<0.000657	<0.000630	0.00176 J	-
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	03/18/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	12/10/2019	<0.000408	0.000510	<0.000657	<0.000630	0.000510	-
	03/10/2020	0.000550 J	<0.000367	<0.000657	<0.000630	0.000550 J	-
	06/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	09/23/2020	0.00171 J	<0.000367	<0.000657	<0.000630	0.00171 J	-
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000	-
	03/26/2021	0.000842 J	<0.00200	<0.00200	<0.00400	<0.00200	-
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	09/17/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	12/01/2021	<0.0200	<0.0200	<0.0200	<0.0400	<0.0400	-
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	03/06/2023	**0.0148**	<0.000367 *-	<0.000657	0.00231 J	0.0171	-
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
MW-13	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-
	05/27/2016	0.00190	<0.000238	0.000400 J	0.000300 J	-	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/08/2017	0.00985	<0.00100	<0.000657	<0.000642	0.00985	-
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	03/22/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	03/18/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	12/10/2019	<0.000408	0.000450	<0.000657	<0.000630	0.000450	-
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000	-
	03/26/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	-
	09/12/2024	-	-	-	-	-	PA

Table 2 - Groundwater Analytical Data - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS#: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	Notes
MW-14	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-
	05/27/2016	0.000800 J	<0.000238	<0.000238	<0.000243	-	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/08/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	03/22/2018	<0.000408	0.000760 J	<0.000657	<0.000630	0.000760 J	-
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	03/18/2019	0.000570	<0.0005	<0.0005	<0.0005	0.000570	-
	06/11/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	12/10/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/15/2020	<0.000408	0.000670 J	<0.000657	<0.000630	0.000670 J	-
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000	-
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	-
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	09/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	03/07/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
MW-15	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-
	05/27/2016	0.0014	<0.000238	<0.000238	<0.000243	-	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/08/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	03/22/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	03/15/2019	0.000850	<0.000367	<0.000657	<0.00063	0.000850	-
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	12/10/2019	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/15/2020	<0.000408	0.000400 J	<0.000657	<0.000630	0.000400 J	-
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000	-
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	-
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	09/16/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	03/07/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-

Table 2 - Groundwater Analytical Data - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS#: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	Notes
MW-16	03/10/2016	<0.000223	0.000300 J	<0.000238	<0.000243	-	-
	05/27/2016	0.000800 J	<0.000238	<0.000238	<0.000243	-	-
	09/09/2016	0.000700 J	<0.000621	<0.000763	<0.000256	-	-
	12/06/2016	0.00268	<0.00100	<0.000657	<0.000642	-	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/08/2017	0.00135 J	<0.00100	<0.000657	<0.000642	0.00135 J	-
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	03/22/2018	<0.000408	0.000740 J	<0.000657	<0.000630	0.000740 J	-
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	03/18/2019	0.00249	<0.0005	0.000550	<0.0005	0.00304	-
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	12/09/2019	<0.000408	0.000490	<0.000657	<0.000630	0.000490	-
	03/10/2020	0.000490 J	<0.000367	<0.000657	<0.000630	0.000490 J	-
	06/15/2020	<0.000408	0.000600 J	<0.000657	<0.000630	0.000600 J	-
	09/23/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000	-
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	-
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	09/17/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	12/06/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	03/06/2023	0.000509 J	<0.000367 *-	<0.000657	0.00162 J	0.00213 J	-
	06/13/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	-
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	12/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
MW-17	03/10/2016	<0.000223	0.000500 J	<0.000238	<0.000243	-	-
	05/27/2016	0.0016	<0.000238	0.000300 J	<0.000243	-	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/08/2017	0.00466	<0.00100	<0.000657	<0.000642	0.00466	-
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	03/22/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	03/18/2019	0.000780	<0.0005	<0.0005	<0.0005	0.000780	-
	06/11/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	12/10/2019	<0.000408	0.000470	<0.000657	<0.000630	0.00047	-
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/15/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	11/30/2020	<0.002000 X	<0.002000	<0.002000	<0.002000	<0.002000	-
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	-
	06/18/2021	<0.00200	0.000404 J	<0.00200	<0.00400	<0.00400	-
	09/17/2021	<0.00200	<0.00200	0.000972 J	<0.00400	0.000972 J	-
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	09/16/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	12/06/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	03/06/2023	0.00108 J	<0.000367 *-	<0.000657	0.00159 J	0.00267 J	-
	06/13/2023	<0.00100	<0.00100	<0.00100	0.00211	0.00262	-
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	-
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	12/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-

Table 2 - Groundwater Analytical Data - Historical
Kimbrough Sweet 8 inch
Lea County, NM
SRS#: 2000-10757

Sample ID	Date Sampled	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	Total BTEX (mg/L)	Notes
MW-18	03/10/2016	<0.000223	<0.000238	<0.000238	<0.000243	-	-
	05/27/2016	0.0016	<0.000238	<0.000238	<0.000243	-	-
	09/09/2016	<0.000504	<0.000621	<0.000763	<0.000256	-	-
	12/06/2016	<0.000408	<0.00100	<0.000657	<0.000642	-	-
	03/07/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/08/2017	<0.000408	<0.00100	<0.000657	<0.000642	<0.000408	-
	09/14/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/19/2017	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	03/22/2018	<0.000408	0.000710 J	<0.000657	<0.000630	0.000710 J	-
	06/12/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/11/2018	<0.000480	<0.000512	<0.000616	<0.000270	<0.000270	-
	03/18/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-
	06/12/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	09/25/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	12/10/2019	<0.000408	0.000380	<0.000657	<0.000630	0.000380	-
	03/10/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	06/15/2020	0.000530 J	0.000560 J	<0.000657	<0.000630	0.001090 J	-
	09/22/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	11/30/2020	<0.002000	<0.002000	<0.002000	<0.002000	<0.002000	-
	03/23/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	-
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	09/17/2021	<0.00200	<0.00200	0.00127 J	<0.00400	0.00127 J	-
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	12/06/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	03/06/2023	0.00298	<0.000367 *-	<0.000657	0.00159 J	0.00457	-
	06/13/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	-
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	12/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
MW-19	09/13/2018	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	03/15/2019	0.00123	0.00490	0.00227	0.00763	0.0160	-
	06/11/2019	0.000690	<0.000367	<0.000657	<0.00063	0.000690	-
	09/24/2019	<0.000408	<0.000367	<0.000657	<0.00063	<0.000367	-
	12/09/2019	<0.000408	0.000610	<0.000657	<0.000630	0.000610	-
	03/09/2020	0.000530 J	<0.000367	<0.000657	<0.000630	0.000530 J	-
	06/16/2020	<0.000408	0.000460 J	<0.000657	<0.000630	0.000460 J	-
	09/23/2020	<0.000408	<0.000367	<0.000657	<0.000630	<0.000367	-
	12/01/2020	**0.0132**	<0.002000	0.00315	0.002650	0.01900	-
	03/24/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	-
	06/18/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	09/17/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	12/01/2021	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	-
	03/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	06/07/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	09/15/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	12/06/2022	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	03/07/2023	<0.000408	<0.000367	<0.000657	<0.000642	<0.000657	-
	06/13/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/08/2023	<0.000500	<0.000500	<0.000500	<0.000500	<0.000500	-
	12/11/2023	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	03/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	06/05/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	09/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-
	12/06/2024	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100	-

Notes:
Lab Flags noted next to values. See lab report for description.
PA = Well Plugged and Abandoned

Analyte concentration exceeds the standard for:
NMWQCC - Groundwater Standards

Table 3 - Groundwater Analytical Data - Historical - PAH Supplement
Kimbrough Sweet 8 inch
Lea County, NM
SRS#2000-10757

Sample ID	Date Sampled	1-Methylnaphthalene (mg/L)	2-Methylnaphthalene (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a)anthracene (mg/L)	Benzo(a)pyrene (mg/L)	Benzo(b)fluoranthene (mg/L)	Benzo(g,h,i)perylene (mg/L)	Benzo(k)fluoranthene (mg/L)	Chrysene (mg/L)	Dibenz(a,h)anthracene (mg/L)	Dibenzofuran (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-c,d) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC - Groundwater Standards		-	-	-	-	0.001	-	0.0007	0.001	-	0.001	-	-	-	0.001	0.001	-	0.030	1.001	0.001
MW-1A	03/10/2016	-	-	<0.0000365	<0.0000638	<0.0000353	<0.0000792	<0.0000459	<0.0000780	<0.0000570	<0.0000616	<0.0000891	<0.0000618	<0.0000667	<0.0000701	<0.0000866	<0.0000590	<0.0000721	<0.0000567	<0.0000456
MW-2A	03/18/2019	-	-	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000458	<0.0000090	0.000246	<0.0000049	0.00493	0.000101	<0.0000092
	03/24/2021	-	-	<0.000194	<0.000194 *	<0.000194 *	<0.000194	<0.000194 *	<0.000194 *	<0.000194 *	<0.000194 *	<0.000194	<0.000194 *	0.000363 *	<0.000194	0.000206	<0.000194 *	0.00464 *	0.000206	<0.000194 *
MW-7A	03/15/2019	-	-	<0.0000041	<0.0000074	<0.0000077	<0.0000064	<0.0000096	<0.0000092	<0.0000080	<0.0000079	<0.0000089	<0.000005	<0.0000054	<0.0000090	<0.0000055	<0.000005	0.000114	<0.0000056	<0.0000093
	03/10/2020	-	-	<0.000116	<0.0000980	<0.000101	<0.000156	<0.0000664	<0.0000827	<0.000132 L	<0.000135	<0.000182	<0.0000884	-	<0.000183	<0.000117	<0.000106	<0.000113	<0.0000990	<0.000152
	03/07/2022	-	-	<0.0000986	<0.0000830	<0.0000887	<0.000132	<0.0000563	<0.0000690	<0.000111	<0.000114	<0.000154	<0.0000749	<0.0000986	<0.000155	<0.0000996	<0.0000900	<0.0000958	<0.0000838	<0.000128
	03/07/2023	-	-	<0.0000995	<0.0000837	<0.0000895	<0.000133	<0.0000568	<0.0000696	<0.000112	<0.000115	<0.000155	<0.0000756	<0.0000995	<0.000156	<0.000100	<0.0000908	<0.0000967	<0.0000845	<0.000129
	03/05/2024	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	-	<0.00010	<0.00010	<0.00010
MW-8A	03/15/2019	-	-	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000310	<0.0000055	<0.0000092
	03/09/2020	-	-	<0.000107	<0.0000903	<0.0000930	<0.000144	<0.0000612	<0.0000763	<0.000122 L	<0.000125	<0.000168	<0.0000816	-	<0.000169	<0.000108	<0.0000980	<0.000104	<0.0000913	<0.000140
	03/07/2022	-	-	<0.0000993	<0.0000836	<0.0000894	<0.000133	<0.0000567	<0.0000695	<0.000112	<0.000115	<0.000155	<0.0000755	<0.0000993	<0.000156	<0.000100	<0.0000906	<0.0000965	<0.0000844	<0.000129
	03/07/2023	-	-	<0.0000989	<0.0000833	<0.0000890	<0.000133	<0.0000565	<0.0000692	<0.000112	<0.000115	<0.000154	<0.0000752	<0.0000989	<0.000155	<0.0000999	<0.0000903	<0.0000962	<0.0000841	<0.000129
	03/05/2024	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	-	<0.00010	<0.00010	<0.00010
MW-11A	03/18/2019	-	-	0.000112	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	0.000527	<0.0000090	0.000180	<0.0000049	0.00669	0.000149	<0.0000092
MW-12	03/22/2018	-	-	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112	<0.000112
	03/18/2019	-	-	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000651	<0.0000055	<0.0000092
	03/10/2020	-	-	<0.000101	<0.0000852	<0.0000876	<0.000136	<0.0000577	<0.0000719	<0.000115 L	<0.000118	<0.000158	<0.0000769	-	<0.000159	<0.000102	<0.0000924	<0.0000984	<0.0000860	<0.000132
MW-16	03/10/2016	-	-	<0.0000350	<0.0000612	<0.0000338	<0.0000759	<0.0000440	<0.0000748	<0.0000546	<0.0000591	<0.0000854	<0.0000592	<0.0000639	<0.0000672	<0.0000830	<0.0000565	<0.0000691	<0.0000543	<0.0000437
	03/22/2018	-	-	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111
	03/18/2019	-	-	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	0.0000557	<0.0000055	<0.0000092
	03/10/2020	-	-	<0.000108	<0.0000913	<0.0000939	<0.000146	<0.0000619	<0.0000771	<0.000123 L	<0.000126	<0.000169	<0.0000824	-	<0.000170	<0.000109	<0.0000990	<0.000105	<0.0000922	<0.000141
MW-17	03/10/2016	-	-	<0.0000357	<0.0000624	<0.0000345	<0.0000775	<0.0000449	<0.0000763	<0.0000558	<0.0000603	<0.0000872	<0.0000604	<0.0000652	<0.0000686	<0.0000847	<0.0000577	<0.0000705	<0.0000555	<0.0000446
	03/22/2018	-	-	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109	<0.000109
	03/18/2019	-	-	<0.0000042	<0.0000075	<0.0000077	<0.0000065	<0.0000097	<0.0000093	<0.0000081	<0.0000079	<0.0000090	<0.0000050	<0.0000054	<0.0000091	<0.0000056	<0.0000050	0.0000363	<0.0000056	<0.0000094
	03/10/2020	-	-	<0.000105	<0.0000886	<0.0000911	<0.000141	<0.0000600	<0.0000748	<0.000119 L	<0.000122	<0.000164	<0.0000800	-	<0.000165	<0.000106	<0.0000961	<0.000102	<0.0000895	<0.000137
MW-18	03/10/2016	-	-	<0.0000373	<0.0000653	<0.0000361	<0.0000810	<0.0000470	<0.0000798	<0.0000583	<0.0000630	<0.0000912	<0.0000632	<0.0000682	<0.0000717	<0.0000886	<0.0000604	<0.0000737	<0.0000580	<0.0000466
	03/22/2018	-	-	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111
	03/18/2019	-	-	<0.0000041	<0.0000073	<0.0000076	<0.0000063	<0.0000095	<0.0000091	<0.0000080	<0.0000078	<0.0000088	<0.0000049	<0.0000053	<0.0000090	<0.0000055	<0.0000049	<0.0000045	<0.0000055	<0.0000092
MW-19	03/15/2019	-	-	<0.00000410	<0.00000740	<0.00000740	<0.00000640	<0.00000970	<0.00000920	<0.00000800	<0.00000790	<0.00000890	<0.00000500	0.000146	<0.00000910	0.000235	<0.00000500	0.000585	0.000323	<0.00000930
	03/09/2020	-	-	<0.000110	<0.0000923	<0.0000950	<0.000148	<0.0000626	<0.0000780	<0.000124 L	<0.000127	<0.000171	<0.0000834	-	<0.000172	<0.000111	<0.000100	<0.000107	<0.0000933	<0.000143
	03/07/2022	-	-	<0.000100	<0.0000844	<0.0000902	<0.000134	<0.0000572	<0.0000701	<0.000113	<0.000116	<0.000156	<0.0000761	<0.000100	<0.000157	<0.000101	<0.0000915	<0.0000974	<0.0000852	<0.000130
	03/07/2023	-	-	<0.0000984	<0.0000828	<0.0000886	<0.000132	<0.0000562	<0.0000689	<0.000111	<0.000114	<0.000153	<0.0000748	<0.0000984	<0.000154	<0.0000994	<0.0000898	<0.0000956	<0.0000836	<0.000128

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

Analyte concentration exceeds the standard for:
NMWQCC - Groundwater Standards

APPENDIX C

Laboratory Analytical Data Reports and Chain of Custody Documentation

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

PBELAB

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: Kimbrough (Kim)

Project Number: SRS#2000-10757

Location: Lea County,NM

Lab Order Number: 4C06004

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 03/20/24

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	4C06004-01	Water	03/05/24 13:35	03-06-2024 08:40
MW-7A	4C06004-02	Water	03/05/24 15:06	03-06-2024 08:40
MW-8A	4C06004-03	Water	03/05/24 13:46	03-06-2024 08:40
MW-18	4C06004-04	Water	03/05/24 12:45	03-06-2024 08:40
MW-15	4C06004-05	Water	03/05/24 11:31	03-06-2024 08:40
MW-14	4C06004-06	Water	03/05/24 12:20	03-06-2024 08:40
MW-12	4C06004-07	Water	03/05/24 14:05	03-06-2024 08:40
MW-16	4C06004-08	Water	03/05/24 14:55	03-06-2024 08:40
MW-1A	4C06004-09	Water	03/05/24 12:00	03-06-2024 08:40
MW-19	4C06004-10	Water	03/05/24 12:56	03-06-2024 08:40

PAH analysis was subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:
https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-17

4C06004-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:16	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.9 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 13:16*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.0 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 13:16*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-7A

4C06004-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 13:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.9 %*		*80-120*	*P4C0616*	*03/06/24 14:20*	*03/07/24 13:39*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.5 %*		*80-120*	*P4C0616*	*03/06/24 14:20*	*03/07/24 13:39*	*EPA 8021B*	
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
2-Methylnaphthalene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Acenaphthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Acenaphthylene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Anthracene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Benzo (a) anthracene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Benzo (a) pyrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Chrysene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Dibenzofuran	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Fluoranthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Fluorene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Naphthalene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Phenanthrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	
Pyrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:17	8270C	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-8A

4C06004-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	**0.00424**	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Xylenes (total)	**0.00361**	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Ethylbenzene	**0.00149**	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Xylene (p/m)	**0.00275**	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:03	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.2 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 14:03*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.6 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 14:03*	*EPA 8021B*	
PAH compounds by Semivolatile GCMS									
1-Methylnaphthalene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
2-Methylnaphthalene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Acenaphthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Acenaphthylene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Anthracene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Benzo (a) anthracene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Benzo (a) pyrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Benzo (b) fluoranthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Benzo (g,h,i) perylene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Benzo (k) fluoranthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Chrysene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Dibenzo (a,h) anthracene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Dibenzofuran	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Fluoranthene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Fluorene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Indeno (1,2,3-cd) pyrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Naphthalene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Phenanthrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	
Pyrene	ND	0.00010	mg/L	1	P4C1503	03/12/24 14:00	03/13/24 16:37	8270C	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-18

4C06004-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.9 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 14:26*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.9 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 14:26*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-15

4C06004-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 14:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.4 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 14:49*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.5 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 14:49*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-14

4C06004-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*95.4 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 15:13*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*91.9 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 15:13*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-12

4C06004-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.3 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 15:36*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.0 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 15:36*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-16

4C06004-08 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 15:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.7 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 15:59*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.4 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 15:59*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-1A

4C06004-09 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0616	03/06/24 14:20	03/07/24 16:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.6 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 16:23*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*89.1 %*	*80-120*		*P4C0616*	*03/06/24 14:20*	*03/07/24 16:23*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

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4C06004-10 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Total BTEX	ND	0.00100	mg/L	1	[CALC]	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 16:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.0 %*	*80-120*		*P4C0805*	*03/08/24 11:58*	*03/08/24 16:00*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.8 %*	*80-120*		*P4C0805*	*03/08/24 11:58*	*03/08/24 16:00*	*EPA 8021B*	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4C0616 - * DEFAULT PREP *** **										
Blank (P4C0616-BLK1)				Prepared: 03/06/24 Analyzed: 03/07/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		*"*	*0.120*		*93.5*	*80-120*			
LCS (P4C0616-BS1)				Prepared: 03/06/24 Analyzed: 03/07/24						
Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0997	0.00100	"	0.100		99.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.4*	*80-120*			
LCS Dup (P4C0616-BSD1)				Prepared: 03/06/24 Analyzed: 03/07/24						
Benzene	0.0990	0.00100	mg/L	0.100		99.0	80-120	12.4	20	
Toluene	0.0896	0.00100	"	0.100		89.6	80-120	14.3	20	
Ethylbenzene	0.0924	0.00100	"	0.100		92.4	80-120	14.1	20	
Xylene (p/m)	0.187	0.00200	"	0.200		93.5	80-120	13.2	20	
Xylene (o)	0.0877	0.00100	"	0.100		87.7	80-120	12.8	20	
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.5*	*80-120*			
Calibration Blank (P4C0616-CCB1)				Prepared: 03/06/24 Analyzed: 03/07/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.310		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.6*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4C0616 - * DEFAULT PREP *** **										
Calibration Blank (P4C0616-CCB2)				Prepared: 03/06/24 Analyzed: 03/07/24						
Benzene	0.260		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.140		"							
Xylene (p/m)	0.370		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		*"*	*0.120*		*92.2*	*80-120*			
Calibration Check (P4C0616-CCV1)				Prepared: 03/06/24 Analyzed: 03/07/24						
Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.3*	*80-120*			
Calibration Check (P4C0616-CCV2)				Prepared: 03/06/24 Analyzed: 03/07/24						
Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.0967	0.00100	"	0.100		96.7	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0982	0.00100	"	0.100		98.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.120*		*93.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.7*	*80-120*			
Calibration Check (P4C0616-CCV3)				Prepared: 03/06/24 Analyzed: 03/07/24						
Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.107*		*"*	*0.120*		*88.9*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4C0616 - * DEFAULT PREP *** **										
Matrix Spike (P4C0616-MS1)	**Source: 4C05013-01**			Prepared: 03/06/24 Analyzed: 03/07/24						
Benzene	0.0882	0.00100	mg/L	0.100	ND	88.2	80-120			
Toluene	0.0626	0.00100	"	0.100	ND	62.6	80-120			QM-05
Ethylbenzene	0.0589	0.00100	"	0.100	ND	58.9	80-120			QM-05
Xylene (p/m)	0.115	0.00200	"	0.200	ND	57.4	80-120			QM-05
Xylene (o)	0.0552	0.00100	"	0.100	ND	55.2	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.1*	*80-120*			
Matrix Spike Dup (P4C0616-MSD1)	**Source: 4C05013-01**			Prepared: 03/06/24 Analyzed: 03/07/24						
Benzene	0.0989	0.00100	mg/L	0.100	ND	98.9	80-120	11.4	20	
Toluene	0.0711	0.00100	"	0.100	ND	71.1	80-120	12.6	20	QM-05
Ethylbenzene	0.0661	0.00100	"	0.100	ND	66.1	80-120	11.6	20	QM-05
Xylene (p/m)	0.130	0.00200	"	0.200	ND	65.1	80-120	12.5	20	QM-05
Xylene (o)	0.0619	0.00100	"	0.100	ND	61.9	80-120	11.4	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*89.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.0*	*80-120*			
Batch P4C0805 - * DEFAULT PREP *** **										
Blank (P4C0805-BLK1)				Prepared & Analyzed: 03/08/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*91.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*98.9*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4C0805 - * DEFAULT PREP *** **										
LCS (P4C0805-BS1)				Prepared & Analyzed: 03/08/24						
Benzene	0.100	0.00100	mg/L	0.100		100	80-120			
Toluene	0.0881	0.00100	"	0.100		88.1	80-120			
Ethylbenzene	0.0897	0.00100	"	0.100		89.7	80-120			
Xylene (p/m)	0.181	0.00200	"	0.200		90.3	80-120			
Xylene (o)	0.0840	0.00100	"	0.100		84.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*91.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
LCS Dup (P4C0805-BSD1)				Prepared & Analyzed: 03/08/24						
Benzene	0.116	0.00100	mg/L	0.100		116	80-120	14.8	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	16.3	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120	15.8	20	
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120	15.4	20	
Xylene (o)	0.0985	0.00100	"	0.100		98.5	80-120	15.9	20	
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*86.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.2*	*80-120*			
Calibration Blank (P4C0805-CCB1)				Prepared & Analyzed: 03/08/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.210		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.108*		*"*	*0.120*		*90.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.2*	*80-120*			
Calibration Blank (P4C0805-CCB2)				Prepared & Analyzed: 03/08/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.290		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.106*		*"*	*0.120*		*88.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.3*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4C0805 - * DEFAULT PREP *** **										
Calibration Check (P4C0805-CCV1)				Prepared & Analyzed: 03/08/24						
Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0979	0.00100	"	0.100		97.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.6*	*80-120*			
Calibration Check (P4C0805-CCV2)				Prepared & Analyzed: 03/08/24						
Benzene	0.109	0.00100	mg/L	0.100		109	80-120			
Toluene	0.0958	0.00100	"	0.100		95.8	80-120			
Ethylbenzene	0.0916	0.00100	"	0.100		91.6	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.0	80-120			
Xylene (o)	0.0938	0.00100	"	0.100		93.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
Calibration Check (P4C0805-CCV3)				Prepared: 03/08/24 Analyzed: 03/09/24						
Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		110	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	*0.105*		*"*	*0.120*		*87.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Matrix Spike (P4C0805-MS1)	**Source: 4C07006-01**			Prepared: 03/08/24 Analyzed: 03/09/24						
Benzene	0.113	0.00100	mg/L	0.100	ND	113	80-120			
Toluene	0.105	0.00100	"	0.100	ND	105	80-120			
Ethylbenzene	0.107	0.00100	"	0.100	ND	107	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200	ND	107	80-120			
Xylene (o)	0.101	0.00100	"	0.100	ND	101	80-120			
Surrogate: 4-Bromofluorobenzene	*0.106*		*"*	*0.120*		*88.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4C0805 - * DEFAULT PREP *** **										
Matrix Spike Dup (P4C0805-MSD1)	**Source: 4C07006-01**			Prepared: 03/08/24 Analyzed: 03/09/24						
Benzene	0.114	0.00100	mg/L	0.100	ND	114	80-120	0.642	20	
Toluene	0.105	0.00100	"	0.100	ND	105	80-120	0.495	20	
Ethylbenzene	0.107	0.00100	"	0.100	ND	107	80-120	0.439	20	
Xylene (p/m)	0.216	0.00200	"	0.200	ND	108	80-120	0.562	20	
Xylene (o)	0.101	0.00100	"	0.100	ND	101	80-120	0.0695	20	
Surrogate: 4-Bromofluorobenzene	*0.106*		*"*	*0.120*		*87.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Notes and Definitions

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

Report Approved By:  Date: 3/20/2024

Brent Barron, Laboratory Director/Technical Director

Talon LPE	Project:	Kimbrough (Kim)
2901 S. State Hwy 349	Project Number:	SRS#2000-10757
Midland TX, 79706	Project Manager:	David Adkins

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: CH: W:

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

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

Project Name: Kimbrough (Kim)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2000-10757
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)
ORDER #: 4C06004

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW=Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	PAH	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-17			3-5-24	1:35		3	3		3						GW			X			X
2	MW-7A			3-5-24	3:06		6	6		3				3		GW			X	X		X
3	MW-8A			3-5-24	1:46		6	6		3				3		GW			X	X		X
4	MW-18			3-5-24	12:45		3	3		3						GW			X			X
5	MW-15			3-5-24	11:31		3	3		3						GW			X			X
6	MW-14			3-5-24	12:20		3	3		3						GW			X			X
7	MW-12			3-5-24	2:05		3	3		3						GW			X			X
8	MW-16			3-5-24	2:55		3	3		3						GW			X			X
9	MW-1A			3-5-24	12:00		3	3		3						GW			X			X
10	MW-19			3-5-24	12:56		3	3		3						GW			X			X

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

Relinquished by:	Date 3/6/24	Time 8:40	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by PBEL: Nina Bledsoe	Date 3/6/24	Time 8:40

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: 5.1 °C Thermometer: NCF
Adjusted: °C Factor: 43

PBEL_COC_2021_1 Revision #: 2021_1 Effective Date: 9-21-21 Page __ of __

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name: PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

ORDER #:

LAB # (lab use only)		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 1	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE 500 POLY	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: 8270C PAH LL												24 HOUR RUSH	STANDARD
	4C06004-02			3/5/2024	15:06		3	X							X	W	X												X
	4C06004-03			3/5/2024	13:46		3	X							X	W	X												X

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron					
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:
Received: °C
Adjusted: °C Factor

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

March 14, 2024

Brent Barron
Permian Basin Environmental Lab, LP
10014 SCR 1213
Midland, TX 79706

Work Order: **HS24030429**

Laboratory Results for: **4C06004**

Dear Brent Barron,

ALS Environmental received 2 sample(s) on Mar 08, 2024 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

ALS Houston, US Date: 14-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C06004
Work Order: HS24030429

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24030429-01	4C06004-02	Water		05-Mar-2024 15:06	08-Mar-2024 16:09	☐
HS24030429-02	4C06004-03	Water		05-Mar-2024 13:46	08-Mar-2024 16:09	☐

ALS Houston, US Date: 14-Mar-24

Client: Permian Basin Environmental Lab, LP **CASE NARRATIVE**
Project: 4C06004
Work Order: HS24030429

GCMS Semivolatiles by Method SW8270

Batch ID: 208713

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

ALS Houston, US Date: 14-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C06004
Sample ID: 4C06004-02
Collection Date: 05-Mar-2024 15:06

ANALYTICAL REPORT
WorkOrder:HS24030429
Lab ID:HS24030429-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 12-Mar-2024		Analyst: MBG
1-Methylnaphthalene	ND	n	0.103	ug/L	1	13-Mar-2024 16:17
2-Methylnaphthalene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Acenaphthene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Acenaphthylene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Anthracene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Benz(a)anthracene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Benzo(a)pyrene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Benzo(b)fluoranthene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Benzo(g,h,i)perylene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Benzo(k)fluoranthene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Chrysene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Dibenz(a,h)anthracene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Fluoranthene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Fluorene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Indeno(1,2,3-cd)pyrene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Naphthalene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Phenanthrene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Pyrene	ND		0.103	ug/L	1	13-Mar-2024 16:17
Surr: 2-Fluorobiphenyl	*106*		*32-130*	*%REC*	*1*	*13-Mar-2024 16:17*
Surr: 4-Terphenyl-d14	*67.1*		*40-135*	*%REC*	*1*	*13-Mar-2024 16:17*
Surr: Nitrobenzene-d5	*108*		*45-142*	*%REC*	*1*	*13-Mar-2024 16:17*

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

ALS Houston, US Date: 14-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C06004
Sample ID: 4C06004-03
Collection Date: 05-Mar-2024 13:46

ANALYTICAL REPORT
WorkOrder:HS24030429
Lab ID:HS24030429-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW-LEVEL PAHS - 8270D	**Method:SW8270**			Prep:SW3511 / 12-Mar-2024		Analyst: MBG
1-Methylnaphthalene	ND	n	0.101	ug/L	1	13-Mar-2024 16:37
2-Methylnaphthalene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Acenaphthene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Acenaphthylene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Anthracene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Benz(a)anthracene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Benzo(a)pyrene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Benzo(b)fluoranthene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Benzo(g,h,i)perylene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Benzo(k)fluoranthene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Chrysene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Dibenz(a,h)anthracene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Fluoranthene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Fluorene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Indeno(1,2,3-cd)pyrene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Naphthalene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Phenanthrene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Pyrene	ND		0.101	ug/L	1	13-Mar-2024 16:37
Surr: 2-Fluorobiphenyl	*104*		*32-130*	*%REC*	*1*	*13-Mar-2024 16:37*
Surr: 4-Terphenyl-d14	*62.5*		*40-135*	*%REC*	*1*	*13-Mar-2024 16:37*
Surr: Nitrobenzene-d5	*86.8*		*45-142*	*%REC*	*1*	*13-Mar-2024 16:37*

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

ALS Houston, US

Date: 14-Mar-24

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4C06004
WorkOrder: HS24030429

Batch ID: 208713 **Start Date:** 12 Mar 2024 14:00 **End Date:** 12 Mar 2024 14:00
Method: SW3511 **Prep Code:** 3511_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24030429-01		32.15 (mL)	2 (mL)	0.06221	40 mL Amber
HS24030429-02		32.7 (mL)	2 (mL)	0.06116	40 mL Amber

ALS Houston, US Date: 14-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C06004
WorkOrder: HS24030429

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 208713 (0)	**Test Name :** LOW-LEVEL PAHS - 8270D				**Matrix:** Water	
HS24030429-01	4C06004-02	05 Mar 2024 15:06		12 Mar 2024 14:00	13 Mar 2024 16:17	1
HS24030429-02	4C06004-03	05 Mar 2024 13:46		12 Mar 2024 14:00	13 Mar 2024 16:37	1

ALS Houston, US Date: 14-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C06004
WorkOrder: HS24030429

QC BATCH REPORT

Batch ID: 208713 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

MBLK Sample ID: **MBLK-208713** Units: **ug/L** Analysis Date: **13-Mar-2024 14:55**
Client ID: Run ID: **SV-6_461297** SeqNo: **7887458** PrepDate: **12-Mar-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1-Methylnaphthalene	ND	0.100							
2-Methylnaphthalene	ND	0.100							
Acenaphthene	ND	0.100							
Acenaphthylene	ND	0.100							
Anthracene	ND	0.100							
Benz(a)anthracene	ND	0.100							
Benzo(a)pyrene	ND	0.100							
Benzo(b)fluoranthene	ND	0.100							
Benzo(g,h,i)perylene	ND	0.100							
Benzo(k)fluoranthene	ND	0.100							
Chrysene	ND	0.100							
Dibenz(a,h)anthracene	ND	0.100							
Fluoranthene	ND	0.100							
Fluorene	ND	0.100							
Indeno(1,2,3-cd)pyrene	ND	0.100							
Naphthalene	ND	0.100							
Phenanthrene	ND	0.100							
Pyrene	ND	0.100							
Surr: 2-Fluorobiphenyl	*2.622*	*0.100*	*3.03*	*0*	*86.5*	*32 - 130*			
Surr: 4-Terphenyl-d14	*1.917*	*0.100*	*3.03*	*0*	*63.3*	*40 - 135*			
Surr: Nitrobenzene-d5	*2.936*	*0.100*	*3.03*	*0*	*96.9*	*45 - 142*			

ALS Houston, US Date: 14-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C06004
WorkOrder: HS24030429

QC BATCH REPORT

Batch ID: 208713 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCS Sample ID: **LCS-208713** Units: **ug/L** Analysis Date: **13-Mar-2024 15:16**
Client ID: Run ID: **SV-6_461297** SeqNo: **7887459** PrepDate: **12-Mar-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.74	0.100	3.03	0	123	40 - 140				
2-Methylnaphthalene	3.326	0.100	3.03	0	110	40 - 140				
Acenaphthene	3.973	0.100	3.03	0	131	40 - 140				
Acenaphthylene	3.931	0.100	3.03	0	130	40 - 140				
Anthracene	4.003	0.100	3.03	0	132	40 - 140				
Benz(a)anthracene	3.884	0.100	3.03	0	128	40 - 140				
Benzo(a)pyrene	3.535	0.100	3.03	0	117	40 - 140				
Benzo(b)fluoranthene	3.807	0.100	3.03	0	126	40 - 140				
Benzo(g,h,i)perylene	3.38	0.100	3.03	0	112	40 - 140				
Benzo(k)fluoranthene	3.611	0.100	3.03	0	119	40 - 140				
Chrysene	3.374	0.100	3.03	0	111	40 - 140				
Dibenz(a,h)anthracene	4.069	0.100	3.03	0	134	40 - 140				
Fluoranthene	4.121	0.100	3.03	0	136	40 - 140				
Fluorene	3.878	0.100	3.03	0	128	40 - 140				
Indeno(1,2,3-cd)pyrene	3.854	0.100	3.03	0	127	40 - 140				
Naphthalene	3.324	0.100	3.03	0	110	40 - 140				
Phenanthrene	3.939	0.100	3.03	0	130	40 - 140				
Pyrene	3.259	0.100	3.03	0	108	40 - 140				
Surr: 2-Fluorobiphenyl	*2.364*	*0.100*	*3.03*	*0*	*78.0*	*32 - 130*				
Surr: 4-Terphenyl-d14	*1.836*	*0.100*	*3.03*	*0*	*60.6*	*40 - 135*				
Surr: Nitrobenzene-d5	*2.823*	*0.100*	*3.03*	*0*	*93.2*	*45 - 142*				

ALS Houston, US Date: 14-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C06004
WorkOrder: HS24030429

QC BATCH REPORT

Batch ID: 208713 (0) **Instrument: SV-6** **Method: LOW-LEVEL PAHS - 8270D**

LCSD Sample ID: **LCSD-208713** Units: **ug/L** Analysis Date: **13-Mar-2024 15:36**
Client ID: Run ID: **SV-6_461297** SeqNo: **7887460** PrepDate: **12-Mar-2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.804	0.100	3.03	0	126	40 - 140	3.74	1.71	25	
2-Methylnaphthalene	3.352	0.100	3.03	0	111	40 - 140	3.326	0.782	25	
Acenaphthene	3.892	0.100	3.03	0	128	40 - 140	3.973	2.07	25	
Acenaphthylene	3.961	0.100	3.03	0	131	40 - 140	3.931	0.766	25	
Anthracene	3.953	0.100	3.03	0	130	40 - 140	4.003	1.26	25	
Benz(a)anthracene	3.971	0.100	3.03	0	131	40 - 140	3.884	2.23	25	
Benzo(a)pyrene	3.168	0.100	3.03	0	105	40 - 140	3.535	11	25	
Benzo(b)fluoranthene	3.406	0.100	3.03	0	112	40 - 140	3.807	11.1	25	
Benzo(g,h,i)perylene	3.178	0.100	3.03	0	105	40 - 140	3.38	6.18	25	
Benzo(k)fluoranthene	3.483	0.100	3.03	0	115	40 - 140	3.611	3.63	25	
Chrysene	3.705	0.100	3.03	0	122	40 - 140	3.374	9.36	25	
Dibenz(a,h)anthracene	3.874	0.100	3.03	0	128	40 - 140	4.069	4.9	25	
Fluoranthene	4.073	0.100	3.03	0	134	40 - 140	4.121	1.18	25	
Fluorene	3.894	0.100	3.03	0	129	40 - 140	3.878	0.402	25	
Indeno(1,2,3-cd)pyrene	3.362	0.100	3.03	0	111	40 - 140	3.854	13.6	25	
Naphthalene	3.389	0.100	3.03	0	112	40 - 140	3.324	1.95	25	
Phenanthrene	3.668	0.100	3.03	0	121	40 - 140	3.939	7.12	25	
Pyrene	3.472	0.100	3.03	0	115	40 - 140	3.259	6.32	25	
Surr: 2-Fluorobiphenyl	*2.906*	*0.100*	*3.03*	*0*	*95.9*	*32 - 130*	*2.364*	*20.6*	*25*	
Surr: 4-Terphenyl-d14	*1.961*	*0.100*	*3.03*	*0*	*64.7*	*40 - 135*	*1.836*	*6.58*	*25*	
Surr: Nitrobenzene-d5	*3.031*	*0.100*	*3.03*	*0*	*100*	*45 - 142*	*2.823*	*7.09*	*25*	

The following samples were analyzed in this batch: HS24030429-01 HS24030429-02

ALS Houston, US Date: 14-Mar-24

Client: Permian Basin Environmental Lab, LP
Project: 4C06004
WorkOrder: HS24030429

QUALIFIERS, ACRONYMS, UNITS

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

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

ALS Houston, US Date: 14-Mar-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L22-90-R2	31-Mar-2024
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-32	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US Date: 14-Mar-24

Sample Receipt Checklist

Work Order ID: HS24030429 **Date/Time Received:** 08-Mar-2024 16:09

Client Name: Permian Basin Lab **Received by:** Monica Smith

Completed By:	/S/ Monica Smith	08-Mar-2024 17:30	**Reviewed by:**	/S/ Anna Kinchen	12-Mar-2024 10:17
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Water** Carrier name: **Client**

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

Temperature(s)/Thermometer(s):	4.9 uc/4.8 c	IR31
Cooler(s)/Kit(s):	Red	
Date/Time sample(s) sent to storage:	03/08/2024 1731	

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

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name: PBEL

Job ID:24030701

03/07/2024 Permian Basin Environme AMS

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #:

Telephone No: 432-661-4184

Fax No:

Report Format: X Standa NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

ORDER #:

HS24030429

Permian Basin Environmental Lab, LP

4C06004

LAB # (lab use only)	Sample ID	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: ICE	HNO_3 250 poly 2	HCl 3 40mL VOA	H_2SO_4 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	$Na_2S_2O_3$	NONE 500 POLY	NONE 3 AMBER VOAA VIALS	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	8270C PAH LL				24 HOUR RUSH	STANDARD
01AC	4C06004-02			3/5/2024	15:06		3	X							X	W	X					X
02AC	4C06004-03			3/5/2024	13:46		3	X							X	W	X					X

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	3/6/24	17:00	FedEx		
FedEx	3/7/24				
			Received by:	3/7/24	1115

03/08/24 1500

Laboratory Comments:

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Labels on container(s) Y N

Custody seals on container(s) Y N

Custody seals on cooler(s) Y N

Sample Hand Delivered Y N

by Sampler/Client Rep.? Y N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt:

Received: 4.9 °C

Adjusted: 4.9 °C

Red one. DUP #33 CF -.4

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

PBELAB

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: Kimbrough (Kim)

Project Number: SRS#2000-10757

Location: Lea County,NM

Lab Order Number: 4F05018

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 06/19/24

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	4F05018-01	Water	06/05/24 11:20	06-05-2024 16:18
MW-18	4F05018-02	Water	06/05/24 11:45	06-05-2024 16:18
MW-16	4F05018-03	Water	06/05/24 11:02	06-05-2024 16:18
MW-1A	4F05018-04	Water	06/05/24 12:15	06-05-2024 16:18
MW-7A	4F05018-05	Water	06/05/24 11:26	06-05-2024 16:18
MW-19	4F05018-06	Water	06/05/24 12:34	06-05-2024 16:18
MW-8A	4F05018-07	Water	06/05/24 12:07	06-05-2024 16:18

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-17

4F05018-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/06/24 22:06*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.4 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/06/24 22:06*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 22:06	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 22:06	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-18

4F05018-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.8 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/06/24 22:28*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.4 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/06/24 22:28*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 22:28	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 22:28	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-16

4F05018-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:50	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:50	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:50	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:50	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 22:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/06/24 22:50*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.0 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/06/24 22:50*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 22:50	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 22:50	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-1A

4F05018-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:12	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:12	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:12	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:12	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/06/24 23:12*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.2 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/06/24 23:12*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 23:12	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 23:12	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-7A

4F05018-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/06/24 23:34*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.1 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/06/24 23:34*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 23:34	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 23:34	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-19

4F05018-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/06/24 23:57*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.8 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/06/24 23:57*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 23:57	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/06/24 23:57	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-8A

4F05018-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Ethylbenzene	**0.00145**	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Xylene (p/m)	**0.00319**	0.00200	mg/L	1	P4F0606	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Xylene (o)	**0.00108**	0.00100	mg/L	1	P4F0606	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.4 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/07/24 00:19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.3 %*	*80-120*		*P4F0606*	*06/06/24 11:56*	*06/07/24 00:19*	*EPA 8021B*	
Total BTEX	**0.00572**	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/07/24 00:19	EPA 8021B	
Xylenes (total)	**0.00427**	0.00100	mg/L	1	[CALC]	06/06/24 11:56	06/07/24 00:19	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4F0606 - * DEFAULT PREP *** **										
Blank (P4F0606-BLK1)				Prepared & Analyzed: 06/06/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.124*		"	*0.120*		*104*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*93.8*	*80-120*			
LCS (P4F0606-BS1)				Prepared & Analyzed: 06/06/24						
Benzene	0.116	0.00100	mg/L	0.100		116	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.124*		"	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*99.0*	*80-120*			
LCS Dup (P4F0606-BSD1)				Prepared & Analyzed: 06/06/24						
Benzene	0.111	0.00100	mg/L	0.100		111	80-120	3.99	20	
Toluene	0.106	0.00100	"	0.100		106	80-120	5.04	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	2.33	20	
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120	2.82	20	
Xylene (o)	0.102	0.00100	"	0.100		102	80-120	5.23	20	
Surrogate: 4-Bromofluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		"	*0.120*		*103*	*80-120*			
Calibration Blank (P4F0606-CCB1)				Prepared & Analyzed: 06/06/24						
Benzene	0.160		ug/l							
Toluene	0.430		"							
Ethylbenzene	0.410		"							
Xylene (p/m)	1.51		"							
Xylene (o)	0.410		"							
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.6*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4F0606 - * DEFAULT PREP *** **										
Calibration Blank (P4F0606-CCB2)				Prepared & Analyzed: 06/06/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.310		"							
Xylene (p/m)	0.880		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*97.1*	*80-120*			
Calibration Check (P4F0606-CCV1)				Prepared & Analyzed: 06/06/24						
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		118	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.9*	*80-120*			
Calibration Check (P4F0606-CCV2)				Prepared & Analyzed: 06/06/24						
Benzene	0.116	0.00100	mg/L	0.100		116	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Calibration Check (P4F0606-CCV3)				Prepared: 06/06/24 Analyzed: 06/07/24						
Benzene	0.120	0.00100	mg/L	0.100		120	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.0*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4F0606 - * DEFAULT PREP *** **										
Matrix Spike (P4F0606-MS1)	**Source: 4F05017-01**			Prepared: 06/06/24 Analyzed: 06/07/24						
Benzene	0.124	0.00100	mg/L	0.100	ND	124	80-120			QM-05
Toluene	0.116	0.00100	"	0.100	ND	116	80-120			
Ethylbenzene	0.124	0.00100	"	0.100	ND	124	80-120			QM-05
Xylene (p/m)	0.239	0.00200	"	0.200	0.00105	119	80-120			
Xylene (o)	0.110	0.00100	"	0.100	ND	110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Matrix Spike Dup (P4F0606-MSD1)	**Source: 4F05017-01**			Prepared: 06/06/24 Analyzed: 06/07/24						
Benzene	0.122	0.00100	mg/L	0.100	ND	122	80-120	2.04	20	QM-05
Toluene	0.113	0.00100	"	0.100	ND	113	80-120	2.20	20	
Ethylbenzene	0.122	0.00100	"	0.100	ND	122	80-120	2.17	20	QM-05
Xylene (p/m)	0.232	0.00200	"	0.200	0.00105	116	80-120	2.63	20	
Xylene (o)	0.106	0.00100	"	0.100	ND	106	80-120	3.20	20	
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Notes and Definitions

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

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

Brent Barron, Laboratory Director/Technical Director

Talon LPE	Project:	Kimbrough (Kim)
2901 S. State Hwy 349	Project Number:	SRS#2000-10757
Midland TX, 79706	Project Manager:	David Adkins

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

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

Project Name: Kimbrough (Kim)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2000-10757
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only) **ORDER #:** 4F05018

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-17			6-5-24	11:20		3	3		3						GW			X		X
2	MW-18			6-5-24	11:45		3	3		3						GW			X		X
3	MW-16			6-5-24	11:02		3	3		3						GW			X		X
4	MW-1A			6-5-24	12:15		3	3		3						GW			X		X
5	MW-7A			6-5-24	11:26		3	3		3						GW			X		X
6	MW-19			6-5-24	12:34		3	3		3						GW			X		X
7	MW-8A			6-5-24	12:07		3	3		3						GW			X		X

TCLP:
TOTAL:

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

	Date	Time		Date	Time
Relinquished by: Kayla Taylor	6-5-24	16:18	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by PBEL: Tasha Blidson	6/5/24	16:18

Laboratory Comments:

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

Temperature Upon Receipt:
Received: 4.3 °C Thermometer: NCF 03
Adjusted: °C Factor:

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

Page __ of __

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

PBELAB

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: Kimbrough (Kim)

Project Number: SRS#2000-10757

Location: Lea County,NM

Lab Order Number: 4I09012

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 09/17/24

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-7A	4I09012-01	Water	09/06/24 09:59	09-06-2024 15:55
MW-8A	4I09012-02	Water	09/06/24 10:46	09-06-2024 15:55
MW-14	4I09012-03	Water	09/06/24 12:25	09-06-2024 15:55
MW-15	4I09012-04	Water	09/06/24 11:48	09-06-2024 15:55
MW-17	4I09012-05	Water	09/06/24 09:36	09-06-2024 15:55
MW-18	4I09012-06	Water	09/06/24 10:28	09-06-2024 15:55
MW-16	4I09012-07	Water	09/06/24 10:56	09-06-2024 15:55
MW-19	4I09012-08	Water	09/06/24 11:16	09-06-2024 15:55

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-7A

4I09012-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*117 %*	*80-120*		*P4I0910*	*09/09/24 13:57*	*09/10/24 10:36*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P4I0910*	*09/09/24 13:57*	*09/10/24 10:36*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/09/24 13:57	09/10/24 10:36	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/09/24 13:57	09/10/24 10:36	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-8A

4I09012-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Ethylbenzene	**0.00250**	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Xylene (p/m)	**0.00398**	0.00200	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Xylene (o)	**0.00128**	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*118 %*	*80-120*		*P4I0910*	*09/09/24 13:57*	*09/10/24 10:56*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*102 %*	*80-120*		*P4I0910*	*09/09/24 13:57*	*09/10/24 10:56*	*EPA 8021B*	
Total BTEX	**0.00776**	0.00100	mg/L	1	[CALC]	09/09/24 13:57	09/10/24 10:56	EPA 8021B	
Xylenes (total)	**0.00526**	0.00100	mg/L	1	[CALC]	09/09/24 13:57	09/10/24 10:56	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-14

4I09012-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I0910	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*123 %*	*80-120*		*P4I0910*	*09/09/24 13:57*	*09/10/24 11:17*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*102 %*	*80-120*		*P4I0910*	*09/09/24 13:57*	*09/10/24 11:17*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/09/24 13:57	09/10/24 11:17	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/09/24 13:57	09/10/24 11:17	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-15

4I09012-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 16:40	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 16:40	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 16:40	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 16:40	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 16:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.3 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 16:40*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.2 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 16:40*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 16:40	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 16:40	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-17

4I09012-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 17:02*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.2 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 17:02*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 17:02	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 17:02	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-18

4I09012-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:24	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:24	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:24	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:24	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.8 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 17:24*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*87.8 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 17:24*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 17:24	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 17:24	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-16

4I09012-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:46	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:46	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:46	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:46	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 17:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 17:46*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.3 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 17:46*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 17:46	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 17:46	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-19

4I09012-08 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:08	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:08	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:08	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:08	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I1106	09/11/24 13:36	09/11/24 18:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.9 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 18:08*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.1 %*	*80-120*		*P4I1106*	*09/11/24 13:36*	*09/11/24 18:08*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 18:08	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	09/11/24 13:36	09/11/24 18:08	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I0910 - * DEFAULT PREP *** **										
Blank (P4I0910-BLK1)				Prepared: 09/09/24 Analyzed: 09/10/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	0.00195	0.00100	"							B-13
Xylene (p/m)	0.00270	0.00200	"							B-13
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.157*		"	*0.120*		*131*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.8*	*80-120*			
LCS (P4I0910-BS1)				Prepared: 09/09/24 Analyzed: 09/10/24						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		112	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.145*		"	*0.120*		*120*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.120*		*100*	*80-120*			
LCS Dup (P4I0910-BSD1)				Prepared: 09/09/24 Analyzed: 09/10/24						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120	3.99	20	
Toluene	0.107	0.00100	"	0.100		107	80-120	3.27	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	3.72	20	
Xylene (p/m)	0.233	0.00200	"	0.200		116	80-120	4.14	20	
Xylene (o)	0.116	0.00100	"	0.100		116	80-120	7.57	20	
Surrogate: 4-Bromofluorobenzene	*0.150*		"	*0.120*		*125*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			
Calibration Blank (P4I0910-CCB1)				Prepared: 09/09/24 Analyzed: 09/10/24						
Benzene	0.390		ug/l							
Toluene	0.530		"							
Ethylbenzene	2.11		"							B-13
Xylene (p/m)	3.00		"							B-13
Xylene (o)	0.960		"							
Surrogate: 4-Bromofluorobenzene	*0.158*		"	*0.120*		*132*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.2*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I0910 - * DEFAULT PREP *** **										
Calibration Blank (P4I0910-CCB2)				Prepared: 09/09/24 Analyzed: 09/10/24						
Benzene	0.150		ug/l							
Toluene	0.280		"							
Ethylbenzene	1.32		"							B-13
Xylene (p/m)	1.76		"							
Xylene (o)	0.640		"							
Surrogate: 4-Bromofluorobenzene	*0.153*		*"*	*0.120*		*127*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Calibration Check (P4I0910-CCV1)				Prepared: 09/09/24 Analyzed: 09/10/24						
Benzene	0.120	0.00100	mg/L	0.100		120	80-120			
Toluene	0.115	0.00100	"	0.100		115	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.229	0.00200	"	0.200		115	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.146*		*"*	*0.120*		*122*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Calibration Check (P4I0910-CCV2)				Prepared: 09/09/24 Analyzed: 09/10/24						
Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		107	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.136*		*"*	*0.120*		*113*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.120*		*104*	*80-120*			
Calibration Check (P4I0910-CCV3)				Prepared: 09/09/24 Analyzed: 09/10/24						
Benzene	0.115	0.00100	mg/L	0.100		115	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	*0.133*		*"*	*0.120*		*111*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I0910 - * DEFAULT PREP *** **										
Matrix Spike (P4I0910-MS1)	**Source: 4I06006-01**			Prepared: 09/09/24 Analyzed: 09/10/24						
Benzene	0.0846	0.00100	mg/L	0.100	0.00131	83.3	80-120			
Toluene	0.0848	0.00100	"	0.100	0.000570	84.3	80-120			
Ethylbenzene	0.0881	0.00100	"	0.100	0.00249	85.6	80-120			
Xylene (p/m)	0.173	0.00200	"	0.200	0.00168	85.6	80-120			
Xylene (o)	0.0837	0.00100	"	0.100	ND	83.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		"	*0.120*		*102*	*80-120*			
Matrix Spike Dup (P4I0910-MSD1)	**Source: 4I06006-01**			Prepared: 09/09/24 Analyzed: 09/10/24						
Benzene	0.125	0.00100	mg/L	0.100	0.00131	123	80-120	38.7	20	R3
Toluene	0.113	0.00100	"	0.100	0.000570	113	80-120	28.8	20	R3
Ethylbenzene	0.117	0.00100	"	0.100	0.00249	115	80-120	29.2	20	R3
Xylene (p/m)	0.239	0.00200	"	0.200	0.00168	119	80-120	32.5	20	R3
Xylene (o)	0.122	0.00100	"	0.100	ND	122	80-120	37.6	20	R3
Surrogate: 4-Bromofluorobenzene	*0.126*		"	*0.120*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.2*	*80-120*			
Batch P4I1106 - * DEFAULT PREP *** **										
Blank (P4I1106-BLK1)				Prepared & Analyzed: 09/11/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		"	*0.120*		*88.1*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I1106 - * DEFAULT PREP *** **										
LCS (P4I1106-BS1)				Prepared & Analyzed: 09/11/24						
Benzene	0.103	0.00100	mg/L	0.100		103	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.108*		"	*0.120*		*90.0*	*80-120*			
LCS Dup (P4I1106-BSD1)				Prepared & Analyzed: 09/11/24						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120	0.880	20	
Toluene	0.110	0.00100	"	0.100		110	80-120	1.01	20	
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120	3.41	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	1.47	20	
Xylene (o)	0.108	0.00100	"	0.100		108	80-120	1.38	20	
Surrogate: 4-Bromofluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		"	*0.120*		*91.4*	*80-120*			
Calibration Blank (P4I1106-CCB1)				Prepared & Analyzed: 09/11/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.118*		"	*0.120*		*98.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.105*		"	*0.120*		*87.3*	*80-120*			
Calibration Blank (P4I1106-CCB2)				Prepared & Analyzed: 09/11/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.106*		"	*0.120*		*88.7*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4I1106 - * DEFAULT PREP *** **										
Calibration Check (P4I1106-CCV1)				Prepared & Analyzed: 09/11/24						
Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.5*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.110*		"	*0.120*		*91.3*	*80-120*			
Calibration Check (P4I1106-CCV2)				Prepared & Analyzed: 09/11/24						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.111*		"	*0.120*		*92.6*	*80-120*			
Calibration Check (P4I1106-CCV3)				Prepared: 09/11/24 Analyzed: 09/12/24						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*93.9*	*80-120*			
Matrix Spike (P4I1106-MS1)	**Source: 4I09012-04**			Prepared: 09/11/24 Analyzed: 09/12/24						
Benzene	0.106	0.00100	mg/L	0.100	ND	106	80-120			
Toluene	0.109	0.00100	"	0.100	ND	109	80-120			
Ethylbenzene	0.120	0.00100	"	0.100	ND	120	80-120			
Xylene (p/m)	0.243	0.00200	"	0.200	ND	121	80-120			QM-05
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.112*		"	*0.120*		*93.5*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

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

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
pH1	The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.
NPBEL C(	Chain of Custody was not generated at PBELAB
B-13	A common laboratory contaminant was above the RL in the blank
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 9/17/2024

Brent Barron, Laboratory Director/Technical Director

Talon LPE	Project:	Kimbrough (Kim)
2901 S. State Hwy 349	Project Number:	SRS#2000-10757
Midland TX, 79706	Project Manager:	David Adkins

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

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

Project Name: Kimbrough (Kim)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2000-10757
Fax No: _____
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)
ORDER #: 4I09012

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Othe	Analyze For: TCLP: TPH: TX 1005 TX 1006	TOTAL: Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-7A			9-6-24	0959		3	3		3						GW			X		X
2	MW-8A			9-6-24	1046		3	3		3						GW			X		X
3	MW-14			9-6-24	1225		3	3		3						GW			X		X
4	MW-15			9-6-24	1148		3	3		3						GW			X		X
5	MW-17			9-6-24	0936		3	3		3						GW			X		X
6	MW-18			9-6-24	1028		3	3		3						GW			X		X
7	MW-16			9-6-24	1056		3	3		3						GW			X		X
8	MW-19			9-6-24	1116		3	3		3						GW			X		X

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

Relinquished by: Kayla Sayler	Date 9-6-24	Time 1555	Received by:		Date	Time
Relinquished by:	Date	Time	Received by:		Date	Time
Relinquished by:	Date	Time	Received by PBEL: Brian Barron		Date 9/6/24	Time 1555

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: L3
Received: 6 °C Thermometer:
Adjusted: 6 °C Factor: NCF

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

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

PBELAB

Analytical Report

Prepared for:

David Adkins

Talon LPE

2901 S. State Hwy 349

Midland, TX 79706

Project: Kimbrough (Kim)

Project Number: SRS#2000-10757

Location: Lea County,NM

Lab Order Number: 4L10014

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 12/13/24

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-17	4L10014-01	Water	12/06/24 13:32	12-10-2024 15:17
MW-18	4L10014-02	Water	12/06/24 13:57	12-10-2024 15:17
MW-16	4L10014-03	Water	12/06/24 14:17	12-10-2024 15:17
MW-7A	4L10014-04	Water	12/06/24 11:06	12-10-2024 15:17
MW-19	4L10014-05	Water	12/06/24 12:12	12-10-2024 15:17
MW-9A	4L10014-06	Water	12/06/24 12:42	12-10-2024 15:17
MW-8A	4L10014-07	Water	12/06/24 11:45	12-10-2024 15:17
MW-6A	4L10014-08	Water	12/06/24 13:06	12-10-2024 15:17

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-17

4L10014-01 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*80.0 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 18:42*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 18:42*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 18:42	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 18:42	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-18

4L10014-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*78.1 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 19:04*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 19:04*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 19:04	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 19:04	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-16

4L10014-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*80.2 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 19:25*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*102 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 19:25*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 19:25	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 19:25	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-7A

4L10014-04 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*80.4 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 19:47*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 19:47*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 19:47	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 19:47	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-19

4L10014-05 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*80.2 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 20:09*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 20:09*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 20:09	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 20:09	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-9A

4L10014-06 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.00237**	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Toluene	**0.00224**	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Ethylbenzene	**0.00186**	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Xylene (p/m)	**0.00345**	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Xylene (o)	**0.00164**	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*80.2 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 20:31*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*102 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 20:31*	*EPA 8021B*	
Total BTEX	**0.0116**	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 20:31	EPA 8021B	
Xylenes (total)	**0.00509**	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 20:31	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-8A

4L10014-07 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*80.5 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 20:53*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 20:53*	*EPA 8021B*	
Total BTEX	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 20:53	EPA 8021B	
Xylenes (total)	ND	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 20:53	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

MW-6A

4L10014-08 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	**0.0881**	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Ethylbenzene	**0.0470**	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Xylene (p/m)	**0.0338**	0.00200	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Xylene (o)	**0.0128**	0.00100	mg/L	1	P4L1108	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*76.7 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 21:15*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*107 %*	*80-120*		*P4L1108*	*12/11/24 15:07*	*12/11/24 21:15*	*EPA 8021B*	
Total BTEX	**0.182**	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 21:15	EPA 8021B	
Xylenes (total)	**0.0466**	0.00100	mg/L	1	[CALC]	12/11/24 15:07	12/11/24 21:15	EPA 8021B	

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4L1108 - * DEFAULT PREP *** **										
Blank (P4L1108-BLK1)				Prepared & Analyzed: 12/11/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.0970*		*"*	*0.120*		*80.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
LCS (P4L1108-BS1)				Prepared & Analyzed: 12/11/24						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120			
Xylene (o)	0.0998	0.00100	"	0.100		99.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.101*		*"*	*0.120*		*84.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.133*		*"*	*0.120*		*111*	*80-120*			
LCS Dup (P4L1108-BSD1)				Prepared & Analyzed: 12/11/24						
Benzene	0.0955	0.00100	mg/L	0.100		95.5	80-120	8.82	20	
Toluene	0.0912	0.00100	"	0.100		91.2	80-120	9.27	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120	9.55	20	
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120	8.69	20	
Xylene (o)	0.0912	0.00100	"	0.100		91.2	80-120	9.04	20	
Surrogate: 4-Bromofluorobenzene	*0.101*		*"*	*0.120*		*84.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.133*		*"*	*0.120*		*110*	*80-120*			
Calibration Blank (P4L1108-CCB1)				Prepared & Analyzed: 12/11/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.200		"							
Xylene (p/m)	0.230		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.0962*		*"*	*0.120*		*80.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4L1108 - * DEFAULT PREP *** **										
Calibration Blank (P4L1108-CCB2)				Prepared & Analyzed: 12/11/24						
Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.180		"							
Xylene (p/m)	0.290		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.0964*		*"*	*0.120*		*80.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.4*	*80-120*			
Calibration Check (P4L1108-CCV1)				Prepared & Analyzed: 12/11/24						
Benzene	0.100	0.00100	mg/L	0.100		100	80-120			
Toluene	0.0972	0.00100	"	0.100		97.2	80-120			
Ethylbenzene	0.0975	0.00100	"	0.100		97.5	80-120			
Xylene (p/m)	0.210	0.00200	"	0.200		105	80-120			
Xylene (o)	0.0963	0.00100	"	0.100		96.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0984*		*"*	*0.120*		*82.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.129*		*"*	*0.120*		*108*	*80-120*			
Calibration Check (P4L1108-CCV2)				Prepared & Analyzed: 12/11/24						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.0978	0.00100	"	0.100		97.8	80-120			
Ethylbenzene	0.0972	0.00100	"	0.100		97.2	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200		108	80-120			
Xylene (o)	0.0978	0.00100	"	0.100		97.8	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0976*		*"*	*0.120*		*81.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
Calibration Check (P4L1108-CCV3)				Prepared: 12/11/24 Analyzed: 12/12/24						
Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.0998	0.00100	"	0.100		99.8	80-120			
Ethylbenzene	0.0992	0.00100	"	0.100		99.2	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.0989	0.00100	"	0.100		98.9	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0948*		*"*	*0.120*		*79.0*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4L1108 - * DEFAULT PREP *** **										
Matrix Spike (P4L1108-MS1)	**Source: 4L10013-01**			Prepared: 12/11/24 Analyzed: 12/12/24						
Benzene	0.105	0.00100	mg/L	0.100	ND	105	80-120			
Toluene	0.0996	0.00100	"	0.100	ND	99.6	80-120			
Ethylbenzene	0.111	0.00100	"	0.100	0.000880	110	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200	ND	110	80-120			
Xylene (o)	0.0977	0.00100	"	0.100	ND	97.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.0975*		*"*	*0.120*		*81.3*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.131*		*"*	*0.120*		*110*	*80-120*			
Matrix Spike Dup (P4L1108-MSD1)	**Source: 4L10013-01**			Prepared: 12/11/24 Analyzed: 12/12/24						
Benzene	0.104	0.00100	mg/L	0.100	ND	104	80-120	0.985	20	
Toluene	0.0993	0.00100	"	0.100	ND	99.3	80-120	0.292	20	
Ethylbenzene	0.111	0.00100	"	0.100	0.000880	111	80-120	0.118	20	
Xylene (p/m)	0.220	0.00200	"	0.200	ND	110	80-120	0.123	20	
Xylene (o)	0.0971	0.00100	"	0.100	ND	97.1	80-120	0.575	20	
Surrogate: 4-Bromofluorobenzene	*0.0958*		*"*	*0.120*		*79.8*	*80-120*			*S-GC*
Surrogate: 1,4-Difluorobenzene	*0.130*		*"*	*0.120*		*109*	*80-120*			

Talon LPE	Project: Kimbrough (Kim)
2901 S. State Hwy 349	Project Number: SRS#2000-10757
Midland TX, 79706	Project Manager: David Adkins

Notes and Definitions

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

Report Approved By: Brent Barron Date: 12/13/2024

Brent Barron, Laboratory Director/Technical Director

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

L: _____ CH: _____ W: _____

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

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

Project Name: Kimbrough (Kim)
Project #: Plains All American Pipeline
Project Loc: Lea County, NM
PO #: SRS# 2000-10757
Report Format: ☐ Standard ☐ TRRP ☐ NPDES
e-mail: dadkins@talonlpe.com, mgomez@talonlpe.com

(lab use only)
ORDER #: 4L10014

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW=Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: TX 1005 TX 1006	Anions (Cl, SO4, Alkalinity)	BTEX 8021B/5030 or BTEX 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 h	Standard TAT
1	MW-17			12-6-24	1:32		3	3		3						GW			X		X
2	MW-18			12-6-24	1:57		3	3		3						GW			X		X
3	MW-16			12-6-24	2:17		3	3		3						GW			X		X
4	MW-7A			12-6-24	11:06		3	3		3						GW			X		X
5	MW-19			12-6-24	12:12		3	3		3						GW			X		X
6	MW-9A			12-6-24	12:42		3	3		3						GW			X		X
7	MW-8A			12-6-24	11:45		3	3		3						GW			X		X
8	MW-6A			12-6-24	1:06		3	3		3						GW			X		X

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

Relinquished by:	Date	Time	Received by:	Date	Time
Bartlett Medley	12-9-24	2:47	Matthew Beasley	12/9/24	2:47
Relinquished by: Matthew Beasley	Date	Time	Received by:	Date 12/10/24	Time 2:30
Relinquished by:	Date	Time	Received by PBEL: Melissa Bledsoe	Date 12/10/24	Time 15:17

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep. ? Y N
by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt:
Received: 4.5 °C Thermometer: NC 03
Adjusted: °C Factor:

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

Page 1 of 1

APPENDIX D

New Mexico Well Record and Logs and New Mexico Plugging Reports

SOIL BORING / MONITORING WELL LOG

PROJECT: Kimbrough Sweet 8"
PROJECT NUMBER: 700376.050.31
CLIENT: Plains Marketing, L.P.
BORING / WELL NUMBER: MW-5A
TOTAL DEPTH: 85'
SURFACE ELEVATION:
GEOLOGIST: David Adkins
LATITUDE: 32.780047

DRILLING COMPANY: Talon/LPE
DRILLER: Jose Salas
DRILLING METHOD:
BORE HOLE DIAMETER:
SCREEN: Diam. 2" Length 20' Slot Size 0.10
CASING: Diam. 2" Length 51' Type PVC
DATE DRILLED: September 11, 2024
LONGITUDE: -103.238976

PAGE 1 of 1

DEPTH (FT.)	USCS	Soil Symbol	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DEPTH (FT)
0									
							5'		
	SP							10% Claiche, 40% Sand, 50% Silt, 7.5YR 6/2 Pinkish Gray, Sandy Silty With Caliche, No Odor, Dry	
	SP							10% Clay, 30% Coarse Sand, 60% Caliche, 7.5YR 5/1 Gray, Coarse Silty Sandy, Clayey With Caliche, Strong Odor, Dry	
20	SP							5% Caliche, 15% Clay, 40% Sand, 40% Silt, 5R 3/3 Dusky Red, Silty Sandy Clayey With Caliche, Strong Odor, Dry	
	SP							40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand	
40	SP							40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand, Damp	
	SP							40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand, Damp	
60	SP							40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand, Damp	
	SP							40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand, Damp	
80	SP						85'	40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand, Damp	
								Bottom of Hole	
100									
120									

REMARKS:

THIS BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT.

SOIL BORING / MONITORING WELL LOG

PROJECT: Kimbrough Sweet 8"
PROJECT NUMBER: 700376.050.31
CLIENT: Plains Marketing, L.P.
BORING / WELL NUMBER: MW-6A
TOTAL DEPTH: 85'
SURFACE ELEVATION:
GEOLOGIST: David Adkins
LATITUDE: 32.779971

DRILLING COMPANY: Talon/LPE
DRILLER: Jose Salas
DRILLING METHOD:
BORE HOLE DIAMETER:
SCREEN: Diam. 2" Length 20' Slot Size 0.10
CASING: Diam. 2" Length 61' Type PVC
DATE DRILLED: September 11, 2024
LONGITUDE: -103.238884

PAGE 1 of 1

DEPTH (FT.)	USCS	Soil Symbol	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DEPTH (FT)
0									
							5'		
	SP							10% Claiche, 40% Sand, 50% Silt, 7.5YR 6/1 Pinkish Gray, Silty Sand With Caliche, Strong Odor, Dry	
	SP							10% Clay, 30% Coarse Sand, 60% Caliche, 7.5YR 5/1 Gray, Coarse Sandy, Clayey With Caliche, Strong Odor, Dry	
20							20'		
	SC							20% Caliche, 80% Clay, 5R 3/8 Dark Red, Caliche With Clay, Dry	
							30'		
	SP							40% Silt, 60% Sand, 5Y 6/4 Light Red Brown, Damp	
40							40'		
	SP-SM							30% Sand, 70% Silt, 5Y 6/4 Light Reddish Brown, Silty Sand, Damp	
	SP-SM							50% Silt, 50% Sand, 5Y 6/4 Light Reddish Brown, Silty Sand, Odor, Damp	
60									
	SP-SM							50% Silt, 50% Sand, 5Y 6/4 Light Reddish Brown, Silty Sand, Strong Odor, Damp	
	SP-SM							50% Silt, 50% Sand, 5Y 6/4 Light Reddish Brown, Silty Sand, Wet	
80									
	SP-SM							70% Sand, 30% Silt, 5Y 6/4 Light Reddish Brown, Silty Sand, Wet	
							85'		
								Bottom of Hole	
100									
120									

REMARKS:

THIS BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT.

TALON LPE

SOIL BORING / MONITORING WELL LOG

PROJECT: Kimbrough Sweet 8"
PROJECT NUMBER: 700376.050.31
CLIENT: Plains Marketing, L.P.
BORING / WELL NUMBER: MW-9A
TOTAL DEPTH: 85'
SURFACE ELEVATION:
GEOLOGIST: David Adkins
LATITUDE: 32.779874

DRILLING COMPANY: Talon/LPE
DRILLER: Jose Salas
DRILLING METHOD:
BORE HOLE DIAMETER:
SCREEN: Diam. 2" Length 20' Slot Size .010"
CASING: Diam. 2" Length 61' Type PVC
DATE DRILLED: September 16, 2024
LONGITUDE: -103.239112

PAGE 1 of 1

DEPTH (FT.)	USCS	Soil Symbol	WELL CONSTRUCTION	PID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM	DEPTH (FT)
0									
							5'		
	SP-SM						10'	10% Claiche, 40% Sand, 50% Silt, 10YR 6/2 Light Brownish Gray,Silty Sand With Caliche, No Odor, Dry	
	SP							10% Caliche, 10% Silt, 80% Sand, 10YR 7/2 Light Gray, Silty Sand With Caliche, No Odor, Dry	
20							20'		
	SP-SM							50% Silt, 50% Sand, 7.5YR 7/3 Pink, Sandy Silty, No Odor, Dry	
							30'		
	SP							40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Sandy Silty, No Odor, Dry	
40									
	SP							40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Dry, No Odor	
	SP							40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Silty Sand, No Odor, Dry	
60									
	SP							40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Silty Sand, Dry, No Odor	
	SP							40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Silty Sand, Damp, No Odor	
80									
	SP						85'	40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Silty Sand, Damp, No Odor	
								Bottom of Hole	
100									
120									

REMARKS:

THIS BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT.

TALON LPE

KEY TO SYMBOLS

Symbol	Description
Strata symbols	
	Poorly graded sand
	Clayey sand/ Low plasticity clay
	Poorly graded sand with silt
Misc. Symbols	
	Water table at boring completion
Monitor Well Details	
	capped riser with locking cover
	concrete seal
	bentonite pellets
	bentonite slurry
	silica sand, blank PVC
	slotted pipe w/ sand
	endcap on pipe packed in sand
	silica sand, no pipe (end plug)

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD1 (MW-5A)		L-15770

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Plains All American Pipeline, L.P.	(575) 200-5517

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
1106 Griffith Dr.	Midland	Texas	79705

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	46	48	N
	LONGITUDE	-103	14	20.4894	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

QQJ6+295 Hobbs, New Mexico

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1868	Robert A Meyer	Talon/LPE, Ltd.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
09/16/2024	09/16/2024	85	90	~30

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 66

DATE STATIC MEASURED: 09/17/2024

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	65	6.275	Sch 40 PVC	Riser	2	0.25	-
65	85	6.275	Sch 40 PVC	Screen	2	0.25	0.010

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	2	6.275	I/II Portland Cement Pad	0.37	Tremie
2	60	6.275	Grout	10.21	Tremie
60	62	6.275	Bentonite Chip Seal	0.37	Tremie
62	90	6.275	20/40 Filter Pack Sand	5.24	Tremie

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10	10	10% Claiche, 40% Sand, 50% Silt, 7.5YR 6/2 Pinkish Gray, Sandy Silt W/ Caliche, No Odor, Dry	Y ✓ N	
10	20	10	10% Clay, 30% Coarse Sand, 60% Caliche, 7.5YR 5/1 Gray, Coarse Silty Sandy Clay W/Caliche, Strong Odor, Dry	Y ✓ N	
20	30	10	5% Caliche, 15% Clay, 40% Sand, 40% Silt, 5R 3/3 Dusky Red, Silty Sandy Clay W/Caliche, Strong Odor, Dry	Y ✓ N	
30	90	60	40% Silt, 60% Sand, 5YR 6/4 Light Reddish Brown, Silty Sand, Strong Odor, Damp	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm):

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Jose A Salas

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Robert A Meyer — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

10/16/2024 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD2 (MW-6A)		L-15770

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Plains All American Pipeline, L.P.	(575) 200-5517

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
1106 Griffith Dr.	Midland	Texas	79705

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	46	47.8734	N
	LONGITUDE	-103	14	20.1804	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

QQH6+XCM Hobbs, New Mexico

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1868	Robert A Meyer	Talon/LPE, Ltd.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
09/16/2024	09/16/2024	85	90	~30

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 66

DATE STATIC MEASURED: 09/17/2024

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	65	6.275	Sch 40 PVC	Riser	2	0.25	-
65	85	6.275	Sch 40 PVC	Screen	2	0.25	0.010

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	2	6.275	I/II Portland Cement Pad	0.37	Tremie
2	60	6.275	Grout	10.21	Tremie
60	62	6.275	Bentonite Chip Seal	0.37	Tremie
62	90	6.275	20/40 Filter Pack Sand	5.24	Tremie

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10	10	10% Claiche, 40% Sand, 50% Silt, 7.5YR 6/1 Pinkish Gray, Sandy Silt W/Caliche, Strong Odor, Dry	Y ✓ N	
10	20	10	10% Clay, 30% Coarse Sand, 60% Caliche, 7.5YR 5/1 Gray, Coarse Sandy Caliche W/Clay, Strong Odor, Dry	Y ✓ N	
20	30	10	20% Caliche, 80% Clay, 5R 3/8 Dark Red, Clay W/Caliche, Strong Odor, Dry	Y ✓ N	
30	40	10	40% Silt, 60% Sand, 5Y 6/4 Light Red Brown, Silty Sand, Strong Odor, Damp	✓ Y N	
40	50	10	30% Sand, 70% Silt, 5Y 6/4 Light Reddish Brown, Sandy Silt, Strong Odor, Damp	✓ Y N	
50	70	20	50% Silt, 50% Sand, 5Y 6/4 Light Reddish Brown, Silty Sand, Strong Odor, Damp	✓ Y N	
70	80	10	50% Silt, 50% Sand, 5Y 6/4 Light Reddish Brown, Silty Sand, Strong Odor, Wet	✓ Y N	
80	90	10	70% Sand, 30% Silt, 5Y 6/4 Light Reddish Brown, Silty Sand, Strong Odor, Wet	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm):

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Jose A Salas

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Robert A Meyer — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

10/16/2024 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD3 (MW-9A)		L-15770

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Plains All American Pipeline, L.P.	(575) 200-5517

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
1106 Griffith Dr.	Midland	Texas	79705

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	46	47.7078	N
	LONGITUDE	-103	14	21.2136	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

QQH6+X86 Hobbs, New Mexico

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1868	Robert A Meyer	Talon/LPE, Ltd.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
09/16/2024	09/16/2024	85	90	~70

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 66

DATE STATIC MEASURED: 09/17/2024

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	65	6.275	Sch 40 PVC	Riser	2	0.25	-
65	85	6.275	Sch 40 PVC	Screen	2	0.25	0.010

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0	2	6.275	I/II Portland Cement Pad	0.37	Tremie
2	60	6.275	Grout	10.21	Tremie
60	62	6.275	Bentonite Chip Seal	0.37	Tremie
62	90	6.275	20/40 Filter Pack Sand	5.24	Tremie

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10	10	10% Claiche, 40% Sand, 50% Silt, 10YR 6/2 Light Brownish Gray,Sandy Silt W/Caliche, No Odor, Dry	Y ✓ N	
10	20	10	10% Caliche, 10% Silt, 80% Sand, 10YR 7/2 Light Gray, Silty Sand W/Caliche, No Odor, Dry	Y ✓ N	
20	30	10	50% Silt, 50% Sand, 7.5YR 7/3 Pink, Sandy Silty, No Odor, Dry	Y ✓ N	
30	70	40	40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Silty Sand, No Odor, Dry	Y ✓ N	
70	90	20	40% Silt, 60% Sand, 7.5YR 6/4 Light Brown, Silty Sand, Damp, No Odor	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm):

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Jose A Salas

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Robert A Meyer — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

10/16/2024 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2

PLUGGING RECORD

NOTE: **A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: POD_Unkown - (MW-3) (file # Unknown)

Well owner: Plains All American Pipeline, L.P. Phone No.: (575) 200-5517

Mailing address: 1106 Griffith Dr.

City: Midland State: Texas Zip code: 79705

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Talon/LPE, Ltd.

2) New Mexico Well Driller License No.: WD-1868 Expiration Date: 10/06/2024

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Robert A Meyer and Jose A Salas II

4) Date well plugging began: 09/12/2024 Date well plugging concluded: 09/12/2024

5) GPS Well Location: Latitude: 32 deg, 46 min, 48.0318 sec
Longitude: -103 deg, 14 min, 17.1846 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 64 ft below ground level (bgl), by the following manner: Down-Hole Tape

7) Static water level measured at initiation of plugging: N/A ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 06/14/2024

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0' - 64' Bentonite Grout	~10.44	10.44	Tremie	Casing cut off below ground surface

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Robert A Meyer , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

10/15/2024
Date

Version: September 8, 2009
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PLUGGING RECORD

NOTE: **A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: POD_Unkown - (MW-5) (file # Unknown)

Well owner: Plains All American Pipeline, L.P. Phone No.: (575) 200-5517

Mailing address: 1106 Griffith Dr.

City: Midland State: Texas Zip code: 79705

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Talon/LPE, Ltd.

2) New Mexico Well Driller License No.: WD-1868 Expiration Date: 10/06/2024

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Robert A Meyer and Jose A Salas II

4) Date well plugging began: 09/12/2024 Date well plugging concluded: 09/12/2024

5) GPS Well Location: Latitude: 32 deg, 46 min, 47.8992 sec
Longitude: -103 deg, 14 min, 20.418 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 64 ft below ground level (bgl), by the following manner: Down-Hole Tape

7) Static water level measured at initiation of plugging: N/A ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 06/14/2024

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0' - 64' Bentonite Grout	~41.78	41.78	Tremie	Casing cut off below ground surface

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Robert A Meyer , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

10/15/2024
Date

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PLUGGING RECORD

NOTE: **A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: POD_Unkown - (MW-6) (file # Unknown)

Well owner: Plains All American Pipeline, L.P. Phone No.: (575) 200-5517

Mailing address: 1106 Griffith Dr.

City: Midland State: Texas Zip code: 79705

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Talon/LPE, Ltd.

2) New Mexico Well Driller License No.: WD-1868 Expiration Date: 10/06/2024

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Robert A Meyer and Jose A Salas II

4) Date well plugging began: 09/12/2024 Date well plugging concluded: 09/12/2024

5) GPS Well Location: Latitude: 32 deg, 46 min, 47.589 sec
Longitude: -103 deg, 14 min, 20.0898 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 66 ft below ground level (bgl), by the following manner: Down-Hole Tape

7) Static water level measured at initiation of plugging: N/A ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 06/14/2024

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0' - 66' Bentonite Grout	~43.08	43.08	Tremie	Casing cut off below ground surface

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Robert A Meyer , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

10/15/2024
Date

Version: September 8, 2009
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PLUGGING RECORD

NOTE: **A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: POD_Unkown - (MW-9) (file # Unknown)

Well owner: Plains All American Pipeline, L.P. Phone No.: (575) 200-5517

Mailing address: 1106 Griffith Dr.

City: Midland State: Texas Zip code: 79705

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Talon/LPE, Ltd.

2) New Mexico Well Driller License No.: WD-1868 Expiration Date: 10/06/2024

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Robert A Meyer and Jose A Salas II

4) Date well plugging began: 09/12/2024 Date well plugging concluded: 09/12/2024

5) GPS Well Location: Latitude: 32 deg, 46 min, 47.4204 sec
Longitude: -103 deg, 14 min, 21.015 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 64 ft below ground level (bgl), by the following manner: Down-Hole Tape

7) Static water level measured at initiation of plugging: N/A ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 06/14/2024

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0' - 64' Bentonite Grout	~41.78	41.78	Tremie	Casing cut off below ground surface

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Robert A Meyer , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

10/15/2024
Date

Version: September 8, 2009
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PLUGGING RECORD

NOTE: **A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: POD_Unkown - (MW-13) (file # Unknown)

Well owner: Plains All American Pipeline, L.P. Phone No.: (575) 200-5517

Mailing address: 1106 Griffith Dr.

City: Midland State: Texas Zip code: 79705

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Talon/LPE, Ltd.

2) New Mexico Well Driller License No.: WD-1868 Expiration Date: 10/06/2024

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Robert A Meyer and Jose A Salas II

4) Date well plugging began: 09/12/2024 Date well plugging concluded: 09/12/2024

5) GPS Well Location: Latitude: 32 deg, 46 min, 46.6278 sec
Longitude: -103 deg, 14 min, 15.5106 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 68 ft below ground level (bgl), by the following manner: Down-Hole Tape

7) Static water level measured at initiation of plugging: N/A ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 06/14/2024

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0' - 68' Bentonite Grout	~11.1	11.1	Tremie	Casing cut off below ground surface

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Robert A Meyer , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

10/15/2024
Date

Version: September 8, 2009
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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 497616

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 497616
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	Continue to conduct groundwater monitoring on a quarterly schedule for the 2025 calendar year with analyses for BTEX and PAH, in wells that are able to be accessed for groundwater sampling.	9/18/2025
shanna.smith	Continue removal of PSH by monthly MDPE events.	9/18/2025
shanna.smith	Submit the 2025 annual groundwater report to OCD by April 1, 2026.	9/18/2025
shanna.smith	Continue to monitor decreasing ground water levels and replace monitor well/s, accordingly.	9/18/2025