# 2023 ANNUAL GROUNDWATER MONITORING REPORT

## Hugh Gathering Site
## Lea County, New Mexico
## UL-K, Section 11, T21S, R37E
## Plains SRS #2002-10235
## NMOCD No.: AP-0041
## Incident ID: nAPP2108846045

**REVIEWED**
*By Mike Buchanan at 2:17 pm, Jul 02, 2024*

PREPARED FOR

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Review of the 2023 Annual Groundwater Monitoring Report for Hugh Gathering Site, Plains Pipeline: content satisfactory
1. Continue groundwater monitoring for BTEX on a quarterly basis for wells: MW-1 through MW-10.
2 Continue removal of LNAPL in MW-1R, MW-2, MW-4, MW-8, MW-9 and MW-10 on a bimonthly schedule.
3. Continue groundwater sampling downgradient of the site.
4. Continued monitoring for PAH in all appropriate wells.
5. Submit the 2024 groundwater monitoring report to the OCD via electronic submission by April 1, 2025.

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**April 10, 2024**

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# 1.0 INTRODUCTION AND OBJECTIVES

## 1.1 Objectives and Site Information

In May 2002, a 6-inch steel pipeline at the Hugh Gathering site (Site) released approximately 50-barrels (bbls) of crude oil into the subsurface. This pipeline was formerly owned by EOTT Energy, LLC (EOTT) and is currently owned by Plains Pipeline, L.P. (Plains). The Site is located in Unit Letter K, T21S, R37E, Section 11 of Lea County, New Mexico, approximately two (2) miles east of Eunice, New Mexico (**Figure 1**) or more specifically at latitude 32° 29' 11.007" N and longitude 103° 07' 33.864" W.

The leak that occurred at the Site in May 2002 was apparently caused by internal or external corrosion and was repaired. The release was reported by Mr. Pat McCasland of Environmental Plus, Inc. (EPI) on behalf of Mr. Frank Hernandez of EOTT to the New Mexico Oil Conservation Division (NMOCD).

This report presents the data collected at the Site from January 1 through December 31, 2023 (reporting period) during groundwater gauging and phase separated hydrocarbon (PSH) recovery, and four (4) quarterly sampling events conducted during 2023. The objective of the on-going quarterly groundwater sampling activities at the Site is to monitor the concentration of chemicals of concern (COCs) in the affected groundwater and to remove residual crude oil.

## 1.2 Previous Remedial Responses and Environmental Investigations

The previous environmental consultants for the Site were EPI and EarthCon Consultants, Inc. (EarthCon). On July 1, 2012, EnTech Consulting Corporation (EnTech) was retained by Plains for consulting services for the Site. Even though the environmental consultant for the Site has changed, the same personnel were hired by EnTech for historical knowledge, consistency, and to continue working at the Site.

The leak was repaired and affected soil was excavated and temporarily placed on a plastic liner. The initial response notification form (Form No. C-141), prepared by EPI for Plains, provides documentation of reporting the release to the NMOCD. Initial soil remediation activities were completed by EPI. The total spill-impacted area was approximately 1,176 square feet. According to documents provided by EPI, the May 2002 release resulted in crude oil impacting two (2) areas, one (1) on either side of New Mexico State Road (NMSR) 18 (**Figure 2**). The crude oil was initially contained in the pipe chase before flowing from vent pipes on the east and west sides of NMSR 18 and affecting the surface and subsurface soil in two (2) separate areas. For the ease of the discussion, the two (2) impacted areas are hereafter referred to as the east and west release areas.

As part of the initial remediation activities, impacted soils to a depth of approximately four (4) feet below ground surface (bgs) were excavated and disposed of in an NMOCD-approved landfarm.

### 1.2.1 West Side Investigations and Remediation

Soil and groundwater delineation activities were initiated in September 2002 with the installation of soil borings BH9 through BH16 on the west side of NMSR 18. Soil boring BH10 was drilled to a total depth of approximately 60-feet bgs and subsequently converted to a monitor well (MW-1). PSH was detected on the surface of the groundwater collected from MW-1.

Monitor wells MW-2 through MW-5 were installed with NMOCD approval on the west side of NMSR 18 during June and July 2003 (**Figure 2**). PSH was discovered in monitor wells MW-1, MW-2, and MW-4. Recovery of PSH from these monitor wells was initiated on a weekly basis and in August 2003, daily recovery began using a gasoline powered eductor type PSH recovery system installed by EPI.

In 2004, with NMOCD approval, monitor wells MW-6 through MW-11, were installed on the west side of NMSR 18 and MW-12 on the east side of NMSR 18 by EPI to further delineate the horizontal extent of PSH and dissolved phase hydrocarbons (**Figure 2**). PSH was observed in monitor wells MW-8, MW-9, and MW-10. Dissolved-phase hydrocarbons (DPH) consisting of benzene, toluene, ethylbenzene, and total xylenes (BTEX) and polynuclear aromatic hydrocarbons (PAH) constituents were detected in the 2004 analytical results from the groundwater sample collected from monitor well MW-5. BTEX and PAH constituents were not reported at or above the respective laboratory method detection limit (MDL) in groundwater samples collected from monitor wells MW-6, MW-7, MW-11, and MW-12 in 2004. These monitor wells are located on the Site periphery. PSH was reported in monitor wells MW-1, MW-2, MW-3, MW-4, MW-8, MW-9, and MW-10 with thicknesses ranging from 0.25-feet to 11.13-feet.

In May 2005, Plains submitted an Abatement Plan to the NMOCD for approval (prepared by EPI). After a public comment period, the NMOCD subsequently approved implementation of the Abatement Plan in the November 5, 2005, letter to Plains.

Site surveillance continued in 2005 with daily PSH removal and inspection, monthly monitoring of groundwater and PSH levels, and quarterly sampling of PSH-free monitor wells. In August 2005, because of declining PSH thickness and recovery volumes, PSH recovery was changed from daily deployment of the PSH recovery system to weekly hand bailing of PSH impacted wells and installation of absorbent socks. During 2005, approximately 550-gallons of crude oil were recovered and reintroduced to the Plains

pipeline system. The total recovered volume of oil as of December 31, 2005, (including the 600-gallons recovered from 2002 through 2004), was approximately 1,150- gallons.

The NMOCD approved Plains Stage 1 and State 2 Abatement Plan (Abatement Plan) for the Site. During December 2006, EPI conducted excavation, confirmation soil sampling, treatment of residual soils using MicroBlaze Spill Control (MicroBlaze), installation of a passive vapor recovery system, clay liner placement, and backfilling of the Site on the west side of NMSR 18. Details of these field activities were presented in the 2006 Annual Report and Soil Closure Report West Side NMSR 18.

### 1.2.2 East Side Investigations and Remediation

The release on the east side of NMSR 18 was initially delineated with the installation of soil borings BH1 through BH8 in September 2002. The horizontal extent of soil impact on the east side appears to have covered approximately 55-feet x 10-feet of surface area from the point of Release. The vertical extent of soil impact was delineated to approximately 25-feet bgs. The groundwater encountered did not appear to be impacted. In July 2006, additional delineation was completed on the east side, with the installation of soil borings BH9 through BH14. In soil boring BH13, delineation was achieved at a depth of 46-feet bgs. Delineation could not be completed in soil boring BH11 as refusal was met at 22-feet bgs and hydrocarbons exceeding regulatory guidelines were present at approximately 20-feet bgs.

To address the hydrocarbon impact on the east side of NMSR 18, a Work Plan was prepared and submitted on May 2, 2008, to the NMOCD and approved. The Work Plan was implemented during July through October 2008. During the implementation of this work, EarthCon supervised the soil remediation activities including excavation of the top 19-feet of hydrocarbon impacted soil, installation of a clay barrier, and backfilling of the excavated soils. A ***Soil Closure Report East Side NMSR 18*** was submitted to the NMOCD in October 2008 indicating the completion of the soil remediation activities and the achievement of the target clean up goals for soils at the Site. One (1) monitor well (MW-13) was installed to determine if the groundwater was affected on the east side of NMSR 18. Details of these field activities were presented in the ***Soil Closure Report East Side NMSR 18*** dated December 2008 and also in the 2008 Annual Report.

To address the COCs in groundwater on the east side of NMSR 18, a Groundwater Investigation and Delineation Work Plan letter dated February 23, 2010, was submitted to the NMOCD. This Work Plan proposed the installation of two (2) additional monitor wells to delineate the groundwater impact, however landowner approval was not secured prior to mobilization and only MW-13 was installed. Monitor well MW-13 was the only well at that time to show impact to groundwater from the release associated with the east side of

the NMSR 18. As indicated previously, monitor well MW-12 was installed on the east side of NMSR 18 in 2004. Beginning with the May 2009 and continuing through the September 2012 sampling events, laboratory analysis of groundwater samples collected from MW-12 reported benzene concentrations above the NMOCD standard (0.010 milligrams per liter (mg/L)). Nondetectable benzene or concentrations below the NMOCD criteria of 0.01. mg/L have been reported since the September 2012 sampling event.

### 1.3 Regulatory Framework

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

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

1 – PAHs: Total naphthalenes plus monomethylnaphthalenes
2 – PAH remediation standards will be used as target concentrations only upon PSH removal.

In addition to the remediation criteria above serving as the target cleanup goals for COC concentrations in groundwater at the Site, PSH removal continues to be an integral part of ongoing remediation activities.

### 1.4 Limitations

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

# 2.0 GROUNDWATER ASSESSMENT AND RESULTS

## 2.1 Groundwater Sampling Methodology

Activities conducted at the Site in 2023 primarily consisted of gauging wells for groundwater levels, determining the presence or absence of PSH, and recovering PSH using absorbent socks, hand bailing, and submersible pumps in affected monitor wells. Sampling of PSH-free monitor wells was also completed to evaluate the extent of the dissolved-phase hydrocarbon plume.

Measurements of the depth to groundwater and product thickness in wells with hydrocarbon sheen or PSH were completed during the weekly PSH recovery and groundwater sampling events. Thirteen (13) monitor wells (MW-1R through MW-13) were gauged using an oil/water interface probe. The well locations are shown in **Figure 2**.

Groundwater elevations and the presence of PSH, if any, were noted for each well. In cases where no measurable PSH was detected by the interface probe, the downhole sensor of the probe was examined for the presence of PSH upon removal from the well. Monitor wells MW-1R (MW-1R replaced MW-1 in November 2013), MW-2, MW-4, and MW-8 through MW-10 contained a measurable PSH thickness or hydrocarbon sheen during 2023 and were sampled annually at a minimum. Starting in the second quarter of 2008, all recovery and monitor wells with PSH or sheen were required to be sampled annually and analyzed for BTEX and PAH. For consistency, groundwater samples were collected for the required analysis during the second quarter of each subsequent year. The NMOCD also requested that any monitor wells reporting a COC which exceeded NMOCD standards be sampled for PAHs. To meet these requests, groundwater samples were collected during the second quarter of 2023 from all thirteen (13) monitor wells (MW-1 through MW-13) and analyzed for BTEX. Samples collected from MW-1R, MW-2, MW-4, MW-8, MW-9, and MW-10 were also analyzed for PAH.

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

Groundwater samples were poured directly from the disposable bailers into the appropriate laboratory-supplied sample containers. The sample containers were then packaged to prevent breakage, placed on ice in a cooler, and shipped to Pace Analytical (Pace) of Mt. Juliet, Tennessee for analysis. The groundwater samples were analyzed for

BTEX Environmental Protection Agency (EPA) Method SW 846-8260B and PAHs by EPA Method SW 8270C.

### 2.2 Groundwater Gauging

**Table 1** summarizes groundwater gauging (elevation and PSH thickness) measurements recorded before each quarterly groundwater sampling event in 2020 through 2023. In addition, groundwater elevation and PSH thickness measurements were recorded prior to and after PSH recovery. Groundwater elevations and PSH thickness measurements were collected from six (6) monitor wells (MW-1R, MW-2, MW-4, and MW-8 through MW-10) during PSH recovery efforts. Groundwater elevation measurements were recorded quarterly for seven (7) PSH-free monitor wells (MW-3, MW-5 through MW-7, and MW-11 through MW-13). Complete historical groundwater elevation and PSH thickness measurements including PSH/groundwater recovery records since September 21, 2005, are presented in **Table 2**. The groundwater elevation calculations are based on the top of polyvinyl chloride (PVC) well casing elevations, which were last surveyed on March 15, 2005, by EarthCon, the previous consultant.

### 2.3 Groundwater Gradient and Flow Direction

Using the groundwater gauging data summarized in **Table 1**, groundwater gradient maps were prepared and are included as **Figures 3A** through **3D**. The calculated groundwater gradient and estimated groundwater flow direction are based on the gauging data obtained on March 2, June 14, September 6, and October 18, 2023. The hydraulic gradient in 2023 ranged from 0.0059 to 0.0061 feet/foot (ft/ft), based on groundwater elevations measured between monitor wells MW-6 and MW-12. The groundwater gradient and flow direction across the Site during 2023 were similar to the gradient and southeast direction observed during the previous five (5) years.

### 2.4 Groundwater Analytical Results

Groundwater samples were collected on March 3, June 14 and 15, September 7, and October 19, 2023, from all wells that did not contain measurable PSH (see **Table 3**). The monitor wells were purged by removing a minimum of three (3) to five (5) well volumes of groundwater, or depending on groundwater conditions, bailed dry three (3) times using a disposable bailer and allowed to recover to at least 80% of the initial volume before collecting samples. Groundwater samples were collected and transferred into laboratory-supplied sample containers. The sample containers were placed on ice in a cooler and shipped to Pace for analysis.

From 2008 through 2023, the NMOCD required Plains to analyze for BTEX and PAH constituents in the groundwater samples collected from monitor wells with a hydrocarbon sheen and/or wells that exceeded NMOCD remediation standards. To meet this

requirement for 2023, groundwater samples were collected from monitor wells containing PSH (MW-1R, MW-2, MW-4, and MW-8 through MW-10) during the second quarter and analyzed for BTEX (see **Tables 3 and 4** for analytical data), as well as PAHs (see **Table 5**). Groundwater samples were collected from PSH-free monitor wells (MW-3, and MW-5 through MW-7) in all four (4) quarters of 2023 and analyzed for BTEX. Monitor well MW-1R was analyzed for BTEX in the second quarter of 2023. Monitor wells MW-11 through MW-13 were sampled in the second, third, and fourth quarters of 2023 and analyzed for BTEX.

Laboratory analysis of groundwater samples collected from monitor wells MW-1R, MW-2, and MW-8 through MW-10 during the June 2023 sampling event reported benzene concentrations at levels above the NMOCD criteria. The analytical results of the second quarter 2023 sampling event are summarized in **Table 2.1** below. Benzene was detected in monitor well MW-3 during the second quarter as a "J" estimated value below the NMOCD standards. Ethylbenzene was detected above the NMOCD criteria during the second quarter 2023 sampling event in MW-2. Analysis of groundwater samples collected from monitor wells MW-8. MW-1R, MW-2, MW-8, and MW-10 reported total xylene concentrations above the NMOCD standards in the second quarter 2023 sampling event. Analysis of groundwater samples collected from all other monitor wells (MW-3, MW-5, MW-6, and MW-7) during all four (4) quarterly sampling events indicated non-detectable COC concentrations and/or concentrations below the NMOCD criteria, while MW-11 through MW-13 reported concentrations below the NMOCD criteria for all COCs in the second, third, and fourth quarters of 2023.

**Table 2.1**

| | Second Quarter 2023 | | | |
|---|---|---|---|---|
| | **Benzene** | **Toluene** | **Ethyl-benzene** | **Xylenes** |
| **NMOCD Remediation Criteria (mg/L)** | **0.01** | **0.75** | **0.75** | **0.62** |
| MW-1R | **1.42** | 0.476 | 0.568 | **1.16** |
| MW-2 | **0.541** | <0.00556 | **0.821** | **1.07** |
| MW-3 | 0.000132J | <0.000278 | <0.000137 | <0.000174 |
| MW-4 | 0.00166 | <0.000278 | 0.00328 | 0.00464 |
| MW-8 | **0.979J** | <0.278 | **6.35** | **9.44** |
| MW-9 | **0.0719** | 0.00312J | 0.0688 | 0.107 |
| MW-10 | **0.0252** | 0.0920J | 0.548 | **0.783** |

Note: Concentrations in **bold** indicate exceedances of NMOCD Remediation criteria.

The 2023 analytical results are presented in **Table 3**, and historical analytical results are presented in **Table 4**. Laboratory analytical reports are provided in **Appendix A**. The groundwater analytical data for each quarterly 2023 sampling event are presented in **Figures 4A** through **4D.**

The NMOCD requires PAH analysis be conducted annually on each monitor well until laboratory results indicate the PAH concentrations are below the NMOCD remediation criteria for the constituent sampled.

During the second quarter 2023 sampling event, fluids (PSH and dissolved phase hydrocarbons) from MW-1R, MW-2, MW-8, MW-9, and MW-10 were removed while purging the well. After three (3) well volumes were evacuated, the well was allowed to stabilize prior to a groundwater sample being collected. Laboratory analysis completed on groundwater samples collected reported benzene, ethylbenzene, and/or total xylene concentrations above the NMOCD criteria during the June 2023 sampling event in monitor wells MW-1R, MW-2, and MW-8. Concentrations of benzene and total xylenes were reported at levels above the NMOCD regulatory limits during the June 2023 sampling event in the sample collected from MW-10, whereas benzene was the only COC reported in the groundwater sample collected from monitor well MW-9. Further, analytical results indicated the presence of naphthalene above the NMOCD regulatory limit in

monitor wells MW-1, MW-2, and MW-8. Copies of the laboratory analytical data packages are included in **Appendix A**.

### 2.5 Groundwater Waste Disposal

Purge water generated during groundwater sampling was placed in one (1) 1,100-gallon above ground storage tank (AST) located on-Site. These liquids are removed from the tank via vacuum truck and transported off-Site for disposal by Gandy Corporation of Lovington, New Mexico and disposed of at an NMOCD approved disposal facility. No fluids were disposed of in 2023.

# 3.0 PSH RECOVERY

## 3.1 PSH Recovery Methodology

In addition to collecting groundwater samples, EnTech performed regular visits to the Site to gauge and recover PSH from six (6) wells with PSH/sheen (MW-1R, MW-2, MW-4, and MW-8 through MW-10). Measurements to PSH and water levels were recorded during each Site visit (see **Table 1**). PSH recovery activities were completed using submersible pumps, hand bailer and/or absorbent socks. Routine PSH recovery activities typically consisted of the removal of 10 to 20 gallons of affected groundwater and PSH.

## 3.2 PSH Recovery via Pumping and Manual Bailing

During 2023, measurable PSH was observed in monitor wells MW-1R, MW-2, MW-4, MW-8 through MW-10. In general, stable to decreasing trends in the PSH thickness data collected for these wells has been observed. Annual recovery data for PSH and dissolved phase groundwater attributable to each monitor well from 2018 through 2023 is summarized on **Table 6**.

A generally decreasing trend in the PSH thickness in monitor well MW-1 was reported starting in early 2007. Monitor well MW-1R was installed in 2013 to replace MW-1 and to increase product recovery. The average product thickness reported in 2023 for MW-1R was 1.63-foot, an increase from 0.79 foot in 2022, and 0.64-foot in 2021. A maximum product thickness of 2.42 feet was measured in 2023, an increase relative to the 1.89 feet reported in 2022, and the 1.51 feet reported in 2021. A total of 26.50 gallons of PSH (a decrease from the 30.25 gallons recovered in 2022, and 33.25 gallons recovered in 2021) and 98.50 gallons of affected groundwater were recovered from MW-1R during 2023, which does not include sheens observed during recovery of PSH.

The maximum PSH thickness reported in MW-2 during 2023 was 2.00 feet on May 18, 2023 an increase from 1.46 feet observed in 2022. The calculated average PSH thickness for 2023 was 0.42 foot. A total of 11.25 gallons of PSH (a decrease from the 16.5-gallon recovered in 2022) and 82.75 gallons of affected groundwater were recovered from MW-2 during 2023, which does not include sheen observed during recovery of PSH.

There was no measurable PSH reported in MW-3 during 2015 through 2022. Measurable PSH thickness was first reported during the October 5, 2023, gauging event (0.02 foot). As illustrated on Table 6, no PSH and approximately 16 gallons of affected groundwater were recovered in 2023.

The maximum thickness of 2.16 feet was reported in monitor well MW-4 during 2023, an increase relative to 2022 (0.99 foot) and 2021 (1.00 feet). PSH thicknesses observed in monitor well MW-4 during 2023 ranged from a 0.01 to 2.16 foot. A total of 10.00 gallons of PSH and 106 gallons of groundwater were recovered in 2023, a respective increase in both relative to 2022 and a decrease relative to 2021.

PSH thicknesses reported in MW-8 during 2023 ranged from 0.02 to 1.80 foot, an increase from a maximum thickness reported in 2022 of 1.38 feet and in 2021 of 0.82 feet. The calculated average PSH thickness observed during 2023 was 1.15 feet, an increase relative to 2022 (0.61 foot) and 2021 (0.21 foot). A total of 15.25 gallons of PSH (a decrease from the 18.55 gallons recovered in 2022) and 94 gallons of affected groundwater was recovered from MW-8 during 2023.

The maximum PSH thickness reported in monitor well MW-9 during 2023 was 0.25 feet, a decrease relative to the 0.73 feet reported in 2022. The calculated average PSH thickness for 2023 was 0.08 feet. A total of 11.25 gallons of PSH and 101.75 gallons of affected groundwater was recovered from MW-9 during 2023, which is an increase relative to 2022.

The maximum PSH thickness observed in monitor well MW-10 was 0.38 feet, an increase relative to 2022 (0.35 feet) and a decrease relative to 2021 (0.45 feet) . The calculated average PSH thickness for 2023 was 0.17 feet. A total of 7.75 gallons of PSH and 97.25 gallons of affected groundwater was recovered from MW-10 during 2023.

### 3.3 PSH Waste Disposal

Approximately 82 gallons PSH and 616 gallons total of affected groundwater were recovered from the wells containing PSH or sheen during 2023 during manual and pumping recovery events. These liquids are removed from the tank via vacuum truck and transported off-Site for disposal by Gandy Corporation of Lovington, New Mexico to an NMOCD approved licensed disposal facility on an as needed basis. No fluids were removed from the Site during 2023.

# 4.0 MONITORED NATURAL ATTENUATION

## 4.1 Regulatory Framework for Monitored Natural Attenuation

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

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

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

## 4.2 Groundwater Plume Stability and Monitored Natural Attenuation Information

- PLOEs do exist and include:
- The benzene concentrations reported in the groundwater samples collected from the monitor wells down-gradient of the plume (MW-12 and MW-13) from 2014 through 2023 were below laboratory MDLs and/or at concentrations below the NMOCD remediation criteria.

- Benzene concentrations reported in the groundwater samples collected from cross-gradient monitor wells (MW-7 and MW-11) from 2013 through 2023 were below laboratory MDLs and/or at concentrations below the NMOCD criteria; and,
- Declining to stable benzene concentrations were analyzed in the groundwater samples collected from monitor wells MW-1R, MW-2 through MW-4, and MW-8 through MW-10, MW-12, and MW-13 from 2012 through 2023.

The dissolved phase plume was evaluated by analyzing groundwater samples collected quarterly from monitor wells which did not contain measurable PSH. During the second quarter 2023, samples were collected from monitor wells which historically contained PSH. Benzene was detected above the MDLs and/or above NMOCD remediation criteria in monitor wells MW-1R, MW-2, and MW-8 through MW-10 in 2023. Historically, monitor wells MW-12 and MW-13 exhibited concentrations above NMOCD limits, however, respective concentrations have decreased to acceptable levels.

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

This analysis was conducted to understand the overall stability of the benzene plume from 2008 through 2023. This study included the development of benzene concentration isopleths maps. The maximum benzene concentrations reported in the four (4) quarterly groundwater sampling events during 2023 were used for all the PSH-free wells (MW-3, through MW-7, and MW-11 through MW-13). Since the wells with measurable PSH were only sampled during the second quarter sampling events from 2008 through 2023, the benzene concentrations reported in 2023 during this sampling event were included in the annual plume evaluation.

The benzene isopleths maps for 2015 through 2023 are presented in **Figures 5 through 12,** respectively.

In addition to graphically representing declining values of the COCs, the Mann- Kendall Trend Test (MKTT) is a statistical method utilized to analyze data collected over time for consistently increasing or decreasing trends. It is a non-parametric test, which means it works for all distributions (i.e.: the data does not have to meet the assumption of normality), but the data should have no serial correlation.

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

Concentrations of benzene analyzed in groundwater samples collected from the Site were evaluated using the MKTT. Only monitor wells with detectable concentrations of benzene reported from June 3, 2011, through June 15, 2023, were evaluated.

Monitor wells evaluated by MKTT for benzene included monitor well MW-1/MW-1R, MW-2, MW-4, MW-8, MW-9, and MW-10. A copy of the MKTT analysis is included in **Appendix B.**

| Benzene Evaluation | | |
|---|---|---|
| **Well ID** | **Confidence Factor** | **Trend** |
| MW-1R | 58.0% | Stable |
| MW-2 | 99.8% | Decreasing |
| MW-4 | >99.9% | Decreasing |
| MW-8 | 97.9 % | Decreasing |
| MW-9 | 99.8% | Decreasing |
| MW-10 | 97.6% | Decreasing |

The analytical data used for the plume stability analysis indicated that the benzene plume emanating from the Site has a decreasing trend in size and mass.

# 5.0 CONCLUSIONS

## 5.1 Findings

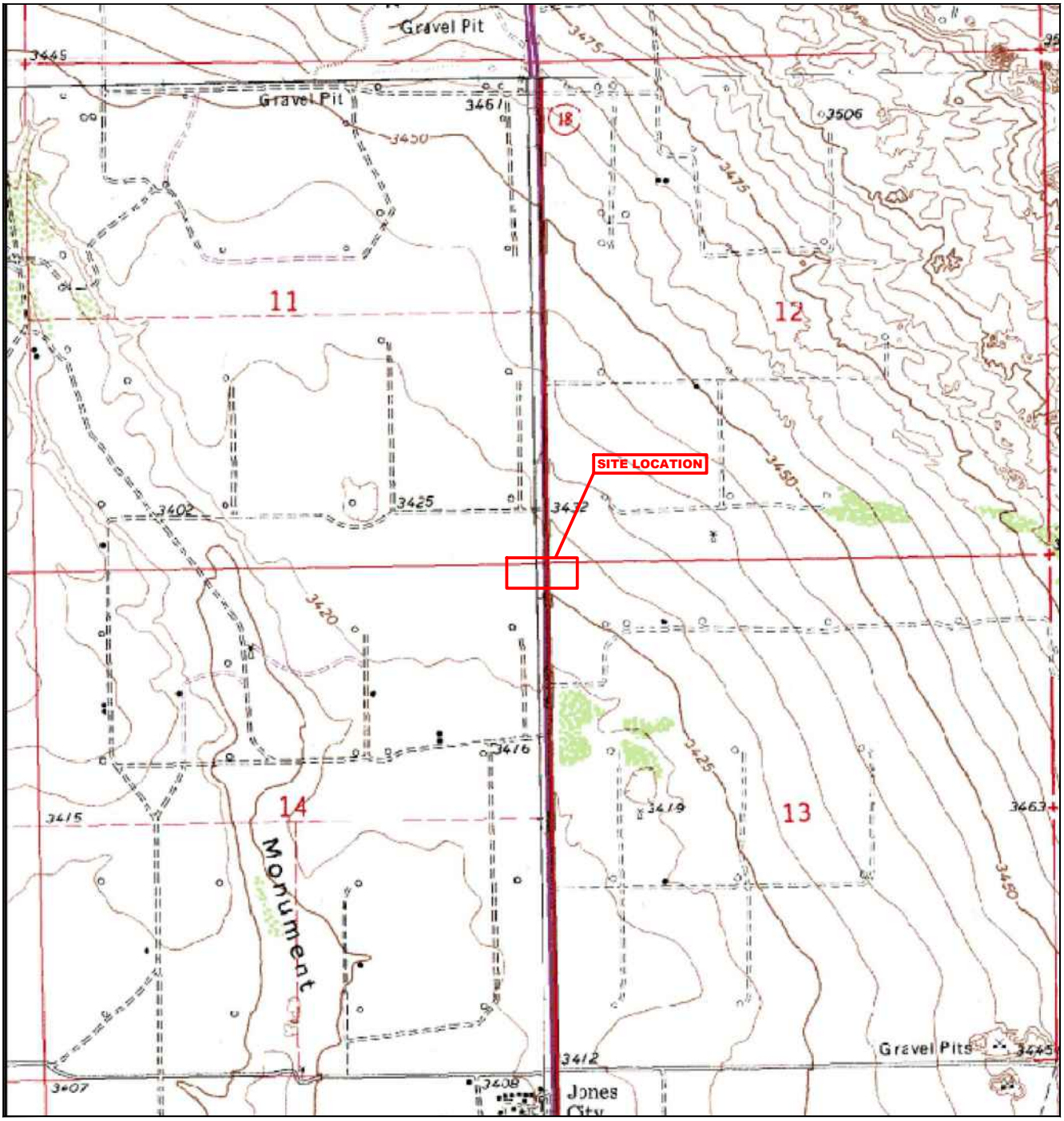
Findings and recommendations resulting from 2023 groundwater monitoring at the Hugh Gathering Site are summarized below.

- Groundwater flow in the uppermost groundwater-bearing unit is to the southeast ranging from 0.0059 to 0.0061 ft/ft as measured between wells MW-6 and MW-12.
- Analytical results reported for the groundwater samples collected from monitor wells MW-5 through MW-7 reported BTEX constituent concentrations below laboratory MDLs and/or NMOCD remediation criteria during the June 2023 sampling event. Laboratory analysis of groundwater samples collected from monitor wells MW-1R, MW-2, and MW-8 reported concentrations of ethylbenzene and total xylenes above the NMOCD remediation criteria during the June 2023 sampling event. Laboratory analysis of groundwater samples collected from MW-10 reported concentrations of benzene and total xylenes above the NMOCD remediation criteria, whereas benzene was the only COC reported in the groundwater sample collected from monitor well MW-9.
- The PSH plume has remained in the historical source area and does not appear to be migrating downgradient.
- Based on statistical analysis, benzene concentrations at the site are stable and decreasing for all wells with concentrations detected.
- PSH recovery efforts continue at the site.

Based on PSH recovery data and groundwater sampling completed during 2023 (and previously) at the Site, EnTech recommends the following:

- Continued PSH recovery from wells MW-1R, MW-2, MW-4, MW-8, MW-9, and MW-10 on a bi-monthly basis.
- Continued groundwater monitoring and sampling on a quarterly basis for BTEX in monitor wells MW-1 through MW-10 (if no measurable PSH is detected).
- Continue groundwater sampling in MW-11, MW-12, and MW-13, located downgradient of the site, on a semi-annual basis per the approval of the NMOCD via an email dated May 25, 2023.
- Continued groundwater monitoring on an annual basis for PAHs in wells with PSH or concentrations exceeding NMOCD standards.

# FIGURES




**Eunice NE Quadrangle**
**32°29'11"N Latitude & 103°07'31"W Longitude**

0 1/2 mile 1 mile
Distance in Miles

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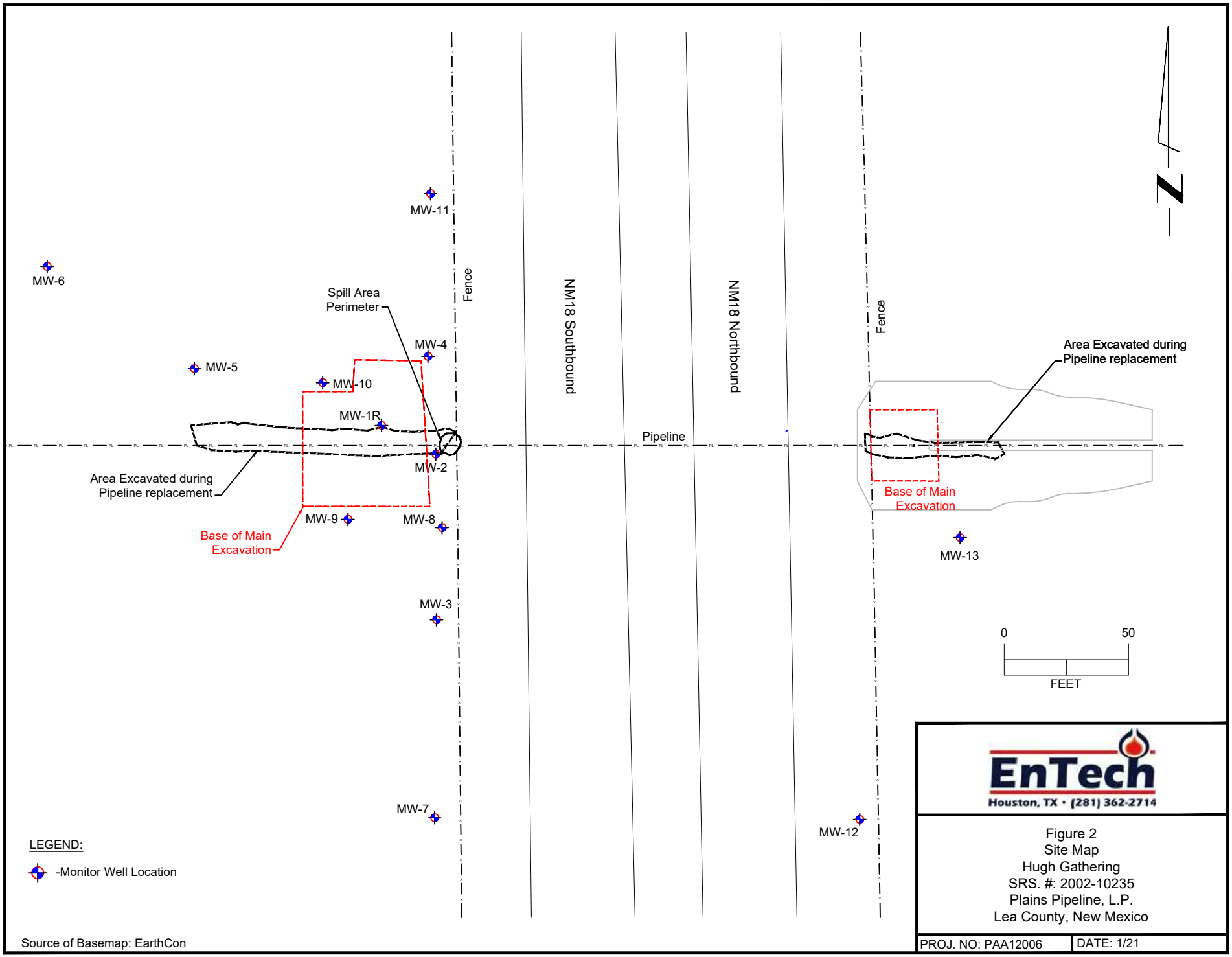
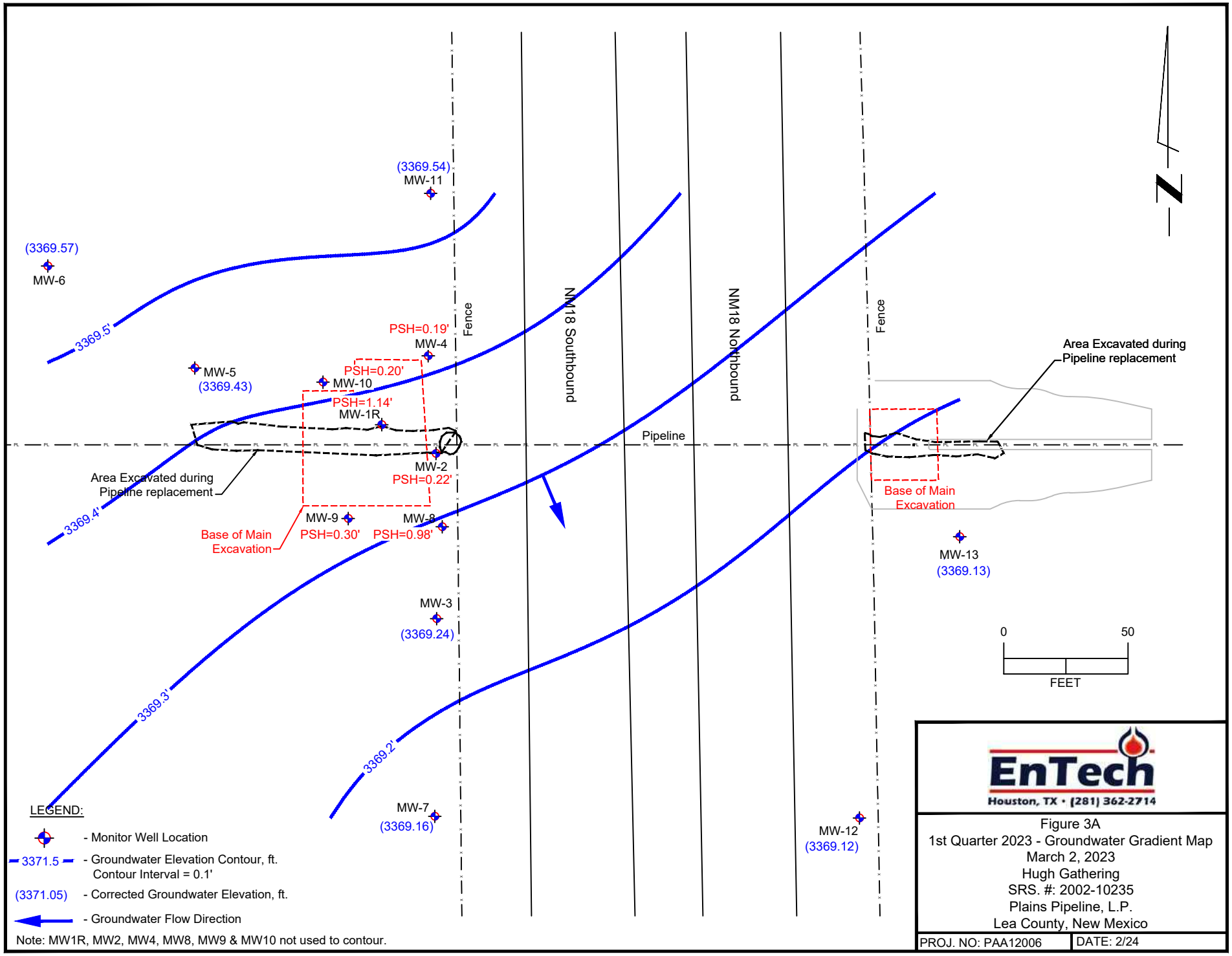
Figure 1
Site Location Map
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico

| PROJ. NO: PAA12006 | DATE: 1/21 |
|---|---|


MW-11
MW-6
Spill Area
Perimeter
Fence
NM18 Southbound
NM18 Northbound
Fence
MW-4
MW-5
MW-10
MW-1R
Pipeline
MW-2
Area Excavated during
Pipeline replacement
Area Excavated during
Pipeline replacement
Base of Main
Excavation
MW-9
MW-8
Base of Main
Excavation
MW-13
MW-3
0
50
FEET
MW-7
MW-12
LEGEND:
-Monitor Well Location
Source of Basemap: EarthCon
EnTech
Houston, TX • (281) 362-2714
Figure 2
Site Map
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 1/21


(3369.54)
MW-11
(3369.57)
MW-6
3369.5'
PSH=0.19'
MW-4
MW-5
(3369.43)
PSH=0.20'
MW-10
PSH=1.14'
MW-1R
Fence
NM18 Southbound
NM18 Northbound
Fence
Pipeline
Area Excavated during
Pipeline replacement
MW-2
PSH=0.22'
Area Excavated during
Pipeline replacement
3369.4'
Base of Main
Excavation
MW-9
PSH=0.30'
MW-8
PSH=0.98'
Base of Main
Excavation
MW-13
(3369.13)
MW-3
(3369.24)
0
50
FEET
3369.3'
3369.2'
MW-7
(3369.16)
MW-12
(3369.12)
LEGEND:
- Monitor Well Location
3371.5 - Groundwater Elevation Contour, ft.
Contour Interval = 0.1'
(3371.05) - Corrected Groundwater Elevation, ft.
- Groundwater Flow Direction
Note: MW1R, MW2, MW4, MW8, MW9 & MW10 not used to contour.
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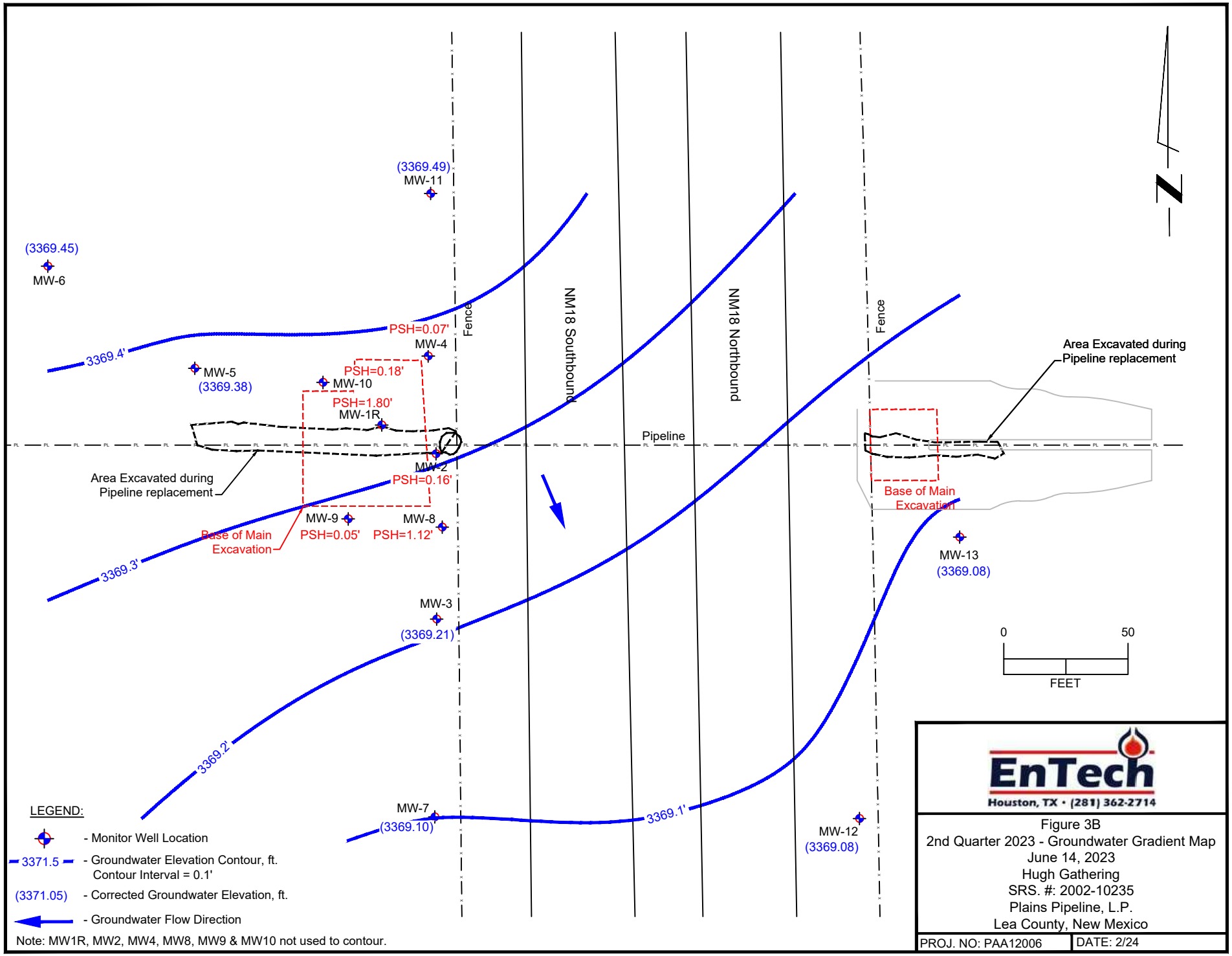
Houston, TX • (281) 362-2714
Figure 3A
1st Quarter 2023 - Groundwater Gradient Map
March 2, 2023
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 2/24


(3369.49)
MW-11
(3369.45)
MW-6
3369.4'
PSH=0.07'
MW-4
MW-5
(3369.38)
PSH=0.18'
MW-10
PSH=1.80'
MW-1R
MW-2
PSH=0.16'
Fence
NM18 Southbound
NM18 Northbound
Fence
Pipeline
Area Excavated during
Pipeline replacement
Area Excavated during
Pipeline replacement
Base of Main
Excavation
Base of Main
Excavation
MW-9
PSH=0.05'
MW-8
PSH=1.12'
3369.3'
MW-13
(3369.08)
MW-3
(3369.21)
0
50
FEET
3369.2'
MW-7
(3369.10)
3369.1'
MW-12
(3369.08)
LEGEND:
- Monitor Well Location
3371.5 - Groundwater Elevation Contour, ft.
Contour Interval = 0.1'
(3371.05) - Corrected Groundwater Elevation, ft.
- Groundwater Flow Direction
Note: MW1R, MW2, MW4, MW8, MW9 & MW10 not used to contour.
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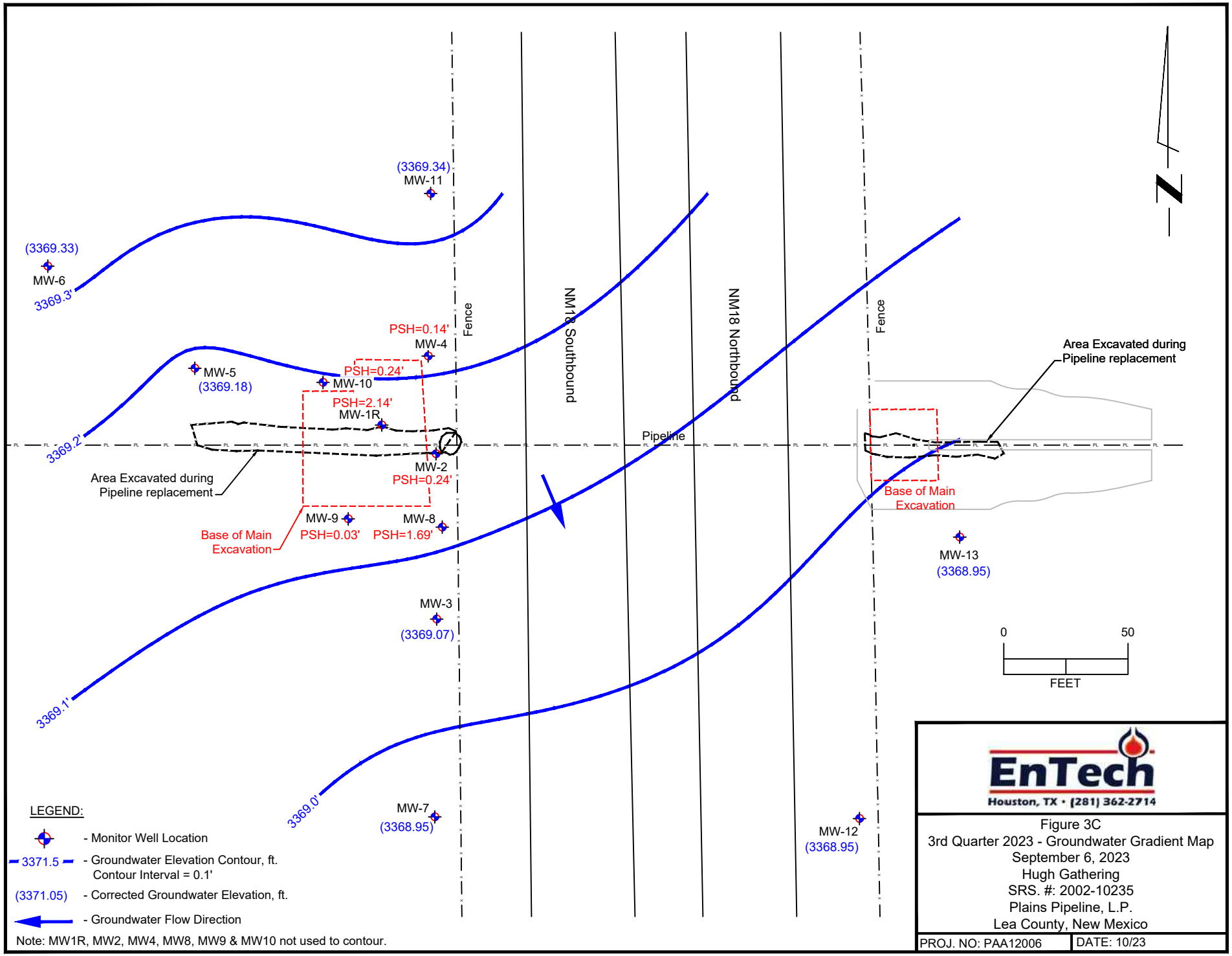
Houston, TX • (281) 362-2714
Figure 3B
2nd Quarter 2023 - Groundwater Gradient Map
June 14, 2023
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 2/24


(3369.34)
MW-11
(3369.33)
MW-6
3369.3'
PSH=0.14'
MW-4
Fence
NM18 Southbound
NM18 Northbound
Fence
Area Excavated during
Pipeline replacement
MW-5
(3369.18)
PSH=0.24'
MW-10
PSH=2.14'
MW-1R
Pipeline
3369.2'
MW-2
PSH=0.24'
Area Excavated during
Pipeline replacement
Base of Main
Excavation
MW-9
PSH=0.03'
MW-8
PSH=1.69'
Base of Main
Excavation
MW-13
(3368.95)
MW-3
(3369.07)
0
50
FEET
3369.1'
3369.0'
MW-7
(3368.95)
MW-12
(3368.95)
LEGEND:
- Monitor Well Location
3371.5 - Groundwater Elevation Contour, ft.
Contour Interval = 0.1'
(3371.05) - Corrected Groundwater Elevation, ft.
- Groundwater Flow Direction
Note: MW1R, MW2, MW4, MW8, MW9 & MW10 not used to contour.
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Houston, TX • (281) 362-2714
Figure 3C
3rd Quarter 2023 - Groundwater Gradient Map
September 6, 2023
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 10/23

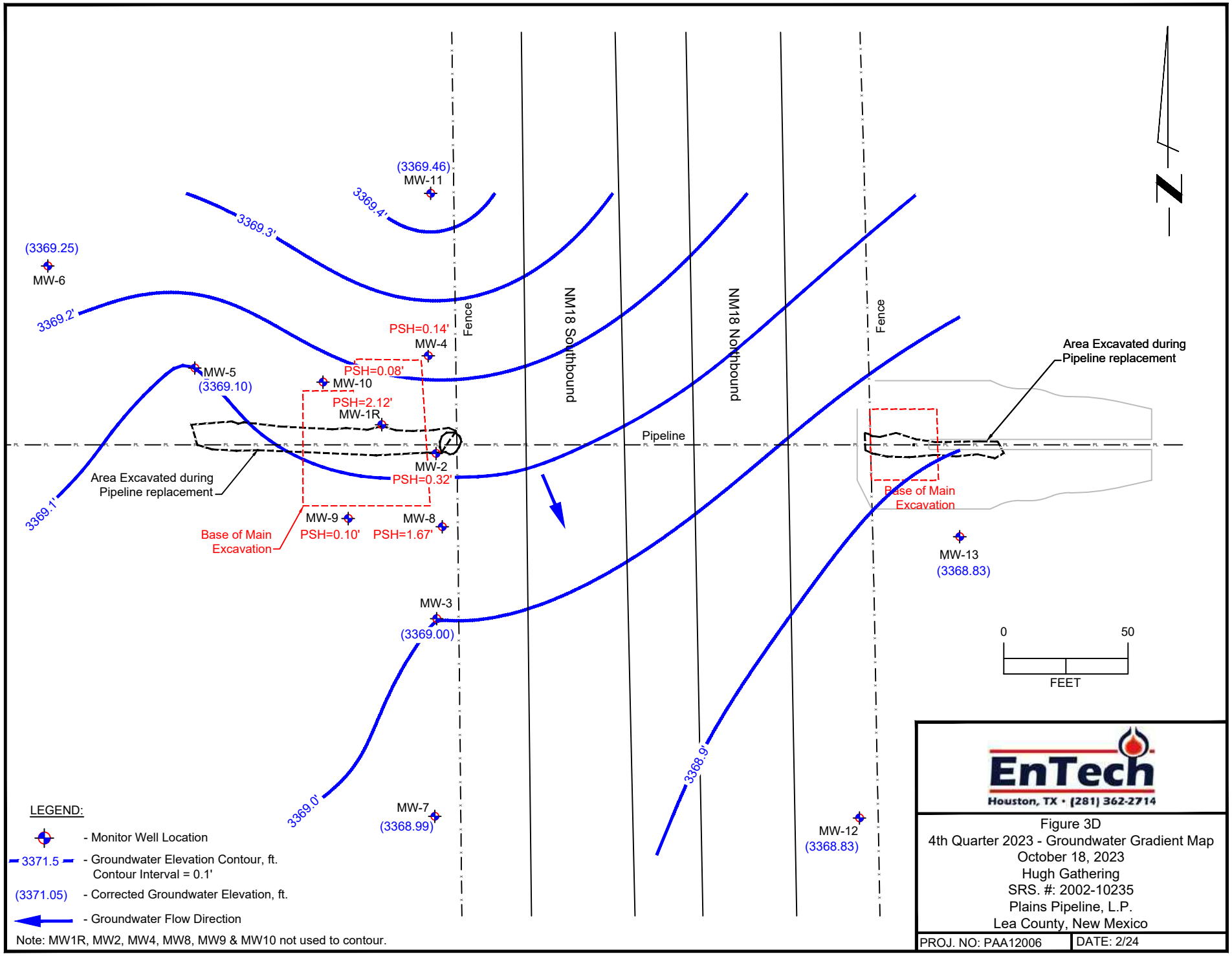
(3369.46)
MW-11
3369.4'
3369.3'
(3369.25)
MW-6
3369.2'
PSH=0.14'
MW-4
Fence
NM18 Southbound
NM18 Northbound
Fence
Area Excavated during
Pipeline replacement
MW-5
(3369.10)
PSH=0.08'
MW-10
PSH=2.12'
MW-1R
Pipeline
MW-2
PSH=0.32'
Area Excavated during
Pipeline replacement
3369.1'
Base of Main
Excavation
MW-9
PSH=0.10'
MW-8
PSH=1.67'
Base of Main
Excavation
MW-13
(3368.83)
MW-3
(3369.00)
0
50
FEET
3369.0'
MW-7
(3368.99)
3366.9'
MW-12
(3368.83)
LEGEND:
- Monitor Well Location
3371.5 - Groundwater Elevation Contour, ft.
Contour Interval = 0.1'
(3371.05) - Corrected Groundwater Elevation, ft.
- Groundwater Flow Direction
Note: MW1R, MW2, MW4, MW8, MW9 & MW10 not used to contour.
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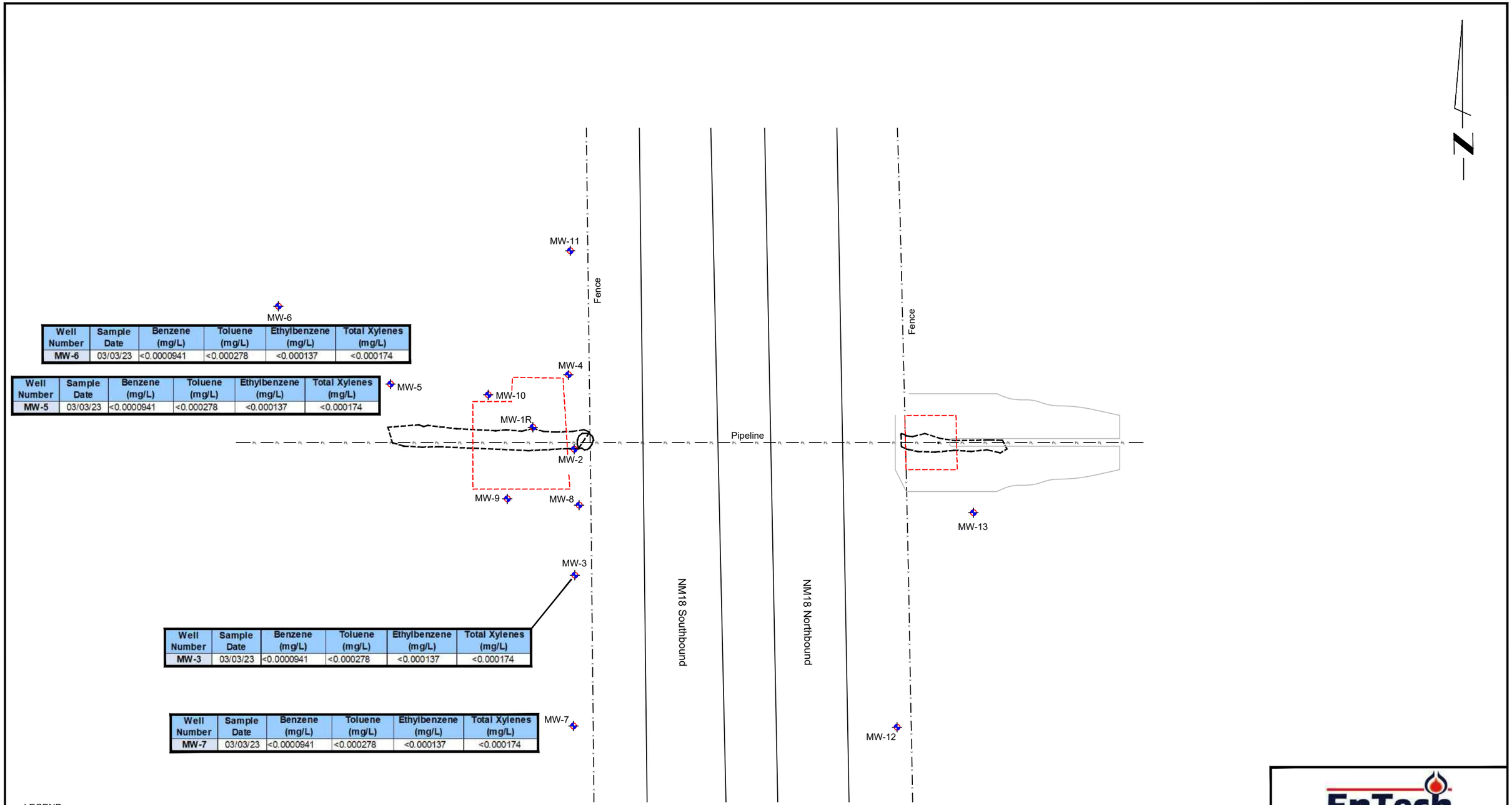
Figure 3D
4th Quarter 2023 - Groundwater Gradient Map
October 18, 2023
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 2/24




| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-6 | 03/03/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-5 | 03/03/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-3 | 03/03/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-7 | 03/03/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

LEGEND:

-Monitor Well Location

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

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

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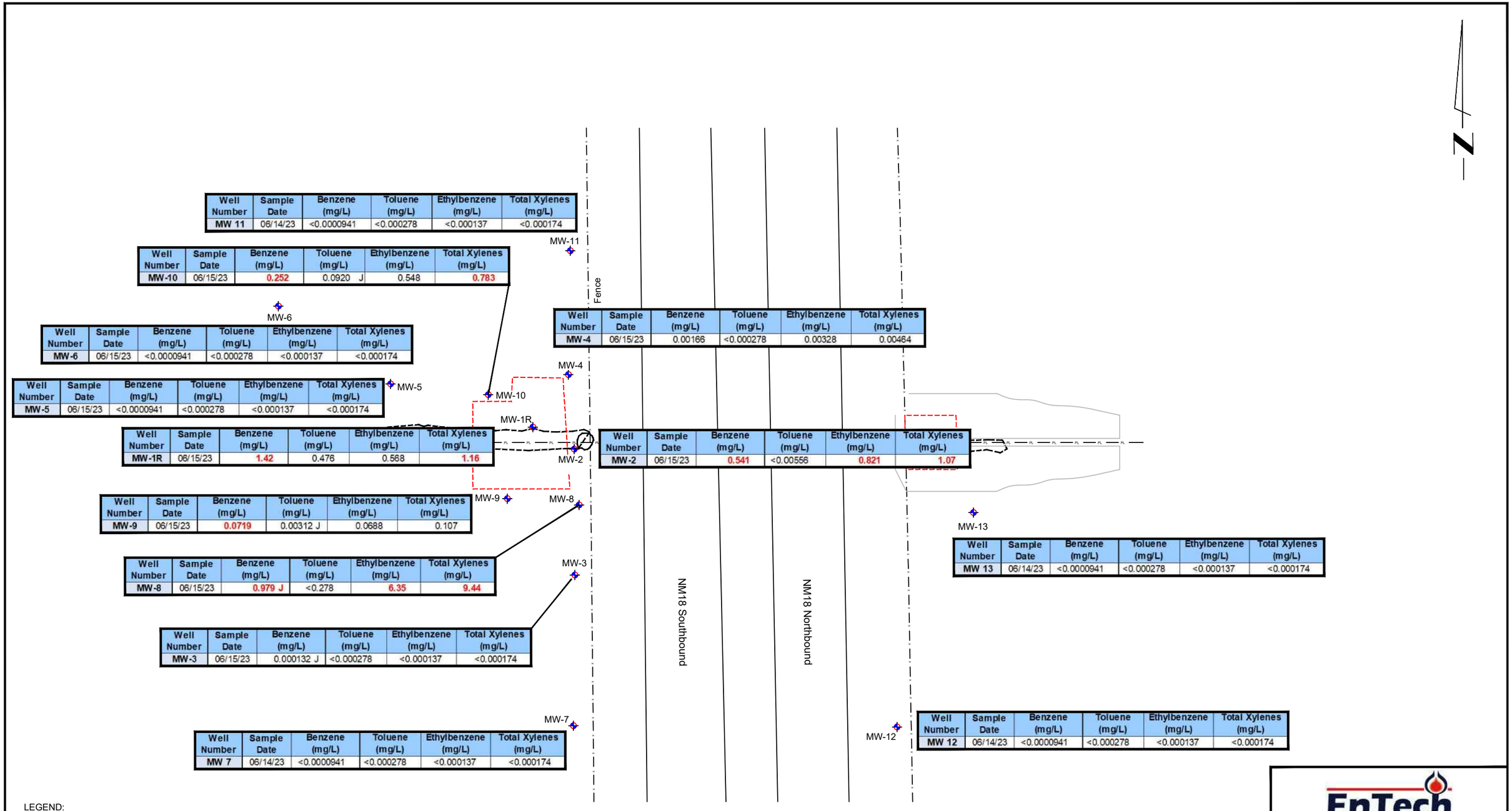
Figure 4A
1st Quarter 2023 - Groundwater Analytical Map
March 3, 2023
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12006 | DATE: 2/24




| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW 11 | 06/14/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-10 | 06/15/23 | 0.252 | 0.0920 J | 0.548 | 0.783 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-6 | 06/15/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-5 | 06/15/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-4 | 06/15/23 | 0.00166 | <0.000278 | 0.00328 | 0.00464 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-1R | 06/15/23 | 1.42 | 0.476 | 0.568 | 1.16 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-2 | 06/15/23 | 0.541 | <0.00556 | 0.821 | 1.07 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-9 | 06/15/23 | 0.0719 | 0.00312 J | 0.0688 | 0.107 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-8 | 06/15/23 | 0.979 J | <0.278 | 6.35 | 9.44 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-3 | 06/15/23 | 0.000132 J | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW 7 | 06/14/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW 13 | 06/14/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW 12 | 06/14/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

LEGEND:

-Monitor Well Location

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

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

0 50

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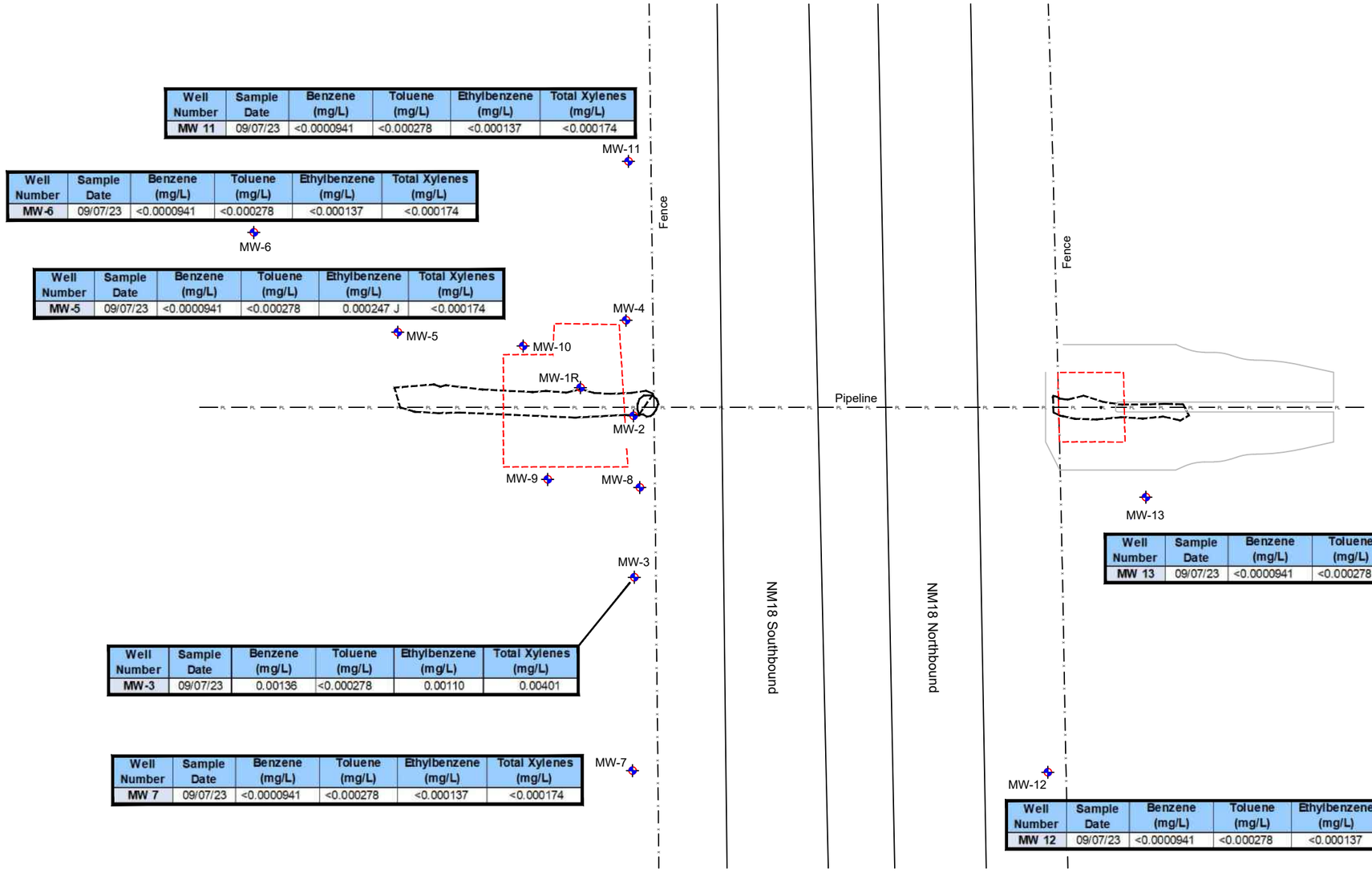
Figure 4B
2nd Quarter 2023 - Groundwater Analytical Map
June 14-15, 2023
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12006 | DATE: 2/24




| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW 11 | 09/07/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-6 | 09/07/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-5 | 09/07/23 | <0.0000941 | <0.000278 | 0.000247 J | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-3 | 09/07/23 | 0.00136 | <0.000278 | 0.00110 | 0.00401 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW 7 | 09/07/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW 13 | 09/07/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW 12 | 09/07/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

LEGEND:

-Monitor Well Location

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

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

0 50

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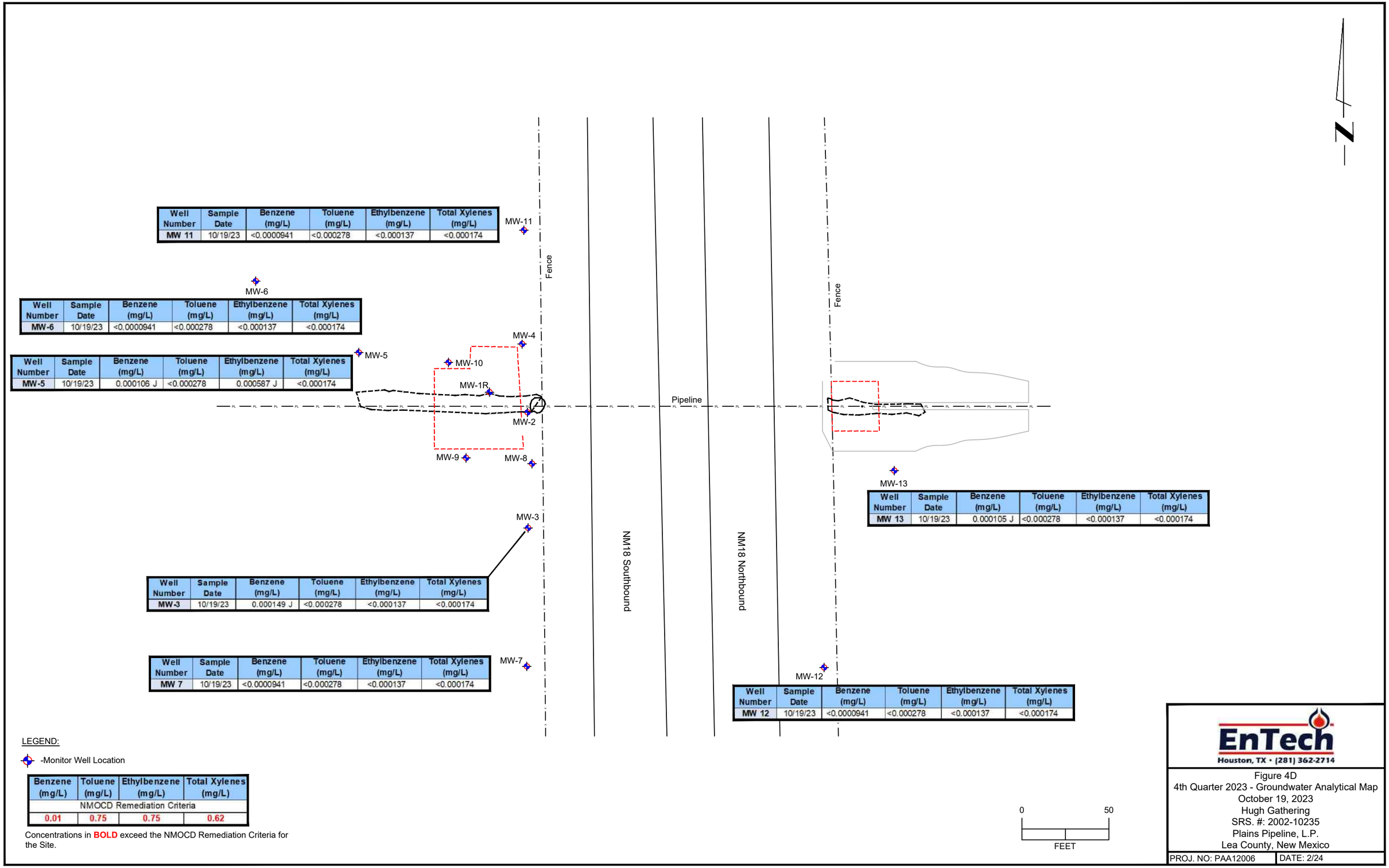
Figure 4C
3rd Quarter 2023 - Groundwater Analytical Map
September 7, 2023
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12006 | DATE: 10/23




| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW 11 | 10/19/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-6 | 10/19/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-5 | 10/19/23 | 0.000106 J | <0.000278 | 0.000587 J | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW-3 | 10/19/23 | 0.000149 J | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW 7 | 10/19/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW 13 | 10/19/23 | 0.000105 J | <0.000278 | <0.000137 | <0.000174 |

| Well Number | Sample Date | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
|---|---|---|---|---|---|
| MW 12 | 10/19/23 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

LEGEND:

-Monitor Well Location

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

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

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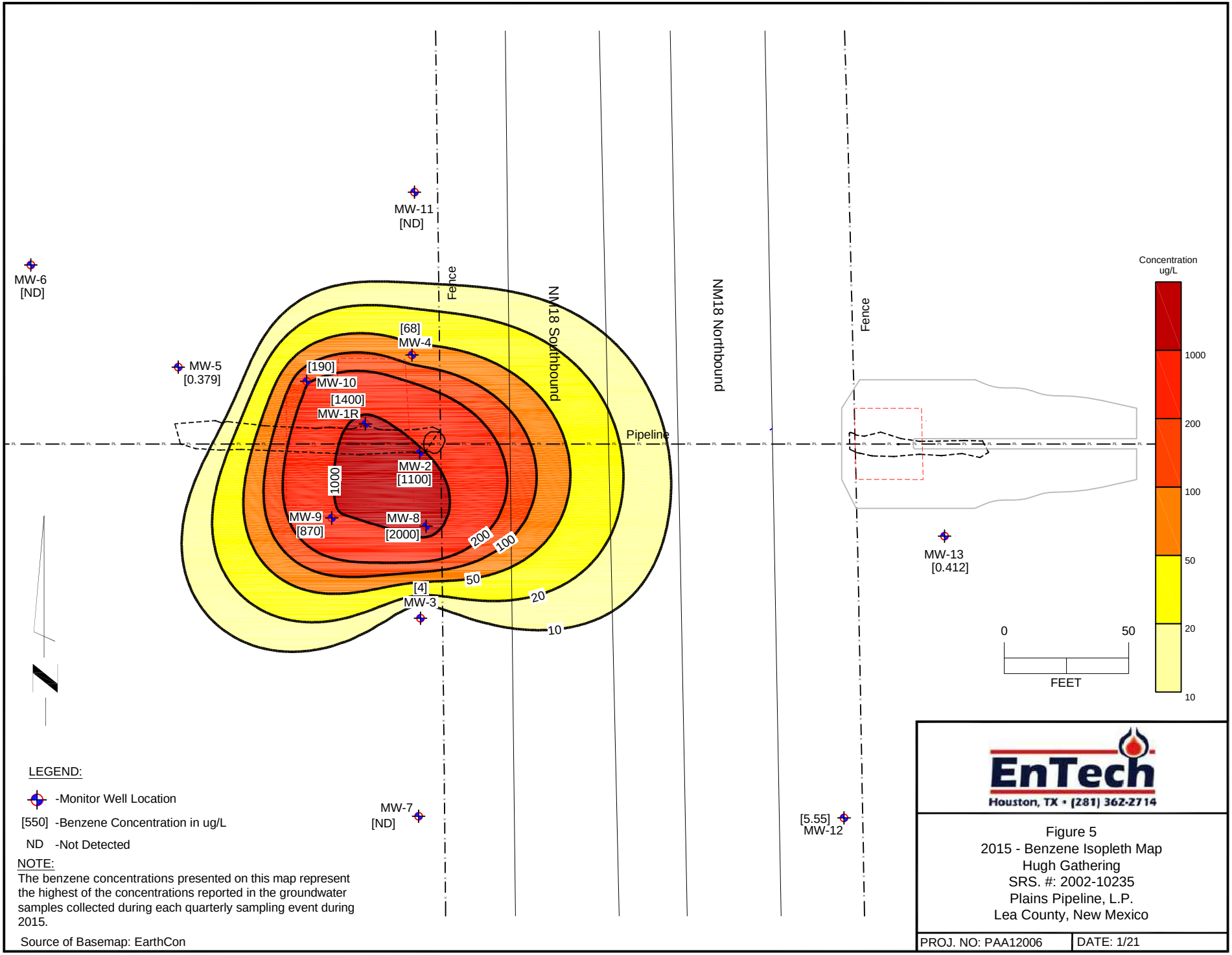
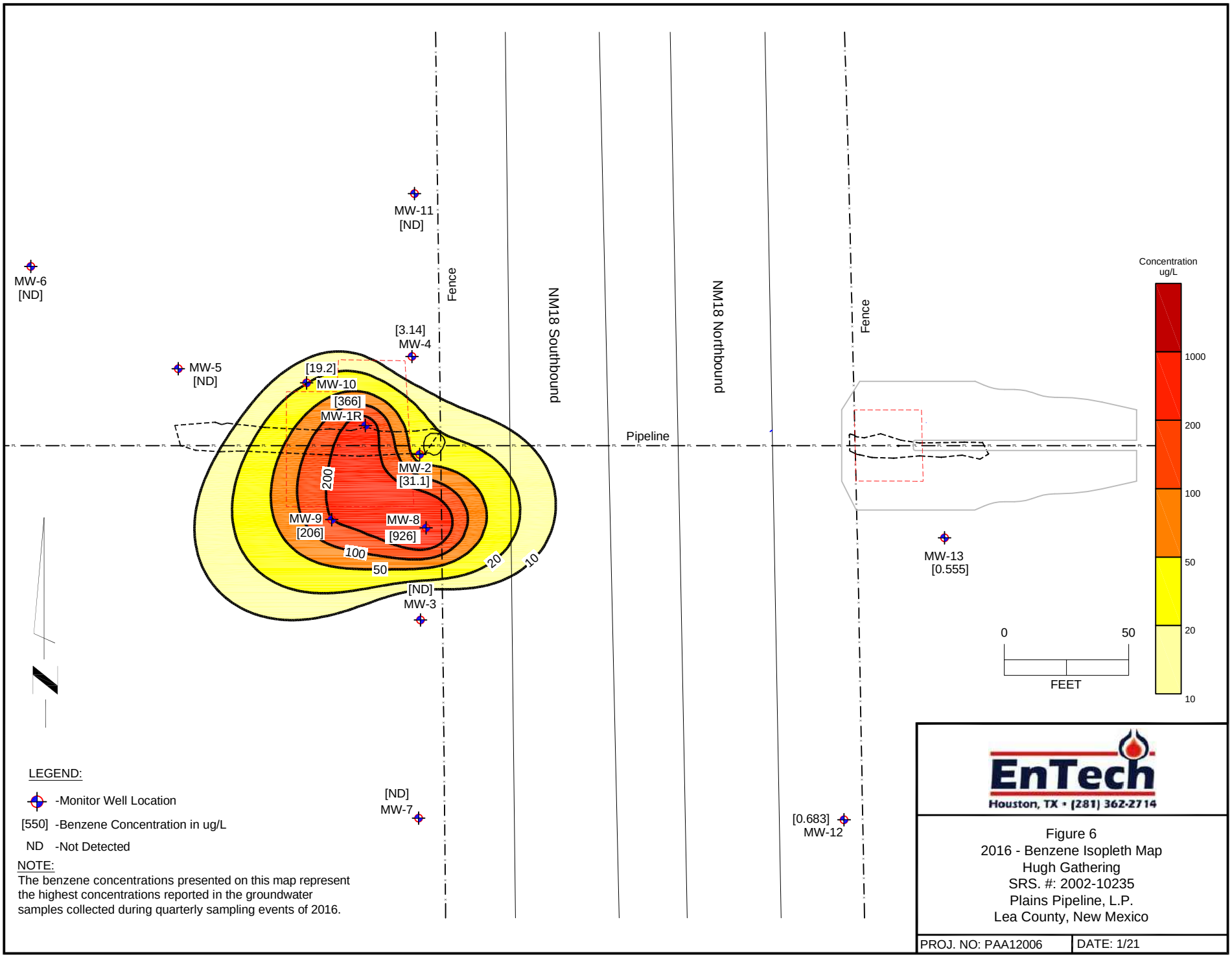
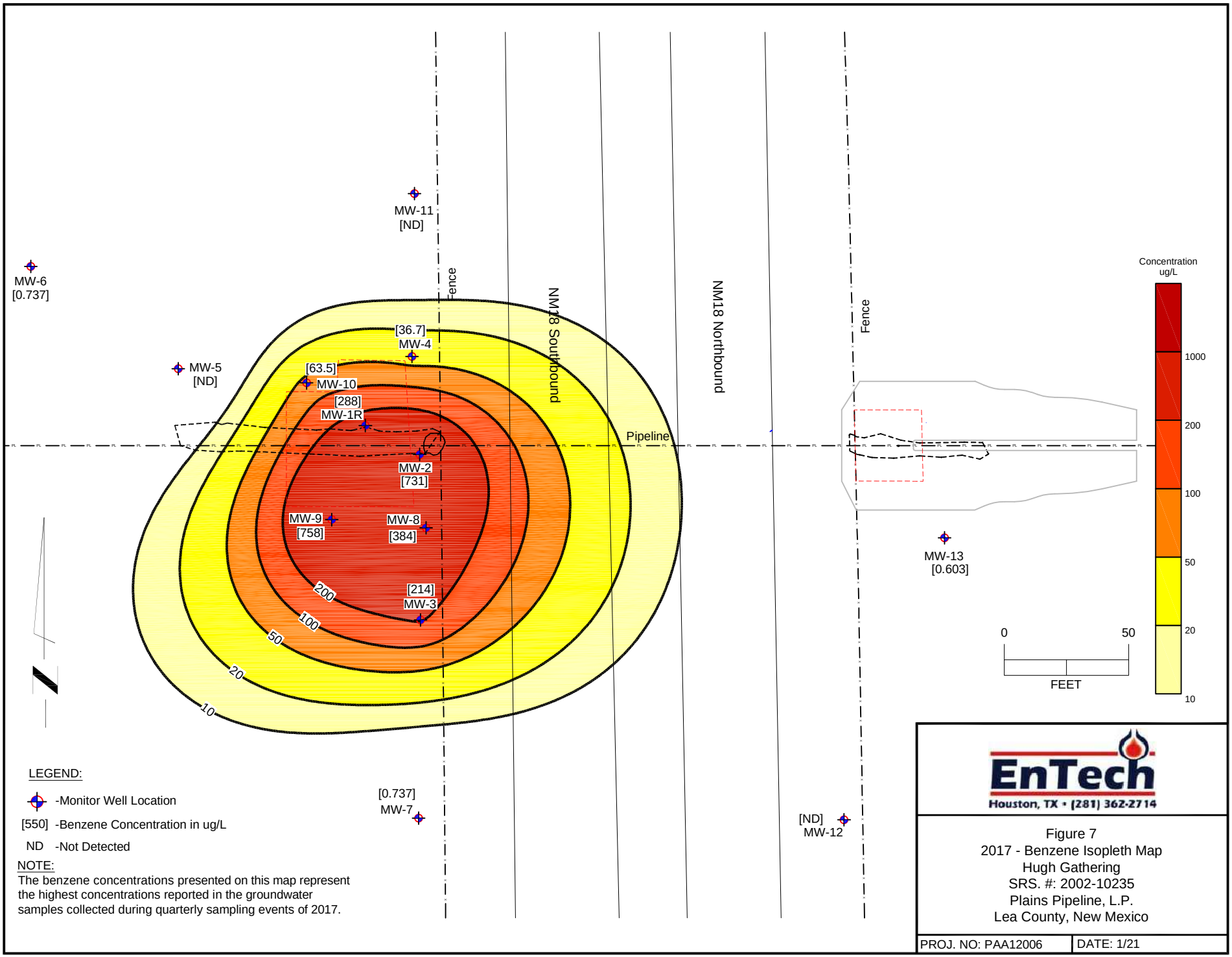
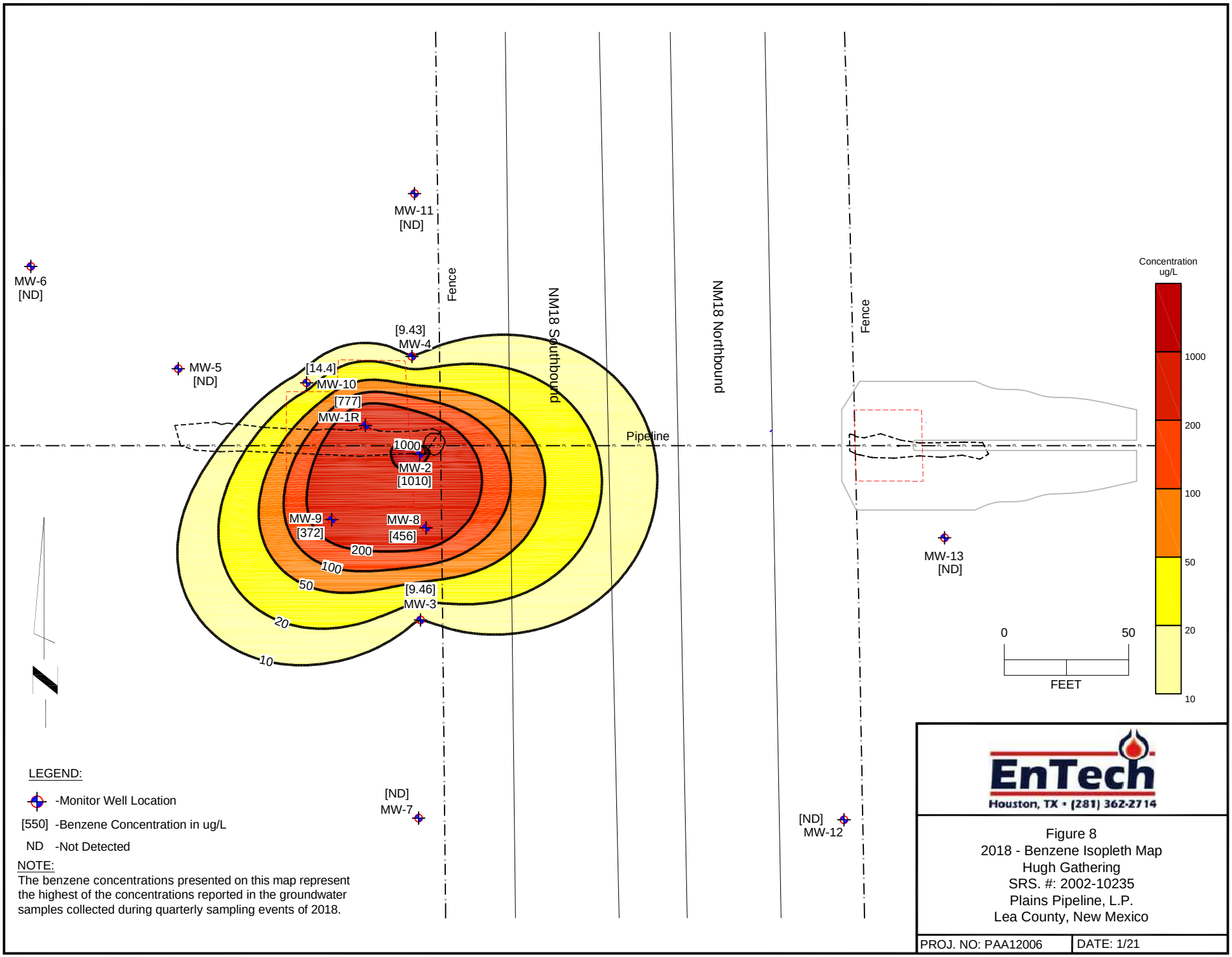
Figure 4D
4th Quarter 2023 - Groundwater Analytical Map
October 19, 2023
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico

PROJ. NO: PAA12006 | DATE: 2/24


MW-11
[ND]
MW-6
[ND]
Fence
NM18 Southbound
NM18 Northbound
Fence
Pipeline
MW-5
[0.379]
[68]
MW-4
[190]
MW-10
[1400]
MW-1R
MW-2
[1100]
1000
MW-9
[870]
MW-8
[2000]
200
100
50
[4]
MW-3
20
10
MW-13
[0.412]
Concentration
ug/L
1000
200
100
50
20
10
0
50
FEET
MW-7
[ND]
[5.55]
MW-12
LEGEND:
-Monitor Well Location
[550] -Benzene Concentration in ug/L
ND -Not Detected
NOTE:
The benzene concentrations presented on this map represent the highest of the concentrations reported in the groundwater samples collected during each quarterly sampling event during 2015.
Source of Basemap: EarthCon
EnTech
Houston, TX • (281) 362-2714
Figure 5
2015 - Benzene Isopleth Map
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 1/21


MW-11
[ND]
MW-6
[ND]
Fence
NM18 Southbound
NM18 Northbound
Fence
[3.14]
MW-4
MW-5
[ND]
[19.2]
MW-10
[366]
MW-1R
Pipeline
MW-2
[31.1]
200
MW-9
[206]
MW-8
[926]
100
50
20
10
[ND]
MW-3
MW-13
[0.555]
Concentration
ug/L
1000
200
100
50
20
10
0
50
FEET
LEGEND:
-Monitor Well Location
[550] -Benzene Concentration in ug/L
ND -Not Detected
NOTE:
The benzene concentrations presented on this map represent the highest concentrations reported in the groundwater samples collected during quarterly sampling events of 2016.
[ND]
MW-7
[0.683]
MW-12
EnTech
Houston, TX • (281) 362-2714
Figure 6
2016 - Benzene Isopleth Map
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 1/21


MW-11
[ND]
MW-6
[0.737]
MW-5
[ND]
[36.7]
MW-4
[63.5]
MW-10
[288]
MW-1R
MW-2
[731]
MW-9
[758]
MW-8
[384]
[214]
MW-3
[0.737]
MW-7
[ND]
MW-12
MW-13
[0.603]
Fence
NM18 Southbound
NM18 Northbound
Fence
Pipeline
200
100
50
20
10
Concentration
ug/L
1000
200
100
50
20
10
0
50
FEET
LEGEND:
-Monitor Well Location
[550] -Benzene Concentration in ug/L
ND -Not Detected
NOTE:
The benzene concentrations presented on this map represent the highest concentrations reported in the groundwater samples collected during quarterly sampling events of 2017.
EnTech
Houston, TX • (281) 362-2714
Figure 7
2017 - Benzene Isopleth Map
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 1/21


MW-11
[ND]
MW-6
[ND]
Fence
NM18 Southbound
NM18 Northbound
Fence
[9.43]
MW-4
MW-5
[ND]
[14.4]
MW-10
[777]
MW-1R
1000
MW-2
[1010]
Pipeline
MW-9
[372]
MW-8
[456]
200
100
50
[9.46]
MW-3
20
10
MW-13
[ND]
Concentration
ug/L
1000
200
100
50
20
10
0
50
FEET
LEGEND:
-Monitor Well Location
[550] -Benzene Concentration in ug/L
ND -Not Detected
NOTE:
The benzene concentrations presented on this map represent the highest of the concentrations reported in the groundwater samples collected during quarterly sampling events of 2018.
[ND]
MW-7
[ND]
MW-12
EnTech
Houston, TX • (281) 362-2714
Figure 8
2018 - Benzene Isopleth Map
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 1/21

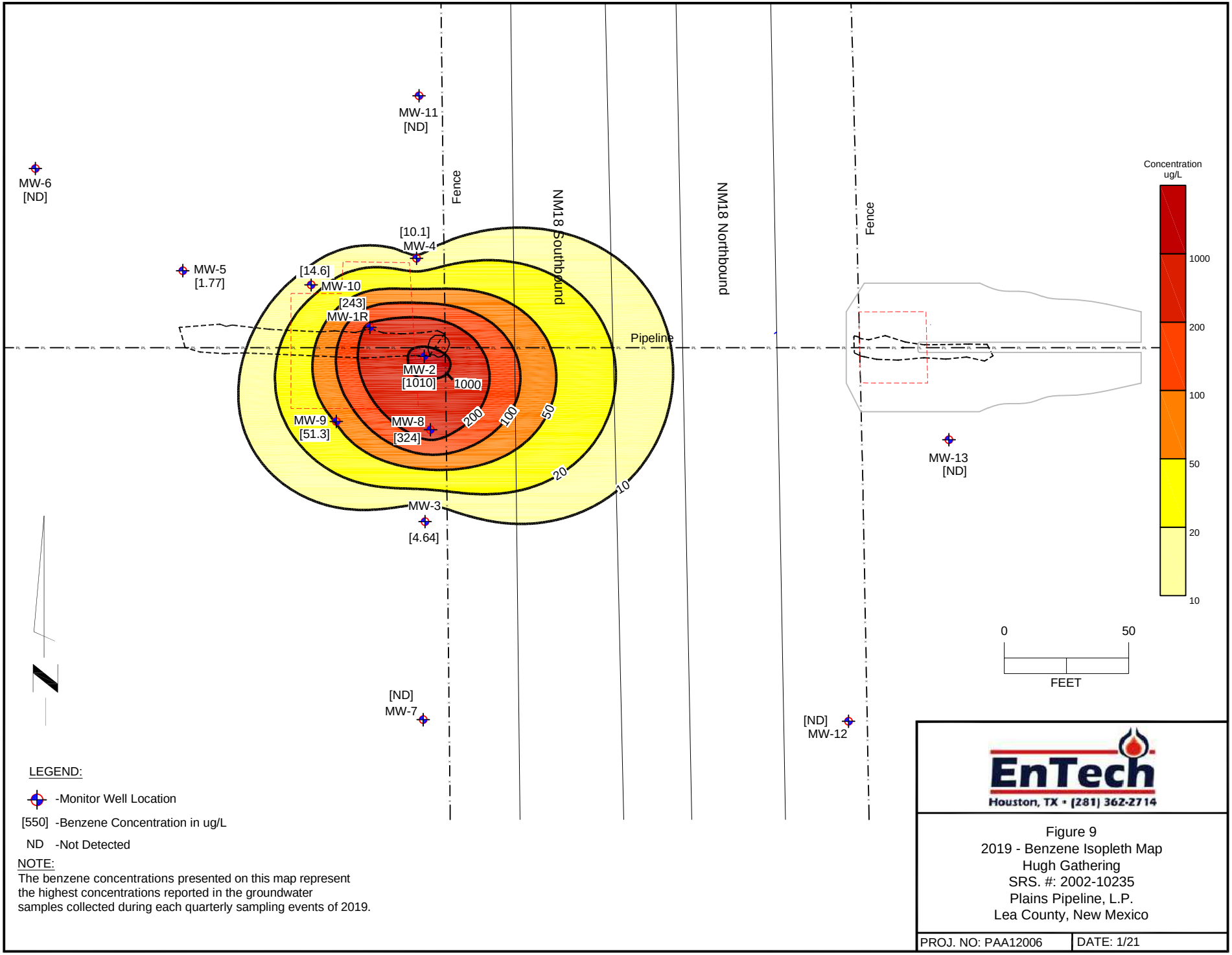

MW-11
[ND]
MW-6
[ND]
MW-5
[1.77]
[10.1]
MW-4
[14.6]
MW-10
[243]
MW-1R
MW-2
[1010]
1000
MW-9
[51.3]
MW-8
[324]
200
100
50
20
10
MW-3
[4.64]
[ND]
MW-7
[ND]
MW-12
MW-13
[ND]
Fence
NM18 Southbound
NM18 Northbound
Fence
Pipeline
Concentration
ug/L
1000
200
100
50
20
10
0
50
FEET
LEGEND:
-Monitor Well Location
[550] -Benzene Concentration in ug/L
ND -Not Detected
NOTE:
The benzene concentrations presented on this map represent
the highest concentrations reported in the groundwater
samples collected during each quarterly sampling events of 2019.
EnTech
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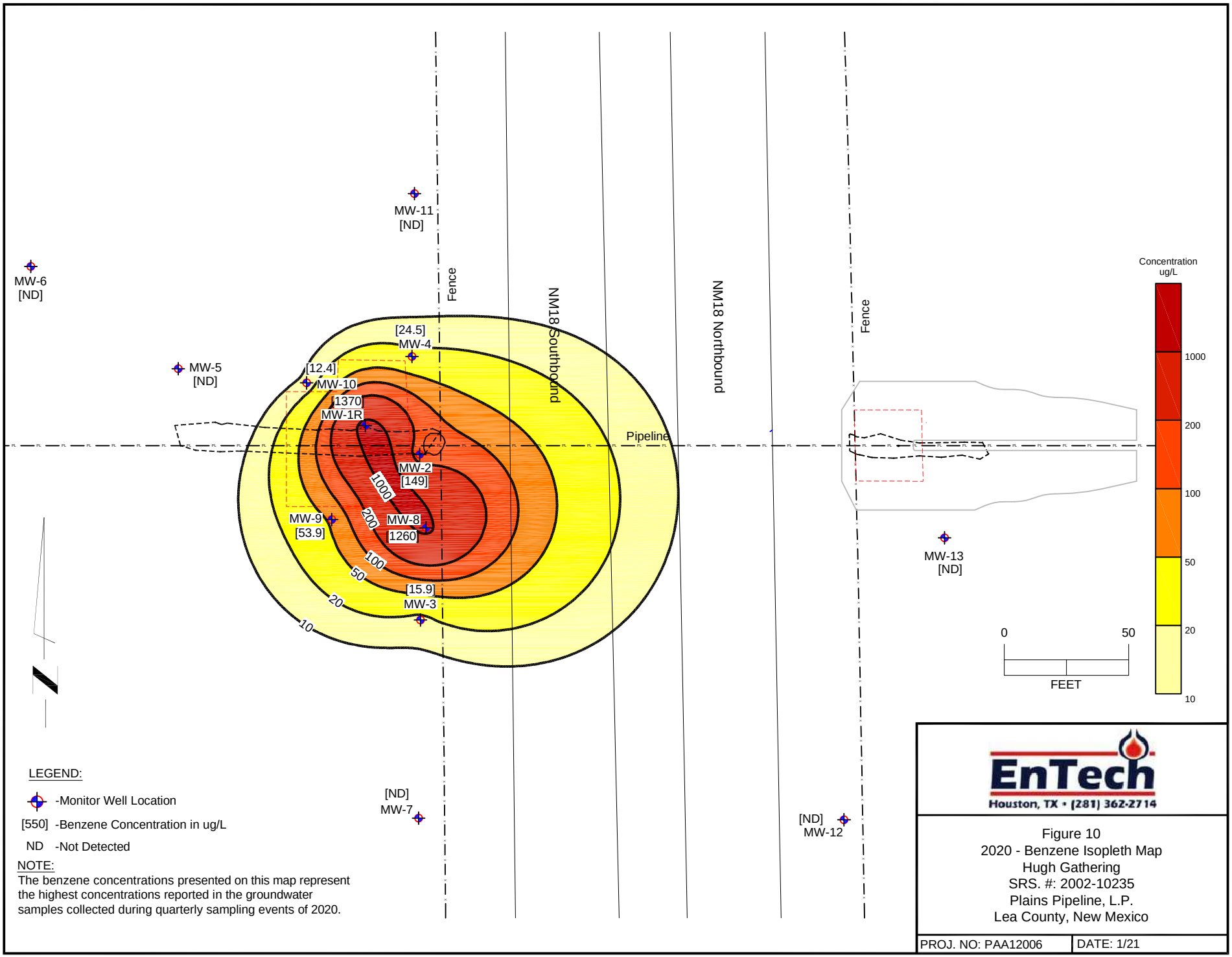
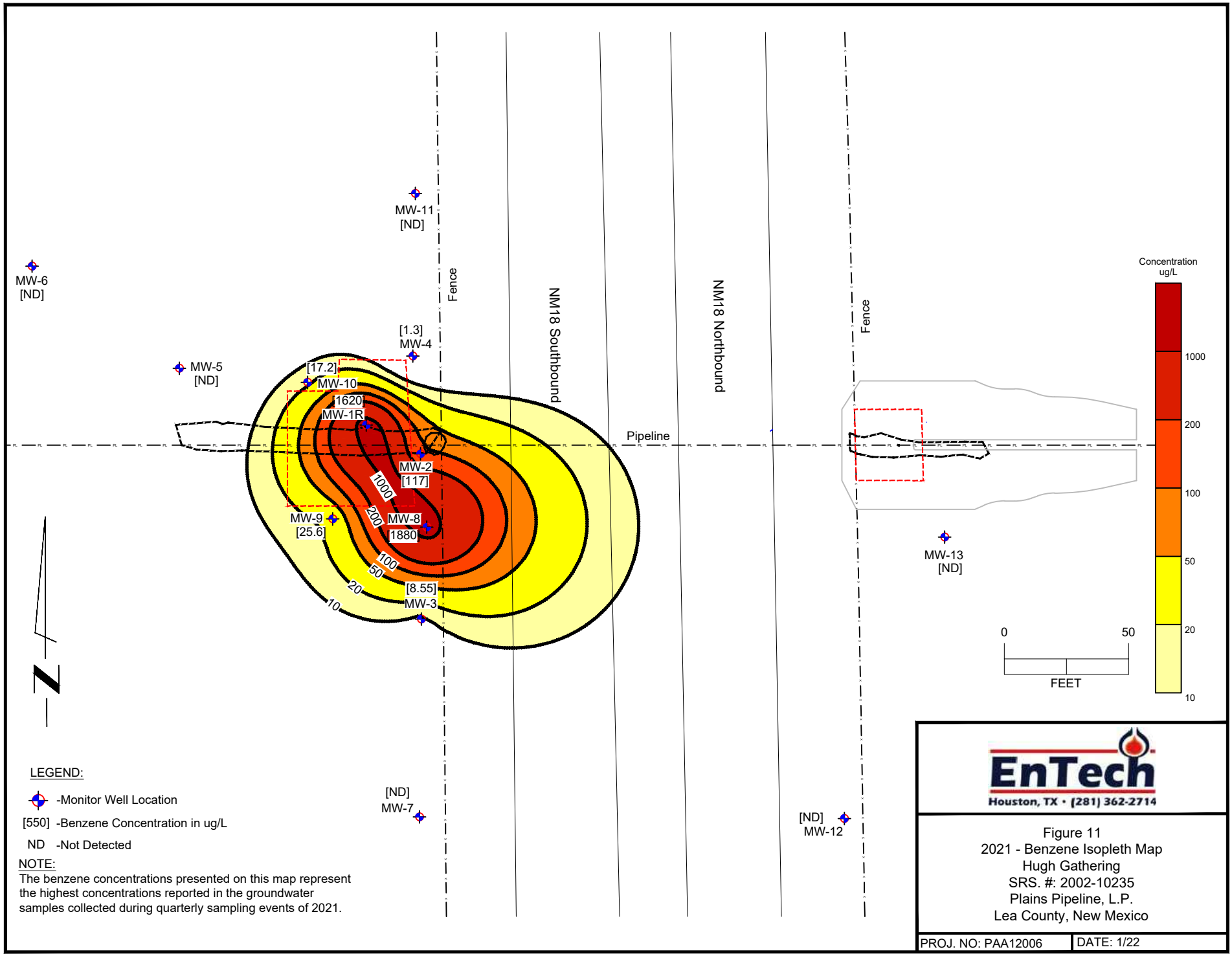
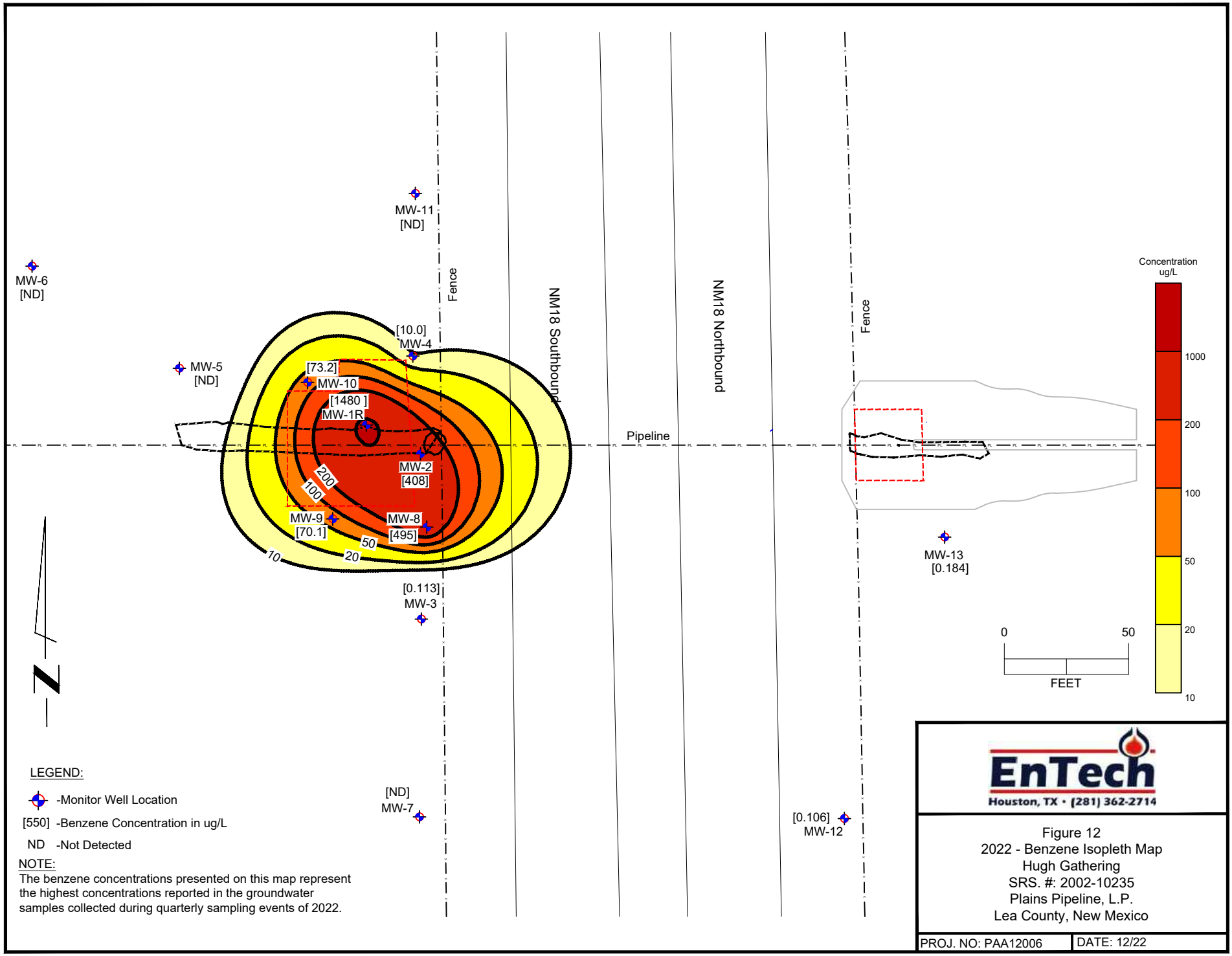
Figure 9
2019 - Benzene Isopleth Map
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 1/21


MW-11
[ND]
MW-6
[ND]
MW-5
[ND]
[24.5]
MW-4
[12.4]
MW-10
1370
MW-1R
MW-2
[149]
MW-9
[53.9]
MW-8
1260
[15.9]
MW-3
[ND]
MW-7
[ND]
MW-12
MW-13
[ND]
Fence
NM18 Southbound
NM18 Northbound
Fence
Pipeline
1000
200
100
50
20
10
Concentration
ug/L
1000
200
100
50
20
10
0
50
FEET
LEGEND:
-Monitor Well Location
[550] -Benzene Concentration in ug/L
ND -Not Detected
NOTE:
The benzene concentrations presented on this map represent the highest concentrations reported in the groundwater samples collected during quarterly sampling events of 2020.
EnTech
Houston, TX • (281) 362-2714
Figure 10
2020 - Benzene Isopleth Map
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 1/21


MW-11
[ND]
MW-6
[ND]
MW-5
[ND]
[1.3]
MW-4
[17.2]
MW-10
1620
MW-1R
MW-2
[117]
MW-9
[25.6]
MW-8
1880
[8.55]
MW-3
[ND]
MW-7
[ND]
MW-12
MW-13
[ND]
Fence
NM18 Southbound
NM18 Northbound
Fence
Pipeline
1000
200
100
50
20
10
Concentration
ug/L
1000
200
100
50
20
10
0
50
FEET
N
LEGEND:
-Monitor Well Location
[550] -Benzene Concentration in ug/L
ND -Not Detected
NOTE:
The benzene concentrations presented on this map represent the highest concentrations reported in the groundwater samples collected during quarterly sampling events of 2021.
EnTech
Houston, TX • (281) 362-2714
Figure 11
2021 - Benzene Isopleth Map
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 1/22


MW-11
[ND]
MW-6
[ND]
MW-5
[ND]
[10.0]
MW-4
[73.2]
MW-10
[1480 ]
MW-1R
MW-2
[408]
MW-9
[70.1]
MW-8
[495]
[0.113]
MW-3
[ND]
MW-7
[0.106]
MW-12
MW-13
[0.184]
Fence
NM18 Southbound
NM18 Northbound
Fence
Pipeline
200
100
50
20
10
Concentration
ug/L
1000
200
100
50
20
10
0
50
FEET
N
LEGEND:
-Monitor Well Location
[550] -Benzene Concentration in ug/L
ND -Not Detected
NOTE:
The benzene concentrations presented on this map represent the highest concentrations reported in the groundwater samples collected during quarterly sampling events of 2022.
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Houston, TX • (281) 362-2714
Figure 12
2022 - Benzene Isopleth Map
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico
PROJ. NO: PAA12006
DATE: 12/22

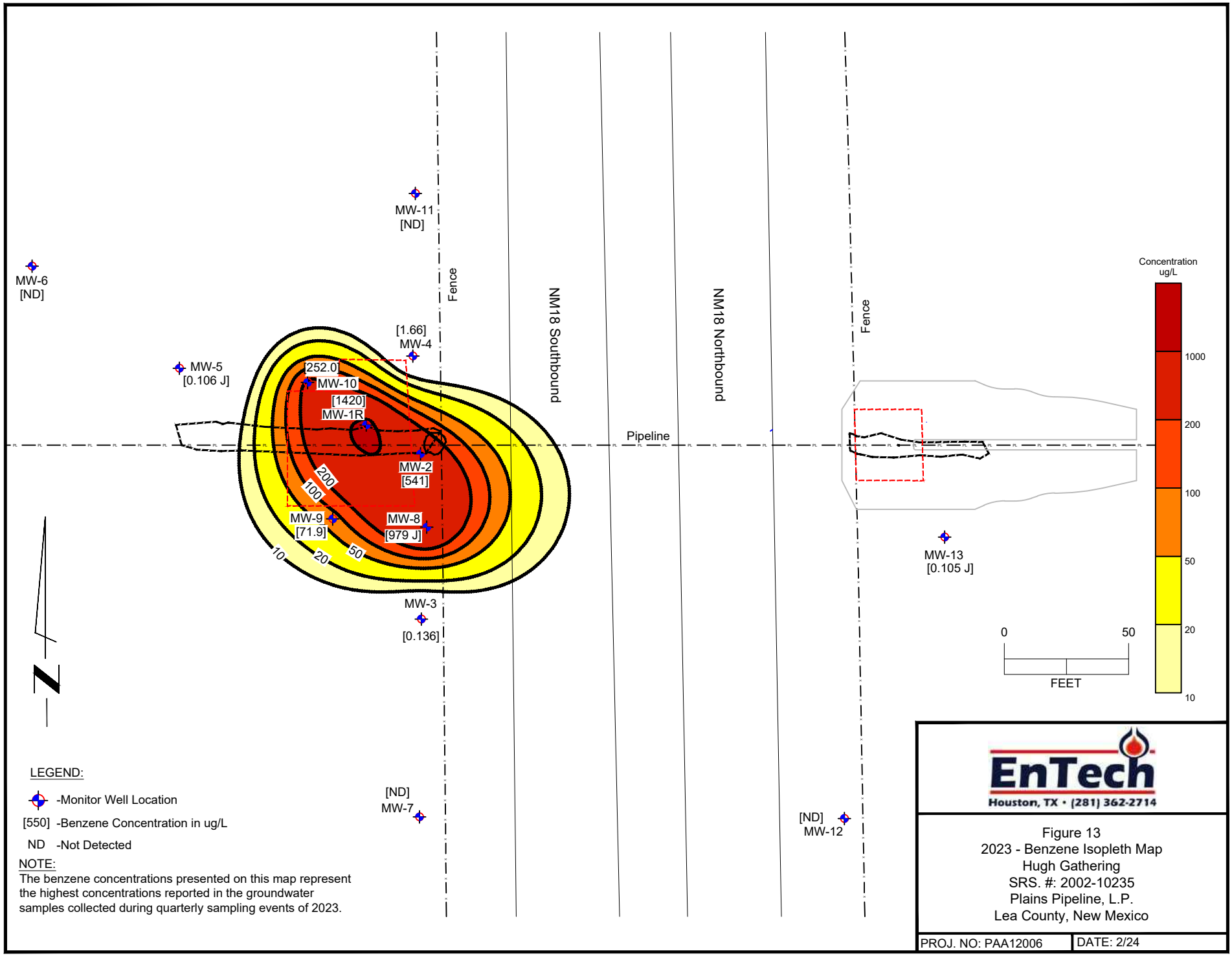


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Figure 13
2023 - Benzene Isopleth Map
Hugh Gathering
SRS. #: 2002-10235
Plains Pipeline, L.P.
Lea County, New Mexico

| PROJ. NO: PAA12006 | DATE: 2/24 |
|---|---|

# TABLES

TABLE 1
2021-2023 QUARTERLY WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Corrected Groundwater Elevation (fmsl) |
|---|---|---|---|---|---|---|
| **MW1-R** | 03/17/21 | 3429.95 | 59.76 | 60.35 | 0.59 | 3370.10 |
| **MW1-R** | 06/22/21 | 3429.95 | 59.80 | 60.70 | 0.90 | 3370.02 |
| **MW-1R** | 09/28/21 | 3429.95 | 60.13 | 60.26 | 0.13 | 3369.80 |
| **MW-1R** | 12/09/21 | 3429.95 | 60.15 | 60.68 | 0.53 | 3369.72 |
| **MW-1R** | 03/17/22 | 3429.95 | 60.15 | 60.81 | 0.66 | 3369.70 |
| **MW-1R** | 06/28/22 | 3429.95 | 60.30 | 61.10 | 0.80 | 3369.53 |
| **MW-1R** | 09/14/22 | 3429.95 | 60.41 | 60.80 | 0.39 | 3369.48 |
| **MW-1R** | 11/10/22 | 3429.95 | 60.42 | 61.10 | 0.68 | 3369.43 |
| **MW-1R** | 03/02/23 | 3429.95 | 60.45 | 61.59 | 1.14 | 3369.33 |
| **MW-1R** | 06/14/23 | 3429.95 | 60.40 | 62.20 | 1.80 | 3369.28 |
| **MW-1R** | 09/06/23 | 3429.95 | 60.54 | 62.68 | 2.14 | 3369.09 |
| **MW-1R** | 10/18/23 | 3429.95 | 60.49 | 62.61 | 2.12 | 3369.14 |
| | | | | | | |
| **MW-2** | 03/17/21 | 3429.97 | 59.60 | 59.68 | 0.08 | 3370.36 |
| **MW-2** | 06/22/21 | 3429.97 | 59.20 | 60.20 | 1.00 | 3370.62 |
| **MW-2** | 09/28/21 | 3429.97 | 59.90 | 60.08 | 0.18 | 3370.04 |
| **MW-2** | 12/09/21 | 3429.97 | 60.10 | 60.22 | 0.12 | 3369.85 |
| **MW-2** | 03/17/22 | 3429.97 | 60.10 | 60.19 | 0.09 | 3369.86 |
| **MW-2** | 06/28/22 | 3429.97 | 60.31 | 60.90 | 0.59 | 3369.57 |
| **MW-2** | 09/14/22 | 3429.97 | 60.34 | 60.41 | 0.07 | 3369.62 |
| **MW-2** | 11/10/22 | 3429.97 | 60.39 | 60.49 | 0.10 | 3369.57 |
| **MW-2** | 03/02/23 | 3429.97 | 60.49 | 60.71 | 0.22 | 3369.45 |
| **MW-2** | 06/14/23 | 3429.97 | 60.41 | 60.57 | 0.16 | 3369.54 |
| **MW-2** | 09/06/23 | 3429.97 | 60.64 | 60.88 | 0.24 | 3369.29 |
| **MW-2** | 10/18/23 | 3429.97 | 60.59 | 60.91 | 0.32 | 3369.33 |
| | | | | | | |
| **MW-3** | 03/17/21 | 3429.89 | ND | 59.84 | ND | 3370.05 |
| **MW-3** | 06/22/21 | 3429.89 | sheen | 59.95 | sheen | 3369.94 |

TABLE 1
2021-2023 QUARTERLY WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Corrected Groundwater Elevation (fmsl) |
|---|---|---|---|---|---|---|
| **MW-3** | 09/28/21 | 3429.89 | ND | 60.11 | ND | 3369.78 |
| **MW-3** | 12/09/21 | 3429.89 | ND | 60.24 | ND | 3369.65 |
| **MW-3** | 03/17/22 | 3429.89 | ND | 60.25 | ND | 3369.64 |
| **MW-3** | 06/28/22 | 3429.89 | ND | 60.44 | ND | 3369.45 |
| **MW-3** | 09/14/22 | 3429.89 | ND | 60.52 | ND | 3369.37 |
| **MW-3** | 11/10/22 | 3429.89 | ND | 60.58 | ND | 3369.31 |
| **MW-3** | 03/02/23 | 3429.89 | ND | 60.65 | ND | 3369.24 |
| **MW-3** | 06/14/23 | 3429.89 | ND | 60.68 | ND | 3369.21 |
| **MW-3** | 09/06/23 | 3429.89 | ND | 60.82 | ND | 3369.07 |
| **MW-3** | 10/18/23 | 3429.89 | ND | 60.89 | ND | 3369.00 |
| | | | | | | |
| **MW-4** | 03/17/21 | 3430.36 | 60.07 | 60.10 | 0.03 | 3370.29 |
| **MW-4** | 06/22/21 | 3430.36 | 60.22 | 60.35 | 0.13 | 3370.12 |
| **MW-4** | 09/28/21 | 3430.36 | 60.12 | 60.31 | 0.19 | 3370.21 |
| **MW-4** | 12/09/21 | 3430.36 | 60.54 | 60.55 | 0.01 | 3369.82 |
| **MW-4** | 03/17/22 | 3430.36 | 60.50 | 60.57 | 0.07 | 3369.85 |
| **MW-4** | 06/28/22 | 3430.36 | 60.08 | 61.05 | 0.97 | 3370.13 |
| **MW-4** | 09/14/22 | 3430.36 | 60.79 | 60.90 | 0.11 | 3369.55 |
| **MW-4** | 11/10/22 | 3430.36 | 60.83 | 60.85 | 0.02 | 3369.53 |
| **MW-4** | 03/02/23 | 3430.36 | 60.91 | 61.10 | 0.19 | 3369.42 |
| **MW-4** | 06/14/23 | 3430.36 | 60.95 | 61.02 | 0.07 | 3369.40 |
| **MW-4** | 09/06/23 | 3430.36 | 61.08 | 61.22 | 0.14 | 3369.26 |
| **MW-4** | 10/18/23 | 3430.36 | 61.15 | 61.29 | 0.14 | 3369.19 |
| | | | | | | |
| **MW-5** | 03/17/21 | 3428.93 | ND | 58.65 | ND | 3370.28 |
| **MW-5** | 06/22/21 | 3428.93 | ND | 58.80 | ND | 3370.13 |
| **MW-5** | 09/28/21 | 3428.93 | ND | 58.97 | ND | 3369.96 |
| **MW-5** | 12/09/21 | 3428.93 | ND | 59.11 | ND | 3369.82 |

TABLE 1
2021-2023 QUARTERLY WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Corrected Groundwater Elevation (fmsl) |
|---|---|---|---|---|---|---|
| **MW-5** | 03/17/22 | 3428.93 | ND | 59.10 | ND | 3369.83 |
| **MW-5** | 06/28/22 | 3428.93 | ND | 59.30 | ND | 3369.63 |
| **MW-5** | 09/14/22 | 3428.93 | ND | 59.39 | ND | 3369.54 |
| **MW-5** | 11/20/22 | 3428.93 | ND | 59.40 | ND | 3369.53 |
| **MW-5** | 03/02/23 | 3428.93 | ND | 59.50 | ND | 3369.43 |
| **MW-5** | 06/14/23 | 3428.93 | ND | 59.55 | ND | 3369.38 |
| **MW-5** | 09/06/23 | 3428.93 | ND | 59.75 | ND | 3369.18 |
| **MW-5** | 10/18/23 | 3428.93 | ND | 59.83 | ND | 3369.10 |
| | | | | | | |
| **MW-6** | 03/17/21 | 3429.24 | ND | 58.82 | ND | 3370.42 |
| **MW-6** | 06/22/21 | 3429.24 | ND | 58.96 | ND | 3370.28 |
| **MW-6** | 09/28/21 | 3429.24 | ND | 59.12 | ND | 3370.12 |
| **MW-6** | 12/09/21 | 3429.24 | ND | 59.25 | ND | 3369.99 |
| **MW-6** | 03/17/22 | 3429.24 | ND | 59.26 | ND | 3369.98 |
| **MW-6** | 06/28/22 | 3429.24 | ND | 59.46 | ND | 3369.78 |
| **MW-6** | 09/14/22 | 3429.24 | ND | 59.55 | ND | 3369.69 |
| **MW-6** | 11/20/22 | 3429.24 | ND | 59.59 | ND | 3369.65 |
| **MW-6** | 03/02/23 | 3429.24 | ND | 59.67 | ND | 3369.57 |
| **MW-6** | 06/14/23 | 3429.24 | ND | 59.79 | ND | 3369.45 |
| **MW-6** | 09/06/23 | 3429.24 | ND | 59.91 | ND | 3369.33 |
| **MW-6** | 10/18/23 | 3429.24 | ND | 59.99 | ND | 3369.25 |
| | | | | | | |
| **MW-7** | 03/17/21 | 3429.8 | ND | 59.81 | ND | 3369.99 |
| **MW-7** | 06/22/21 | 3429.8 | ND | 59.95 | ND | 3369.85 |
| **MW-7** | 09/28/21 | 3429.8 | ND | 60.13 | ND | 3369.67 |
| **MW-7** | 12/09/21 | 3429.8 | ND | 60.24 | ND | 3369.56 |
| **MW-7** | 03/17/22 | 3429.8 | ND | 60.25 | ND | 3369.55 |
| **MW-7** | 06/28/22 | 3429.8 | ND | 60.42 | ND | 3369.38 |

TABLE 1
2021-2023 QUARTERLY WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Corrected Groundwater Elevation (fmsl) |
|---|---|---|---|---|---|---|
| **MW-7** | 09/14/22 | 3429.8 | ND | 60.54 | ND | 3369.26 |
| **MW-7** | 11/20/22 | 3429.8 | ND | 60.58 | ND | 3369.22 |
| **MW-7** | 03/02/23 | 3429.8 | ND | 60.64 | ND | 3369.16 |
| **MW-7** | 06/14/23 | 3429.8 | ND | 60.70 | ND | 3369.10 |
| **MW-7** | 09/06/23 | 3429.8 | ND | 60.85 | ND | 3368.95 |
| **MW-7** | 10/18/23 | 3429.8 | ND | 60.81 | ND | 3368.99 |
| | | | | | | |
| **MW-8** | 03/17/21 | 3430.21 | 59.95 | 60.05 | 0.10 | 3370.25 |
| **MW-8** | 06/22/21 | 3430.21 | 60.05 | 60.30 | 0.25 | 3370.12 |
| **MW-8** | 09/28/21 | 3430.21 | 60.23 | 60.27 | 0.04 | 3369.97 |
| **MW-8** | 12/09/21 | 3430.21 | 60.38 | 60.45 | 0.07 | 3369.82 |
| **MW-8** | 03/17/22 | 3430.21 | 60.32 | 60.91 | 0.59 | 3369.80 |
| **MW-8** | 06/28/22 | 3430.21 | 60.48 | 61.00 | 0.52 | 3369.65 |
| **MW-8** | 09/14/22 | 3430.21 | 60.55 | 61.21 | 0.66 | 3369.56 |
| **MW-8** | 11/20/22 | 3430.21 | 60.50 | 61.19 | 0.69 | 3369.61 |
| **MW-8** | 03/02/23 | 3430.21 | 60.65 | 61.63 | 0.98 | 3369.41 |
| **MW-8** | 06/14/23 | 3430.21 | 60.68 | 61.80 | 1.12 | 3369.36 |
| **MW-8** | 09/06/23 | 3430.21 | 60.58 | 62.27 | 1.69 | 3369.38 |
| **MW-8** | 10/18/23 | 3430.21 | 60.64 | 62.31 | 1.67 | 3369.32 |
| | | | | | | |
| **MW-9** | 03/17/21 | 3429.88 | 59.60 | 59.65 | 0.05 | 3370.27 |
| **MW-9** | 06/22/21 | 3429.88 | 59.75 | 59.82 | 0.07 | 3370.12 |
| **MW-9** | 09/28/21 | 3429.88 | 59.87 | 59.98 | 0.11 | 3369.99 |
| **MW-9** | 12/09/21 | 3429.88 | 60.09 | 60.12 | 0.03 | 3369.79 |
| **MW-9** | 03/17/22 | 3429.88 | 60.05 | 60.12 | 0.07 | 3369.82 |
| **MW-9** | 06/28/22 | 3429.88 | 60.20 | 60.68 | 0.48 | 3369.61 |

TABLE 1
2021-2023 QUARTERLY WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Corrected Groundwater Elevation (fmsl) |
|---|---|---|---|---|---|---|
| **MW-9** | 09/14/22 | 3429.88 | 60.33 | 60.43 | 0.10 | 3369.54 |
| **MW-9** | 11/10/22 | 3429.88 | 60.38 | 60.47 | 0.09 | 3369.49 |
| **MW-9** | 03/02/23 | 3429.88 | 60.45 | 60.75 | 0.30 | 3369.39 |
| **MW-9** | 06/14/23 | 3429.88 | 60.45 | 60.50 | 0.05 | 3369.42 |
| **MW-9** | 09/06/23 | 3429.88 | 60.59 | 60.62 | 0.03 | 3369.29 |
| **MW-9** | 10/18/23 | 3429.88 | 60.59 | 60.69 | 0.10 | 3369.28 |
| | | | | | | |
| **MW-10** | 03/17/21 | 3430.65 | 60.26 | 60.70 | 0.44 | 3370.32 |
| **MW-10** | 06/22/21 | 3430.65 | 60.40 | 60.53 | 0.13 | 3370.23 |
| **MW-10** | 09/28/21 | 3430.65 | 60.52 | 60.60 | 0.08 | 3370.12 |
| **MW-10** | 12/09/21 | 3430.65 | 60.75 | 60.81 | 0.06 | 3369.89 |
| **MW-10** | 03/17/22 | 3430.65 | 60.70 | 61.05 | 0.35 | 3369.90 |
| **MW-10** | 06/28/22 | 3430.65 | 60.90 | 60.95 | 0.05 | 3369.74 |
| **MW-10** | 09/14/22 | 3430.65 | 61.00 | 61.08 | 0.08 | 3369.64 |
| **MW-10** | 11/10/22 | 3430.65 | 61.02 | 61.05 | 0.03 | 3369.63 |
| **MW-10** | 03/02/23 | 3430.65 | 61.10 | 61.30 | 0.20 | 3369.52 |
| **MW-10** | 06/14/23 | 3430.65 | 61.12 | 61.30 | 0.18 | 3369.50 |
| **MW-10** | 09/06/23 | 3430.65 | 61.17 | 61.41 | 0.24 | 3369.44 |
| **MW-10** | 10/18/23 | 3430.65 | 61.21 | 61.29 | 0.08 | 3369.43 |
| | | | | | | |
| **MW-11** | 03/17/21 | 3430.94 | ND | 60.58 | ND | 3370.36 |
| **MW-11** | 06/22/21 | 3430.94 | ND | 60.73 | ND | 3370.21 |
| **MW-11** | 09/28/21 | 3430.94 | ND | 60.88 | ND | 3370.06 |
| **MW-11** | 12/09/21 | 3430.94 | ND | 61.01 | ND | 3369.93 |
| **MW-11** | 03/17/22 | 3430.94 | ND | 61.01 | ND | 3369.93 |
| **MW-11** | 06/28/22 | 3430.94 | ND | 61.20 | ND | 3369.74 |
| **MW-11** | 09/14/22 | 3430.94 | ND | 61.27 | ND | 3369.67 |
| **MW-11** | 11/10/22 | 3430.94 | ND | 61.31 | ND | 3369.63 |

TABLE 1
2021-2023 QUARTERLY WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Corrected Groundwater Elevation (fmsl) |
|---|---|---|---|---|---|---|
| **MW-11** | 03/02/23 | 3430.94 | ND | 61.40 | ND | 3369.54 |
| **MW-11** | 06/14/23 | 3430.94 | ND | 61.45 | ND | 3369.49 |
| **MW-11** | 09/06/23 | 3430.94 | ND | 61.60 | ND | 3369.34 |
| **MW-11** | 10/18/23 | 3430.94 | ND | 61.48 | ND | 3369.46 |
| | | | | | | |
| **MW-12** | 03/17/21 | 3426.47 | ND | 56.55 | ND | 3369.92 |
| **MW-12** | 06/22/21 | 3426.47 | ND | 56.75 | ND | 3369.72 |
| **MW-12** | 09/28/21 | 3426.47 | ND | 56.82 | ND | 3369.65 |
| **MW-12** | 12/09/21 | 3426.47 | ND | 56.95 | ND | 3369.52 |
| **MW-12** | 03/17/22 | 3426.47 | ND | 56.96 | ND | 3369.51 |
| **MW-12** | 06/28/22 | 3426.47 | ND | 57.15 | ND | 3369.32 |
| **MW-12** | 09/14/22 | 3426.47 | ND | 57.25 | ND | 3369.22 |
| **MW-12** | 11/10/22 | 3426.47 | ND | 57.29 | ND | 3369.18 |
| **MW-12** | 03/02/23 | 3426.47 | ND | 57.35 | ND | 3369.12 |
| **MW-12** | 06/14/23 | 3426.47 | ND | 57.39 | ND | 3369.08 |
| **MW-12** | 09/06/23 | 3426.47 | ND | 57.52 | ND | 3368.95 |
| **MW-12** | 10/18/23 | 3426.47 | ND | 57.64 | ND | 3368.83 |
| | | | | | | |
| **MW 13** | 03/17/21 | 3431.13 | ND | 61.20 | ND | 3369.93 |
| **MW 13** | 06/22/21 | 3431.13 | ND | 61.34 | ND | 3369.79 |
| **MW 13** | 09/28/21 | 3431.13 | ND | 61.46 | ND | 3369.67 |
| **MW 13** | 12/09/21 | 3431.13 | ND | 61.60 | ND | 3369.53 |
| **MW 13** | 03/17/22 | 3431.13 | ND | 61.60 | ND | 3369.53 |
| **MW 13** | 06/28/22 | 3431.13 | ND | 61.78 | ND | 3369.35 |
| **MW 13** | 09/14/22 | 3431.13 | ND | 61.86 | ND | 3369.27 |
| **MW 13** | 11/10/22 | 3431.13 | ND | 61.90 | ND | 3369.23 |
| **MW 13** | 03/02/23 | 3431.13 | ND | 62.00 | ND | 3369.13 |
| **MW 13** | 06/14/23 | 3431.13 | ND | 62.05 | ND | 3369.08 |

TABLE 1
2021-2023 QUARTERLY WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Corrected Groundwater Elevation (fmsl) |
|---|---|---|---|---|---|---|
| **MW 13** | 09/06/23 | 3431.13 | ND | 62.18 | ND | 3368.95 |
| **MW 13** | 10/18/23 | 3431.13 | ND | 62.30 | ND | 3368.83 |

fmsl: feet above meal sea level, based om NAVD 88
NA: Not applicable
ND: Not detected
NG: Not Gauged

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW1-R | 01/03/18 | 3429.95 | 69.59 | 58.86 | 59.14 | 0.28 | NA | 0.25 | 9.75 | 3371.05 | |
| MW1-R | 01/10/18 | 3429.95 | 69.59 | 58.80 | 59.05 | 0.25 | NA | 0.25 | 9.75 | 3371.11 | |
| MW1-R | 01/18/18 | 3429.95 | 69.59 | 58.84 | 58.95 | 0.11 | NA | sheen | 10.00 | 3371.09 | |
| MW1-R | 01/26/18 | 3429.95 | 69.59 | 58.76 | 58.90 | 0.14 | NA | 1.00 | 9.00 | 3371.17 | |
| MW1-R | 02/01/18 | 3429.95 | 69.59 | 58.71 | 59.40 | 0.69 | NA | 1.00 | 9.00 | 3371.14 | |
| MW1-R | 02/08/18 | 3429.95 | 69.59 | 58.53 | 58.54 | 0.01 | NA | 1.00 | 9.00 | 3371.42 | |
| MW1-R | 02/14/18 | 3429.95 | 69.59 | 58.73 | 58.94 | 0.21 | NA | 0.25 | 9.75 | 3371.19 | |
| MW1-R | 02/21/18 | 3429.95 | 69.59 | 58.75 | 58.90 | 0.15 | NA | sheen | 10.00 | 3371.18 | |
| MW1-R | 02/28/18 | 3429.95 | 69.59 | 58.74 | 58.83 | 0.09 | NA | sheen | 10.00 | 3371.20 | |
| MW1-R | 03/09/18 | 3429.95 | 69.59 | 58.88 | 59.01 | 0.13 | NA | NA | NA | 3371.05 | |
| MW1-R | 03/15/18 | 3429.95 | 69.59 | 58.85 | 59.02 | 0.17 | NA | sheen | 10.00 | 3371.07 | |
| MW1-R | 03/22/18 | 3429.95 | 69.59 | 58.86 | 58.96 | 0.10 | NA | sheen | 10.00 | 3371.08 | |
| MW1-R | 03/28/18 | 3429.95 | 69.59 | 58.85 | 59.00 | 0.15 | NA | 1.00 | 9.00 | 3371.08 | |
| MW1-R | 04/03/18 | 3429.95 | 69.59 | 58.89 | 59.02 | 0.13 | NA | sheen | 10.00 | 3371.04 | |
| MW1-R | 04/10/18 | 3429.95 | 69.59 | 58.94 | 59.05 | 0.11 | NA | sheen | 10.00 | 3370.99 | |
| MW1-R | 04/19/18 | 3429.95 | 69.59 | 58.97 | 59.05 | 0.08 | NA | sheen | 10.00 | 3370.97 | |
| MW1-R | 04/25/18 | 3429.95 | 69.59 | 59.00 | 59.08 | 0.08 | NA | sheen | 10.00 | 3370.94 | |
| MW1-R | 05/02/18 | 3429.95 | 69.59 | 58.78 | 58.87 | 0.09 | NA | sheen | 10.00 | 3371.16 | |
| MW1-R | 05/10/18 | 3429.95 | 69.59 | 58.93 | 59.05 | 0.12 | NA | sheen | 10.00 | 3371.00 | |
| MW1-R | 05/15/18 | 3429.95 | 69.59 | 58.95 | 59.03 | 0.08 | NA | sheen | 10.00 | 3370.99 | |
| MW1-R | 05/23/18 | 3429.95 | 69.59 | 58.96 | 59.02 | 0.06 | NA | sheen | 10.00 | 3370.98 | |
| MW1-R | 06/07/18 | 3429.95 | 69.59 | 59.00 | 59.23 | 0.23 | NA | NA | NA | 3370.92 | Sampled |
| MW1-R | 06/13/18 | 3429.95 | 69.59 | 59.05 | 59.18 | 0.13 | NA | sheen | 10.00 | 3370.88 | |
| MW1-R | 06/20/18 | 3429.95 | 69.59 | 58.94 | 58.97 | 0.03 | NA | sheen | 10.00 | 3371.01 | |
| MW1-R | 06/28/18 | 3429.95 | 69.59 | 59.01 | 59.23 | 0.22 | NA | 0.25 | 9.75 | 3370.91 | |
| MW1-R | 07/05/18 | 3429.95 | 69.59 | 59.05 | 59.25 | 0.20 | NA | 0.25 | 9.75 | 3370.87 | |
| MW1-R | 07/12/18 | 3429.95 | 69.59 | 59.08 | 59.22 | 0.14 | NA | sheen | 10.00 | 3370.85 | |
| MW1-R | 07/20/18 | 3429.95 | 69.59 | 59.06 | 59.30 | 0.24 | NA | 0.25 | 9.75 | 3370.85 | |
| MW1-R | 08/01/18 | 3429.95 | 69.59 | 59.10 | 59.28 | 0.18 | NA | sheen | 10.00 | 3370.82 | |
| MW1-R | 08/08/18 | 3429.95 | 69.59 | 59.11 | 59.27 | 0.16 | NA | sheen | 10.00 | 3370.82 | |
| MW1-R | 08/21/18 | 3429.95 | 69.59 | 59.10 | 59.31 | 0.21 | NA | sheen | 10.00 | 3370.82 | |
| MW1-R | 08/30/18 | 3429.95 | 69.59 | 59.12 | 59.34 | 0.22 | NA | sheen | 10.00 | 3370.80 | |
| MW1-R | 09/12/18 | 3429.95 | 69.59 | 59.24 | 59.39 | 0.15 | NA | sheen | 10.00 | 3370.69 | |
| MW1-R | 09/26/18 | 3429.95 | 69.59 | 59.29 | 59.41 | 0.12 | NA | sheen | 10.00 | 3370.64 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW1-R | 10/04/18 | 3429.95 | 69.59 | 59.31 | 59.40 | 0.09 | NA | sheen | 10.00 | 3370.63 | |
| MW1-R | 10/11/18 | 3429.95 | 69.59 | 59.30 | 59.43 | 0.13 | NA | sheen | 10.00 | 3370.63 | |
| MW1-R | 10/17/18 | 3429.95 | 69.59 | 59.15 | 59.21 | 0.06 | NA | sheen | 10.00 | 3370.79 | |
| MW1-R | 10/24/18 | 3429.95 | 69.59 | 59.10 | 59.14 | 0.04 | NA | sheen | 10.00 | 3370.84 | |
| MW1-R | 11/01/18 | 3429.95 | 69.59 | 59.26 | 59.34 | 0.08 | NA | sheen | 10.00 | 3370.68 | |
| MW1-R | 11/07/18 | 3429.95 | 69.59 | 59.32 | 59.44 | 0.12 | NA | sheen | 10.00 | 3370.61 | |
| MW1-R | 11/13/18 | 3429.95 | 69.59 | 59.38 | 59.50 | 0.12 | NA | sheen | 10.00 | 3370.55 | |
| MW1-R | 11/21/18 | 3429.95 | 69.59 | 59.12 | 59.25 | 0.13 | NA | sheen | 10.00 | 3370.81 | |
| MW1-R | 11/30/18 | 3429.95 | 69.59 | 59.05 | 59.21 | 0.16 | NA | sheen | 10.00 | 3370.88 | |
| MW1-R | 12/07/18 | 3429.95 | 69.59 | 59.09 | 59.18 | 0.09 | NA | sheen | 10.00 | 3370.85 | |
| MW1-R | 12/13/18 | 3429.95 | 69.59 | 59.09 | 59.25 | 0.16 | NA | sheen | 10.00 | 3370.84 | |
| MW1-R | 12/19/18 | 3429.95 | 69.59 | 59.10 | 59.21 | 0.11 | NA | sheen | 10.00 | 3370.83 | |
| MW1-R | 01/03/19 | 3429.95 | 69.59 | 59.15 | 59.30 | 0.15 | NA | 0.25 | 9.75 | 3370.78 | |
| MW1-R | 01/09/19 | 3429.95 | 69.59 | 59.18 | 59.40 | 0.22 | NA | 0.25 | 9.75 | 3370.74 | |
| MW1-R | 01/18/19 | 3429.95 | 69.59 | 58.97 | 60.68 | 1.71 | NA | 1.50 | 8.50 | 3370.72 | |
| MW1-R | 01/23/19 | 3429.95 | 69.59 | 59.00 | 60.70 | 1.70 | NA | 2.00 | 8.00 | 3370.70 | |
| MW1-R | 01/30/19 | 3429.95 | 69.59 | 59.15 | 59.36 | 0.21 | NA | sheen | 10.00 | 3370.77 | |
| MW1-R | 02/06/19 | 3429.95 | 69.59 | 59.23 | 59.36 | 0.13 | NA | sheen | 10.00 | 3370.70 | |
| MW1-R | 02/14/19 | 3429.95 | 69.59 | 58.96 | 59.12 | 0.16 | NA | NA | NA | 3370.97 | |
| MW1-R | 02/22/19 | 3429.95 | 69.59 | 58.99 | 60.81 | 1.82 | NA | 2.00 | 8.00 | 3370.69 | |
| MW1-R | 02/28/19 | 3429.95 | 69.59 | 59.00 | 59.15 | 0.15 | NA | sheen | 10.00 | 3370.93 | |
| MW1-R | 03/06/19 | 3429.95 | 69.59 | 59.08 | 59.20 | 0.12 | NA | sheen | 10.00 | 3370.85 | |
| MW1-R | 03/12/19 | 3429.95 | 69.59 | 59.06 | 59.19 | 0.13 | NA | sheen | 10.00 | 3370.87 | |
| MW1-R | 03/22/19 | 3429.95 | 69.59 | 59.07 | 59.16 | 0.09 | NA | sheen | 10.00 | 3370.87 | |
| MW1-R | 03/28/19 | 3429.95 | 69.59 | 58.99 | 59.10 | 0.11 | NA | sheen | 10.00 | 3370.94 | |
| MW1-R | 04/03/19 | 3429.95 | 69.59 | 59.01 | 59.15 | 0.14 | NA | sheen | 10.00 | 3370.92 | |
| MW1-R | 04/11/19 | 3429.95 | 69.59 | 58.96 | 59.10 | 0.14 | NA | sheen | 10.00 | 3370.97 | |
| MW1-R | 04/16/19 | 3429.95 | 69.59 | 58.99 | 59.11 | 0.12 | NA | sheen | 10.00 | 3370.94 | |
| MW1-R | 04/25/19 | 3429.95 | 69.59 | 59.01 | 59.16 | 0.15 | NA | sheen | 10.00 | 3370.92 | |
| MW1-R | 05/01/19 | 3429.95 | 69.59 | 58.88 | 59.00 | 0.12 | NA | sheen | 10.00 | 3371.05 | |
| MW1-R | 05/14/19 | 3429.95 | 69.59 | 59.10 | 59.31 | 0.21 | NA | NA | NA | 3370.82 | Sampled |
| MW1-R | 05/24/19 | 3429.95 | 69.59 | 59.15 | 59.28 | 0.13 | NA | sheen | 10.00 | 3370.78 | |
| MW1-R | 06/05/19 | 3429.95 | 69.59 | 59.20 | 59.32 | 0.12 | NA | sheen | 10.00 | 3370.73 | |
| MW1-R | 06/14/19 | 3429.95 | 69.59 | 59.32 | 59.63 | 0.31 | NA | 0.50 | 9.50 | 3370.58 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW1-R | 06/20/19 | 3429.95 | 69.59 | 59.22 | 59.36 | 0.14 | NA | sheen | 10.00 | 3370.71 | |
| MW1-R | 06/26/19 | 3429.95 | 69.59 | 59.38 | 59.86 | 0.48 | NA | 0.50 | 9.50 | 3370.50 | |
| MW1-R | 07/03/19 | 3429.95 | 69.59 | 59.38 | 59.88 | 0.50 | NA | 0.50 | 9.50 | 3370.50 | |
| MW1-R | 07/11/19 | 3429.95 | 69.59 | 59.49 | 59.63 | 0.14 | NA | 0.25 | 9.75 | 3370.44 | |
| MW1-R | 07/26/19 | 3429.95 | 69.59 | 59.58 | 59.85 | 0.27 | NA | 0.25 | 9.75 | 3370.33 | |
| MW1-R | 08/10/19 | 3429.95 | 69.59 | 59.56 | 59.77 | 0.21 | NA | 0.25 | 9.75 | 3370.36 | |
| MW1-R | 08/15/19 | 3429.95 | 69.59 | 59.54 | 59.76 | 0.22 | NA | 0.25 | 9.75 | 3370.38 | |
| MW1-R | 08/27/19 | 3429.95 | 69.59 | 59.62 | 59.80 | 0.18 | NA | sheen | 10.00 | 3370.30 | |
| MW1-R | 09/06/19 | 3429.95 | 69.59 | 59.58 | 59.84 | 0.26 | NA | sheen | 10.00 | 3370.33 | |
| MW1-R | 09/13/19 | 3429.95 | 69.59 | 56.60 | 59.80 | 3.20 | NA | sheen | 10.00 | 3372.87 | |
| MW1-R | 09/20/19 | 3429.95 | 69.59 | 60.23 | 60.54 | 0.31 | NA | 0.25 | 9.75 | 3369.67 | |
| MW1-R | 10/09/19 | 3429.95 | 69.59 | 59.30 | 60.01 | 0.71 | NA | 0.25 | 9.75 | 3370.54 | |
| MW1-R | 10/17/19 | 3429.95 | 69.59 | 59.56 | 59.98 | 0.42 | NA | 0.25 | 9.75 | 3370.33 | |
| MW1-R | 10/24/19 | 3429.95 | 69.59 | 59.84 | 59.98 | 0.14 | NA | 0.25 | 9.75 | 3370.09 | |
| MW1-R | 11/01/19 | 3429.95 | 69.59 | 59.51 | 59.70 | 0.19 | NA | 1.00 | 9.00 | 3370.41 | |
| MW1-R | 11/08/19 | 3429.95 | 69.59 | 59.48 | 59.85 | 0.37 | NA | sheen | 10.00 | 3370.41 | |
| MW1-R | 11/15/19 | 3429.95 | 69.59 | 59.65 | 59.87 | 0.22 | NA | 0.25 | 9.75 | 3370.27 | |
| MW1-R | 11/19/19 | 3429.95 | 69.59 | 59.44 | 59.81 | 0.37 | NA | sheen | 10.00 | 3370.45 | |
| MW1-R | 11/26/19 | 3429.95 | 69.59 | 59.42 | 59.92 | 0.50 | NA | 0.25 | 9.75 | 3370.46 | |
| MW1-R | 12/04/19 | 3429.95 | 69.59 | 59.40 | 59.94 | 0.54 | NA | sheen | 10.00 | 3370.47 | |
| MW1-R | 12/13/19 | 3429.95 | 69.59 | 59.43 | 59.72 | 0.29 | NA | 0.25 | 9.75 | 3370.48 | |
| MW1-R | 12/20/19 | 3429.95 | 69.59 | 59.39 | 59.70 | 0.31 | NA | 0.25 | 9.75 | 3370.51 | |
| MW1-R | 12/27/19 | 3429.95 | 69.59 | 59.32 | 59.60 | 0.28 | NA | 0.25 | 9.75 | 3370.59 | |
| MW1-R | 01/03/20 | 3429.95 | 69.59 | 59.33 | 59.76 | 0.43 | NA | sheen | 10.00 | 3370.56 | |
| MW1-R | 01/09/20 | 3429.95 | 69.59 | 59.44 | 59.77 | 0.33 | NA | sheen | 10.00 | 3370.46 | |
| MW1-R | 01/15/20 | 3429.95 | 69.59 | 59.44 | 59.72 | 0.28 | NA | sheen | 10.00 | 3370.47 | |
| MW1-R | 01/30/20 | 3429.95 | 69.59 | 59.46 | 59.88 | 0.42 | NA | 0.25 | 9.75 | 3370.43 | |
| MW1-R | 02/12/20 | 3429.95 | 69.59 | 59.42 | 60.00 | 0.58 | NA | 0.50 | 9.50 | 3370.44 | |
| MW1-R | 02/27/20 | 3429.95 | 69.59 | 59.43 | 60.10 | 0.67 | NA | 0.25 | 9.75 | 3370.42 | |
| MW1-R | 03/04/20 | 3429.95 | 69.59 | 59.34 | 60.02 | 0.68 | NA | sheen | 10.00 | 3370.51 | |
| MW1-R | 03/12/20 | 3429.95 | 69.59 | 59.44 | 60.00 | 0.56 | NA | 0.25 | 9.75 | 3370.43 | |
| MW1-R | 03/17/20 | 3429.95 | 69.59 | 59.45 | 59.94 | 0.49 | NA | NA | NA | 3370.43 | |
| MW1-R | 03/23/20 | 3429.95 | 69.59 | 59.46 | 59.89 | 0.43 | NA | 0.50 | 9.50 | 3370.43 | |
| MW1-R | 05/07/20 | 3429.95 | 69.59 | 59.21 | 60.42 | 1.21 | NA | NA | NA | 3370.56 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW1-R | 05/29/20 | 3429.95 | 69.59 | 59.28 | 60.20 | 0.92 | NA | 2.00 | 8.00 | 3370.53 | |
| MW1-R | 06/12/20 | 3429.95 | 69.59 | 60.15 | 60.24 | 0.09 | NA | 1.00 | 9.00 | 3369.79 | |
| MW1-R | 06/18/20 | 3429.95 | 69.59 | 59.42 | 59.62 | 0.20 | NA | 0.25 | 9.75 | 3370.50 | |
| MW1-R | 07/21/20 | 3429.95 | 69.59 | 59.44 | 60.45 | 1.01 | NA | 2.00 | 8.00 | 3370.36 | |
| MW1-R | 08/05/20 | 3429.95 | 69.59 | 59.44 | 59.48 | 0.04 | NA | 0.25 | 9.75 | 3370.50 | |
| MW-1R | 09/17/20 | 3429.95 | 69.59 | 59.50 | 61.15 | 1.65 | NA | 3.00 | 7.00 | 3370.20 | |
| MW1-R | 09/24/20 | 3429.95 | 69.59 | 59.37 | 61.30 | 1.93 | NA | 3.00 | 7.00 | 3370.29 | |
| MW1-R | 10/14/20 | 3429.95 | 69.59 | 59.50 | 60.05 | 0.55 | NA | 0.50 | 9.50 | 3370.37 | |
| MW1-R | 10/30/20 | 3429.95 | 69.59 | 59.45 | 59.60 | 0.15 | NA | 0.25 | 9.75 | 3370.48 | |
| MW1-R | 11/11/20 | 3429.95 | 69.59 | 59.47 | 59.62 | 0.15 | NA | 0.50 | 9.50 | 3370.46 | |
| MW1-R | 11/25/20 | 3429.95 | 69.59 | 59.60 | 59.80 | 0.20 | NA | 0.25 | 9.75 | 3370.32 | |
| MW1-R | 12/11/20 | 3429.95 | 69.59 | 59.55 | 59.91 | 0.36 | NA | 0.25 | 9.75 | 3370.35 | |
| MW1-R | 12/22/20 | 3429.95 | 69.59 | 59.40 | 59.81 | 0.41 | NA | 1.00 | 9.00 | 3370.49 | |
| MW1-R | 01/06/21 | 3429.95 | 69.59 | 59.61 | 61.12 | 1.51 | NA | 1.00 | 14.00 | 3370.11 | |
| MW-1R | 01/19/21 | 3429.95 | 69.59 | 59.54 | 59.86 | 0.32 | NA | 1.00 | 9.00 | 3370.36 | |
| MW1-R | 02/03/21 | 3429.95 | 69.59 | 59.68 | 60.63 | 0.95 | NA | 1.00 | 9.00 | 3370.13 | |
| MW1-R | 02/25/21 | 3429.95 | 69.59 | 59.62 | 61.00 | 1.38 | NA | 2.00 | 8.00 | 3370.12 | |
| MW1-R | 03/03/21 | 3429.95 | 69.59 | 59.60 | 61.05 | 1.45 | NA | 3.00 | 12.00 | 3370.13 | |
| MW1-R | 03/17/21 | 3429.95 | 69.59 | 59.76 | 60.35 | 0.59 | NA | 0.50 | 9.50 | 3370.10 | |
| MW1-R | 03/31/21 | 3429.95 | 69.59 | 59.73 | 60.55 | 0.82 | NA | 1.00 | 9.00 | 3370.10 | |
| MW1-R | 04/15/21 | 3429.95 | 69.59 | 59.81 | 59.93 | 0.12 | NA | sheen | 10.00 | 3370.12 | |
| MW1-R | 04/28/21 | 3429.95 | 69.59 | 59.82 | 60.48 | 0.66 | NA | 1.00 | 9.00 | 3370.03 | |
| MW1-R | 05/21/21 | 3429.95 | 69.59 | 59.72 | 60.51 | 0.79 | NA | 1.00 | 9.00 | 3370.11 | |
| MW1-R | 05/28/21 | 3429.95 | 69.59 | 60.10 | 61.00 | 0.90 | NA | 1.00 | 9.00 | 3369.72 | |
| MW1-R | 06/11/21 | 3429.95 | 69.59 | 59.83 | 60.58 | 0.75 | NA | 2.50 | 12.50 | 3370.01 | |
| MW1-R | 06/22/21 | 3429.95 | 69.59 | 59.80 | 60.70 | 0.90 | NA | 1.00 | 9.00 | 3370.02 | |
| MW1-R | 07/09/21 | 3429.95 | 69.59 | 59.72 | 60.68 | 0.96 | NA | 1.00 | 9.00 | 3370.09 | |
| MW1-R | 07/23/21 | 3429.95 | 69.59 | 59.68 | 60.51 | 0.83 | NA | 1.00 | 9.00 | 3370.15 | |
| MW1-R | 08/13/21 | 3429.95 | 69.59 | 59.90 | 60.85 | 0.95 | NA | 5.00 | 15.00 | 3369.91 | |
| MW1-R | 08/26/21 | 3429.95 | 69.59 | 60.01 | 60.30 | 0.29 | NA | 1.50 | 8.50 | 3369.90 | |
| MW1-R | 09/09/21 | 3429.95 | 69.59 | 60.06 | 60.51 | 0.45 | NA | 0.75 | 9.25 | 3369.82 | |
| MW1-R | 09/17/21 | 3429.95 | 69.59 | 60.05 | 60.21 | 0.16 | NA | 1.00 | 9.00 | 3369.88 | |
| MW1-R | 09/28/21 | 3429.95 | 69.59 | 60.12 | 60.31 | 0.19 | NA | 0.25 | 9.75 | 3369.80 | |
| MW1-R | 10/13/21 | 3429.95 | 69.59 | 60.05 | 60.51 | 0.46 | NA | 1.00 | 9.00 | 3369.83 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW1-R | 10/22/21 | 3429.95 | 69.59 | 60.05 | 60.21 | 0.16 | NA | 1.00 | 9.00 | 3369.88 | |
| MW1-R | 11/03/21 | 3429.95 | 69.59 | 60.12 | 60.31 | 0.19 | NA | 1.00 | 9.00 | 3369.80 | |
| MW1-R | 11/18/21 | 3429.95 | 69.59 | 60.18 | 60.28 | 0.10 | NA | 0.25 | 9.75 | 3369.76 | |
| MW1-R | 12/03/21 | 3429.95 | 69.59 | 60.16 | 60.70 | 0.54 | NA | 1.50 | 8.50 | 3369.71 | |
| MW1-R | 12/09/21 | 3429.95 | 69.59 | 60.15 | 60.68 | 0.53 | NA | 1.00 | 9.00 | 3369.72 | |
| MW1-R | 12/30/21 | 3429.95 | 69.59 | 60.08 | 60.51 | 0.43 | NA | 1.00 | 9.00 | 3369.81 | |
| MW1-R | 01/12/22 | 3429.95 | 69.59 | 60.10 | 60.62 | 0.52 | NA | 1.00 | 9.00 | 3369.77 | |
| MW1-R | 01/28/22 | 3429.95 | 69.59 | 60.11 | 60.60 | 0.49 | NA | 0.50 | 9.50 | 3369.77 | |
| MW1-R | 02/09/22 | 3429.95 | 69.59 | 60.10 | 60.64 | 0.54 | NA | 0.25 | 9.75 | 3369.77 | |
| MW1-R | 02/24/22 | 3429.95 | 69.59 | 60.13 | 60.79 | 0.66 | NA | 2.00 | 8.00 | 3369.72 | |
| MW1-R | 03/10/22 | 3429.95 | 69.59 | 60.02 | 60.69 | 0.67 | NA | 1.50 | 8.50 | 3369.83 | |
| MW1-R | 03/17/22 | 3429.95 | 69.59 | 60.15 | 60.81 | 0.66 | NA | 1.00 | 9.00 | 3369.70 | |
| MW1-R | 03/25/22 | 3429.95 | 69.59 | 60.11 | 60.90 | 0.79 | NA | 1.00 | 9.00 | 3369.72 | |
| MW1-R | 03/31/22 | 3429.95 | 69.59 | 60.08 | 61.05 | 0.97 | NA | 1.00 | 9.00 | 3369.72 | |
| MW1-R | 04/07/22 | 3429.95 | 69.59 | 60.11 | 60.98 | 0.87 | NA | 1.00 | 9.00 | 3369.71 | |
| MW1-R | 04/12/22 | 3429.95 | 69.59 | 60.17 | 60.85 | 0.68 | NA | 1.00 | 9.00 | 3369.68 | |
| MW1-R | 05/04/22 | 3429.95 | 69.59 | 60.18 | 60.74 | 0.56 | NA | 1.00 | 9.00 | 3369.69 | |
| MW1-R | 05/11/22 | 3429.95 | 69.59 | 60.20 | 61.01 | 0.81 | NA | 3.00 | 7.00 | 3369.63 | |
| MW1-R | 05/24/22 | 3429.95 | 69.59 | 60.24 | 60.92 | 0.68 | NA | 2.00 | 8.00 | 3369.61 | |
| MW1-R | 06/03/22 | 3429.95 | 69.59 | 60.22 | 61.12 | 0.90 | NA | 1.50 | 8.50 | 3369.60 | |
| MW1-R | 06/17/22 | 3429.95 | 69.59 | 60.38 | 61.19 | 0.81 | NA | 1.00 | 9.00 | 3369.45 | |
| MW1-R | 06/28/22 | 3429.95 | 69.59 | 60.30 | 61.10 | 0.80 | NA | 1.00 | 9.00 | 3369.53 | Sampled |
| MW1-R | 07/06/22 | 3429.95 | 69.59 | 60.29 | 61.07 | 0.78 | NA | 1.50 | 8.50 | 3369.54 | |
| MW1-R | 07/20/22 | 3429.95 | 69.59 | 60.22 | 61.34 | 1.12 | NA | sheen | 10.00 | 3369.56 | |
| MW1-R | 09/02/22 | 3429.95 | 69.59 | 60.34 | 61.31 | 0.97 | NA | 0.50 | 9.50 | 3369.46 | |
| MW1-R | 09/14/22 | 3429.95 | 69.59 | 60.41 | 60.80 | 0.39 | NA | 1.00 | 9.00 | 3369.48 | |
| MW1-R | 09/30/22 | 3429.95 | 69.59 | 60.40 | 61.09 | 0.69 | NA | 0.50 | 9.50 | 3369.45 | |
| MW1-R | 10/05/22 | 3429.95 | 69.59 | 60.46 | 60.96 | 0.50 | NA | 0.50 | 9.50 | 3369.42 | |
| MW1-R | 10/18/22 | 3429.95 | 69.59 | 60.28 | 61.33 | 1.05 | NA | 1.00 | 9.00 | 3369.51 | |
| MW1-R | 11/01/22 | 3429.95 | 69.59 | 60.45 | 61.60 | 1.15 | NA | 1.50 | 8.50 | 3369.33 | |
| MW1-R | 11/10/22 | 3429.95 | 69.59 | 60.42 | 61.10 | 0.68 | NA | 1.00 | 9.00 | 3369.43 | |
| MW1-R | 12/21/22 | 3429.95 | 69.59 | 60.32 | 62.21 | 1.89 | NA | 3.00 | 7.00 | 3369.35 | |
| MW1-R | 01/05/23 | 3429.95 | 69.59 | 60.42 | 62.10 | 1.68 | NA | 6.00 | 4.00 | 3369.28 | |
| MW1-R | 01/19/23 | 3429.95 | 69.59 | 60.53 | 61.18 | 0.65 | NA | 0.75 | 9.25 | 3369.32 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW1-R | 02/10/23 | 3429.95 | 69.59 | 60.50 | 60.96 | 0.46 | NA | 0.25 | 9.75 | 3369.38 | |
| MW1-R | 03/16/23 | 3429.95 | 69.59 | 60.38 | 60.52 | 0.14 | NA | 1.00 | 9.00 | 3369.55 | |
| MW1-R | 05/18/23 | 3429.95 | 69.59 | 60.35 | 62.50 | 2.15 | NA | 1.00 | 9.00 | 3369.28 | |
| MW1-R | 06/14/23 | 3429.95 | 69.59 | 60.40 | 62.20 | 1.80 | NA | 5.00 | 10.00 | 3369.28 | |
| MW1-R | 08/03/23 | 3429.95 | 69.59 | 60.40 | 61.98 | 1.58 | NA | 1.50 | 8.50 | 3369.31 | |
| MW1-R | 08/17/23 | 3429.95 | 69.59 | 60.40 | 62.71 | 2.31 | NA | 2.00 | 8.00 | 3369.20 | |
| MW1-R | 09/06/23 | 3429.95 | 69.59 | 60.54 | 62.68 | 2.14 | NA | 2.00 | 8.00 | 3369.09 | |
| MW1-R | 10/05/23 | 3429.95 | 69.59 | 60.50 | 62.92 | 2.42 | NA | 3.00 | 7.00 | 3369.09 | |
| MW1-R | 10/18/23 | 3429.95 | 69.59 | 60.49 | 62.61 | 2.12 | NA | 2.00 | 8.00 | 3369.14 | |
| MW1-R | 11/02/23 | 3429.95 | 69.59 | 60.51 | 62.65 | 2.14 | NA | 2.00 | 8.00 | 3369.12 | |
| | | | | | | | | | | | |
| MW-2 | 01/03/18 | 3429.97 | 71.75 | 58.75 | 58.77 | 0.02 | NA | SHEEN | 10.00 | 3371.22 | |
| MW-2 | 01/10/18 | 3429.97 | 71.75 | 58.68 | 58.72 | 0.04 | NA | SHEEN | 10.00 | 3371.28 | |
| MW-2 | 01/18/18 | 3429.97 | 71.75 | 58.72 | 58.78 | 0.06 | NA | 1.00 | 9.00 | 3371.24 | |
| MW-2 | 01/26/18 | 3429.97 | 71.75 | 58.65 | 58.70 | 0.05 | NA | SHEEN | 10.00 | 3371.31 | |
| MW-2 | 02/01/18 | 3429.97 | 71.75 | 58.65 | 58.70 | 0.05 | NA | 0.50 | 9.50 | 3371.31 | |
| MW-2 | 02/08/18 | 3429.97 | 71.75 | Sheen | 58.54 | Sheen | NA | NA | NA | 3371.43 | |
| MW-2 | 02/14/18 | 3429.97 | 71.75 | Sheen | 58.64 | Sheen | NA | NA | NA | 3371.33 | |
| MW-2 | 02/21/18 | 3429.97 | 71.75 | 58.60 | 58.62 | 0.02 | NA | SHEEN | 10.00 | 3371.37 | |
| MW-2 | 02/28/18 | 3429.97 | 71.75 | 58.64 | 58.74 | 0.10 | NA | SHEEN | 10.00 | 3371.32 | |
| MW-2 | 03/09/18 | 3429.97 | 71.75 | 58.70 | 58.94 | 0.24 | NA | NA | NA | 3371.23 | |
| MW-2 | 03/15/18 | 3429.97 | 71.75 | 58.73 | 58.87 | 0.14 | NA | SHEEN | 10.00 | 3371.22 | |
| MW-2 | 03/22/18 | 3429.97 | 71.75 | 58.74 | 58.83 | 0.09 | NA | SHEEN | 10.00 | 3371.22 | |
| MW-2 | 03/28/18 | 3429.97 | 71.75 | 58.75 | 58.87 | 0.12 | NA | SHEEN | 10.00 | 3371.20 | |
| MW-2 | 04/03/18 | 3429.97 | 71.75 | 59.76 | 59.84 | 0.08 | NA | SHEEN | 10.00 | 3370.20 | |
| MW-2 | 04/10/18 | 3429.97 | 71.75 | 58.80 | 58.82 | 0.02 | NA | SHEEN | 10.00 | 3371.17 | |
| MW-2 | 04/19/18 | 3429.97 | 71.75 | 58.86 | 58.89 | 0.03 | NA | SHEEN | 10.00 | 3371.11 | |
| MW-2 | 04/25/18 | 3429.97 | 71.75 | 58.85 | 58.89 | 0.04 | NA | SHEEN | 10.00 | 3371.11 | |
| MW-2 | 05/02/18 | 3429.97 | 71.75 | 58.78 | 58.87 | 0.09 | NA | SHEEN | 10.00 | 3371.18 | |
| MW-2 | 05/10/18 | 3429.97 | 71.75 | 58.76 | 58.80 | 0.04 | NA | SHEEN | 10.00 | 3371.20 | |
| MW-2 | 05/15/18 | 3429.97 | 71.75 | 58.80 | 58.88 | 0.08 | NA | SHEEN | 10.00 | 3371.16 | |
| MW-2 | 05/23/18 | 3429.97 | 71.75 | 58.80 | 58.84 | 0.04 | NA | SHEEN | 10.00 | 3371.16 | |
| MW-2 | 06/07/18 | 3429.97 | 71.75 | 58.88 | 58.92 | 0.04 | NA | NA | NA | 3371.08 | Sampled |
| MW-2 | 06/13/18 | 3429.97 | 71.75 | 58.91 | 58.94 | 0.03 | NA | SHEEN | 10.00 | 3371.06 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-2 | 06/20/18 | 3429.97 | 71.75 | 58.94 | 58.97 | 0.03 | NA | SHEEN | 10.00 | 3371.03 | |
| MW-2 | 06/28/18 | 3429.97 | 71.75 | 58.91 | 58.98 | 0.07 | NA | 0.25 | 9.75 | 3371.05 | |
| MW-2 | 07/05/18 | 3429.97 | 71.75 | 58.93 | 58.99 | 0.06 | NA | 0.25 | 9.75 | 3371.03 | |
| MW-2 | 07/12/18 | 3429.97 | 71.75 | 58.94 | 58.97 | 0.03 | NA | SHEEN | 10.00 | 3371.03 | |
| MW-2 | 07/20/18 | 3429.97 | 71.75 | 58.98 | 59.08 | 0.10 | NA | SHEEN | 10.00 | 3370.98 | |
| MW-2 | 08/01/18 | 3429.97 | 71.75 | 59.00 | 59.11 | 0.11 | NA | SHEEN | 10.00 | 3370.95 | |
| MW-2 | 08/08/18 | 3429.97 | 71.75 | 59.04 | 59.12 | 0.08 | NA | SHEEN | 10.00 | 3370.92 | |
| MW-2 | 08/14/18 | 3429.97 | 71.75 | 59.04 | 59.12 | 0.08 | NA | SHEEN | 10.00 | 3370.92 | |
| MW-2 | 08/21/18 | 3429.97 | 71.75 | 59.00 | 59.09 | 0.09 | NA | SHEEN | 10.00 | 3370.96 | |
| MW-2 | 08/30/18 | 3429.97 | 71.75 | 59.02 | 59.07 | 0.05 | NA | SHEEN | 10.00 | 3370.94 | |
| MW-2 | 09/12/18 | 3429.97 | 71.75 | 59.12 | 59.14 | 0.02 | NA | SHEEN | 10.00 | 3370.85 | |
| MW-2 | 09/26/18 | 3429.97 | 71.75 | 59.15 | 59.16 | 0.01 | NA | SHEEN | 10.00 | 3370.82 | |
| MW-2 | 10/04/18 | 3429.97 | 71.75 | 59.15 | 59.17 | 0.02 | NA | SHEEN | 10.00 | 3370.82 | |
| MW-2 | 10/11/18 | 3429.97 | 71.75 | 59.15 | 59.18 | 0.03 | NA | SHEEN | 10.00 | 3370.82 | |
| MW-2 | 10/17/18 | 3429.97 | 71.75 | 58.88 | 58.92 | 0.04 | NA | SHEEN | 10.00 | 3371.08 | |
| MW-2 | 10/24/18 | 3429.97 | 71.75 | 58.86 | 58.92 | 0.06 | NA | SHEEN | 10.00 | 3371.10 | |
| MW-2 | 11/01/18 | 3429.97 | 71.75 | 58.96 | 59.06 | 0.10 | NA | SHEEN | 10.00 | 3371.00 | |
| MW-2 | 11/07/18 | 3429.97 | 71.75 | 58.99 | 59.04 | 0.05 | NA | SHEEN | 10.00 | 3370.97 | |
| MW-2 | 11/13/18 | 3429.97 | 71.75 | 58.98 | 59.10 | 0.12 | NA | SHEEN | 10.00 | 3370.97 | |
| MW-2 | 11/21/18 | 3429.97 | 71.75 | 59.02 | 59.04 | 0.02 | NA | SHEEN | 10.00 | 3370.95 | |
| MW-2 | 11/30/18 | 3429.97 | 71.75 | 59.08 | 59.12 | 0.04 | NA | SHEEN | 10.00 | 3370.88 | |
| MW-2 | 12/07/18 | 3429.97 | 71.75 | 59.10 | 59.13 | 0.03 | NA | SHEEN | 10.00 | 3370.87 | |
| MW-2 | 12/13/18 | 3429.97 | 71.75 | 59.10 | 59.13 | 0.03 | NA | SHEEN | 10.00 | 3370.87 | |
| MW-2 | 12/19/18 | 3429.97 | 71.75 | 59.12 | 59.15 | 0.03 | NA | SHEEN | 10.00 | 3370.85 | |
| MW-2 | 01/03/19 | 3429.97 | 71.75 | 59.15 | 59.16 | 0.01 | NA | SHEEN | 10.00 | 3370.82 | |
| MW-2 | 01/09/19 | 3429.97 | 71.75 | 59.20 | 59.21 | 0.01 | NA | SHEEN | 10.00 | 3370.77 | |
| MW-2 | 01/18/19 | 3429.97 | 71.75 | 59.02 | 59.65 | 0.63 | NA | 0.50 | 9.50 | 3370.86 | |
| MW-2 | 01/23/19 | 3429.97 | 71.75 | 59.02 | 59.70 | 0.68 | NA | 0.50 | 9.50 | 3370.85 | |
| MW-2 | 01/30/19 | 3429.97 | 71.75 | 59.16 | 59.17 | 0.01 | NA | SHEEN | 10.00 | 3370.81 | |
| MW-2 | 02/06/19 | 3429.97 | 71.75 | 59.21 | 59.22 | 0.01 | NA | SHEEN | 10.00 | 3370.76 | |
| MW-2 | 02/14/19 | 3429.97 | 71.75 | 59.00 | 59.08 | 0.08 | NA | NA | NA | 3370.96 | |
| MW-2 | 02/22/19 | 3429.97 | 71.75 | 59.03 | 59.78 | 0.75 | NA | 1.00 | 9.00 | 3370.83 | |
| MW-2 | 02/28/19 | 3429.97 | 71.75 | 59.06 | 59.10 | 0.04 | NA | SHEEN | 10.00 | 3370.90 | |
| MW-2 | 03/06/19 | 3429.97 | 71.75 | 59.11 | 59.13 | 0.02 | NA | SHEEN | 10.00 | 3370.86 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-2 | 03/12/19 | 3429.97 | 71.75 | 59.10 | 59.14 | 0.04 | NA | SHEEN | 10.00 | 3370.86 | |
| MW-2 | 03/22/19 | 3429.97 | 71.75 | 59.10 | 59.13 | 0.03 | NA | SHEEN | 10.00 | 3370.87 | |
| MW-2 | 03/28/19 | 3429.97 | 71.75 | 59.01 | 59.04 | 0.03 | NA | SHEEN | 10.00 | 3370.96 | |
| MW-2 | 04/03/19 | 3429.97 | 71.75 | 59.05 | 59.11 | 0.06 | NA | SHEEN | 10.00 | 3370.91 | |
| MW-2 | 04/11/19 | 3429.97 | 71.75 | 59.02 | 59.09 | 0.07 | NA | SHEEN | 10.00 | 3370.94 | |
| MW-2 | 04/16/19 | 3429.97 | 71.75 | 59.06 | 59.09 | 0.03 | NA | SHEEN | 10.00 | 3370.91 | |
| MW-2 | 04/25/19 | 3429.97 | 71.75 | 59.08 | 59.11 | 0.03 | NA | SHEEN | 10.00 | 3370.89 | |
| MW-2 | 05/01/19 | 3429.97 | 71.75 | Sheen | 59.01 | Sheen | NA | NA | NA | 3370.96 | |
| MW-2 | 05/14/19 | 3429.97 | 71.75 | 59.05 | 59.15 | 0.10 | NA | NA | NA | 3370.91 | Sampled |
| MW-2 | 05/24/19 | 3429.97 | 71.75 | 59.09 | 59.14 | 0.05 | NA | SHEEN | 10.00 | 3370.87 | |
| MW-2 | 06/05/19 | 3429.97 | 71.75 | 59.11 | 59.18 | 0.07 | NA | SHEEN | 10.00 | 3370.85 | |
| MW-2 | 06/14/19 | 3429.97 | 71.75 | 59.25 | 59.32 | 0.07 | NA | 0.25 | 9.75 | 3370.71 | |
| MW-2 | 06/20/19 | 3429.97 | 71.75 | 59.18 | 59.20 | 0.02 | NA | SHEEN | 10.00 | 3370.79 | |
| MW-2 | 06/26/19 | 3429.97 | 71.75 | 59.28 | 59.38 | 0.10 | NA | SHEEN | 10.00 | 3370.68 | |
| MW-2 | 07/03/19 | 3429.97 | 71.75 | 59.32 | 59.36 | 0.04 | NA | SHEEN | 10.00 | 3370.64 | |
| MW-2 | 07/11/19 | 3429.97 | 71.75 | 59.34 | 59.35 | 0.01 | NA | SHEEN | 10.00 | 3370.63 | |
| MW-2 | 07/26/19 | 3429.97 | 71.75 | 59.47 | 59.52 | 0.05 | NA | SHEEN | 10.00 | 3370.49 | |
| MW-2 | 08/10/19 | 3429.97 | 71.75 | 59.45 | 59.50 | 0.05 | NA | SHEEN | 10.00 | 3370.51 | |
| MW-2 | 08/15/19 | 3429.97 | 71.75 | 59.44 | 59.48 | 0.04 | NA | SHEEN | 10.00 | 3370.52 | |
| MW-2 | 08/27/19 | 3429.97 | 71.75 | 59.49 | 59.55 | 0.06 | NA | SHEEN | 10.00 | 3370.47 | |
| MW-2 | 09/06/19 | 3429.97 | 71.75 | 59.50 | 59.52 | 0.02 | NA | SHEEN | 10.00 | 3370.47 | |
| MW-2 | 09/13/19 | 3429.97 | 71.75 | 59.52 | 59.60 | 0.08 | NA | SHEEN | 10.00 | 3370.44 | |
| MW-2 | 09/20/19 | 3429.97 | 71.75 | 59.52 | 59.55 | 0.03 | NA | SHEEN | 10.00 | 3370.45 | |
| MW-2 | 10/09/19 | 3429.97 | 71.75 | 59.52 | 59.55 | 0.03 | NA | SHEEN | 10.00 | 3370.45 | |
| MW-2 | 10/17/19 | 3429.97 | 71.75 | 59.52 | 59.57 | 0.05 | NA | SHEEN | 10.00 | 3370.44 | |
| MW-2 | 11/01/19 | 3429.97 | 71.75 | 59.41 | 59.50 | 0.09 | NA | SHEEN | 10.00 | 3370.55 | |
| MW-2 | 11/08/19 | 3429.97 | 71.75 | 59.38 | 59.40 | 0.02 | NA | SHEEN | 10.00 | 3370.59 | |
| MW-2 | 11/15/19 | 3429.97 | 71.75 | 59.36 | 59.38 | 0.02 | NA | SHEEN | 10.00 | 3370.61 | |
| MW-2 | 11/19/19 | 3429.97 | 71.75 | 59.34 | 59.38 | 0.04 | NA | SHEEN | 10.00 | 3370.62 | |
| MW-2 | 11/26/19 | 3429.97 | 71.75 | 59.33 | 59.42 | 0.09 | NA | SHEEN | 10.00 | 3370.63 | |
| MW-2 | 12/04/19 | 3429.97 | 71.75 | 59.33 | 59.40 | 0.07 | NA | 0.25 | 9.75 | 3370.63 | |
| MW-2 | 12/13/19 | 3429.97 | 71.75 | 59.32 | 59.36 | 0.04 | NA | SHEEN | 10.00 | 3370.64 | |
| MW-2 | 12/20/19 | 3429.97 | 71.75 | 59.35 | 59.42 | 0.07 | NA | SHEEN | 10.00 | 3370.61 | |
| MW-2 | 12/27/19 | 3429.97 | 71.75 | 59.38 | 59.40 | 0.02 | NA | SHEEN | 10.00 | 3370.59 | 0.09 |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-2 | 01/03/20 | 3429.97 | 71.75 | 59.35 | 59.38 | 0.03 | NA | SHEEN | 10.00 | 3370.62 | |
| MW-2 | 01/09/20 | 3429.97 | 71.75 | 59.34 | 59.40 | 0.06 | NA | SHEEN | 10.00 | 3370.62 | |
| MW-2 | 01/15/20 | 3429.97 | 71.75 | 59.32 | 59.45 | 0.13 | NA | 0.25 | 9.75 | 3370.63 | |
| MW-2 | 01/30/20 | 3429.97 | 71.75 | 59.38 | 59.40 | 0.02 | NA | SHEEN | 10.00 | 3370.59 | |
| MW-2 | 02/12/20 | 3429.97 | 71.75 | 59.36 | 59.43 | 0.07 | NA | SHEEN | 10.00 | 3370.60 | |
| MW-2 | 02/27/20 | 3429.97 | 71.75 | 59.37 | 59.43 | 0.06 | NA | SHEEN | 10.00 | 3370.59 | |
| MW-2 | 03/04/20 | 3429.97 | 71.75 | 59.41 | 59.43 | 0.02 | NA | SHEEN | 10.00 | 3370.56 | |
| MW-2 | 03/12/20 | 3429.97 | 71.75 | 59.38 | 59.40 | 0.02 | NA | SHEEN | 10.00 | 3370.59 | |
| MW-2 | 03/17/20 | 3429.97 | 71.75 | 59.39 | 59.44 | 0.05 | NA | NA | NA | 3370.57 | |
| MW-2 | 03/23/20 | 3429.97 | 71.75 | 59.40 | 59.44 | 0.04 | NA | SHEEN | 10.00 | 3370.56 | |
| MW-2 | 05/07/20 | 3429.97 | 71.75 | 59.24 | 59.41 | 0.17 | NA | NA | NA | 3370.70 | |
| MW-2 | 05/29/20 | 3429.97 | 71.75 | 59.32 | 59.60 | 0.28 | NA | 1.00 | 9.00 | 3370.61 | |
| MW-2 | 06/12/20 | 3429.97 | 71.75 | 59.28 | 59.55 | 0.27 | NA | 1.00 | 9.00 | 3370.65 | |
| MW-2 | 06/18/20 | 3429.97 | 71.75 | 59.52 | 59.70 | 0.18 | NA | SHEEN | 10.00 | 3370.42 | |
| MW-2 | 07/21/20 | 3429.97 | 71.75 | 59.47 | 59.60 | 0.13 | NA | 1.00 | 9.00 | 3370.48 | |
| MW-2 | 08/05/20 | 3429.97 | 71.75 | 59.52 | 59.58 | 0.06 | NA | SHEEN | 10.00 | 3370.44 | |
| MW-2 | 09/17/20 | 3429.97 | 71.75 | 59.50 | 59.58 | 0.08 | NA | NA | NA | 3370.46 | |
| MW-2 | 09/24/20 | 3429.97 | 71.75 | 59.56 | 59.80 | 0.24 | NA | 0.25 | 9.75 | 3370.37 | |
| MW-2 | 10/14/20 | 3429.97 | 71.75 | 59.57 | 59.90 | 0.33 | NA | 0.25 | 9.75 | 3370.35 | |
| MW-2 | 10/30/20 | 3429.97 | 71.75 | 59.59 | 59.71 | 0.12 | NA | SHEEN | 10.00 | 3370.36 | |
| MW-2 | 11/11/20 | 3429.97 | 71.75 | 59.61 | 59.74 | 0.13 | NA | SHEEN | 10.00 | 3370.34 | |
| MW-2 | 11/25/20 | 3429.97 | 71.75 | 59.62 | 59.78 | 0.16 | NA | SHEEN | 10.00 | 3370.33 | |
| MW-2 | 12/11/20 | 3429.97 | 71.75 | 59.60 | 59.88 | 0.28 | NA | 0.25 | 9.75 | 3370.33 | |
| MW-2 | 12/22/20 | 3429.97 | 71.75 | 59.48 | 59.64 | 0.16 | NA | 0.25 | 9.75 | 3370.47 | |
| MW-2 | 01/06/21 | 3429.97 | 71.75 | 59.67 | 59.96 | 0.29 | NA | 0.50 | 14.50 | 3370.26 | |
| MW-2 | 01/19/21 | 3429.97 | 71.75 | 59.68 | 59.72 | 0.04 | NA | 1.00 | 9.00 | 3370.28 | |
| MW-2 | 02/03/21 | 3429.97 | 71.75 | 59.70 | 59.78 | 0.08 | NA | 0.50 | 9.50 | 3370.26 | |
| MW-2 | 02/25/21 | 3429.97 | 71.75 | 59.70 | 59.80 | 0.10 | NA | 1.00 | 9.00 | 3370.26 | |
| MW-2 | 03/03/21 | 3429.97 | 71.75 | 59.81 | 59.89 | 0.08 | NA | 2.00 | 8.00 | 3370.15 | |
| MW-2 | 03/17/21 | 3429.97 | 71.75 | 59.60 | 59.68 | 0.08 | NA | 0.50 | 9.50 | 3370.36 | |
| MW-2 | 03/31/21 | 3429.97 | 71.75 | 59.68 | 59.71 | 0.03 | NA | 0.25 | 9.75 | 3370.29 | |
| MW-2 | 04/15/21 | 3429.97 | 71.75 | 59.81 | 59.93 | 0.12 | NA | SHEEN | 10.00 | 3370.14 | |
| MW-2 | 04/28/21 | 3429.97 | 71.75 | 59.72 | 59.87 | 0.15 | NA | 0.25 | 9.75 | 3370.23 | |
| MW-2 | 05/21/21 | 3429.97 | 71.75 | 59.69 | 59.74 | 0.05 | NA | 0.50 | 9.50 | 3370.27 | |
| MW-2 | 05/28/21 | 3429.97 | 71.75 | 59.74 | 59.80 | 0.06 | NA | 1.00 | 9.00 | 3370.22 | |
| MW-2 | 06/11/21 | 3429.97 | 71.75 | 59.79 | 60.09 | 0.30 | NA | 1.00 | 14.00 | 3370.14 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-2 | 06/22/21 | 3429.97 | 71.75 | 59.20 | 60.20 | 1.00 | NA | 1.00 | 9.00 | 3370.62 | |
| MW-2 | 07/09/21 | 3429.97 | 71.75 | 59.81 | 59.98 | 0.17 | NA | 1.00 | 9.00 | 3370.13 | |
| MW-2 | 07/23/21 | 3429.97 | 71.75 | 59.72 | 59.81 | 0.09 | NA | 0.25 | 9.75 | 3370.24 | |
| MW-2 | 08/13/21 | 3429.97 | 71.75 | 59.65 | 60.48 | 0.83 | NA | 2.00 | 8.00 | 3370.20 | |
| MW-2 | 08/26/21 | 3429.97 | 71.75 | 59.90 | 60.55 | 0.65 | NA | 1.50 | 8.50 | 3369.97 | |
| MW-2 | 09/09/21 | 3429.97 | 71.75 | 60.00 | 60.06 | 0.06 | NA | SHEEN | 10.00 | 3369.96 | |
| MW-2 | 09/17/21 | 3429.97 | 71.75 | 59.95 | 60.03 | 0.08 | NA | 1.50 | 8.50 | 3370.01 | |
| MW-2 | 09/28/21 | 3429.97 | 71.75 | 59.90 | 60.08 | 0.18 | NA | 0.25 | 9.75 | 3370.04 | |
| MW-2 | 10/13/21 | 3429.97 | 71.75 | 59.97 | 60.09 | 0.12 | NA | 1.00 | 9.00 | 3369.98 | |
| MW-2 | 10/22/21 | 3429.97 | 71.75 | 60.00 | 60.06 | 0.06 | NA | 0.25 | 9.75 | 3369.96 | |
| MW-2 | 10/03/21 | 3429.97 | 71.75 | 59.95 | 60.03 | 0.08 | NA | 0.25 | 9.75 | 3370.01 | |
| MW-2 | 11/18/21 | 3429.97 | 71.75 | 60.18 | 60.28 | 0.10 | NA | 0.25 | 9.75 | 3369.78 | |
| MW-2 | 12/03/21 | 3429.97 | 71.75 | 60.16 | 60.70 | 0.54 | NA | 0.50 | 9.50 | 3369.73 | |
| MW-2 | 12/09/21 | 3429.97 | 71.75 | 60.10 | 60.22 | 0.12 | NA | 0.25 | 9.75 | 3369.85 | |
| MW-2 | 12/30/21 | 3429.97 | 71.75 | 60.08 | 60.17 | 0.09 | NA | 1.00 | 9.00 | 3369.88 | |
| MW-2 | 01/12/22 | 3429.97 | 71.75 | 60.03 | 60.62 | 0.59 | NA | 1.00 | 9.00 | 3369.85 | |
| MW-2 | 01/28/22 | 3429.97 | 71.75 | 60.05 | 60.24 | 0.19 | NA | 0.25 | 9.75 | 3369.89 | |
| MW-2 | 02/09/22 | 3429.97 | 71.75 | 60.06 | 60.11 | 0.05 | NA | 0.25 | 9.75 | 3369.90 | |
| MW-2 | 02/24/22 | 3429.97 | 71.75 | 60.07 | 60.18 | 0.11 | NA | 1.00 | 9.00 | 3369.88 | |
| MW-2 | 03/10/22 | 3429.97 | 71.75 | 60.10 | 60.13 | 0.03 | NA | 0.25 | 9.75 | 3369.87 | |
| MW-2 | 03/17/22 | 3429.97 | 71.75 | 60.10 | 60.19 | 0.09 | NA | 0.25 | 9.75 | 3369.86 | |
| MW-2 | 03/25/22 | 3429.97 | 71.75 | 60.12 | 60.21 | 0.09 | NA | 1.00 | 9.00 | 3369.84 | |
| MW-2 | 03/31/22 | 3429.97 | 71.75 | 60.10 | 60.18 | 0.08 | NA | SHEEN | 10.00 | 3369.86 | |
| MW-2 | 04/07/22 | 3429.97 | 71.75 | 60.12 | 60.31 | 0.19 | NA | 0.25 | 9.75 | 3369.82 | |
| MW-2 | 04/12/22 | 3429.97 | 71.75 | 60.15 | 60.20 | 0.05 | NA | SHEEN | 10.00 | 3369.81 | |
| MW-2 | 05/04/22 | 3429.97 | 71.75 | 60.24 | 60.27 | 0.03 | NA | 0.25 | 9.75 | 3369.73 | |
| MW-2 | 05/11/22 | 3429.97 | 71.75 | 60.17 | 60.23 | 0.06 | NA | 2.00 | 8.00 | 3369.79 | |
| MW-2 | 05/24/22 | 3429.97 | 71.75 | 60.20 | 60.22 | 0.02 | NA | 1.00 | 9.00 | 3369.77 | |
| MW-2 | 06/03/22 | 3429.97 | 71.75 | 60.20 | 60.31 | 0.11 | NA | 1.00 | 9.00 | 3369.75 | |
| MW-2 | 06/17/22 | 3429.97 | 71.75 | 60.23 | 60.43 | 0.20 | NA | SHEEN | 10.00 | 3369.71 | |
| MW-2 | 06/28/22 | 3429.97 | 71.75 | 60.31 | 60.90 | 0.59 | NA | 1.00 | 9.00 | 3369.57 | |
| MW-2 | 07/06/22 | 3429.97 | 71.75 | 60.34 | 60.88 | 0.54 | NA | 1.50 | 8.50 | 3369.55 | |
| MW-2 | 07/20/22 | 3429.97 | 71.75 | 60.25 | 60.42 | 0.17 | NA | SHEEN | 10.00 | 3369.69 | |
| MW-2 | 08/17/22 | 3429.97 | 74.21 | 30.35 | 61.81 | 31.46 | NA | 0.50 | 9.50 | 3394.90 | |
| MW-2 | 09/02/22 | 3429.97 | 71.75 | 60.32 | 60.45 | 0.13 | NA | SHEEN | 10.00 | 3369.63 | |
| MW-2 | 09/14/22 | 3429.97 | 71.75 | 60.34 | 60.41 | 0.07 | NA | 1.00 | 9.00 | 3369.62 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| **MW-2** | 09/30/22 | 3429.97 | 71.75 | 60.40 | 60.50 | 0.10 | NA | SHEEN | 10.00 | 3369.56 | |
| **MW-2** | 10/05/22 | 3429.97 | 71.75 | 60.41 | 60.46 | 0.05 | NA | SHEEN | 10.00 | 3369.55 | |
| **MW-2** | 10/18/22 | 3429.97 | 71.75 | 60.29 | 60.39 | 0.10 | NA | ND | 10.00 | 3369.67 | |
| **MW-2** | 11/01/22 | 3429.97 | 71.75 | 60.45 | 60.63 | 0.18 | NA | 1.00 | 9.00 | 3369.49 | |
| **MW-2** | 11/10/22 | 3429.97 | 71.75 | 60.39 | 60.49 | 0.10 | NA | 1.00 | 9.00 | 3369.57 | |
| **MW-2** | 12/21/22 | 3429.97 | 71.75 | 60.43 | 61.11 | 0.68 | NA | 2.00 | 8.00 | 3369.44 | |
| **MW-2** | 01/05/23 | 3429.97 | 71.75 | 60.50 | 60.53 | 0.03 | NA | 0.25 | 9.75 | 3369.47 | |
| **MW-2** | 01/19/23 | 3429.97 | 71.75 | 60.50 | 61.00 | 0.50 | NA | 3.00 | 7.00 | 3369.40 | |
| **MW-2** | 02/10/23 | 3429.97 | 71.75 | 60.46 | 60.49 | 0.03 | NA | SHEEN | 8.00 | 10.00 | |
| **MW-2** | 03/16/23 | 3429.97 | 71.75 | 60.51 | 60.68 | 0.17 | NA | 0.25 | 9.75 | 3369.43 | |
| **MW-2** | 05/18/23 | 3429.97 | 71.75 | 60.50 | 62.50 | 2.00 | NA | 0.25 | 9.75 | 3369.17 | |
| **MW-2** | 06/14/23 | 3429.97 | 71.75 | 60.41 | 60.57 | 0.16 | NA | NA | NA | 3369.54 | |
| **MW-2** | 08/03/23 | 3429.97 | 71.75 | 60.52 | 60.78 | 0.26 | NA | 1.50 | 8.50 | 3369.41 | |
| **MW-2** | 08/17/23 | 3429.97 | 71.75 | 60.61 | 60.90 | 0.29 | NA | 2.00 | 8.00 | 3369.32 | |
| **MW-2** | 09/06/23 | 3429.97 | 71.75 | 60.64 | 60.88 | 0.24 | NA | 1.00 | 5.00 | 3369.29 | |
| **MW-2** | 10/05/23 | 3429.97 | 71.75 | 60.72 | 61.37 | 0.65 | NA | 2.50 | 7.50 | 3369.15 | |
| **MW-2** | 10/18/23 | 3429.97 | 71.75 | 60.59 | 60.91 | 0.32 | NA | NA | NA | 3369.33 | |
| **MW-2** | 11/02/23 | 3429.97 | 71.75 | 60.62 | 60.95 | 0.33 | NA | 0.50 | 9.50 | 3369.30 | |
| | | | | | | | | | | | |
| **MW-3** | 01/03/18 | 3429.89 | 65.55 | ND | 58.86 | ND | NA | NA | NA | 3371.03 | dry |
| **MW-3** | 01/10/18 | 3429.89 | 65.55 | ND | 58.84 | ND | NA | NA | NA | 3371.05 | dry |
| **MW-3** | 01/18/18 | 3429.89 | 65.55 | ND | 58.47 | ND | NA | NA | NA | 3371.42 | dry |
| **MW-3** | 01/26/18 | 3429.89 | 65.55 | ND | 58.69 | ND | NA | NA | NA | 3371.20 | dry |
| **MW-3** | 02/08/18 | 3429.89 | 65.55 | ND | 58.75 | ND | NA | NA | NA | 3371.14 | dry |
| **MW-3** | 02/01/18 | 3429.89 | 65.55 | ND | 58.70 | ND | NA | NA | NA | 3371.19 | dry |
| **MW-3** | 02/14/18 | 3429.89 | 65.55 | ND | 58.76 | ND | NA | NA | NA | 3371.13 | dry |
| **MW-3** | 02/21/18 | 3429.89 | 65.55 | ND | 58.80 | ND | NA | NA | NA | 3371.09 | dry |
| **MW-3** | 02/28/18 | 3429.89 | 65.55 | ND | 58.75 | ND | NA | NA | NA | 3371.14 | dry |
| **MW-3** | 03/09/18 | 3429.89 | 65.55 | ND | 58.84 | ND | NA | NA | NA | 3371.05 | dry |
| **MW-3** | 03/15/18 | 3429.89 | 65.55 | ND | 59.65 | ND | NA | NA | NA | 3370.24 | dry |
| **MW-3** | 03/22/18 | 3429.89 | 65.55 | ND | 58.95 | ND | NA | NA | NA | 3370.94 | dry |
| **MW-3** | 03/28/18 | 3429.89 | 65.55 | ND | 58.87 | ND | NA | NA | 3.00 | 3371.02 | dry |
| **MW-3** | 04/03/18 | 3429.89 | 65.55 | ND | 59.38 | ND | NA | NA | 3.00 | 3370.51 | dry |
| **MW-3** | 04/10/18 | 3429.89 | 65.55 | ND | 59.44 | ND | NA | NA | NA | 3370.45 | dry |
| **MW-3** | 04/19/18 | 3429.89 | 65.55 | ND | 59.50 | ND | NA | NA | NA | 3370.39 | dry |
| **MW-3** | 04/25/18 | 3429.89 | 65.55 | ND | 59.49 | ND | NA | NA | NA | 3370.40 | dry |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-3 | 05/02/18 | 3429.89 | 65.55 | ND | 58.88 | ND | NA | NA | NA | 3371.01 | dry |
| MW-3 | 05/10/18 | 3429.89 | 65.55 | ND | 58.90 | ND | NA | NA | NA | 3370.99 | dry |
| MW-3 | 05/15/18 | 3429.89 | 65.55 | ND | 58.92 | ND | NA | NA | NA | 3370.97 | dry |
| MW-3 | 05/21/18 | 3429.89 | 65.55 | ND | 58.91 | ND | NA | NA | NA | 3370.98 | dry |
| MW-3 | 06/07/18 | 3429.89 | 65.55 | ND | 58.97 | ND | NA | NA | NA | 3370.92 | sampled |
| MW-3 | 06/13/18 | 3429.89 | 65.55 | ND | 58.99 | ND | NA | NA | NA | 3370.90 | dry |
| MW-3 | 06/20/18 | 3429.89 | 65.55 | ND | 59.00 | ND | NA | NA | NA | 3370.89 | dry |
| MW-3 | 06/28/18 | 3429.89 | 65.55 | ND | 59.05 | ND | NA | NA | NA | 3370.84 | dry |
| MW-3 | 07/05/18 | 3429.89 | 65.55 | ND | 59.09 | ND | NA | NA | NA | 3370.80 | dry |
| MW-3 | 07/12/18 | 3429.89 | 65.55 | ND | 59.08 | ND | NA | NA | NA | 3370.81 | dry |
| MW-3 | 07/20/18 | 3429.89 | 65.55 | ND | 59.13 | ND | NA | NA | NA | 3370.76 | dry |
| MW-3 | 08/01/18 | 3429.89 | 65.55 | ND | 59.15 | ND | NA | NA | NA | 3370.74 | dry |
| MW-3 | 08/08/18 | 3429.89 | 65.55 | ND | 59.17 | ND | NA | NA | NA | 3370.72 | dry |
| MW-3 | 08/21/18 | 3429.89 | 65.55 | ND | 59.18 | ND | NA | NA | NA | 3370.71 | dry |
| MW-3 | 08/30/18 | 3429.89 | 65.55 | ND | 59.20 | ND | NA | NA | NA | 3370.69 | dry |
| MW-3 | 09/12/18 | 3429.89 | 65.55 | ND | 59.34 | ND | NA | NA | NA | 3370.55 | dry |
| MW-3 | 09/26/18 | 3429.89 | 65.55 | ND | 59.35 | ND | NA | NA | NA | 3370.54 | dry |
| MW-3 | 10/04/18 | 3429.89 | 65.55 | ND | 59.36 | ND | NA | NA | 3.00 | 3370.53 | dry |
| MW-3 | 10/11/18 | 3429.89 | 65.55 | ND | 59.39 | ND | NA | NA | 3.00 | 3370.50 | dry |
| MW-3 | 10/17/18 | 3429.89 | 65.55 | ND | 59.18 | ND | NA | NA | NA | 3370.71 | dry |
| MW-3 | 10/24/18 | 3429.89 | 65.55 | ND | 59.12 | ND | NA | NA | NA | 3370.77 | dry |
| MW-3 | 11/01/18 | 3429.89 | 65.55 | ND | 59.15 | ND | NA | NA | NA | 3370.74 | dry |
| MW-3 | 11/07/18 | 3429.89 | 65.55 | ND | 59.18 | ND | NA | NA | NA | 3370.71 | dry |
| MW-3 | 11/13/18 | 3429.89 | 65.55 | ND | 59.20 | ND | NA | NA | NA | 3370.69 | dry |
| MW-3 | 11/21/18 | 3429.89 | 65.55 | ND | 59.24 | ND | NA | NA | NA | 3370.65 | sampled |
| MW-3 | 11/30/18 | 3429.89 | 65.55 | ND | 59.29 | ND | NA | NA | NA | 3370.60 | dry |
| MW-3 | 12/07/18 | 3429.89 | 65.55 | ND | 59.30 | ND | NA | NA | NA | 3370.59 | dry |
| MW-3 | 12/13/18 | 3429.89 | 65.55 | ND | 59.31 | ND | NA | NA | NA | 3370.58 | dry |
| MW-3 | 12/19/18 | 3429.89 | 65.55 | ND | 59.29 | ND | NA | NA | NA | 3370.60 | dry |
| MW-3 | 01/03/19 | 3429.89 | 65.55 | ND | 59.30 | ND | NA | NA | NA | 3370.59 | dry |
| MW-3 | 01/09/19 | 3429.89 | 65.55 | ND | 59.32 | ND | NA | NA | NA | 3370.57 | dry |
| MW-3 | 01/18/19 | 3429.89 | 65.55 | ND | 59.23 | ND | NA | NA | NA | 3370.66 | dry |
| MW-3 | 01/23/19 | 3429.89 | 65.55 | ND | 59.25 | ND | NA | NA | NA | 3370.64 | dry |
| MW-3 | 01/30/19 | 3429.89 | 65.55 | ND | 59.30 | ND | NA | NA | NA | 3370.59 | dry |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-3 | 02/06/19 | 3429.89 | 65.55 | ND | 59.34 | ND | NA | NA | NA | 3370.55 | dry |
| MW-3 | 02/14/19 | 3429.89 | 65.55 | ND | 59.24 | ND | NA | NA | NA | 3370.65 | dry |
| MW-3 | 02/22/19 | 3429.89 | 65.55 | ND | 59.29 | ND | NA | NA | NA | 3370.60 | dry |
| MW-3 | 02/28/19 | 3429.89 | 65.55 | ND | 59.25 | ND | NA | NA | NA | 3370.64 | dry |
| MW-3 | 03/06/19 | 3429.89 | 65.55 | ND | 59.29 | ND | NA | NA | NA | 3370.60 | dry |
| MW-3 | 03/12/19 | 3429.89 | 65.55 | ND | 59.27 | ND | NA | NA | NA | 3370.62 | dry |
| MW-3 | 03/22/19 | 3429.89 | 65.55 | ND | 59.26 | ND | NA | NA | NA | 3370.63 | dry |
| MW-3 | 03/28/19 | 3429.89 | 65.55 | ND | 59.24 | ND | NA | NA | NA | 3370.65 | dry |
| MW-3 | 04/03/19 | 3429.89 | 65.55 | ND | 59.27 | ND | NA | NA | NA | 3370.62 | sampled |
| MW-3 | 04/11/19 | 3429.89 | 65.55 | ND | 59.24 | ND | NA | NA | NA | 3370.65 | dry |
| MW-3 | 04/16/19 | 3429.89 | 65.55 | ND | 59.26 | ND | NA | NA | NA | 3370.63 | dry |
| MW-3 | 04/25/19 | 3429.89 | 65.55 | ND | 59.28 | ND | NA | NA | NA | 3370.61 | dry |
| MW-3 | 05/01/19 | 3429.89 | 65.55 | ND | 59.17 | ND | NA | NA | NA | 3370.72 | dry |
| MW-3 | 05/14/19 | 3429.89 | 65.55 | ND | 59.30 | ND | NA | NA | NA | 3370.59 | sampled |
| MW-3 | 05/24/19 | 3429.89 | 65.55 | ND | 59.31 | ND | NA | NA | NA | 3370.58 | dry |
| MW-3 | 06/05/19 | 3429.89 | 65.55 | ND | 59.36 | ND | NA | NA | NA | 3370.53 | dry |
| MW-3 | 06/14/19 | 3429.89 | 65.55 | ND | 59.37 | ND | NA | NA | NA | 3370.52 | dry |
| MW-3 | 06/20/19 | 3429.89 | 65.55 | ND | 59.30 | ND | NA | NA | NA | 3370.59 | dry |
| MW-3 | 06/26/19 | 3429.89 | 65.55 | ND | 59.41 | ND | NA | NA | NA | 3370.48 | dry |
| MW-3 | 07/03/19 | 3429.89 | 65.55 | ND | 59.44 | ND | NA | NA | NA | 3370.45 | dry |
| MW-3 | 07/11/19 | 3429.89 | 65.55 | ND | 59.46 | ND | NA | NA | NA | 3370.43 | dry |
| MW-3 | 07/26/19 | 3429.89 | 65.55 | ND | 59.56 | ND | NA | NA | NA | 3370.33 | dry |
| MW-3 | 08/10/19 | 3429.89 | 65.55 | ND | 59.58 | ND | NA | NA | NA | 3370.31 | dry |
| MW-3 | 08/15/19 | 3429.89 | 65.55 | ND | 59.57 | ND | NA | NA | NA | 3370.32 | dry |
| MW-3 | 08/27/19 | 3429.89 | 65.55 | ND | 59.63 | ND | NA | NA | NA | 3370.26 | dry |
| MW-3 | 09/06/19 | 3429.89 | 65.55 | ND | 59.54 | ND | NA | NA | NA | 3370.35 | dry |
| MW-3 | 09/13/19 | 3429.89 | 65.55 | ND | 59.54 | ND | NA | NA | NA | 3370.35 | dry |
| MW-3 | 09/20/19 | 3429.89 | 65.55 | ND | 59.65 | ND | NA | NA | NA | 3370.24 | dry |
| MW-3 | 10/09/19 | 3429.89 | 65.55 | ND | 59.68 | ND | NA | NA | NA | 3370.21 | dry |
| MW-3 | 10/17/19 | 3429.89 | 65.55 | ND | 59.67 | ND | NA | NA | NA | 3370.22 | dry |
| MW-3 | 10/24/19 | 3429.89 | 65.55 | ND | 59.65 | ND | NA | NA | NA | 3370.24 | dry |
| MW-3 | 11/01/19 | 3429.89 | 65.55 | ND | 59.58 | ND | NA | NA | NA | 3370.31 | dry |
| MW-3 | 11/08/19 | 3429.89 | 65.55 | ND | 59.55 | ND | NA | NA | NA | 3370.34 | dry |
| MW-3 | 11/15/19 | 3429.89 | 65.55 | ND | 59.53 | ND | NA | NA | NA | 3370.36 | dry |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-3 | 11/19/19 | 3429.89 | 65.55 | ND | 59.49 | ND | NA | NA | NA | 3370.40 | dry |
| MW-3 | 11/26/19 | 3429.89 | 65.55 | ND | 59.49 | ND | NA | NA | NA | 3370.40 | dry |
| MW-3 | 12/04/19 | 3429.89 | 65.55 | ND | 59.53 | ND | NA | NA | NA | 3370.36 | dry |
| MW-3 | 12/13/19 | 3429.89 | 65.55 | ND | 59.49 | ND | NA | NA | NA | 3370.40 | dry |
| MW-3 | 12/20/19 | 3429.89 | 65.55 | ND | 59.50 | ND | NA | NA | NA | 3370.39 | dry |
| MW-3 | 12/27/19 | 3429.89 | 65.55 | ND | 59.48 | ND | NA | NA | NA | 3370.41 | dry |
| MW-3 | 01/03/20 | 3429.89 | 65.55 | ND | 59.49 | ND | NA | NA | NA | 3370.40 | dry |
| MW-3 | 01/09/20 | 3429.89 | 65.55 | ND | 59.48 | ND | NA | NA | NA | 3370.41 | dry |
| MW-3 | 01/15/20 | 3429.89 | 65.55 | ND | 59.05 | ND | NA | NA | NA | 3370.84 | dry |
| MW-3 | 01/30/20 | 3429.89 | 65.55 | ND | 59.52 | ND | NA | NA | NA | 3370.37 | dry |
| MW-3 | 02/12/20 | 3429.89 | 65.55 | ND | 59.52 | ND | NA | NA | NA | 3370.37 | dry |
| MW-3 | 02/27/20 | 3429.89 | 65.55 | ND | 59.53 | ND | NA | NA | NA | 3370.36 | dry |
| MW-3 | 03/04/20 | 3429.89 | 65.55 | ND | 59.54 | ND | NA | NA | NA | 3370.35 | dry |
| MW-3 | 03/12/20 | 3429.89 | 65.55 | ND | 59.56 | ND | NA | NA | NA | 3370.33 | dry |
| MW-3 | 03/17/20 | 3429.89 | 65.55 | Sheen | 59.53 | Sheen | NA | NA | NA | 3370.36 | dry |
| MW-3 | 03/23/20 | 3429.89 | 65.55 | ND | 59.55 | ND | NA | NA | NA | 3370.34 | dry |
| MW-3 | 05/07/20 | 3429.89 | 65.55 | ND | 59.42 | ND | NA | NA | NA | 3370.47 | dry |
| MW-3 | 05/29/20 | 3429.89 | 65.55 | ND | 59.47 | ND | NA | NA | NA | 3370.42 | dry |
| MW-3 | 06/12/20 | 3429.89 | 65.55 | ND | 59.45 | ND | NA | NA | NA | 3370.44 | dry |
| MW-3 | 06/18/20 | 3429.89 | 65.55 | ND | 59.59 | ND | NA | NA | NA | 3370.30 | dry |
| MW-3 | 07/21/20 | 3429.89 | 65.55 | ND | 59.65 | ND | NA | NA | NA | 3370.24 | dry |
| MW-3 | 08/05/20 | 3429.89 | 65.55 | ND | 59.68 | ND | NA | NA | NA | 3370.21 | dry |
| MW-3 | 09/17/20 | 3429.89 | 65.55 | ND | 59.73 | ND | NA | NA | NA | 3370.16 | |
| MW-3 | 09/24/20 | 3429.89 | 65.55 | ND | 60.20 | ND | NA | NA | NA | 3369.69 | dry |
| MW-3 | 10/14/20 | 3429.89 | 65.55 | ND | 59.76 | ND | NA | NA | 10.00 | 3370.13 | |
| MW-3 | 10/30/20 | 3429.89 | 65.55 | ND | 60.18 | ND | NA | NA | NA | 3369.71 | |
| MW-3 | 11/11/20 | 3429.89 | 65.55 | ND | 60.15 | ND | NA | NA | NA | 3369.74 | |
| MW-3 | 11/25/20 | 3429.89 | 65.55 | ND | 59.75 | ND | NA | NA | NA | 3370.14 | |
| MW-3 | 12/11/20 | 3429.89 | 65.55 | ND | 59.81 | ND | NA | NA | NA | 3370.08 | |
| MW-3 | 12/22/20 | 3429.89 | 65.55 | ND | 59.80 | ND | NA | NA | NA | 3370.09 | |
| MW-3 | 01/06/21 | 3429.89 | 65.55 | ND | 59.86 | ND | NA | NA | 1.50 | 3370.03 | dry |
| MW-3 | 01/19/21 | 3429.89 | 65.55 | ND | 59.82 | ND | NA | NA | NA | 3370.07 | |
| MW-3 | 02/03/21 | 3429.89 | 65.55 | ND | 59.86 | ND | NA | NA | NA | 3370.03 | |
| MW-3 | 02/25/21 | 3429.89 | 65.55 | ND | 59.84 | ND | NA | NA | NA | 3370.05 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-3 | 03/03/21 | 3429.89 | 65.55 | ND | 59.82 | ND | NA | NA | NA | 3370.07 | |
| MW-3 | 03/17/21 | 3429.89 | 65.55 | ND | 59.84 | ND | NA | NA | 3.00 | 3370.05 | sampled |
| MW-3 | 03/31/21 | 3429.89 | 65.55 | ND | 59.89 | ND | NA | NA | NA | 3370.00 | |
| MW-3 | 04/15/21 | 3429.89 | 65.55 | ND | 59.92 | ND | NA | NA | NA | 3369.97 | |
| MW-3 | 04/28/21 | 3429.89 | 65.55 | ND | 59.89 | ND | NA | NA | NA | 3370.00 | |
| MW-3 | 05/21/21 | 3429.89 | 65.55 | ND | 59.86 | ND | NA | NA | NA | 3370.03 | |
| MW-3 | 05/28/21 | 3429.89 | 65.55 | ND | 59.91 | ND | NA | NA | NA | 3369.98 | |
| MW-3 | 06/11/21 | 3429.89 | 65.55 | ND | 59.91 | ND | NA | NA | NA | 3369.98 | |
| MW-3 | 06/22/21 | 3429.89 | 65.55 | Sheen | 59.95 | Sheen | NA | NA | NA | 3369.94 | |
| MW-3 | 07/09/21 | 3429.89 | 65.55 | ND | 59.81 | ND | NA | NA | NA | 3370.08 | |
| MW-3 | 07/23/21 | 3429.89 | 65.55 | ND | 59.72 | ND | NA | NA | NA | 3370.17 | |
| MW-3 | 08/13/21 | 3429.89 | 65.55 | ND | 60.05 | ND | NA | NA | NA | 3369.84 | |
| MW-3 | 08/26/21 | 3429.89 | 65.55 | ND | 60.06 | ND | NA | NA | NA | 3369.83 | |
| MW-3 | 09/09/21 | 3429.89 | 65.55 | ND | 60.12 | ND | NA | NA | NA | 3369.77 | |
| MW-3 | 09/17/21 | 3429.89 | 65.55 | ND | 60.10 | ND | NA | NA | NA | 3369.79 | |
| MW-3 | 09/28/21 | 3429.89 | 65.55 | ND | 60.11 | ND | NA | NA | NA | 3369.78 | |
| MW-3 | 10/13/21 | 3429.89 | 65.55 | ND | 60.15 | ND | NA | NA | NA | 3369.74 | |
| MW-3 | 10/22/21 | 3429.89 | 65.55 | ND | 60.12 | ND | NA | NA | NA | 3369.77 | |
| MW-3 | 10/03/21 | 3429.89 | 65.55 | ND | 60.05 | ND | NA | NA | NA | 3369.84 | |
| MW-3 | 11/18/21 | 3429.89 | 65.55 | ND | 60.06 | ND | NA | NA | NA | 3369.83 | |
| MW-3 | 12/03/21 | 3429.89 | 65.55 | ND | 60.24 | ND | NA | NA | NA | 3369.65 | |
| MW-3 | 12/09/21 | 3429.89 | 65.55 | ND | 60.24 | ND | NA | NA | NA | 3369.65 | |
| MW-3 | 12/30/21 | 3429.89 | 65.55 | ND | 60.10 | ND | NA | NA | NA | 3369.79 | |
| MW-3 | 01/12/22 | 3429.89 | 65.55 | ND | 60.21 | ND | NA | NA | NA | 3369.68 | |
| MW-3 | 01/28/22 | 3429.89 | 65.55 | ND | 60.22 | ND | NA | NA | NA | 3369.67 | |
| MW-3 | 02/09/22 | 3429.89 | 65.55 | ND | 60.22 | ND | NA | NA | NA | 3369.67 | |
| MW-3 | 02/24/22 | 3429.89 | 65.55 | ND | 60.24 | ND | NA | NA | NA | 3369.65 | |
| MW-3 | 03/10/22 | 3429.89 | 65.55 | ND | 60.21 | ND | NA | NA | NA | 3369.68 | |
| MW-3 | 03/17/22 | 3429.89 | 65.55 | ND | 60.25 | ND | NA | NA | NA | 3369.64 | |
| MW-3 | 03/25/22 | 3429.89 | 65.55 | ND | 60.61 | ND | NA | NA | NA | 3369.28 | |
| MW-3 | 03/31/22 | 3429.89 | 65.55 | ND | 60.30 | ND | NA | NA | NA | 3369.59 | |
| MW-3 | 04/07/22 | 3429.89 | 65.55 | ND | 60.28 | ND | NA | NA | NA | 3369.61 | |
| MW-3 | 04/12/22 | 3429.89 | 65.55 | ND | 60.28 | ND | NA | NA | NA | 3369.61 | |
| MW-3 | 05/04/22 | 3429.89 | 65.55 | ND | 60.28 | ND | NA | NA | NA | 3369.61 | |

TABLE 2
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Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| **MW-3** | 05/11/22 | 3429.89 | 65.55 | ND | 60.33 | ND | NA | NA | NA | 3369.56 | |
| **MW-3** | 05/24/22 | 3429.89 | 65.55 | ND | 60.35 | ND | NA | NA | NA | 3369.54 | |
| **MW-3** | 06/03/22 | 3429.89 | 65.55 | ND | 60.38 | ND | NA | NA | NA | 3369.51 | |
| **MW-3** | 06/17/22 | 3429.89 | 65.55 | ND | 60.40 | ND | NA | NA | NA | 3369.49 | |
| **MW-3** | 06/28/22 | 3429.89 | 65.55 | ND | 60.44 | ND | NA | NA | NA | 3369.45 | |
| **MW-3** | 07/06/22 | 3429.89 | 65.55 | ND | 60.42 | ND | NA | NA | NA | 3369.47 | |
| **MW-3** | 07/20/22 | 3429.89 | 65.55 | ND | 60.41 | ND | NA | NA | NA | 3369.48 | |
| **MW-3** | 09/02/22 | 3429.89 | 65.55 | ND | 60.51 | ND | NA | NA | NA | 3369.38 | |
| **MW-3** | 09/14/22 | 3429.89 | 65.55 | ND | 60.52 | ND | NA | NA | NA | 3369.37 | |
| **MW-3** | 09/30/22 | 3429.89 | 65.55 | ND | 60.60 | ND | NA | NA | NA | 3369.29 | |
| **MW-3** | 10/05/22 | 3429.89 | 65.55 | ND | 60.57 | ND | NA | NA | NA | 3369.32 | |
| **MW-3** | 10/18/22 | 3429.89 | 65.55 | ND | 60.53 | ND | NA | NA | NA | 3369.36 | |
| **MW-3** | 11/01/22 | 3429.89 | 65.55 | ND | 60.65 | ND | NA | NA | NA | 3369.24 | |
| **MW-3** | 11/10/22 | 3429.89 | 65.55 | ND | 60.58 | ND | NA | NA | NA | 3369.31 | |
| **MW-3** | 12/21/22 | 3429.89 | 65.55 | ND | 60.65 | ND | NA | NA | NA | 3369.24 | |
| **MW-3** | 01/05/23 | 3429.89 | 65.55 | ND | 60.64 | ND | NA | NA | NA | 3369.25 | |
| **MW-3** | 01/19/23 | 3429.89 | 65.55 | ND | 60.67 | ND | NA | NA | NA | 3369.22 | |
| **MW-3** | 02/10/23 | 3429.89 | 65.55 | ND | 60.60 | ND | NA | NA | NA | 3369.29 | |
| **MW-3** | 03/02/23 | 3429.89 | 65.55 | ND | 60.65 | ND | NA | NA | 10.00 | 3369.24 | |
| **MW-3** | 03/16/23 | 3429.89 | 65.55 | ND | 60.61 | ND | NA | NA | NA | 3369.28 | |
| **MW-3** | 05/18/23 | 3429.89 | 65.55 | ND | 60.65 | ND | NA | NA | NA | 3369.24 | |
| **MW-3** | 06/14/23 | 3429.89 | 65.55 | ND | 60.68 | ND | NA | NA | 10.00 | 3369.21 | |
| **MW-3** | 08/03/23 | 3429.89 | 65.55 | ND | 60.51 | ND | NA | NA | NA | 3369.38 | |
| **MW-3** | 08/17/23 | 3429.89 | 65.55 | ND | 60.78 | ND | NA | NA | NA | 3369.11 | |
| **MW-3** | 09/07/23 | 3429.89 | 65.55 | ND | 60.82 | ND | NA | NA | 6.00 | 3369.07 | |
| **MW-3** | 10/05/23 | 3429.89 | 65.55 | 60.85 | 60.87 | 0.02 | NA | NA | NA | 3369.04 | |
| **MW-3** | 10/18/23 | 3429.89 | 65.55 | ND | 60.89 | ND | NA | NA | 10.00 | 3369.00 | |
| **MW-3** | 11/02/23 | 3429.89 | 65.55 | ND | 60.90 | ND | NA | NA | NA | 3368.99 | |
| | | | | | | | | | | | |
| **MW-4** | 01/03/18 | 3430.36 | 71.90 | 59.15 | 59.16 | 0.01 | NA | NA | 10.00 | 3371.21 | |
| **MW-4** | 01/10/18 | 3430.36 | 71.90 | 59.11 | 59.20 | 0.09 | NA | sheen | 10.00 | 3371.24 | |
| **MW-4** | 01/18/18 | 3430.36 | 71.90 | 59.14 | 59.15 | 0.01 | NA | sheen | 10.00 | 3371.22 | |
| **MW-4** | 01/26/18 | 3430.36 | 71.90 | 59.07 | 59.11 | 0.04 | NA | sheen | 10.00 | 3371.28 | |
| **MW-4** | 02/01/18 | 3430.36 | 71.90 | SHEEN | 58.90 | SHEEN | NA | sheen | 10.00 | 3371.46 | |
| **MW-4** | 02/08/18 | 3430.36 | 71.90 | 59.04 | 59.07 | 0.03 | NA | sheen | 10.00 | 3371.32 | |

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Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-4 | 02/14/18 | 3430.36 | 71.90 | SHEEN | 59.16 | SHEEN | NA | NA | NA | 3371.20 | |
| MW-4 | 02/21/18 | 3430.36 | 71.90 | 59.20 | 59.21 | 0.01 | NA | NA | 10.00 | 3371.16 | |
| MW-4 | 02/28/18 | 3430.36 | 71.90 | SHEEN | 59.05 | SHEEN | NA | NA | NA | 3371.31 | |
| MW-4 | 03/09/18 | 3430.36 | 71.90 | 59.10 | 59.15 | 0.05 | NA | NA | NA | 3371.25 | |
| MW-4 | 03/15/18 | 3430.36 | 71.90 | SHEEN | 59.16 | SHEEN | NA | NA | 10.00 | 3371.20 | |
| MW-4 | 03/22/18 | 3430.36 | 71.90 | SHEEN | 59.12 | SHEEN | NA | NA | 10.00 | 3371.24 | |
| MW-4 | 03/28/18 | 3430.36 | 71.90 | SHEEN | 59.18 | SHEEN | NA | NA | 10.00 | 3371.18 | |
| MW-4 | 04/03/18 | 3430.36 | 71.90 | 59.17 | 59.24 | 0.07 | NA | sheen | 10.00 | 3371.18 | |
| MW-4 | 04/10/18 | 3430.36 | 71.90 | SHEEN | 59.21 | SHEEN | NA | sheen | 10.00 | 3371.15 | |
| MW-4 | 04/19/18 | 3430.36 | 71.90 | SHEEN | 59.21 | SHEEN | NA | sheen | 10.00 | 3371.15 | |
| MW-4 | 04/25/18 | 3430.36 | 71.90 | SHEEN | 59.25 | SHEEN | NA | NA | 10.00 | 3371.11 | |
| MW-4 | 05/02/18 | 3430.36 | 71.90 | 59.19 | 59.20 | 0.01 | NA | sheen | 10.00 | 3371.17 | |
| MW-4 | 05/10/18 | 3430.36 | 71.90 | 59.20 | 59.23 | 0.03 | NA | sheen | 10.00 | 3371.16 | |
| MW-4 | 05/15/18 | 3430.36 | 71.90 | 59.22 | 59.23 | 0.01 | NA | sheen | 10.00 | 3371.14 | |
| MW-4 | 05/23/18 | 3430.36 | 71.90 | ND | 58.91 | ND | NA | NA | NA | 3371.45 | |
| MW-4 | 06/07/18 | 3430.36 | 71.90 | SHEEN | 59.31 | SHEEN | NA | NA | NA | 3371.05 | Sampled |
| MW-4 | 06/13/18 | 3430.36 | 71.90 | SHEEN | 59.37 | SHEEN | NA | sheen | 10.00 | 3370.99 | |
| MW-4 | 06/20/18 | 3430.36 | 71.90 | ND | 59.41 | ND | NA | sheen | 10.00 | 3370.95 | |
| MW-4 | 06/28/18 | 3430.36 | 71.90 | 59.35 | 59.36 | 0.01 | NA | NA | NA | 3371.01 | |
| MW-4 | 07/05/18 | 3430.36 | 71.90 | 59.38 | 59.39 | 0.01 | NA | NA | NA | 3370.98 | |
| MW-4 | 07/12/18 | 3430.36 | 71.90 | 59.40 | 59.41 | 0.01 | NA | sheen | 10.00 | 3370.96 | |
| MW-4 | 07/20/18 | 3430.36 | 71.90 | 59.41 | 59.45 | 0.04 | NA | sheen | 10.00 | 3370.94 | |
| MW-4 | 08/01/18 | 3430.36 | 71.90 | 59.43 | 59.47 | 0.04 | NA | sheen | 10.00 | 3370.92 | |
| MW-4 | 08/08/18 | 3430.36 | 71.90 | 59.40 | 59.44 | 0.04 | NA | sheen | 10.00 | 3370.95 | |
| MW-4 | 08/21/18 | 3430.36 | 71.90 | 59.41 | 59.46 | 0.05 | NA | sheen | 10.00 | 3370.94 | |
| MW-4 | 08/30/18 | 3430.36 | 71.90 | 59.45 | 59.47 | 0.02 | NA | sheen | 10.00 | 3370.91 | |
| MW-4 | 09/12/18 | 3430.36 | 71.90 | 59.49 | 59.52 | 0.03 | NA | sheen | 10.00 | 3370.87 | |
| MW-4 | 09/26/18 | 3430.36 | 71.90 | 59.51 | 59.54 | 0.03 | NA | sheen | 10.00 | 3370.85 | |
| MW-4 | 10/04/18 | 3430.36 | 71.90 | 59.51 | 59.56 | 0.05 | NA | sheen | 10.00 | 3370.84 | |
| MW-4 | 10/11/18 | 3430.36 | 71.90 | 59.50 | 59.54 | 0.04 | NA | sheen | 10.00 | 3370.85 | |
| MW-4 | 10/17/18 | 3430.36 | 71.90 | 59.25 | 59.27 | 0.02 | NA | sheen | 10.00 | 3371.11 | |
| MW-4 | 10/24/18 | 3430.36 | 71.90 | 59.19 | 59.20 | 0.01 | NA | 0.25 | 9.75 | 3371.17 | |
| MW-4 | 11/01/18 | 3430.36 | 71.90 | 59.32 | 59.33 | 0.01 | NA | sheen | 10.00 | 3371.04 | Sampled |
| MW-4 | 11/07/18 | 3430.36 | 71.90 | SHEEN | 59.45 | SHEEN | NA | sheen | 10.00 | 3370.91 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-4 | 11/13/18 | 3430.36 | 71.90 | 59.47 | 59.50 | 0.03 | NA | sheen | 10.00 | 3370.89 | |
| MW-4 | 11/21/18 | 3430.36 | 71.90 | 59.54 | 59.60 | 0.06 | NA | sheen | 10.00 | 3370.81 | |
| MW-4 | 11/30/18 | 3430.36 | 71.90 | 59.50 | 59.55 | 0.05 | NA | sheen | 10.00 | 3370.85 | |
| MW-4 | 12/07/18 | 3430.36 | 71.90 | 59.52 | 59.56 | 0.04 | NA | sheen | 10.00 | 3370.83 | |
| MW-4 | 12/13/18 | 3430.36 | 71.90 | 59.52 | 59.56 | 0.04 | NA | sheen | 10.00 | 3370.83 | |
| MW-4 | 12/19/18 | 3430.36 | 71.90 | 59.55 | 59.57 | 0.02 | NA | sheen | 10.00 | 3370.81 | |
| MW-4 | 01/03/19 | 3430.36 | 71.90 | SHEEN | 59.59 | SHEEN | NA | sheen | 10.00 | 3370.77 | |
| MW-4 | 01/09/19 | 3430.36 | 71.90 | SHEEN | 59.64 | SHEEN | NA | sheen | 10.00 | 3370.72 | |
| MW-4 | 01/18/19 | 3430.36 | 71.90 | 59.52 | 59.53 | 0.01 | NA | sheen | 10.00 | 3370.84 | |
| MW-4 | 01/23/19 | 3430.36 | 71.90 | 59.54 | 59.55 | 0.01 | NA | NA | NA | 3370.82 | |
| MW-4 | 01/30/19 | 3430.36 | 71.90 | 59.60 | 59.61 | 0.01 | NA | sheen | 10.00 | 3370.76 | |
| MW-4 | 02/06/19 | 3430.36 | 71.90 | 59.62 | 59.66 | 0.04 | NA | sheen | 10.00 | 3370.73 | |
| MW-4 | 02/14/19 | 3430.36 | 71.90 | 59.55 | 59.64 | 0.09 | NA | NA | NA | 3370.80 | |
| MW-4 | 02/22/19 | 3430.36 | 71.90 | 59.55 | 59.56 | 0.01 | NA | NA | NA | 3370.81 | |
| MW-4 | 02/28/19 | 3430.36 | 71.90 | 59.58 | 59.69 | 0.11 | NA | sheen | 10.00 | 3370.76 | |
| MW-4 | 03/06/19 | 3430.36 | 71.90 | 59.61 | 59.67 | 0.06 | NA | sheen | 10.00 | 3370.74 | |
| MW-4 | 03/12/19 | 3430.36 | 71.90 | 59.60 | 59.66 | 0.06 | NA | sheen | 10.00 | 3370.75 | Sampled |
| MW-4 | 03/22/19 | 3430.36 | 71.90 | 59.59 | 59.64 | 0.05 | NA | sheen | 10.00 | 3370.76 | |
| MW-4 | 03/28/19 | 3430.36 | 71.90 | 59.50 | 59.60 | 0.10 | NA | sheen | 10.00 | 3370.85 | |
| MW-4 | 04/03/19 | 3430.36 | 71.90 | 59.55 | 59.63 | 0.08 | NA | sheen | 10.00 | 3370.80 | |
| MW-4 | 04/11/19 | 3430.36 | 71.90 | 59.52 | 59.59 | 0.07 | NA | sheen | 10.00 | 3370.83 | |
| MW-4 | 04/16/19 | 3430.36 | 71.90 | 59.54 | 59.61 | 0.07 | NA | sheen | 10.00 | 3370.81 | |
| MW-4 | 04/25/19 | 3430.36 | 71.90 | 59.56 | 59.60 | 0.04 | NA | sheen | 10.00 | 3370.79 | |
| MW-4 | 05/01/19 | 3430.36 | 71.90 | 59.46 | 59.58 | 0.12 | NA | sheen | 10.00 | 3370.88 | |
| MW-4 | 05/14/19 | 3430.36 | 71.90 | 59.59 | 59.71 | 0.12 | NA | NA | NA | 3370.75 | Sampled |
| MW-4 | 05/24/19 | 3430.36 | 71.90 | 59.64 | 59.72 | 0.08 | NA | sheen | 10.00 | 3370.71 | |
| MW-4 | 06/05/19 | 3430.36 | 71.90 | 59.67 | 59.72 | 0.05 | NA | sheen | 10.00 | 3370.68 | |
| MW-4 | 06/14/19 | 3430.36 | 71.90 | 59.60 | 59.67 | 0.07 | NA | sheen | 10.00 | 3370.75 | |
| MW-4 | 06/20/19 | 3430.36 | 71.90 | 59.66 | 59.73 | 0.07 | NA | sheen | 10.00 | 3370.69 | |
| MW-4 | 06/26/19 | 3430.36 | 71.90 | 59.70 | 59.71 | 0.01 | NA | sheen | 10.00 | 3370.66 | |
| MW-4 | 07/03/19 | 3430.36 | 71.90 | 59.74 | 59.79 | 0.04 | NA | sheen | 10.00 | 3370.61 | |
| MW-4 | 07/11/19 | 3430.36 | 71.90 | 59.76 | 59.77 | 0.01 | NA | NA | NA | 3370.60 | |
| MW-4 | 07/26/19 | 3430.36 | 71.90 | 59.85 | 59.90 | 0.05 | NA | sheen | 10.00 | 3370.50 | |
| MW-4 | 08/10/19 | 3430.36 | 71.90 | 59.84 | 59.89 | 0.05 | NA | sheen | 10.00 | 3370.51 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-4 | 08/15/19 | 3430.36 | 71.90 | 59.84 | 59.91 | 0.07 | NA | sheen | 10.00 | 3370.51 | |
| MW-4 | 08/27/19 | 3430.36 | 71.90 | 59.91 | 59.96 | 0.05 | NA | sheen | 10.00 | 3370.44 | |
| MW-4 | 09/06/19 | 3430.36 | 71.90 | 59.92 | 60.02 | 0.10 | NA | sheen | 10.00 | 3370.43 | |
| MW-4 | 09/13/19 | 3430.36 | 71.90 | 59.80 | 60.03 | 0.23 | NA | sheen | 10.00 | 3370.53 | |
| MW-4 | 09/20/19 | 3430.36 | 71.90 | 59.93 | 59.95 | 0.02 | NA | 1.00 | 9.00 | 3370.43 | |
| MW-4 | 10/09/19 | 3430.36 | 71.90 | 59.62 | 59.82 | 0.20 | NA | 0.25 | 9.75 | 3370.71 | |
| MW-4 | 10/17/19 | 3430.36 | 71.90 | 59.91 | 60.00 | 0.09 | NA | sheen | 10.00 | 3370.44 | |
| MW-4 | 10/24/19 | 3430.36 | 71.90 | 59.94 | 60.00 | 0.06 | NA | sheen | 10.00 | 3370.41 | |
| MW-4 | 11/01/19 | 3430.36 | 71.90 | 59.84 | 59.86 | 0.02 | NA | 1.00 | 9.00 | 3370.52 | |
| MW-4 | 11/08/19 | 3430.36 | 71.90 | 59.81 | 59.83 | 0.02 | NA | sheen | 10.00 | 3370.55 | |
| MW-4 | 11/15/19 | 3430.36 | 71.90 | 59.79 | 59.80 | 0.01 | NA | sheen | 10.00 | 3370.57 | |
| MW-4 | 11/19/19 | 3430.36 | 71.90 | 59.77 | 59.80 | 0.03 | NA | sheen | 10.00 | 3370.59 | |
| MW-4 | 11/26/19 | 3430.36 | 71.90 | 59.76 | 59.95 | 0.19 | NA | 0.25 | 9.75 | 3370.57 | |
| MW-4 | 12/04/19 | 3430.36 | 71.90 | 59.74 | 59.95 | 0.21 | NA | sheen | 10.00 | 3370.59 | |
| MW-4 | 12/13/19 | 3430.36 | 71.90 | 59.75 | 59.81 | 0.06 | NA | sheen | 10.00 | 3370.60 | |
| MW-4 | 12/20/19 | 3430.36 | 71.90 | 59.76 | 59.79 | 0.03 | NA | sheen | 10.00 | 3370.60 | |
| MW-4 | 12/27/19 | 3430.36 | 71.90 | 59.76 | 59.77 | 0.01 | NA | sheen | 10.00 | 3370.60 | |
| MW-4 | 01/30/20 | 3430.36 | 71.90 | 59.78 | 59.80 | 0.02 | NA | sheen | 10.00 | 3370.58 | |
| MW-4 | 01/09/20 | 3430.36 | 71.90 | 59.77 | 59.78 | 0.01 | NA | sheen | 10.00 | 3370.59 | |
| MW-4 | 01/15/20 | 3430.36 | 71.90 | 59.72 | 59.75 | 0.03 | NA | sheen | 10.00 | 3370.64 | |
| MW-4 | 01/30/20 | 3430.36 | 71.90 | 59.81 | 59.90 | 0.09 | NA | sheen | 10.00 | 3370.54 | |
| MW-4 | 02/12/20 | 3430.36 | 71.90 | 59.80 | 59.92 | 0.12 | NA | sheen | 10.00 | 3370.54 | |
| MW-4 | 02/27/20 | 3430.36 | 71.90 | 59.80 | 59.82 | 0.02 | NA | sheen | 10.00 | 3370.56 | |
| MW-4 | 03/04/20 | 3430.36 | 71.90 | 59.92 | 60.04 | 0.12 | NA | sheen | 10.00 | 3370.42 | |
| MW-4 | 03/12/20 | 3430.36 | 71.90 | 59.84 | 59.90 | 0.06 | NA | sheen | 10.00 | 3370.51 | |
| MW-4 | 03/17/20 | 3430.36 | 71.90 | 59.81 | 59.88 | 0.07 | NA | NA | NA | 3370.54 | |
| MW-4 | 03/23/20 | 3430.36 | 71.90 | 59.82 | 59.91 | 0.09 | NA | sheen | 10.00 | 3370.53 | |
| MW-4 | 05/07/20 | 3430.36 | 71.90 | 59.68 | 59.82 | 0.14 | NA | NA | NA | 3370.66 | |
| MW-4 | 05/29/20 | 3430.36 | 71.90 | 59.75 | 59.89 | 0.14 | NA | 1.00 | 9.00 | 3370.59 | |
| MW-4 | 06/12/20 | 3430.36 | 71.90 | 59.78 | 59.80 | 0.02 | NA | sheen | 10.00 | 3370.58 | |
| MW-4 | 06/18/20 | 3430.36 | 71.90 | 59.82 | 59.90 | 0.08 | NA | sheen | 10.00 | 3370.53 | |
| MW-4 | 07/21/20 | 3430.36 | 71.90 | 59.90 | 60.22 | 0.32 | NA | 1.00 | 9.00 | 3370.41 | |
| MW-4 | 08/05/20 | 3430.36 | 71.90 | 59.95 | 60.45 | 0.50 | NA | 1.00 | 9.00 | 3370.34 | |
| MW-4 | 09/17/20 | 3430.36 | 71.90 | 60.00 | 60.73 | 0.73 | NA | NA | NA | 3370.25 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-4 | 09/24/20 | 3430.36 | 71.90 | 60.00 | 61.50 | 1.50 | NA | 2.50 | 7.50 | 3370.14 | |
| MW-4 | 10/14/20 | 3430.36 | 71.90 | 60.00 | 60.45 | 0.45 | NA | sheen | 10.00 | 3370.29 | |
| MW-4 | 10/30/20 | 3430.36 | 71.90 | 59.84 | 59.90 | 0.06 | NA | sheen | 10.00 | 3370.51 | |
| MW-4 | 11/11/20 | 3430.36 | 71.90 | 59.82 | 59.91 | 0.09 | NA | sheen | 10.00 | 3370.53 | |
| MW-4 | 11/25/20 | 3430.36 | 71.90 | 60.05 | 60.08 | 0.03 | NA | sheen | 10.00 | 3370.31 | |
| MW-4 | 12/11/20 | 3430.36 | 71.90 | 60.05 | 60.28 | 0.23 | NA | 0.25 | 9.75 | 3370.28 | |
| MW-4 | 12/22/20 | 3430.36 | 71.90 | 59.84 | 60.02 | 0.18 | NA | 0.25 | 9.75 | 3370.49 | |
| MW-4 | 01/06/21 | 3430.36 | 71.90 | 60.12 | 60.13 | 0.01 | NA | sheen | 15.00 | 3370.24 | |
| MW-4 | 01/19/21 | 3430.36 | 71.90 | 59.72 | 60.72 | 1.00 | NA | 1.00 | 9.00 | 3370.49 | |
| MW-4 | 02/03/21 | 3430.36 | 71.90 | 60.14 | 60.19 | 0.05 | NA | sheen | 10.00 | 3370.21 | |
| MW-4 | 02/25/21 | 3430.36 | 71.90 | 60.10 | 60.25 | 0.15 | NA | 1.00 | 9.00 | 3370.24 | |
| MW-4 | 03/03/21 | 3430.36 | 71.90 | 60.10 | 60.34 | 0.24 | NA | 1.00 | 9.00 | 3370.22 | |
| MW-4 | 03/17/21 | 3430.36 | 71.90 | 60.07 | 60.10 | 0.03 | NA | sheen | 10.00 | 3370.29 | |
| MW-4 | 03/31/21 | 3430.36 | 71.90 | 60.11 | 60.15 | 0.04 | NA | 0.25 | 9.75 | 3370.24 | |
| MW-4 | 04/15/21 | 3430.36 | 71.90 | 60.19 | 60.20 | 0.01 | NA | sheen | 10.00 | 3370.17 | |
| MW-4 | 04/28/21 | 3430.36 | 71.90 | 60.15 | 60.42 | 0.27 | NA | 0.25 | 9.75 | 3370.17 | |
| MW-4 | 05/21/21 | 3430.36 | 71.90 | 60.08 | 60.14 | 0.06 | NA | sheen | 10.00 | 3370.27 | |
| MW-4 | 05/28/21 | 3430.36 | 71.90 | 60.10 | 60.21 | 0.11 | NA | 1.00 | 9.00 | 3370.24 | |
| MW-4 | 06/11/21 | 3430.36 | 71.90 | 60.23 | 60.28 | 0.05 | NA | sheen | 10.00 | 3370.12 | |
| MW-4 | 06/22/21 | 3430.36 | 71.90 | 60.22 | 60.35 | 0.13 | NA | 1.00 | 23.00 | 3370.12 | |
| MW-4 | 07/09/21 | 3430.36 | 71.90 | 60.15 | 60.22 | 0.07 | NA | 0.25 | 9.75 | 3370.20 | |
| MW-4 | 07/23/21 | 3430.36 | 71.90 | 60.21 | 60.24 | 0.03 | NA | 0.25 | 9.75 | 3370.15 | |
| MW-4 | 08/13/21 | 3430.36 | 71.90 | 60.30 | 60.46 | 0.16 | NA | 0.25 | 9.75 | 3370.04 | |
| MW-4 | 08/26/21 | 3430.36 | 71.90 | 60.26 | 60.55 | 0.29 | NA | 0.25 | 9.75 | 3370.06 | |
| MW-4 | 09/09/21 | 3430.36 | 71.90 | 60.41 | 60.42 | 0.01 | NA | sheen | 10.00 | 3369.95 | |
| MW-4 | 09/17/21 | 3430.36 | 71.90 | 60.28 | 60.35 | 0.07 | NA | 0.25 | 9.75 | 3370.07 | |
| MW-4 | 09/28/21 | 3430.36 | 71.90 | 60.12 | 60.31 | 0.19 | NA | sheen | 10.00 | 3370.21 | |
| MW-4 | 10/13/21 | 3430.36 | 71.90 | 60.40 | 60.48 | 0.08 | NA | 1.00 | 9.00 | 3369.95 | |
| MW-4 | 10/22/21 | 3430.36 | 71.90 | 60.22 | 60.35 | 0.13 | NA | 0.25 | 9.75 | 3370.12 | |
| MW-4 | 11/03/21 | 3430.36 | 71.90 | 60.15 | 60.22 | 0.07 | NA | 0.25 | 9.75 | 3370.20 | |
| MW-4 | 11/18/21 | 3430.36 | 71.90 | SHEEN | 60.31 | SHEEN | NA | sheen | 10.00 | 3370.05 | |
| MW-4 | 12/03/21 | 3430.36 | 71.90 | 60.52 | 60.53 | 0.01 | NA | sheen | 10.00 | 3369.84 | |
| MW-4 | 12/09/21 | 3430.36 | 71.90 | 60.54 | 60.55 | 0.01 | NA | sheen | 10.00 | 3369.82 | |
| MW-4 | 12/30/21 | 3430.36 | 71.90 | 60.41 | 60.51 | 0.10 | NA | 0.25 | 9.75 | 3369.94 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-4 | 01/12/22 | 3430.36 | 71.90 | 60.45 | 60.46 | 0.01 | NA | sheen | 10.00 | 3369.91 | |
| MW-4 | 01/28/22 | 3430.36 | 71.90 | 60.45 | 60.59 | 0.14 | NA | 0.25 | 9.75 | 3369.89 | |
| MW-4 | 02/09/22 | 3430.36 | 71.90 | 60.41 | 60.61 | 0.20 | NA | sheen | 10.00 | 3369.92 | |
| MW-4 | 02/24/22 | 3430.36 | 71.90 | 60.31 | 60.59 | 0.28 | NA | 0.25 | 9.75 | 3370.01 | |
| MW-4 | 03/10/22 | 3430.36 | 71.90 | 60.28 | 60.48 | 0.20 | NA | 1.00 | 9.00 | 3370.05 | |
| MW-4 | 03/17/22 | 3430.36 | 71.90 | 60.50 | 60.57 | 0.07 | NA | sheen | 10.00 | 3369.85 | |
| MW-4 | 03/25/22 | 3430.36 | 71.90 | 60.53 | 60.60 | 0.07 | NA | sheen | 10.00 | 3369.82 | |
| MW-4 | 03/31/22 | 3430.36 | 71.90 | 60.20 | 60.38 | 0.18 | NA | sheen | 10.00 | 3370.13 | |
| MW-4 | 04/07/22 | 3430.36 | 71.90 | 60.55 | 60.82 | 0.27 | NA | 0.25 | 9.75 | 3369.77 | |
| MW-4 | 04/12/22 | 3430.36 | 71.90 | 60.55 | 60.64 | 0.09 | NA | sheen | 10.00 | 3369.80 | |
| MW-4 | 05/04/22 | 3430.36 | 71.90 | 60.64 | 60.76 | 0.12 | NA | 1.00 | 9.00 | 3369.70 | |
| MW-4 | 05/11/22 | 3430.36 | 71.90 | 60.60 | 60.81 | 0.21 | NA | 1.00 | 9.00 | 3369.73 | |
| MW-4 | 05/24/22 | 3430.36 | 71.90 | 60.52 | 60.78 | 0.26 | NA | 1.00 | 9.00 | 3369.80 | |
| MW-4 | 06/03/22 | 3430.36 | 71.90 | 60.65 | 60.92 | 0.27 | NA | 1.00 | 9.00 | 3369.67 | |
| MW-4 | 06/17/22 | 3430.36 | 71.90 | 60.70 | 60.85 | 0.15 | NA | sheen | 10.00 | 3369.64 | |
| MW-4 | 06/28/22 | 3430.36 | 71.90 | 60.08 | 61.05 | 0.97 | NA | NA | NA | 3370.13 | |
| MW-4 | 07/06/22 | 3430.36 | 71.90 | 60.10 | 61.09 | 0.99 | NA | 1.00 | 9.00 | 3370.11 | |
| MW-4 | 07/20/22 | 3430.36 | 71.90 | 60.70 | 61.15 | 0.45 | NA | 0.50 | 9.50 | 3369.59 | |
| MW-4 | 09/02/22 | 3430.36 | 71.90 | 60.75 | 60.97 | 0.22 | NA | sheen | 10.00 | 3369.58 | |
| MW-4 | 09/13/22 | 3430.36 | 71.90 | 60.79 | 60.90 | 0.11 | NA | sheen | 10.00 | 3369.55 | |
| MW-4 | 09/30/22 | 3430.36 | 71.90 | 60.81 | 60.86 | 0.05 | NA | sheen | 10.00 | 3369.54 | |
| MW-4 | 10/05/22 | 3430.36 | 71.90 | 60.83 | 60.85 | 0.02 | NA | sheen | 10.00 | 3369.53 | |
| MW-4 | 10/18/22 | 3430.36 | 71.90 | 60.78 | 60.91 | 0.13 | NA | sheen | 10.00 | 3369.56 | |
| MW-4 | 11/01/22 | 3430.36 | 71.90 | 60.90 | 60.99 | 0.09 | NA | 0.25 | 9.75 | 3369.45 | |
| MW-4 | 11/10/22 | 3430.36 | 71.90 | 60.83 | 60.85 | 0.02 | NA | sheen | 10.00 | 3369.53 | |
| MW-4 | 12/21/22 | 3430.36 | 71.90 | 60.90 | 61.10 | 0.20 | NA | 0.25 | 9.75 | 3369.43 | |
| MW-4 | 01/05/23 | 3430.36 | 71.90 | 60.85 | 61.15 | 0.30 | NA | 1.50 | 8.50 | 3369.47 | |
| MW-4 | 01/19/23 | 3430.36 | 71.90 | 60.92 | 60.96 | 0.04 | NA | sheen | 10.00 | 3369.43 | |
| MW-4 | 02/10/23 | 3430.36 | 71.90 | 60.87 | 60.88 | 0.01 | NA | sheen | 10.00 | 3369.49 | |
| MW-4 | 03/21/23 | 3430.36 | 71.90 | 60.81 | 61.00 | 0.19 | NA | 1.00 | 9.00 | 3369.52 | |
| MW-4 | 05/18/23 | 3430.36 | 71.90 | 60.94 | 63.10 | 2.16 | NA | 1.00 | 9.00 | 3369.10 | |
| MW-4 | 06/14/23 | 3430.36 | 71.90 | 60.95 | 61.02 | 0.07 | NA | 1.00 | 20.00 | 3369.40 | |
| MW-4 | 08/03/23 | 3430.36 | 71.90 | 61.10 | 61.14 | 0.04 | NA | 1.00 | 9.00 | 3369.25 | |
| MW-4 | 08/17/23 | 3430.36 | 71.90 | 61.00 | 61.29 | 0.29 | NA | 1.50 | 8.50 | 3369.32 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| **MW-4** | 09/06/23 | 3430.36 | 71.90 | 61.08 | 61.22 | 0.14 | NA | 0.50 | 4.50 | 3369.26 | |
| **MW-4** | 10/05/23 | 3430.36 | 71.90 | 61.18 | 61.40 | 0.22 | NA | 2.00 | 8.00 | 3369.15 | |
| **MW-4** | 10/18/23 | 3430.36 | 71.90 | 61.15 | 61.29 | 0.14 | NA | NA | NA | 3369.19 | |
| **MW-4** | 11/02/23 | 3430.36 | 71.90 | 61.18 | 61.35 | 0.17 | NA | 0.50 | 9.50 | 3369.15 | |
| | | | | | | | | | | | |
| **MW-5** | 03/09/18 | 3428.93 | 72.28 | ND | 57.73 | ND | NA | NA | NA | 3371.20 | Sampled |
| **MW-5** | 06/07/18 | 3428.93 | 72.28 | ND | 57.88 | ND | NA | NA | NA | 3371.05 | Sampled |
| **MW-5** | 11/30/18 | 3428.93 | 72.28 | ND | 58.12 | ND | NA | NA | NA | 3370.81 | Sampled |
| **MW-5** | 02/14/19 | 3428.93 | 72.28 | ND | 58.11 | ND | NA | NA | NA | 3370.82 | Sampled |
| **MW-5** | 05/14/19 | 3428.93 | 72.28 | ND | 58.20 | ND | NA | NA | NA | 3370.73 | Sampled |
| **MW-5** | 08/27/19 | 3428.93 | 72.28 | ND | 58.49 | ND | NA | NA | NA | 3370.44 | Sampled |
| **MW-5** | 11/19/19 | 3428.93 | 72.28 | ND | 58.35 | ND | NA | NA | NA | 3370.58 | Sampled |
| **MW-5** | 03/17/20 | 3428.93 | 72.28 | ND | 58.38 | ND | NA | NA | NA | 3370.55 | Sampled |
| **MW-5** | 06/18/20 | 3428.93 | 72.28 | ND | 58.48 | ND | NA | NA | NA | 3370.45 | Sampled |
| **MW-5** | 09/17/20 | 3428.93 | 72.28 | ND | 58.60 | ND | NA | NA | NA | 3370.33 | Sampled |
| **MW-5** | 12/11/20 | 3428.93 | 72.28 | ND | 58.62 | ND | NA | NA | NA | 3370.31 | Sampled |
| **MW-5** | 03/17/21 | 3428.93 | 72.28 | ND | 58.65 | ND | NA | NA | NA | 3370.28 | Sampled |
| **MW-5** | 06/22/21 | 3428.93 | 72.28 | ND | 58.80 | ND | NA | NA | NA | 3370.13 | Sampled |
| **MW-5** | 09/28/21 | 3428.93 | 72.28 | ND | 58.97 | ND | NA | NA | NA | 3369.96 | Sampled |
| **MW-5** | 12/09/21 | 3428.93 | 72.28 | ND | 59.11 | ND | NA | NA | NA | 3369.82 | Sampled |
| **MW-5** | 03/17/22 | 3428.93 | 72.28 | ND | 59.10 | ND | NA | NA | NA | 3369.83 | Sampled |
| **MW-5** | 06/28/22 | 3428.93 | 72.28 | ND | 59.30 | ND | NA | NA | NA | 3369.63 | Sampled |
| **MW-5** | 09/14/22 | 3428.93 | 72.28 | ND | 59.39 | ND | NA | NA | NA | 3369.54 | Sampled |
| **MW-5** | 11/10/22 | 3428.93 | 72.28 | ND | 59.40 | ND | NA | NA | NA | 3369.53 | Sampled |
| | | | | | | | | | | | |
| **MW-6** | 03/09/18 | 3429.24 | 71.58 | ND | 57.88 | ND | NA | NA | NA | 3371.36 | Sampled |
| **MW-6** | 06/07/18 | 3429.24 | 71.58 | ND | 58.06 | ND | NA | NA | NA | 3371.18 | Sampled |
| **MW-6** | 11/30/18 | 3429.24 | 71.58 | ND | 58.30 | ND | NA | NA | NA | 3370.94 | Sampled |
| **MW-6** | 02/14/19 | 3429.24 | 71.58 | ND | 58.26 | ND | NA | NA | NA | 3370.98 | Sampled |
| **MW-6** | 05/14/19 | 3429.24 | 71.58 | ND | 58.34 | ND | NA | NA | NA | 3370.90 | Sampled |
| **MW-6** | 08/27/19 | 3429.24 | 71.58 | ND | 58.63 | ND | NA | NA | NA | 3370.61 | Sampled |
| **MW-6** | 11/19/19 | 3429.24 | 71.58 | ND | 58.51 | ND | NA | NA | NA | 3370.73 | Sampled |
| **MW-6** | 03/17/20 | 3429.24 | 71.58 | ND | 58.35 | ND | NA | NA | NA | 3370.89 | Sampled |
| **MW-6** | 06/18/20 | 3429.24 | 71.58 | ND | 58.64 | ND | NA | NA | NA | 3370.60 | Sampled |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| **MW-6** | 09/17/20 | 3429.24 | 71.58 | ND | 58.76 | ND | NA | NA | NA | 3370.48 | Sampled |
| **MW-6** | 12/11/20 | 3429.24 | 71.58 | ND | 58.84 | ND | NA | NA | NA | 3370.40 | Sampled |
| **MW-6** | 03/17/21 | 3429.24 | 71.58 | ND | 58.82 | ND | NA | NA | NA | 3370.42 | Sampled |
| **MW-6** | 06/22/21 | 3429.24 | 71.58 | ND | 58.96 | ND | NA | NA | NA | 3370.28 | Sampled |
| **MW-6** | 09/28/21 | 3429.24 | 71.58 | ND | 59.12 | ND | NA | NA | NA | 3370.12 | Sampled |
| **MW-6** | 12/09/21 | 3429.24 | 71.58 | ND | 59.25 | ND | NA | NA | NA | 3369.99 | Sampled |
| **MW-6** | 03/17/22 | 3429.24 | 71.58 | ND | 59.25 | ND | NA | NA | NA | 3369.99 | Sampled |
| **MW-6** | 06/28/22 | 3429.24 | 71.58 | ND | 59.46 | ND | NA | NA | NA | 3369.78 | Sampled |
| **MW-6** | 08/17/22 | 3429.24 | 71.58 | ND | 59.50 | ND | NA | NA | NA | 3369.74 | Sampled |
| **MW-6** | 09/14/22 | 3429.24 | 71.58 | ND | 59.55 | ND | NA | NA | NA | 3369.69 | Sampled |
| **MW-6** | 11/10/22 | 3429.24 | 71.58 | ND | 59.59 | ND | NA | NA | NA | 3369.65 | Sampled |
| | | | | | | | | | | | |
| **MW-7** | 03/09/18 | 3429.8 | 71.81 | ND | 58.88 | ND | NA | NA | NA | 3370.92 | Sampled |
| **MW-7** | 06/07/18 | 3429.8 | 71.81 | ND | 59.03 | ND | NA | NA | NA | 3370.77 | Sampled |
| **MW-7** | 11/30/18 | 3429.8 | 71.81 | ND | 59.32 | ND | NA | NA | NA | 3370.48 | Sampled |
| **MW-7** | 02/14/19 | 3429.8 | 71.81 | ND | 59.22 | ND | NA | NA | NA | 3370.58 | Sampled |
| **MW-7** | 05/14/19 | 3429.8 | 71.81 | ND | 59.30 | ND | NA | NA | NA | 3370.50 | Sampled |
| **MW-7** | 08/27/19 | 3429.8 | 71.81 | ND | 59.65 | ND | NA | NA | NA | 3370.15 | Sampled |
| **MW-7** | 11/19/19 | 3429.8 | 71.81 | ND | 59.46 | ND | NA | NA | NA | 3370.34 | Sampled |
| **MW-7** | 03/17/20 | 3429.8 | 71.81 | ND | 59.51 | ND | NA | NA | NA | 3370.29 | Sampled |
| **MW-7** | 06/18/20 | 3429.8 | 71.81 | ND | 59.60 | ND | NA | NA | NA | 3370.20 | Sampled |
| **MW-7** | 09/17/20 | 3429.8 | 71.81 | ND | 59.75 | ND | NA | NA | NA | 3370.05 | Sampled |
| **MW-7** | 12/11/20 | 3429.8 | 71.81 | ND | 59.78 | ND | NA | NA | NA | 3370.02 | Sampled |
| **MW-7** | 03/17/21 | 3429.8 | 71.81 | ND | 59.81 | ND | NA | NA | NA | 3369.99 | Sampled |
| **MW-7** | 06/22/21 | 3429.8 | 71.81 | ND | 59.95 | ND | NA | NA | NA | 3369.85 | Sampled |
| **MW-7** | 09/28/21 | 3429.8 | 71.81 | ND | 60.13 | ND | NA | NA | NA | 3369.67 | Sampled |
| **MW-7** | 12/09/21 | 3429.8 | 71.81 | ND | 60.24 | ND | NA | NA | NA | 3369.56 | Sampled |
| **MW-7** | 03/17/22 | 3429.8 | 71.81 | ND | 60.25 | ND | NA | NA | NA | 3369.55 | Sampled |
| **MW-7** | 06/28/22 | 3429.8 | 71.81 | ND | 60.42 | ND | NA | NA | NA | 3369.38 | Sampled |
| **MW-7** | 08/17/22 | 3429.8 | 70.51 | ND | 60.49 | ND | NA | NA | NA | 3369.31 | Sampled |
| **MW-7** | 09/14/22 | 3429.8 | 70.51 | ND | 60.54 | ND | NA | NA | NA | 3369.26 | Sampled |
| **MW-7** | 11/10/22 | 3429.8 | 70.51 | ND | 60.58 | ND | NA | NA | NA | 3369.22 | Sampled |
| | | | | | | | | | | | |
| **MW-8** | 01/03/18 | 3430.21 | 64.46 | 59.00 | 59.10 | 0.10 | NA | SHEEN | 10.00 | 3371.20 | DRY |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-8 | 01/10/18 | 3430.21 | 64.46 | 58.94 | 59.02 | 0.08 | NA | SHEEN | 10.00 | 3371.26 | DRY |
| MW-8 | 01/18/18 | 3430.21 | 64.46 | 58.97 | 59.04 | 0.07 | NA | SHEEN | 10.00 | 3371.23 | DRY |
| MW-8 | 01/26/18 | 3430.21 | 64.46 | 58.95 | 59.03 | 0.08 | NA | 1.00 | 9.00 | 3371.25 | DRY |
| MW-8 | 02/01/18 | 3430.21 | 64.46 | 58.64 | 58.69 | 0.05 | NA | SHEEN | 10.00 | 3371.56 | DRY |
| MW-8 | 02/08/18 | 3430.21 | 64.46 | 58.92 | 58.94 | 0.02 | NA | SHEEN | 10.00 | 3371.29 | DRY |
| MW-8 | 02/14/18 | 3430.21 | 64.46 | 58.92 | 58.98 | 0.06 | NA | SHEEN | 10.00 | 3371.28 | DRY |
| MW-8 | 02/21/18 | 3430.21 | 64.46 | 58.98 | 59.03 | 0.05 | NA | SHEEN | 10.00 | 3371.22 | DRY |
| MW-8 | 02/28/18 | 3430.21 | 64.46 | 58.93 | 59.05 | 0.12 | NA | SHEEN | 10.00 | 3371.26 | DRY |
| MW-8 | 03/09/18 | 3430.21 | 64.46 | 59.01 | 59.63 | 0.62 | NA | NA | NA | 3371.11 | Dry |
| MW-8 | 03/15/18 | 3430.21 | 64.46 | 59.01 | 59.10 | 0.09 | NA | SHEEN | 7.00 | 3371.19 | Dry |
| MW-8 | 03/22/18 | 3430.21 | 64.46 | 59.02 | 59.05 | 0.03 | NA | SHEEN | 10.00 | 3371.19 | Dry |
| MW-8 | 03/28/18 | 3430.21 | 64.46 | 59.04 | 59.06 | 0.02 | NA | SHEEN | 10.00 | 3371.17 | Dry |
| MW-8 | 04/03/18 | 3430.21 | 64.46 | 59.04 | 59.11 | 0.07 | NA | SHEEN | 10.00 | 3371.16 | Dry |
| MW-8 | 04/10/18 | 3430.21 | 64.46 | 59.08 | 59.12 | 0.04 | NA | SHEEN | 10.00 | 3371.12 | Dry |
| MW-8 | 04/19/18 | 3430.21 | 64.46 | 59.12 | 59.15 | 0.03 | NA | SHEEN | 10.00 | 3371.09 | Dry |
| MW-8 | 04/25/18 | 3430.21 | 64.46 | 59.10 | 59.13 | 0.03 | NA | SHEEN | 10.00 | 3371.11 | Dry |
| MW-8 | 05/02/18 | 3430.21 | 64.46 | 59.06 | 59.16 | 0.10 | NA | NA | 10.00 | 3371.14 | Dry |
| MW-8 | 05/10/18 | 3430.21 | 64.46 | 59.02 | 59.05 | 0.03 | NA | NA | 10.00 | 3371.19 | Dry |
| MW-8 | 05/15/18 | 3430.21 | 64.46 | 59.08 | 59.15 | 0.07 | NA | SHEEN | 10.00 | 3371.12 | Dry |
| MW-8 | 05/23/18 | 3430.21 | 64.46 | 59.21 | 59.22 | 0.01 | NA | NA | 10.00 | 3371.00 | Dry |
| MW-8 | 06/07/18 | 3430.21 | 64.46 | 59.18 | 59.20 | 0.02 | NA | NA | NA | 3371.03 | Sampled |
| MW-8 | 06/13/18 | 3430.21 | 64.46 | 59.21 | 59.23 | 0.02 | NA | SHEEN | 10.00 | 3371.00 | Dry |
| MW-8 | 06/20/18 | 3430.21 | 64.46 | 59.22 | 59.23 | 0.01 | NA | SHEEN | 10.00 | 3370.99 | Dry |
| MW-8 | 07/03/18 | 3430.21 | 64.46 | 59.21 | 59.23 | 0.02 | NA | NA | NA | 3371.00 | Dry |
| MW-8 | 07/05/18 | 3430.21 | 64.46 | 59.25 | 59.27 | 0.02 | NA | 0.50 | 9.50 | 3370.96 | Dry |
| MW-8 | 07/12/18 | 3430.21 | 64.46 | 59.27 | 59.28 | 0.01 | NA | SHEEN | 10.00 | 3370.94 | Dry |
| MW-8 | 07/20/18 | 3430.21 | 64.46 | 59.25 | 59.35 | 0.10 | NA | SHEEN | 10.00 | 3370.95 | Dry |
| MW-8 | 08/01/18 | 3430.21 | 64.46 | 59.26 | 59.34 | 0.08 | NA | 0.25 | 9.75 | 3370.94 | Dry |
| MW-8 | 08/08/18 | 3430.21 | 64.46 | 59.25 | 59.32 | 0.07 | NA | SHEEN | 10.00 | 3370.95 | Dry |
| MW-8 | 08/21/18 | 3430.21 | 64.46 | 59.23 | 59.31 | 0.08 | NA | SHEEN | 10.00 | 3370.97 | Dry |
| MW-8 | 08/30/18 | 3430.21 | 64.46 | 59.26 | 59.29 | 0.03 | NA | SHEEN | 10.00 | 3370.95 | Dry |
| MW-8 | 09/12/18 | 3430.21 | 64.46 | 59.31 | 59.33 | 0.02 | NA | SHEEN | 10.00 | 3370.90 | Dry |
| MW-8 | 09/26/18 | 3430.21 | 64.46 | 59.33 | 59.35 | 0.02 | NA | SHEEN | 10.00 | 3370.88 | Dry |
| MW-8 | 10/04/18 | 3430.21 | 64.46 | 59.32 | 59.35 | 0.03 | NA | SHEEN | 10.00 | 3370.89 | Dry |

TABLE 2
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Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-8 | 10/11/18 | 3430.21 | 64.46 | 59.35 | 59.39 | 0.04 | NA | NA | 10.00 | 3370.85 | Dry |
| MW-8 | 10/17/18 | 3430.21 | 64.46 | 59.11 | 59.13 | 0.02 | NA | SHEEN | 10.00 | 3371.10 | Dry |
| MW-8 | 10/24/18 | 3430.21 | 64.46 | 59.08 | 59.09 | 0.01 | NA | SHEEN | 10.00 | 3371.13 | Dry |
| MW-8 | 11/01/18 | 3430.21 | 64.46 | SHEEN | 59.20 | SHEEN | NA | SHEEN | 10.00 | 3371.01 | Dry |
| MW-8 | 11/07/18 | 3430.21 | 64.46 | SHEEN | 59.32 | SHEEN | NA | SHEEN | 10.00 | 3370.89 | Dry |
| MW-8 | 11/13/18 | 3430.21 | 64.46 | 59.35 | 59.37 | 0.02 | NA | SHEEN | 10.00 | 3370.86 | Dry |
| MW-8 | 11/21/18 | 3430.21 | 64.46 | 59.38 | 59.39 | 0.01 | NA | SHEEN | 10.00 | 3370.83 | Dry |
| MW-8 | 11/30/18 | 3430.21 | 64.46 | SHEEN | 59.39 | SHEEN | NA | SHEEN | 10.00 | 3370.82 | Dry |
| MW-8 | 12/07/18 | 3430.21 | 64.46 | 59.42 | 59.43 | 0.01 | NA | SHEEN | 10.00 | 3370.79 | Dry |
| MW-8 | 12/13/18 | 3430.21 | 64.46 | SHEEN | 59.43 | SHEEN | NA | SHEEN | 10.00 | 3370.78 | Dry |
| MW-8 | 12/19/18 | 3430.21 | 64.46 | SHEEN | 59.41 | SHEEN | NA | NA | 10.00 | 3370.80 | Dry |
| MW-8 | 01/03/19 | 3430.21 | 64.46 | ND | 59.50 | ND | NA | SHEEN | 10.00 | 3370.71 | Dry |
| MW-8 | 01/09/19 | 3430.21 | 64.46 | ND | 59.52 | ND | NA | SHEEN | 10.00 | 3370.69 | Dry |
| MW-8 | 01/18/19 | 3430.21 | 64.46 | 59.35 | 59.40 | 0.05 | NA | 0.25 | 9.75 | 3370.85 | Dry |
| MW-8 | 01/23/19 | 3430.21 | 64.46 | 59.36 | 59.45 | 0.09 | NA | 0.25 | 9.75 | 3370.84 | Dry |
| MW-8 | 01/30/19 | 3430.21 | 64.46 | ND | 59.49 | ND | NA | NA | NA | 3370.72 | Dry |
| MW-8 | 02/06/19 | 3430.21 | 64.46 | ND | 59.35 | ND | NA | NA | NA | 3370.86 | Dry |
| MW-8 | 02/14/19 | 3430.21 | 64.46 | 59.36 | 59.38 | 0.02 | NA | NA | NA | 3370.85 | Dry |
| MW-8 | 02/22/19 | 3430.21 | 64.46 | 59.30 | 59.39 | 0.09 | NA | SHEEN | 10.00 | 3370.90 | Dry |
| MW-8 | 02/28/19 | 3430.21 | 64.46 | SHEEN | 59.39 | SHEEN | NA | NA | NA | 3370.82 | Dry |
| MW-8 | 03/06/19 | 3430.21 | 64.46 | SHEEN | 59.40 | SHEEN | NA | NA | NA | 3370.81 | Dry |
| MW-8 | 03/12/19 | 3430.21 | 64.46 | SHEEN | 59.40 | SHEEN | NA | NA | NA | 3370.81 | Dry |
| MW-8 | 03/22/19 | 3430.21 | 64.46 | SHEEN | 59.38 | SHEEN | NA | NA | NA | 3370.83 | Dry |
| MW-8 | 03/28/19 | 3430.21 | 64.46 | 59.39 | 59.40 | 0.01 | NA | SHEEN | 10.00 | 3370.82 | Dry |
| MW-8 | 04/03/19 | 3430.21 | 64.46 | 59.55 | 59.69 | 0.14 | NA | SHEEN | 10.00 | 3370.64 | Dry |
| MW-8 | 04/11/19 | 3430.21 | 64.46 | 59.36 | 59.40 | 0.04 | NA | SHEEN | 10.00 | 3370.84 | Dry |
| MW-8 | 04/16/19 | 3430.21 | 64.46 | 59.39 | 59.42 | 0.03 | NA | SHEEN | 10.00 | 3370.82 | Dry |
| MW-8 | 04/25/19 | 3430.21 | 64.46 | 59.40 | 59.42 | 0.02 | NA | SHEEN | 10.00 | 3370.81 | Dry |
| MW-8 | 05/01/19 | 3430.21 | 64.46 | SHEEN | 59.29 | SHEEN | NA | NA | NA | 3370.92 | Dry |
| MW-8 | 05/14/19 | 3430.21 | 64.46 | 59.44 | 59.51 | 0.07 | NA | NA | NA | 3370.76 | Sampled |
| MW-8 | 05/24/19 | 3430.21 | 64.46 | 59.47 | 59.50 | 0.03 | NA | SHEEN | 10.00 | 3370.74 | Dry |
| MW-8 | 06/05/19 | 3430.21 | 64.46 | 59.51 | 59.56 | 0.05 | NA | SHEEN | 10.00 | 3370.69 | Dry |
| MW-8 | 06/14/19 | 3430.21 | 64.46 | 59.52 | 59.70 | 0.18 | NA | 0.25 | 9.75 | 3370.66 | Dry |
| MW-8 | 06/20/19 | 3430.21 | 64.46 | 59.54 | 59.60 | 0.06 | NA | SHEEN | 10.00 | 3370.66 | Dry |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-8 | 06/26/19 | 3430.21 | 64.46 | 59.58 | 59.70 | 0.12 | NA | SHEEN | 10.00 | 3370.61 | Dry |
| MW-8 | 07/03/19 | 3430.21 | 64.46 | 59.60 | 59.62 | 0.02 | NA | NA | 10.00 | 3370.61 | Dry |
| MW-8 | 07/11/19 | 3430.21 | 64.46 | 59.63 | 59.65 | 0.02 | NA | SHEEN | 10.00 | 3370.58 | Dry |
| MW-8 | 07/26/19 | 3430.21 | 64.46 | 59.74 | 59.85 | 0.11 | NA | SHEEN | 10.00 | 3370.45 | Dry |
| MW-8 | 08/10/19 | 3430.21 | 64.46 | 59.73 | 59.86 | 0.13 | NA | SHEEN | 10.00 | 3370.46 | Dry |
| MW-8 | 08/15/19 | 3430.21 | 64.46 | 59.72 | 59.76 | 0.04 | NA | SHEEN | 10.00 | 3370.48 | Dry |
| MW-8 | 08/27/19 | 3430.21 | 64.46 | 59.77 | 59.84 | 0.07 | NA | SHEEN | 10.00 | 3370.43 | Dry |
| MW-8 | 09/06/19 | 3430.21 | 64.46 | 59.72 | 59.74 | 0.02 | NA | SHEEN | 10.00 | 3370.49 | Dry |
| MW-8 | 09/13/19 | 3430.21 | 64.46 | 59.70 | 59.74 | 0.04 | NA | SHEEN | 10.00 | 3370.50 | Dry |
| MW-8 | 09/20/19 | 3430.21 | 64.46 | 59.80 | 59.83 | 0.03 | NA | SHEEN | 10.00 | 3370.41 | Dry |
| MW-8 | 10/09/19 | 3430.21 | 64.46 | 59.80 | 59.83 | 0.03 | NA | SHEEN | 10.00 | 3370.41 | Dry |
| MW-8 | 10/17/19 | 3430.21 | 59.75 | 59.82 | 59.85 | 0.03 | NA | 0.25 | 9.75 | 3370.39 | Dry |
| MW-8 | 10/24/19 | 3430.21 | 64.46 | 59.76 | 59.79 | 0.03 | NA | 1.00 | 9.00 | 3370.45 | Dry |
| MW-8 | 11/01/19 | 3430.21 | 64.46 | 59.58 | 59.62 | 0.04 | NA | 0.25 | 9.75 | 3370.62 | Dry |
| MW-8 | 11/08/19 | 3430.21 | 64.46 | 59.65 | 59.68 | 0.03 | NA | 0.25 | 9.75 | 3370.56 | Dry |
| MW-8 | 11/15/19 | 3430.21 | 64.46 | 59.65 | 59.68 | 0.03 | NA | SHEEN | 10.00 | 3370.56 | Dry |
| MW-8 | 11/19/19 | 3430.21 | 64.46 | 59.60 | 59.66 | 0.06 | NA | SHEEN | 10.00 | 3370.60 | Dry |
| MW-8 | 11/26/19 | 3430.21 | 64.46 | 59.62 | 59.72 | 0.10 | NA | SHEEN | 10.00 | 3370.58 | Dry |
| MW-8 | 12/04/19 | 3430.21 | 64.46 | 59.74 | 59.85 | 0.11 | NA | 0.25 | 9.75 | 3370.45 | Dry |
| MW-8 | 12/13/19 | 3430.21 | 64.46 | 59.65 | 59.68 | 0.03 | NA | SHEEN | 10.00 | 3370.56 | Dry |
| MW-8 | 12/20/19 | 3430.21 | 64.46 | 59.62 | 59.69 | 0.07 | NA | SHEEN | 10.00 | 3370.58 | Dry |
| MW-8 | 12/27/19 | 3430.21 | 64.46 | 59.62 | 59.70 | 0.08 | NA | SHEEN | 10.00 | 3370.58 | Dry |
| MW-8 | 01/03/20 | 3430.21 | 64.46 | 59.65 | 59.68 | 0.03 | NA | SHEEN | 10.00 | 3370.56 | Dry |
| MW-8 | 01/09/20 | 3430.21 | 64.46 | 59.62 | 59.68 | 0.06 | NA | SHEEN | 10.00 | 3370.58 | Dry |
| MW-8 | 01/15/20 | 3430.21 | 64.46 | 59.52 | 59.60 | 0.08 | NA | SHEEN | 10.00 | 3370.68 | Dry |
| MW-8 | 01/30/20 | 3430.21 | 64.46 | 59.64 | 59.72 | 0.08 | NA | SHEEN | 10.00 | 3370.56 | Dry |
| MW-8 | 02/12/20 | 3430.21 | 59.75 | 59.64 | 59.75 | 0.11 | NA | SHEEN | 10.00 | 3370.55 | Dry |
| MW-8 | 02/27/20 | 3430.21 | 64.46 | 59.66 | 59.82 | 0.16 | NA | 0.25 | 9.75 | 3370.53 | Dry |
| MW-8 | 03/04/20 | 3430.21 | 64.46 | 59.65 | 59.73 | 0.08 | NA | SHEEN | 10.00 | 3370.55 | Dry |
| MW-8 | 03/12/20 | 3430.21 | 64.46 | 59.66 | 59.70 | 0.04 | NA | 0.25 | 9.75 | 3370.54 | Dry |
| MW-8 | 03/17/20 | 3430.21 | 64.46 | 59.69 | 59.74 | 0.05 | NA | SHEEN | 10.00 | 3370.51 | Dry |
| MW-8 | 03/23/20 | 3430.21 | 64.46 | 59.67 | 59.72 | 0.05 | NA | SHEEN | 10.00 | 3370.53 | Dry |
| MW-8 | 05/07/20 | 3430.21 | 64.46 | 59.50 | 59.86 | 0.36 | NA | SHEEN | 10.00 | 3370.66 | Dry |
| MW-8 | 05/29/20 | 3430.21 | 64.46 | 59.47 | 59.60 | 0.13 | NA | 0.25 | 9.75 | 3370.72 | Dry |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-8 | 06/12/20 | 3430.21 | 64.46 | 59.50 | 59.64 | 0.14 | NA | SHEEN | 10.00 | 3370.69 | Dry |
| MW-8 | 06/18/20 | 3430.21 | 64.46 | 59.70 | 60.10 | 0.40 | NA | 1.00 | 9.00 | 3370.45 | Dry |
| MW-8 | 07/21/20 | 3430.21 | 64.46 | 59.72 | 60.15 | 0.43 | NA | 1.00 | 9.00 | 3370.43 | Dry |
| MW-8 | 08/05/20 | 3430.21 | 64.46 | 59.55 | 59.62 | 0.07 | NA | 0.25 | 9.75 | 3370.65 | Dry |
| MW-8 | 09/17/20 | 3430.21 | 64.46 | 59.80 | 60.24 | 0.44 | NA | 3.00 | 7.00 | 3370.34 | dry |
| MW-8 | 09/24/20 | 3430.21 | 64.46 | 59.80 | 60.35 | 0.55 | NA | 3.00 | 7.00 | 3370.33 | Dry |
| MW-8 | 10/14/20 | 3430.21 | 64.46 | 59.88 | 60.04 | 0.16 | NA | SHEEN | 10.00 | 3370.31 | Dry |
| MW-8 | 10/30/20 | 3430.21 | 64.46 | 59.82 | 59.92 | 0.10 | NA | SHEEN | 10.00 | 3370.38 | Dry |
| MW-8 | 11/11/20 | 3430.21 | 64.46 | 59.80 | 59.88 | 0.08 | NA | SHEEN | 10.00 | 3370.40 | Dry |
| MW-8 | 11/25/20 | 3430.21 | 64.46 | 59.90 | 60.13 | 0.23 | NA | 1.00 | 9.00 | 3370.28 | Dry |
| MW-8 | 12/11/20 | 3430.21 | 64.46 | 59.88 | 60.18 | 0.30 | NA | 1.00 | 9.00 | 3370.29 | Dry |
| MW-8 | 12/22/20 | 3430.21 | 64.46 | 59.85 | 60.20 | 0.35 | NA | 1.00 | 9.00 | 3370.31 | Dry |
| MW-8 | 01/06/21 | 3430.21 | 64.46 | 59.93 | 60.33 | 0.40 | NA | 0.50 | 4.50 | 3370.22 | Dry |
| MW-8 | 01/19/21 | 3430.21 | 64.46 | 59.95 | 60.20 | 0.25 | NA | 1.00 | 9.00 | 3370.22 | dry |
| MW-8 | 02/03/21 | 3430.21 | 64.46 | 59.96 | 60.10 | 0.14 | NA | 0.25 | 9.75 | 3370.23 | Dry |
| MW-8 | 02/25/21 | 3430.21 | 64.46 | 59.90 | 60.16 | 0.26 | NA | 0.25 | 9.75 | 3370.27 | Dry |
| MW-8 | 03/03/21 | 3430.21 | 64.46 | 59.84 | 60.21 | 0.37 | NA | 2.00 | 6.00 | 3370.31 | Dry |
| MW-8 | 03/17/21 | 3430.21 | 64.46 | 59.95 | 60.05 | 0.10 | NA | SHEEN | 10.00 | 3370.25 | Dry |
| MW-8 | 03/31/21 | 3430.21 | 64.46 | 59.98 | 60.06 | 0.08 | NA | SHEEN | 10.00 | 3370.22 | Dry |
| MW-8 | 04/15/21 | 3430.21 | 64.46 | 60.02 | 60.23 | 0.21 | NA | 0.25 | 9.75 | 3370.16 | Dry |
| MW-8 | 04/28/21 | 3430.21 | 64.46 | 59.96 | 60.30 | 0.34 | NA | 0.50 | 9.50 | 3370.20 | Dry |
| MW-8 | 05/21/21 | 3430.21 | 64.46 | 59.99 | 60.09 | 0.10 | NA | SHEEN | 10.00 | 3370.21 | Dry |
| MW-8 | 05/28/21 | 3430.21 | 64.46 | 59.78 | 60.24 | 0.46 | NA | 1.00 | 9.00 | 3370.36 | Dry |
| MW-8 | 06/11/21 | 3430.21 | 64.46 | 60.09 | 60.29 | 0.20 | NA | 0.75 | 14.25 | 3370.09 | Dry |
| MW-8 | 06/22/21 | 3430.21 | 64.46 | 60.05 | 60.30 | 0.25 | NA | 1.00 | 9.00 | 3370.12 | Dry |
| MW-8 | 07/09/21 | 3430.21 | 64.46 | 59.72 | 60.18 | 0.46 | NA | 1.00 | 9.00 | 3370.42 | Dry |
| MW-8 | 07/23/21 | 3430.21 | 64.46 | 59.79 | 60.21 | 0.42 | NA | 1.00 | 9.00 | 3370.36 | Dry |
| MW-8 | 08/13/21 | 3430.21 | 64.46 | 60.08 | 60.90 | 0.82 | NA | 3.00 | 7.00 | 3370.01 | Dry |
| MW-8 | 08/26/21 | 3430.21 | 64.46 | 60.20 | 60.28 | 0.08 | NA | 2.00 | 8.00 | 3370.00 | Dry |
| MW-8 | 09/09/21 | 3430.21 | 64.46 | 60.27 | 60.30 | 0.03 | NA | SHEEN | 10.00 | 3369.94 | Dry |
| MW-8 | 09/17/21 | 3430.21 | 64.46 | 60.18 | 60.29 | 0.11 | NA | 1.00 | 9.00 | 3370.01 | Dry |
| MW-8 | 09/28/21 | 3430.21 | 64.46 | 60.23 | 60.27 | 0.04 | NA | SHEEN | 10.00 | 3369.97 | Dry |
| MW-8 | 10/13/21 | 3430.21 | 64.46 | 60.25 | 60.35 | 0.10 | NA | 1.00 | 9.00 | 3369.95 | Dry |
| MW-8 | 10/22/21 | 3430.21 | 64.46 | 60.18 | 60.29 | 0.11 | NA | SHEEN | 10.00 | 3370.01 | Dry |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-8 | 10/03/21 | 3430.21 | 64.46 | 60.23 | 60.27 | 0.04 | NA | SHEEN | 10.00 | 3369.97 | Dry |
| MW-8 | 11/18/21 | 3430.21 | 64.46 | 60.12 | 60.28 | 0.16 | NA | SHEEN | 10.00 | 3370.07 | Dry |
| MW-8 | 12/03/21 | 3430.21 | 64.46 | 60.36 | 60.46 | 0.10 | NA | SHEEN | 10.00 | 3369.84 | Dry |
| MW-8 | 12/09/21 | 3430.21 | 64.46 | 60.38 | 60.45 | 0.07 | NA | SHEEN | 10.00 | 3369.82 | Dry |
| MW-8 | 12/30/21 | 3430.21 | 64.46 | 60.21 | 60.31 | 0.10 | NA | SHEEN | 10.00 | 3369.99 | Dry |
| MW-8 | 01/12/22 | 3430.21 | 64.46 | 60.32 | 60.41 | 0.09 | NA | SHEEN | 10.00 | 3369.88 | Dry |
| MW-8 | 01/28/22 | 3430.21 | 64.46 | 60.34 | 60.50 | 0.16 | NA | SHEEN | 10.00 | 3369.85 | Dry |
| MW-8 | 02/09/22 | 3430.21 | 64.46 | 60.31 | 60.58 | 0.27 | NA | 1.00 | 9.00 | 3369.86 | Dry |
| MW-8 | 02/24/22 | 3430.21 | 64.46 | 60.28 | 60.72 | 0.44 | NA | 1.50 | 8.50 | 3369.86 | Dry |
| MW-8 | 03/10/22 | 3430.21 | 64.46 | 60.32 | 60.76 | 0.44 | NA | 1.00 | 9.00 | 3369.82 | Dry |
| MW-8 | 03/17/22 | 3430.21 | 64.46 | 60.32 | 60.91 | 0.59 | NA | 1.00 | 9.00 | 3369.80 | Dry |
| MW-8 | 03/25/22 | 3430.21 | 64.46 | 60.31 | 60.88 | 0.57 | NA | SHEEN | 10.00 | 3369.81 | Dry |
| MW-8 | 03/31/22 | 3430.21 | 64.46 | 60.25 | 61.17 | 0.92 | NA | 1.00 | 9.00 | 3369.82 | Dry |
| MW-8 | 04/07/22 | 3430.21 | 64.46 | 60.37 | 60.72 | 0.35 | NA | SHEEN | 10.00 | 3369.79 | Dry |
| MW-8 | 04/12/22 | 3430.21 | 64.46 | 60.38 | 60.74 | 0.36 | NA | 0.25 | 4.75 | 3369.78 | Dry |
| MW-8 | 05/04/22 | 3430.21 | 64.46 | 60.34 | 60.71 | 0.37 | NA | 1.50 | 4.00 | 3369.81 | Dry |
| MW-8 | 05/11/22 | 3430.21 | 64.46 | 60.40 | 60.90 | 0.50 | NA | 3.00 | 7.00 | 3369.74 | Dry |
| MW-8 | 05/24/22 | 3430.21 | 64.46 | 60.39 | 60.81 | 0.42 | NA | 2.00 | 8.00 | 3369.76 | Dry |
| MW-8 | 06/03/22 | 3430.21 | 64.46 | 60.45 | 61.02 | 0.57 | NA | 1.50 | 8.50 | 3369.67 | Dry |
| MW-8 | 06/17/22 | 3430.21 | 64.46 | 60.41 | 61.20 | 0.79 | NA | 0.50 | 9.50 | 3369.68 | Dry |
| MW-8 | 06/28/22 | 3430.21 | 64.46 | 60.48 | 61.00 | 0.52 | NA | SHEEN | 10.00 | 3369.65 | Dry |
| MW-8 | 07/06/22 | 3430.21 | 64.46 | 60.39 | 61.03 | 0.64 | NA | 1.00 | 9.00 | 3369.72 | Dry |
| MW-8 | 07/20/22 | 3430.21 | 64.46 | 60.47 | 61.11 | 0.64 | NA | 0.50 | 9.50 | 3369.64 | Dry |
| MW-8 | 09/02/22 | 3430.21 | 64.46 | 60.52 | 61.70 | 1.18 | NA | 0.50 | 9.50 | 3369.51 | Dry |
| MW-8 | 09/14/22 | 3430.21 | 64.46 | 60.55 | 61.21 | 0.66 | NA | SHEEN | 10.00 | 3369.56 | Dry |
| MW-8 | 09/30/22 | 3430.21 | 64.46 | 60.56 | 61.31 | 0.75 | NA | 0.50 | 9.50 | 3369.54 | Dry |
| MW-8 | 10/05/22 | 3430.21 | 64.46 | 60.63 | 61.18 | 0.55 | NA | 0.50 | 9.50 | 3369.50 | Dry |
| MW-8 | 10/18/22 | 3430.21 | 64.46 | 60.49 | 61.69 | 1.20 | NA | 1.00 | 9.00 | 3369.54 | Dry |
| MW-8 | 11/01/22 | 3430.21 | 64.46 | 60.70 | 61.41 | 0.71 | NA | SHEEN | 10.00 | 3369.40 | Dry |
| MW-8 | 11/10/22 | 3430.21 | 64.46 | 60.50 | 61.19 | 0.69 | NA | SHEEN | 10.00 | 3369.61 | Dry |
| MW-8 | 12/21/22 | 3430.21 | 64.46 | 60.49 | 61.87 | 1.38 | NA | 0.25 | 9.75 | 3369.51 | Dry |
| MW-8 | 01/05/23 | 3430.21 | 64.46 | 60.54 | 61.42 | 0.88 | NA | 1.00 | 9.00 | 3369.54 | Dry |
| MW-8 | 01/19/23 | 3430.21 | 64.46 | 60.67 | 61.32 | 0.65 | NA | 0.50 | 9.50 | 3369.44 | Dry |
| MW-8 | 02/10/23 | 3430.21 | 64.46 | 60.69 | 60.86 | 0.17 | NA | SHEEN | 10.00 | 3369.49 | Dry |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-8 | 03/16/23 | 3430.21 | 64.46 | 60.59 | 60.61 | 0.02 | NA | 0.25 | 9.00 | 3369.62 | Dry |
| MW-8 | 05/18/23 | 3430.21 | 64.46 | 60.60 | 62.40 | 1.80 | NA | 3.00 | 7.00 | 3369.34 | |
| MW-8 | 06/14/23 | 3430.21 | 64.46 | 60.68 | 61.80 | 1.12 | NA | 1.00 | 9.00 | 3369.36 | |
| MW-8 | 08/03/23 | 3430.21 | 64.46 | 60.58 | 61.62 | 1.04 | NA | 1.00 | 9.00 | 3369.47 | |
| MW-8 | 08/17/23 | 3430.21 | 64.46 | 60.65 | 62.30 | 1.65 | NA | 2.50 | 7.50 | 3369.31 | |
| MW-8 | 09/06/23 | 3430.21 | 64.46 | 60.58 | 62.27 | 1.69 | NA | 1.50 | 8.50 | 3369.38 | |
| MW-8 | 10/05/23 | 3430.21 | 64.46 | 60.85 | 62.30 | 1.45 | NA | 3.00 | 7.00 | 3369.14 | |
| MW-8 | 10/18/23 | 3430.21 | 64.46 | 60.64 | 62.31 | 1.67 | NA | NA | NA | 3369.32 | |
| MW-8 | 11/02/23 | 3430.21 | 64.46 | 60.69 | 62.35 | 1.66 | NA | 1.50 | 8.50 | 3369.27 | |
| | | | | | | | | | | | |
| MW-9 | 01/03/18 | 3429.88 | 67.52 | 59.13 | 59.33 | 0.20 | NA | 0.25 | 9.75 | 3370.72 | |
| MW-9 | 01/10/18 | 3429.88 | 67.52 | 58.62 | 58.80 | 0.18 | NA | 0.25 | 9.75 | 3371.23 | |
| MW-9 | 01/18/18 | 3429.88 | 67.52 | 58.64 | 58.83 | 0.19 | NA | 1 | 9 | 3371.21 | |
| MW-9 | 01/26/18 | 3429.88 | 67.52 | 58.60 | 58.78 | 0.18 | NA | 0.5 | 9.5 | 3371.25 | |
| MW-9 | 02/01/18 | 3429.88 | 67.52 | 58.61 | 58.79 | 0.18 | NA | 1 | 9 | 3371.24 | |
| MW-9 | 02/08/18 | 3429.88 | 67.52 | 58.58 | 58.80 | 0.22 | NA | 1 | 9 | 3371.27 | |
| MW-9 | 02/14/18 | 3429.88 | 67.52 | 58.59 | 58.76 | 0.17 | NA | 0.25 | 9.75 | 3371.26 | |
| MW-9 | 02/21/18 | 3429.88 | 67.52 | 58.62 | 58.80 | 0.18 | NA | 0.25 | 9.75 | 3371.23 | |
| MW-9 | 02/28/18 | 3429.88 | 67.52 | 58.58 | 58.92 | 0.34 | NA | SHEEN | 10 | 3371.25 | |
| MW-9 | 03/09/18 | 3429.88 | 67.52 | 58.70 | 58.82 | 0.12 | NA | NA | NA | 3371.16 | |
| MW-9 | 03/15/18 | 3429.88 | 67.52 | 58.67 | 58.94 | 0.27 | NA | 0.25 | 9.75 | 3371.17 | |
| MW-9 | 03/22/18 | 3429.88 | 67.52 | 58.80 | 58.91 | 0.11 | NA | NA | NA | 3371.06 | |
| MW-9 | 03/28/18 | 3429.88 | 67.52 | 58.70 | 58.85 | 0.15 | NA | 1 | 9 | 3371.16 | |
| MW-9 | 04/03/18 | 3429.88 | 67.52 | 58.70 | 58.86 | 0.16 | NA | SHEEN | 10 | 3371.16 | |
| MW-9 | 04/10/18 | 3429.88 | 67.52 | 58.74 | 58.88 | 0.14 | NA | SHEEN | 10 | 3371.12 | |
| MW-9 | 04/19/18 | 3429.88 | 67.52 | 58.79 | 58.92 | 0.13 | NA | SHEEN | 10 | 3371.07 | |
| MW-9 | 04/25/18 | 3429.88 | 67.52 | 58.80 | 58.90 | 0.10 | NA | SHEEN | 10 | 3371.07 | |
| MW-9 | 05/02/18 | 3429.88 | 67.52 | 58.71 | 59.03 | 0.32 | NA | SHEEN | 10 | 3371.12 | |
| MW-9 | 05/10/18 | 3429.88 | 67.52 | 58.70 | 58.90 | 0.20 | NA | SHEEN | 10 | 3371.15 | |
| MW-9 | 05/15/18 | 3429.88 | 67.52 | 58.73 | 58.89 | 0.16 | NA | SHEEN | 10 | 3371.13 | |
| MW-9 | 05/23/18 | 3429.88 | 67.52 | 58.75 | 58.86 | 0.11 | NA | SHEEN | 10 | 3371.11 | |
| MW-9 | 06/07/18 | 3429.88 | 67.52 | 58.83 | 59.05 | 0.22 | NA | NA | NA | 3371.02 | Sampled |
| MW-9 | 06/13/18 | 3429.88 | 67.52 | 58.87 | 59.00 | 0.13 | NA | SHEEN | 10 | 3370.99 | |
| MW-9 | 06/20/18 | 3429.88 | 67.52 | 58.88 | 58.98 | 0.10 | NA | SHEEN | 10 | 3370.99 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-9 | 06/28/18 | 3429.88 | 67.52 | 58.86 | 59.13 | 0.27 | NA | 0.5 | 9.5 | 3370.98 | |
| MW-9 | 07/05/18 | 3429.88 | 67.52 | 58.89 | 59.15 | 0.26 | NA | 0.5 | 9.5 | 3370.95 | |
| MW-9 | 07/12/18 | 3429.88 | 67.52 | 58.91 | 59.10 | 0.19 | NA | 0.25 | 9.75 | 3370.94 | |
| MW-9 | 07/20/18 | 3429.88 | 67.52 | 58.92 | 59.11 | 0.19 | NA | 0.25 | 9.75 | 3370.93 | |
| MW-9 | 08/01/18 | 3429.88 | 67.52 | 58.95 | 59.08 | 0.13 | NA | SHEEN | 10 | 3370.91 | |
| MW-9 | 08/08/18 | 3429.88 | 67.52 | 58.97 | 59.05 | 0.08 | NA | SHEEN | 10 | 3370.90 | |
| MW-9 | 08/21/18 | 3429.88 | 67.52 | 58.96 | 59.08 | 0.12 | NA | SHEEN | 10 | 3370.90 | |
| MW-9 | 08/30/18 | 3429.88 | 67.52 | 58.99 | 59.13 | 0.14 | NA | 0.25 | 9.75 | 3370.87 | |
| MW-9 | 09/12/18 | 3429.88 | 67.15 | 59.06 | 59.20 | 0.14 | NA | SHEEN | 10 | 3370.80 | |
| MW-9 | 09/26/18 | 3429.88 | 67.15 | 59.10 | 59.24 | 0.14 | NA | SHEEN | 10 | 3370.76 | |
| MW-9 | 10/04/18 | 3429.88 | 67.15 | 59.10 | 59.26 | 0.16 | NA | 0.25 | 9.75 | 3370.76 | |
| MW-9 | 10/11/18 | 3429.88 | 67.15 | 59.11 | 59.34 | 0.23 | NA | 0.25 | 9.75 | 3370.74 | |
| MW-9 | 10/17/18 | 3429.88 | 67.15 | 58.91 | 58.99 | 0.08 | NA | SHEEN | 10 | 3370.96 | |
| MW-9 | 10/24/18 | 3429.88 | 67.15 | 58.83 | 58.95 | 0.12 | NA | 0.25 | 9.75 | 3371.03 | |
| MW-9 | 11/01/18 | 3429.88 | 67.15 | 58.87 | 59.00 | 0.13 | NA | SHEEN | 10 | 3370.99 | |
| MW-9 | 11/07/18 | 3429.88 | 67.15 | 58.93 | 58.99 | 0.06 | NA | SHEEN | 10 | 3370.94 | |
| MW-9 | 11/13/18 | 3429.88 | 67.15 | 58.99 | 59.08 | 0.09 | NA | SHEEN | 10 | 3370.88 | |
| MW-9 | 11/21/18 | 3429.88 | 67.15 | 59.00 | 59.22 | 0.22 | NA | 0.25 | 9.75 | 3370.85 | |
| MW-9 | 11/30/18 | 3429.88 | 67.15 | 59.02 | 59.26 | 0.24 | NA | SHEEN | 10 | 3370.82 | |
| MW-9 | 12/07/18 | 3429.88 | 67.15 | 59.08 | 59.24 | 0.16 | NA | SHEEN | 10 | 3370.78 | |
| MW-9 | 12/13/18 | 3429.88 | 67.15 | 59.09 | 59.32 | 0.23 | NA | SHEEN | 10 | 3370.76 | |
| MW-9 | 12/19/18 | 3429.88 | 67.15 | 59.11 | 59.33 | 0.22 | NA | SHEEN | 10 | 3370.74 | |
| MW-9 | 01/03/19 | 3429.88 | 67.52 | 59.12 | 59.36 | 0.24 | NA | 0.25 | 9.75 | 3370.72 | |
| MW-9 | 01/09/19 | 3429.88 | 67.52 | 59.15 | 59.37 | 0.22 | NA | 0.25 | 9.75 | 3370.70 | |
| MW-9 | 01/18/19 | 3429.88 | 67.52 | 58.97 | 59.60 | 0.63 | NA | 0.25 | 9.75 | 3370.82 | |
| MW-9 | 01/23/19 | 3429.88 | 67.52 | 59.00 | 59.65 | 0.65 | NA | 1 | 9 | 3370.78 | |
| MW-9 | 01/30/19 | 3429.88 | 67.15 | 59.12 | 59.32 | 0.20 | NA | SHEEN | 10 | 3370.73 | |
| MW-9 | 02/06/19 | 3429.88 | 67.15 | 59.18 | 59.31 | 0.13 | NA | 0.25 | 9.75 | 3370.68 | |
| MW-9 | 02/14/19 | 3429.88 | 67.15 | 58.99 | 59.26 | 0.27 | NA | NA | NA | 3370.85 | |
| MW-9 | 02/22/19 | 3429.88 | 67.15 | 59.01 | 59.63 | 0.62 | NA | 0.5 | 9.5 | 3370.78 | |
| MW-9 | 02/28/19 | 3429.88 | 67.15 | 59.02 | 59.31 | 0.29 | NA | 0.25 | 9.75 | 3370.82 | |
| MW-9 | 03/06/19 | 3429.88 | 67.15 | 59.06 | 59.30 | 0.24 | NA | 0.25 | 9.75 | 3370.78 | |
| MW-9 | 03/12/19 | 3429.88 | 67.15 | 59.04 | 59.34 | 0.30 | NA | 0.25 | 9.75 | 3370.80 | |
| MW-9 | 03/22/19 | 3429.88 | 67.15 | 59.06 | 59.33 | 0.27 | NA | 0.25 | 9.75 | 3370.78 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-9 | 03/28/19 | 3429.88 | 67.15 | 59.08 | 59.33 | 0.25 | NA | 0.25 | 9.75 | 3370.76 | |
| MW-9 | 04/03/19 | 3429.88 | 67.15 | 59.06 | 59.28 | 0.22 | NA | 0.25 | 9.75 | 3370.79 | |
| MW-9 | 04/11/19 | 3429.88 | 67.15 | 58.99 | 59.26 | 0.27 | NA | 0.25 | 9.75 | 3370.85 | |
| MW-9 | 04/16/19 | 3429.88 | 67.15 | 59.05 | 59.24 | 0.19 | NA | 0.25 | 9.75 | 3370.80 | |
| MW-9 | 04/25/19 | 3429.88 | 67.15 | 59.09 | 59.25 | 0.16 | NA | 0.25 | 9.75 | 3370.77 | |
| MW-9 | 05/01/19 | 3429.88 | 67.15 | 58.95 | 59.20 | 0.25 | NA | SHEEN | 10 | 3370.89 | |
| MW-9 | 05/14/19 | 3429.88 | 67.15 | 59.12 | 59.25 | 0.13 | NA | NA | NA | 3370.74 | Sampled |
| MW-9 | 05/24/19 | 3429.88 | 67.15 | 59.16 | 59..25 | 59..25 | NA | SHEEN | 10 | 59..25 | |
| MW-9 | 06/05/19 | 3429.88 | 67.15 | 59.20 | 59.31 | 0.11 | NA | SHEEN | 10 | 3370.66 | |
| MW-9 | 06/14/19 | 3429.88 | 67.15 | 59.18 | 59.28 | 0.10 | NA | 0.25 | 9.75 | 3370.69 | |
| MW-9 | 06/20/19 | 3429.88 | 67.15 | 59.22 | 59.34 | 0.12 | NA | SHEEN | 10 | 3370.64 | |
| MW-9 | 06/26/19 | 3429.88 | 67.15 | 59.26 | 59.38 | 0.12 | NA | SHEEN | 10 | 3370.60 | |
| MW-9 | 07/03/19 | 3429.88 | 67.15 | 59.28 | 59.34 | 0.06 | NA | SHEEN | 10 | 3370.59 | |
| MW-9 | 07/11/19 | 3429.88 | 67.15 | 59.32 | 59.35 | 0.03 | NA | 0.25 | 9.75 | 3370.56 | |
| MW-9 | 07/26/19 | 3429.88 | 67.15 | 59.46 | 59.56 | 0.10 | NA | SHEEN | 10 | 3370.41 | |
| MW-9 | 08/10/19 | 3429.88 | 67.15 | 59.43 | 59.52 | 0.09 | NA | SHEEN | 10 | 3370.44 | |
| MW-9 | 08/15/19 | 3429.88 | 67.15 | 59.39 | 59.43 | 0.04 | NA | SHEEN | 10 | 3370.48 | |
| MW-9 | 08/27/19 | 3429.88 | 67.15 | 59.77 | 59.84 | 0.07 | NA | SHEEN | 10 | 3370.10 | |
| MW-9 | 09/06/19 | 3429.88 | 67.15 | 59.45 | 59.48 | 0.03 | NA | SHEEN | 10 | 3370.43 | |
| MW-9 | 09/13/19 | 3429.88 | 67.15 | 59.40 | 59.80 | 0.40 | NA | SHEEN | 10 | 3370.42 | |
| MW-9 | 09/20/19 | 3429.88 | 67.15 | 59.48 | 59.52 | 0.04 | NA | SHEEN | 10 | 3370.39 | |
| MW-9 | 10/09/19 | 3429.88 | 67.15 | 59.46 | 59.62 | 0.16 | NA | SHEEN | 10 | 3370.40 | |
| MW-9 | 10/17/19 | 3429.88 | 67.15 | 59.03 | 59.08 | 0.05 | NA | SHEEN | 10 | 3370.84 | |
| MW-9 | 10/24/19 | 3429.88 | 67.15 | 59.45 | 59.52 | 0.07 | NA | SHEEN | 10 | 3370.42 | |
| MW-9 | 11/01/19 | 3429.88 | 67.15 | 59.38 | 59.43 | 0.05 | NA | SHEEN | 10 | 3370.49 | |
| MW-9 | 11/08/19 | 3429.88 | 67.15 | 59.39 | 59.44 | 0.05 | NA | SHEEN | 10 | 3370.48 | |
| MW-9 | 11/15/19 | 3429.88 | 67.15 | 59.32 | 59.35 | 0.03 | NA | SHEEN | 10 | 3370.56 | |
| MW-9 | 11/19/19 | 3429.88 | 67.15 | 59.30 | 59.34 | 0.04 | NA | SHEEN | 10 | 3370.57 | |
| MW-9 | 11/26/19 | 3429.88 | 67.15 | 59.28 | 59.33 | 0.05 | NA | SHEEN | 10 | 3370.59 | |
| MW-9 | 12/04/19 | 3429.88 | 67.15 | 59.30 | 59.31 | 0.01 | NA | SHEEN | 10 | 3370.58 | |
| MW-9 | 12/13/19 | 3429.88 | 67.15 | 59.27 | 59.32 | 0.05 | NA | SHEEN | 10 | 3370.60 | |
| MW-9 | 12/20/19 | 3429.88 | 67.15 | 59.30 | 59.36 | 0.06 | NA | SHEEN | 10 | 3370.57 | |
| MW-9 | 12/27/19 | 3429.88 | 67.15 | 59.27 | 59.32 | 0.05 | NA | 0.25 | 9.75 | 3370.60 | |
| MW-9 | 01/03/20 | 3429.88 | 67.15 | 59.30 | 59.33 | 0.03 | NA | SHEEN | 10 | 3370.58 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-9 | 01/09/20 | 3429.88 | 67.15 | 59.31 | 59.35 | 0.04 | NA | SHEEN | 10 | 3370.56 | |
| MW-9 | 01/15/20 | 3429.88 | 67.15 | 59.27 | 59.30 | 0.03 | NA | 0.25 | 9.75 | 3370.61 | |
| MW-9 | 01/30/20 | 3429.88 | 67.15 | 59.34 | 59.36 | 0.02 | NA | SHEEN | 10 | 3370.54 | |
| MW-9 | 02/12/20 | 3429.88 | 67.15 | 59.31 | 59.36 | 0.05 | NA | SHEEN | 10 | 3370.56 | |
| MW-9 | 02/27/20 | 3429.88 | 67.15 | 59.32 | 59.38 | 0.06 | NA | SHEEN | 10 | 3370.55 | |
| MW-9 | 03/04/20 | 3429.88 | 67.15 | 59.30 | 59.41 | 0.11 | NA | 0.25 | 9.75 | 3370.56 | |
| MW-9 | 03/12/20 | 3429.88 | 67.15 | 59.39 | 59.40 | 0.01 | NA | SHEEN | 10 | 3370.49 | |
| MW-9 | 03/17/20 | 3429.88 | 67.15 | 59.34 | 59.39 | 0.05 | NA | SHEEN | 10 | 3370.53 | |
| MW-9 | 03/23/20 | 3429.88 | 67.15 | 59.36 | 59.40 | 0.04 | NA | SHEEN | 10 | 3370.51 | |
| MW-9 | 05/07/20 | 3429.88 | 67.15 | 59.19 | 59.28 | 0.09 | NA | SHEEN | 10 | 3370.68 | |
| MW-9 | 05/29/20 | 3429.88 | 67.15 | 59.28 | 59.36 | 0.08 | NA | SHEEN | 10 | 3370.59 | |
| MW-9 | 06/12/20 | 3429.88 | 67.15 | 59.40 | 59.47 | 0.07 | NA | SHEEN | 10 | 3370.47 | |
| MW-9 | 06/18/20 | 3429.88 | 67.15 | 59.40 | 59.52 | 0.12 | NA | 0.25 | 9.75 | 3370.46 | |
| MW-9 | 07/21/20 | 3429.88 | 67.15 | 59.42 | 59.55 | 0.13 | NA | 0.25 | 9.75 | 3370.44 | |
| MW-9 | 08/05/20 | 3429.88 | 67.15 | 59.65 | 59.84 | 0.19 | NA | 0.25 | 9.75 | 3370.20 | |
| MW-9 | 09/17/20 | 3429.88 | 67.15 | 59.53 | 59.80 | 0.27 | NA | NA | NA | 3370.31 | |
| MW-9 | 09/24/20 | 3429.88 | 67.15 | 59.53 | 59.70 | 0.17 | NA | 0.25 | 9.75 | 3370.32 | |
| MW-9 | 10/14/20 | 3429.88 | 67.15 | 59.55 | 59.70 | 0.15 | NA | SHEEN | 10 | 3370.31 | |
| MW-9 | 10/30/20 | 3429.88 | 67.15 | 59.55 | 59.70 | 0.15 | NA | SHEEN | 10 | 3370.31 | |
| MW-9 | 11/11/20 | 3429.88 | 67.15 | 59.62 | 59.75 | 0.13 | NA | SHEEN | 1 | 3370.24 | |
| MW-9 | 11/25/20 | 3429.88 | 67.15 | 59.58 | 59.62 | 0.04 | NA | NA | 10 | 3370.29 | |
| MW-9 | 12/11/20 | 3429.88 | 67.15 | 59.54 | 59.68 | 0.14 | NA | 0.25 | 9.75 | 3370.32 | |
| MW-9 | 12/22/20 | 3429.88 | 67.15 | 59.58 | 59.64 | 0.06 | NA | 0.25 | 9.75 | 3370.29 | |
| MW-9 | 01/06/21 | 3429.88 | 67.15 | 59.63 | 59.78 | 0.15 | NA | 0.5 | 14.5 | 3370.23 | |
| MW-9 | 01/19/21 | 3429.88 | 67.15 | 59.81 | 59.94 | 0.13 | NA | 0.25 | 9.75 | 3370.05 | |
| MW-9 | 02/03/21 | 3429.88 | 67.15 | 59.67 | 59.74 | 0.07 | NA | SHEEN | 10 | 3370.20 | |
| MW-9 | 02/25/21 | 3429.88 | 67.15 | 59.65 | 59.83 | 0.18 | NA | 0.25 | 9.75 | 3370.20 | |
| MW-9 | 03/03/21 | 3429.88 | 67.15 | 59.62 | 59.76 | 0.14 | NA | 0.25 | 9.75 | 3370.24 | |
| MW-9 | 03/17/21 | 3429.88 | 67.15 | 59.60 | 59.65 | 0.05 | NA | SHEEN | 10 | 3370.27 | |
| MW-9 | 03/31/21 | 3429.88 | 67.15 | 59.64 | 59.70 | 0.06 | NA | 0.25 | 9.75 | 3370.23 | |
| MW-9 | 04/15/21 | 3429.88 | 67.15 | 59.74 | 59.80 | 0.06 | NA | SHEEN | 10 | 3370.13 | |
| MW-9 | 04/28/21 | 3429.88 | 67.15 | 59.66 | 59.75 | 0.09 | NA | SHEEN | 10 | 3370.21 | |
| MW-9 | 05/21/21 | 3429.88 | 67.15 | 59.60 | 59.70 | 0.10 | NA | SHEEN | 10 | 3370.27 | |
| MW-9 | 05/28/21 | 3429.88 | 67.15 | 59.78 | 59.89 | 0.11 | NA | 1 | 9 | 3370.08 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-9 | 06/11/21 | 3429.88 | 67.15 | 59.78 | 59.85 | 0.07 | NA | 0.25 | 9.75 | 3370.09 | |
| MW-9 | 06/22/21 | 3429.88 | 67.15 | 59.75 | 59.82 | 0.07 | NA | 0.25 | 9.75 | 3370.12 | |
| MW-9 | 07/09/21 | 3429.88 | 67.15 | 59.68 | 59.71 | 0.03 | NA | 0.25 | 9.75 | 3370.20 | |
| MW-9 | 07/23/21 | 3429.88 | 67.15 | 59.72 | 59.81 | 0.09 | NA | 0.25 | 9.75 | 3370.15 | |
| MW-9 | 08/13/21 | 3429.88 | 67.15 | 59.85 | 59.92 | 0.07 | NA | 1 | 9 | 3370.02 | |
| MW-9 | 08/26/21 | 3429.88 | 67.15 | 59.81 | 59.89 | 0.08 | NA | 0.25 | 9.75 | 3370.06 | |
| MW-9 | 09/09/21 | 3429.88 | 67.15 | 59.95 | 60.03 | 0.08 | NA | SHEEN | 9.75 | 3369.92 | |
| MW-9 | 09/17/21 | 3429.88 | 67.15 | 59.90 | 59.94 | 0.04 | NA | 1 | 9 | 3369.97 | |
| MW-9 | 09/28/21 | 3429.88 | 67.15 | 59.87 | 59.98 | 0.11 | NA | 0.25 | 9.75 | 3369.99 | |
| MW-9 | 10/13/21 | 3429.88 | 67.15 | 59.92 | 59.98 | 0.06 | NA | 0.25 | 9.75 | 3369.95 | |
| MW-9 | 10/22/21 | 3429.88 | 67.15 | 59.78 | 59.89 | 0.11 | NA | 0.25 | 9.75 | 3370.08 | |
| MW-9 | 10/03/21 | 3429.88 | 67.15 | 59.78 | 59.85 | 0.07 | NA | 0.25 | 9.75 | 3370.09 | |
| MW-9 | 11/18/21 | 3429.88 | 67.15 | 59.88 | 60.01 | 0.13 | NA | SHEEN | 10 | 3369.98 | |
| MW-9 | 12/03/21 | 3429.88 | 67.15 | 60.05 | 60.11 | 0.06 | NA | SHEEN | 10 | 3369.82 | |
| MW-9 | 12/09/21 | 3429.88 | 67.15 | 60.09 | 60.12 | 0.03 | NA | SHEEN | 10 | 3369.79 | |
| MW-9 | 12/30/21 | 3429.88 | 67.15 | ND | 60.15 | ND | NA | SHEEN | 10 | 3369.73 | |
| MW-9 | 01/12/22 | 3429.88 | 67.15 | 59.98 | 60.04 | 0.06 | NA | SHEEN | 10 | 3369.89 | |
| MW-9 | 01/28/22 | 3429.88 | 67.15 | 60.02 | 60.10 | 0.08 | NA | SHEEN | 10 | 3369.85 | |
| MW-9 | 02/09/22 | 3429.88 | 67.15 | 60.00 | 60.04 | 0.04 | NA | SHEEN | 10 | 3369.87 | |
| MW-9 | 02/24/22 | 3429.88 | 67.15 | 59.98 | 60.08 | 0.10 | NA | 1.5 | 8.5 | 3369.89 | |
| MW-9 | 03/10/22 | 3429.88 | 67.15 | 59.89 | 59.92 | 0.03 | NA | 0.25 | 9.75 | 3369.99 | |
| MW-9 | 03/17/22 | 3429.88 | 67.15 | 60.05 | 60.12 | 0.07 | NA | 0.25 | 9.75 | 3369.82 | |
| MW-9 | 03/25/22 | 3429.88 | 67.15 | 60.06 | 60.07 | 0.01 | NA | SHEEN | 10 | 3369.82 | |
| MW-9 | 03/31/22 | 3429.88 | 67.15 | 60.01 | 60.12 | 0.11 | NA | SHEEN | 10 | 3369.85 | |
| MW-9 | 04/07/22 | 3429.88 | 67.15 | 60.08 | 60.12 | 0.04 | NA | SHEEN | 10 | 3369.79 | |
| MW-9 | 04/12/22 | 3429.88 | 67.15 | 60.10 | 60.19 | 0.09 | NA | SHEEN | 10 | 3369.77 | |
| MW-9 | 05/04/22 | 3429.88 | 67.15 | 60.19 | 60.21 | 0.02 | NA | 0.25 | 9.75 | 3369.69 | |
| MW-9 | 05/11/22 | 3429.88 | 67.15 | 60.12 | 60.71 | 0.59 | NA | 1 | 9 | 3369.67 | |
| MW-9 | 05/24/22 | 3429.88 | 67.15 | 60.14 | 60.84 | 0.70 | NA | 1.5 | 8.5 | 3369.64 | |
| MW-9 | 06/03/22 | 3429.88 | 67.15 | 60.15 | 60.88 | 0.73 | NA | 1.5 | 8.5 | 3369.62 | |
| MW-9 | 06/17/22 | 3429.88 | 67.15 | 60.25 | 60.34 | 0.09 | NA | SHEEN | 10 | 3369.62 | |
| MW-9 | 06/28/22 | 3429.88 | 67.15 | 60.20 | 60.68 | 0.48 | NA | NA | NA | 3369.61 | |
| MW-9 | 07/06/22 | 3429.88 | 67.15 | 60.18 | 60.60 | 0.42 | NA | 0.25 | 9.75 | 3369.64 | |
| MW-9 | 07/20/22 | 3429.88 | 67.15 | 60.22 | 60.30 | 0.08 | NA | SHEEN | 10 | 3369.65 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-9 | 09/02/22 | 3429.88 | 67.15 | 60.30 | 60.38 | 0.08 | NA | SHEEN | 10 | 3369.57 | |
| MW-9 | 09/14/22 | 3429.88 | 67.15 | 60.33 | 60.43 | 0.10 | NA | SHEEN | 10 | 3369.54 | |
| MW-9 | 09/30/22 | 3429.88 | 67.15 | 60.35 | 60.45 | 0.10 | NA | SHEEN | 10 | 3369.52 | |
| MW-9 | 10/05/22 | 3429.88 | 67.15 | 60.38 | 60.42 | 0.04 | NA | SHEEN | 10 | 3369.49 | |
| MW-9 | 10/18/22 | 3429.88 | 67.15 | 60.33 | 60.41 | 0.08 | NA | 1 | 9 | 3369.54 | |
| MW-9 | 11/01/22 | 3429.88 | 67.15 | 60.42 | 60.90 | 0.48 | NA | 1 | 9 | 3369.39 | |
| MW-9 | 11/10/22 | 3429.88 | 67.15 | 60.38 | 60.47 | 0.09 | NA | SHEEN | 10 | 3369.49 | |
| MW-9 | 12/21/22 | 3429.88 | 67.15 | 60.43 | 60.49 | 0.06 | NA | 1 | 9 | 3369.44 | |
| MW-9 | 01/05/23 | 3429.88 | 67.15 | 60.41 | 60.45 | 0.04 | NA | 1 | 9 | 3369.46 | |
| MW-9 | 01/19/23 | 3429.88 | 67.15 | 60.44 | 60.49 | 0.05 | NA | SHEEN | 10 | 3369.43 | |
| MW-9 | 02/10/23 | 3429.88 | 67.15 | 60.46 | 60.49 | 0.03 | NA | SHEEN | 10 | 3369.42 | |
| MW-9 | 03/16/23 | 3429.88 | 67.15 | 60.49 | 60.74 | 0.25 | NA | 0.25 | 9.75 | 3369.35 | |
| MW-9 | 05/18/23 | 3429.88 | 67.15 | 60.50 | 60.55 | 0.05 | NA | 2.5 | 7.5 | 3369.37 | |
| MW-9 | 06/14/23 | 3429.88 | 67.15 | 60.45 | 60.50 | 0.05 | NA | 1 | 12 | 3369.42 | |
| MW-9 | 08/03/23 | 3429.88 | 67.15 | 60.48 | 60.58 | 0.10 | NA | 1.5 | 8.5 | 3369.39 | |
| MW-9 | 08/17/23 | 3429.88 | 67.15 | 60.55 | 60.68 | 0.13 | NA | 1.5 | 8.5 | 3369.31 | |
| MW-9 | 09/06/23 | 3429.88 | 67.15 | 60.59 | 60.62 | 0.03 | NA | 1 | 9 | 3369.29 | |
| MW-9 | 10/05/23 | 3429.88 | 67.15 | 60.72 | 60.83 | 0.11 | NA | 1.5 | 8.5 | 3369.14 | |
| MW-9 | 10/18/23 | 3429.88 | 67.15 | 60.59 | 60.69 | 0.10 | NA | NA | NA | 3369.28 | |
| MW-9 | 11/02/23 | 3429.88 | 67.15 | 60.63 | 60.69 | 0.06 | NA | 1 | 9 | 3369.24 | |
| | | | | | | | | | | | |
| MW-10 | 01/03/18 | 3430.65 | 63.30 | 59.37 | 59.40 | 0.03 | NA | SHEEN | 10.00 | 3371.28 | |
| MW-10 | 01/10/18 | 3430.65 | 63.30 | 59.31 | 59.41 | 0.10 | NA | SHEEN | 10.00 | 3371.33 | |
| MW-10 | 01/18/18 | 3430.65 | 63.30 | 59.35 | 59.36 | 0.01 | NA | 1.00 | 9.00 | 3371.30 | |
| MW-10 | 01/26/18 | 3430.65 | 63.30 | 59.27 | 59.37 | 0.10 | NA | NA | NA | 3371.37 | |
| MW-10 | 02/01/18 | 3430.65 | 63.30 | Sheen | 58.28 | Sheen | NA | NA | NA | 3372.37 | |
| MW-10 | 02/14/18 | 3430.65 | 63.30 | 59.29 | 59.33 | 0.04 | NA | SHEEN | 10.00 | 3371.35 | |
| MW-10 | 02/21/18 | 3430.65 | 63.30 | 59.30 | 59.33 | 0.03 | NA | SHEEN | 10.00 | 3371.35 | |
| MW-10 | 02/28/18 | 3430.65 | 63.30 | Sheen | 59.30 | Sheen | NA | NA | NA | 3371.35 | |
| MW-10 | 03/09/18 | 3430.65 | 63.30 | 58.94 | 59.12 | 0.18 | NA | NA | NA | 3371.68 | |
| MW-10 | 03/15/18 | 3430.65 | 63.30 | 59.35 | 59.36 | 0.01 | NA | SHEEN | 10.00 | 3371.30 | |
| MW-10 | 03/22/18 | 3430.65 | 63.30 | Sheen | 59.36 | Sheen | NA | NA | NA | 3371.29 | |
| MW-10 | 03/28/18 | 3430.65 | 63.30 | Sheen | 59.40 | Sheen | NA | NA | 10.00 | 3371.25 | |
| MW-10 | 04/03/18 | 3430.65 | 63.30 | 59.39 | 59.40 | 0.01 | NA | SHEEN | 10.00 | 3371.26 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-10 | 04/10/18 | 3430.65 | 63.30 | Sheen | 59.42 | Sheen | NA | NA | 10.00 | 3371.23 | |
| MW-10 | 04/19/18 | 3430.65 | 63.30 | Sheen | 59.46 | Sheen | NA | SHEEN | 10.00 | 3371.19 | |
| MW-10 | 04/25/18 | 3430.65 | 63.30 | Sheen | 59.52 | Sheen | NA | NA | 10.00 | 3371.13 | |
| MW-10 | 05/10/18 | 3430.65 | 63.30 | 59.45 | 59.47 | 0.02 | NA | NA | 10.00 | 3371.20 | |
| MW-10 | 05/15/18 | 3430.65 | 63.30 | 59.46 | 59.49 | 0.03 | NA | SHEEN | 10.00 | 3371.19 | |
| MW-10 | 05/23/18 | 3430.65 | 63.30 | 59.47 | 59.49 | 0.02 | NA | SHEEN | 10.00 | 3371.18 | |
| MW-10 | 06/07/18 | 3430.65 | 63.30 | 59.50 | 59.52 | 0.02 | NA | NA | NA | 3371.15 | Sampled |
| MW-10 | 06/13/18 | 3430.65 | 63.30 | 59.51 | 59.52 | 0.01 | NA | SHEEN | 10.00 | 3371.14 | |
| MW-10 | 06/28/18 | 3430.65 | 63.30 | 59.54 | 59.55 | 0.01 | NA | NA | NA | 3371.11 | |
| MW-10 | 07/05/18 | 3430.65 | 63.30 | 59.56 | 59.57 | 0.01 | NA | NA | NA | 3371.09 | |
| MW-10 | 07/12/18 | 3430.65 | 63.30 | 59.58 | 59.59 | 0.01 | NA | SHEEN | 10.00 | 3371.07 | |
| MW-10 | 07/20/18 | 3430.65 | 63.30 | 59.60 | 59.65 | 0.05 | NA | SHEEN | 10.00 | 3371.04 | |
| MW-10 | 08/01/18 | 3430.65 | 63.30 | 59.56 | 59.59 | 0.03 | NA | SHEEN | 10.00 | 3371.09 | |
| MW-10 | 08/21/18 | 3430.65 | 63.30 | 59.59 | 59.60 | 0.01 | NA | SHEEN | 10.00 | 3371.06 | |
| MW-10 | 08/30/18 | 3430.65 | 63.30 | 59.60 | 59.62 | 0.02 | NA | SHEEN | 10.00 | 3371.05 | |
| MW-10 | 09/12/18 | 3430.65 | 63.30 | 59.61 | 59.62 | 0.01 | NA | SHEEN | 10.00 | 3371.04 | |
| MW-10 | 09/26/18 | 3430.65 | 63.30 | 59.60 | 59.61 | 0.01 | NA | SHEEN | 10.00 | 3371.05 | |
| MW-10 | 10/04/18 | 3430.65 | 63.30 | 59.60 | 59.62 | 0.02 | NA | SHEEN | 10.00 | 3371.05 | |
| MW-10 | 10/10/18 | 3430.65 | 63.30 | 59.58 | 59.59 | 0.01 | NA | SHEEN | 10.00 | 3371.07 | |
| MW-10 | 10/17/18 | 3430.65 | 63.30 | 59.42 | 59.44 | 0.02 | NA | SHEEN | 10.00 | 3371.23 | |
| MW-10 | 10/24/18 | 3430.65 | 63.30 | 59.36 | 59.37 | 0.01 | NA | SHEEN | 10.00 | 3371.29 | |
| MW-10 | 11/01/18 | 3430.65 | 63.30 | Sheen | 59.69 | Sheen | NA | NA | NA | 3370.96 | |
| MW-10 | 11/07/18 | 3430.65 | 63.30 | Sheen | 59.80 | Sheen | NA | NA | NA | 3370.85 | |
| MW-10 | 11/13/18 | 3430.65 | 63.30 | Sheen | 59.78 | Sheen | NA | SHEEN | 10.00 | 3370.87 | |
| MW-10 | 11/21/18 | 3430.65 | 63.30 | 59.74 | 59.76 | 0.02 | NA | SHEEN | 10.00 | 3370.91 | |
| MW-10 | 11/30/18 | 3430.65 | 63.30 | 59.72 | 59.74 | 0.02 | NA | SHEEN | 10.00 | 3370.93 | |
| MW-10 | 12/07/18 | 3430.65 | 63.30 | 59.74 | 59.75 | 0.01 | NA | SHEEN | 10.00 | 3370.91 | |
| MW-10 | 12/13/18 | 3430.65 | 63.30 | Sheen | 59.70 | Sheen | NA | SHEEN | 10.00 | 3370.95 | |
| MW-10 | 12/19/18 | 3430.65 | 63.30 | 59.66 | 59.67 | 0.01 | NA | SHEEN | 10.00 | 3370.99 | |
| MW-10 | 01/03/19 | 3430.65 | 63.30 | Sheen | 59.69 | Sheen | NA | SHEEN | 10.00 | 3370.96 | |
| MW-10 | 01/18/19 | 3430.65 | 63.30 | 59.74 | 59.75 | 0.01 | NA | SHEEN | 10.00 | 3370.91 | |
| MW-10 | 01/23/19 | 3430.65 | 63.30 | 59.73 | 59.75 | 0.02 | NA | NA | NA | 3370.92 | |
| MW-10 | 01/30/19 | 3430.65 | 63.30 | Sheen | 59.63 | Sheen | NA | NA | 10.00 | 3371.02 | |
| MW-10 | 02/06/19 | 3430.65 | 63.30 | ND | 59.65 | ND | NA | NA | NA | 3371.00 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-10 | 02/14/19 | 3430.65 | 63.30 | 59.68 | 59.71 | 0.03 | NA | NA | NA | 3370.97 | |
| MW-10 | 02/22/19 | 3430.65 | 63.30 | 59.74 | 59.76 | 0.02 | NA | NA | NA | 3370.91 | |
| MW-10 | 02/28/19 | 3430.65 | 63.30 | 59.69 | 59.70 | 0.01 | NA | SHEEN | 10.00 | 3370.96 | |
| MW-10 | 03/06/19 | 3430.65 | 63.30 | Sheen | 59.71 | Sheen | NA | NA | NA | 3370.94 | |
| MW-10 | 03/12/19 | 3430.65 | 63.30 | 59.68 | 59.69 | 0.01 | NA | SHEEN | 10.00 | 3370.97 | |
| MW-10 | 03/22/19 | 3430.65 | 63.30 | 59.69 | 59.70 | 0.01 | NA | SHEEN | 10.00 | 3370.96 | |
| MW-10 | 03/28/19 | 3430.65 | 63.30 | 59.70 | 59.71 | 0.01 | NA | SHEEN | 10.00 | 3370.95 | |
| MW-10 | 04/03/19 | 3430.65 | 63.30 | Sheen | 59.72 | Sheen | NA | NA | NA | 3370.93 | |
| MW-10 | 04/11/19 | 3430.65 | 63.30 | 59.76 | 59.79 | 0.03 | NA | SHEEN | 10.00 | 3370.89 | |
| MW-10 | 04/16/19 | 3430.65 | 63.30 | Sheen | 59.78 | Sheen | NA | NA | NA | 3370.87 | |
| MW-10 | 04/25/19 | 3430.65 | 63.30 | Sheen | 59.79 | Sheen | NA | SHEEN | 10.00 | 3370.86 | |
| MW-10 | 05/01/19 | 3430.65 | 63.30 | Sheen | 59.70 | Sheen | NA | NA | NA | 3370.95 | |
| MW-10 | 05/14/19 | 3430.65 | 63.30 | 59.80 | 59.84 | 0.04 | NA | SHEEN | 10.00 | 3370.84 | |
| MW-10 | 05/24/19 | 3430.65 | 63.30 | 59.80 | 59.81 | 0.01 | NA | NA | 10.00 | 3370.85 | |
| MW-10 | 06/05/19 | 3430.65 | 63.30 | 59.75 | 59.78 | 0.03 | NA | SHEEN | 10.00 | 3370.90 | |
| MW-10 | 06/14/19 | 3430.65 | 63.30 | 59.87 | 59.88 | 0.01 | NA | SHEEN | 10.00 | 3370.78 | |
| MW-10 | 06/20/19 | 3430.65 | 63.30 | 59.75 | 59.76 | 0.01 | NA | SHEEN | 10.00 | 3370.90 | |
| MW-10 | 06/26/19 | 3430.65 | 63.30 | 59.93 | 59.95 | 0.02 | NA | NA | NA | 3370.72 | |
| MW-10 | 07/03/19 | 3430.65 | 63.30 | 59.93 | 59.94 | 0.01 | NA | SHEEN | 10.00 | 3370.72 | |
| MW-10 | 07/11/19 | 3430.65 | 63.30 | 59.96 | 59.97 | 0.01 | NA | NA | NA | 3370.69 | |
| MW-10 | 07/26/19 | 3430.65 | 63.30 | 60.00 | 60.02 | 0.02 | NA | NA | 10.00 | 3370.65 | |
| MW-10 | 08/10/19 | 3430.65 | 63.30 | 60.01 | 60.02 | 0.01 | NA | NA | 10.00 | 3370.64 | |
| MW-10 | 08/15/19 | 3430.65 | 63.30 | 59.72 | 59.76 | 0.04 | NA | NA | 10.00 | 3370.92 | |
| MW-10 | 08/27/19 | 3430.65 | 63.30 | 60.11 | 60.18 | 0.07 | NA | NA | 10.00 | 3370.53 | |
| MW-10 | 09/06/19 | 3430.65 | 63.30 | 59.82 | 60.04 | 0.22 | NA | NA | 10.00 | 3370.80 | |
| MW-10 | 09/13/19 | 3430.65 | 63.30 | 59.80 | 60.05 | 0.25 | NA | NA | 10.00 | 3370.81 | |
| MW-10 | 09/20/19 | 3430.65 | 63.30 | 60.12 | 60.30 | 0.18 | NA | 0.25 | 9.75 | 3370.50 | |
| MW-10 | 10/09/19 | 3430.65 | 63.30 | 60.12 | 60.14 | 0.02 | NA | SHEEN | 10.00 | 3370.53 | |
| MW-10 | 10/17/19 | 3430.65 | 63.30 | 60.10 | 60.11 | 0.01 | NA | NA | NA | 3370.55 | |
| MW-10 | 10/24/19 | 3430.65 | 63.30 | 60.12 | 60.14 | 0.02 | NA | NA | NA | 3370.53 | |
| MW-10 | 11/01/19 | 3430.65 | 63.30 | 60.04 | 60.06 | 0.02 | NA | NA | NA | 3370.61 | |
| MW-10 | 11/08/19 | 3430.65 | 63.30 | 60.01 | 60.02 | 0.01 | NA | NA | NA | 3370.64 | |
| MW-10 | 11/15/19 | 3430.65 | 63.30 | 60.00 | 60.02 | 0.02 | NA | SHEEN | 10.00 | 3370.65 | |
| MW-10 | 11/19/19 | 3430.65 | 63.30 | 59.99 | 60.02 | 0.03 | NA | NA | NA | 3370.66 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-10 | 11/26/19 | 3430.65 | 63.30 | 59.96 | 59.99 | 0.03 | NA | NA | NA | 3370.69 | |
| MW-10 | 12/04/19 | 3430.65 | 63.30 | 59.97 | 59.98 | 0.01 | NA | SHEEN | 10.00 | 3370.68 | |
| MW-10 | 12/13/19 | 3430.65 | 63.30 | 59.95 | 59.97 | 0.02 | NA | SHEEN | 10.00 | 3370.70 | |
| MW-10 | 12/20/19 | 3430.65 | 63.30 | 59.87 | 59.92 | 0.05 | NA | SHEEN | 10.00 | 3370.77 | |
| MW-10 | 12/27/19 | 3430.65 | 63.30 | NA | 59.96 | NA | NA | SHEEN | 10.00 | 3370.69 | 0.04 |
| MW-10 | 01/03/20 | 3430.65 | 63.30 | 59.94 | 59.98 | 0.04 | NA | SHEEN | 10.00 | 3370.70 | |
| MW-10 | 01/09/20 | 3430.65 | 63.30 | 60.00 | 60.02 | 0.02 | NA | SHEEN | 10.00 | 3370.65 | |
| MW-10 | 01/15/20 | 3430.65 | 63.30 | 59.96 | 59.97 | 0.01 | NA | 0.25 | 9.75 | 3370.69 | |
| MW-10 | 01/30/20 | 3430.65 | 63.30 | 60.03 | 60.04 | 0.01 | NA | SHEEN | 10.00 | 3370.62 | |
| MW-10 | 02/12/20 | 3430.65 | 63.30 | 60.00 | 60.04 | 0.04 | NA | SHEEN | 10.00 | 3370.64 | |
| MW-10 | 02/27/20 | 3430.65 | 63.30 | 59.99 | 60.01 | 0.02 | NA | SHEEN | 10.00 | 3370.66 | |
| MW-10 | 03/04/20 | 3430.65 | 63.30 | 60.03 | 60.08 | 0.05 | NA | 0.25 | 9.75 | 3370.61 | |
| MW-10 | 03/12/20 | 3430.65 | 63.30 | 59.99 | 60.01 | 0.02 | NA | SHEEN | 10.00 | 3370.66 | |
| MW-10 | 03/17/20 | 3430.65 | 63.30 | 60.03 | 60.08 | 0.05 | NA | SHEEN | 10.00 | 3370.61 | |
| MW-10 | 03/23/20 | 3430.65 | 63.30 | 60.01 | 60.03 | 0.02 | NA | SHEEN | 10.00 | 3370.64 | |
| MW-10 | 05/07/20 | 3430.65 | 63.30 | 59.88 | 59.92 | 0.04 | NA | NA | NA | 3370.76 | |
| MW-10 | 05/29/20 | 3430.65 | 63.30 | 59.95 | 60.02 | 0.07 | NA | SHEEN | 10.00 | 3370.69 | |
| MW-10 | 06/12/20 | 3430.65 | 63.30 | 60.00 | 60.03 | 0.03 | NA | SHEEN | 10.00 | 3370.65 | |
| MW-10 | 06/18/20 | 3430.65 | 63.30 | 60.10 | 60.19 | 0.09 | NA | SHEEN | 10.00 | 3370.54 | |
| MW-10 | 07/21/20 | 3430.65 | 63.30 | 60.01 | 60.21 | 0.20 | NA | 0.25 | 9.75 | 3370.61 | 0.05 |
| MW-10 | 08/05/20 | 3430.65 | 63.30 | Sheen | 60.21 | Sheen | NA | SHEEN | 10.00 | 3370.44 | |
| MW-10 | 09/17/20 | 3430.65 | 63.30 | sheen | 60.22 | sheen | NA | SHEEN | 10.00 | 3370.43 | |
| MW-10 | 09/24/20 | 3430.65 | 63.30 | 60.20 | 60.21 | 0.01 | NA | SHEEN | 10.00 | 3370.45 | |
| MW-10 | 10/14/20 | 3430.65 | 63.30 | 60.18 | 60.21 | 0.03 | NA | SHEEN | 10.00 | 3370.47 | |
| MW-10 | 10/30/20 | 3430.65 | 63.30 | 60.19 | 60.21 | 0.02 | NA | SHEEN | 10.00 | 3370.46 | |
| MW-10 | 11/11/20 | 3430.65 | 63.30 | 60.15 | 60.18 | 0.03 | NA | SHEEN | 10.00 | 3370.50 | |
| MW-10 | 11/25/20 | 3430.65 | 63.30 | Sheen | 60.25 | Sheen | NA | SHEEN | 10.00 | 3370.40 | |
| MW-10 | 12/11/20 | 3430.65 | 63.30 | 60.25 | 60.48 | 0.23 | NA | SHEEN | 10.00 | 3370.37 | |
| MW-10 | 12/22/20 | 3430.65 | 63.30 | 60.21 | 60.42 | 0.21 | NA | SHEEN | 10.00 | 3370.41 | |
| MW-10 | 01/06/21 | 3430.65 | 63.30 | 60.33 | 60.45 | 0.12 | NA | 0.50 | 14.50 | 3370.30 | |
| MW-10 | 01/19/21 | 3430.65 | 63.30 | 60.28 | 60.44 | 0.16 | NA | 0.25 | 9.75 | 3370.35 | |
| MW-10 | 02/03/21 | 3430.65 | 63.30 | 60.35 | 60.40 | 0.05 | NA | SHEEN | 10.00 | 3370.29 | |
| MW-10 | 02/25/21 | 3430.65 | 63.30 | 60.30 | 60.72 | 0.42 | NA | 1.00 | 9.00 | 3370.29 | |
| MW-10 | 03/03/21 | 3430.65 | 63.30 | 60.26 | 60.45 | 0.19 | NA | 0.25 | 9.75 | 3370.36 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-10 | 03/17/21 | 3430.65 | 63.30 | 60.26 | 60.70 | 0.44 | NA | 0.50 | 9.50 | 3370.32 | |
| MW-10 | 03/31/21 | 3430.65 | 63.30 | 60.30 | 60.42 | 0.12 | NA | 1.00 | 9.00 | 3370.33 | |
| MW-10 | 04/15/21 | 3430.65 | 63.30 | 60.41 | 60.48 | 0.07 | NA | SHEEN | 10.00 | 3370.23 | |
| MW-10 | 04/28/21 | 3430.65 | 63.30 | 60.30 | 60.75 | 0.45 | NA | 0.25 | 9.75 | 3370.28 | |
| MW-10 | 05/21/21 | 3430.65 | 63.30 | 60.32 | 60.40 | 0.08 | NA | SHEEN | 10.00 | 3370.32 | |
| MW-10 | 05/28/21 | 3430.65 | 63.30 | 60.19 | 60.39 | 0.20 | NA | SHEEN | 10.00 | 3370.43 | |
| MW-10 | 06/11/21 | 3430.65 | 63.30 | 60.46 | 60.54 | 0.08 | NA | 0.25 | 14.75 | 3370.18 | |
| MW-10 | 06/22/21 | 3430.65 | 63.30 | 60.40 | 60.53 | 0.13 | NA | SHEEN | 10.00 | 3370.23 | |
| MW-10 | 07/09/21 | 3430.65 | 63.30 | 60.21 | 60.25 | 0.04 | NA | 0.25 | 9.75 | 3370.43 | |
| MW-10 | 07/23/21 | 3430.65 | 63.30 | 60.18 | 60.21 | 0.03 | NA | 0.25 | 9.75 | 3370.47 | |
| MW-10 | 08/13/21 | 3430.65 | 63.30 | 60.50 | 60.55 | 0.05 | NA | 1.00 | 9.00 | 3370.14 | |
| MW-10 | 08/26/21 | 3430.65 | 63.30 | 60.52 | 60.60 | 0.08 | NA | 0.25 | 9.75 | 3370.12 | |
| MW-10 | 09/09/21 | 3430.65 | 63.30 | 60.60 | 60.68 | 0.08 | NA | SHEEN | 10.00 | 3370.04 | |
| MW-10 | 09/17/21 | 3430.65 | 63.30 | 60.49 | 60.54 | 0.05 | NA | 0.25 | 9.75 | 3370.15 | |
| MW-10 | 09/28/21 | 3430.65 | 63.30 | 60.52 | 60.60 | 0.08 | NA | SHEEN | 10.00 | 3370.12 | |
| MW-10 | 10/13/21 | 3430.65 | 63.30 | 60.60 | 60.63 | 0.03 | NA | 0.25 | 9.75 | 3370.05 | |
| MW-10 | 10/22/21 | 3430.65 | 63.30 | 60.52 | 60.60 | 0.08 | NA | SHEEN | 10.00 | 3370.12 | |
| MW-10 | 11/03/21 | 3430.65 | 63.30 | 60.60 | 60.68 | 0.08 | NA | SHEEN | 10.00 | 3370.04 | |
| MW-10 | 11/18/21 | 3430.65 | 63.30 | 60.60 | 60.68 | 0.08 | NA | 0.25 | 9.75 | 3370.04 | |
| MW-10 | 12/03/21 | 3430.65 | 63.30 | 60.75 | 60.80 | 0.05 | NA | SHEEN | 10.00 | 3369.89 | |
| MW-10 | 12/09/21 | 3430.65 | 63.30 | 60.75 | 60.81 | 0.06 | NA | SHEEN | 10.00 | 3369.89 | |
| MW-10 | 12/30/21 | 3430.65 | 63.30 | 60.68 | 60.72 | 0.04 | NA | 0.25 | 9.75 | 3369.96 | |
| MW-10 | 01/12/22 | 3430.65 | 63.30 | 60.62 | 60.80 | 0.18 | NA | SHEEN | 10.00 | 3370.00 | |
| MW-10 | 01/28/22 | 3430.65 | 63.30 | Sheen | 60.71 | Sheen | NA | SHEEN | 10.00 | 3369.94 | |
| MW-10 | 02/09/22 | 3430.65 | 63.30 | Sheen | 60.67 | Sheen | NA | SHEEN | 10.00 | 3369.98 | |
| MW-10 | 02/24/22 | 3430.65 | 63.30 | Sheen | 60.71 | Sheen | NA | SHEEN | 10.00 | 3369.94 | |
| MW-10 | 03/10/22 | 3430.65 | 63.30 | Sheen | 60.59 | Sheen | NA | 0.25 | 9.75 | 3370.06 | |
| MW-10 | 03/17/22 | 3430.65 | 63.30 | 60.70 | 61.05 | 0.35 | NA | 0.25 | 9.75 | 3369.90 | |
| MW-10 | 03/25/22 | 3430.65 | 63.30 | Sheen | 60.72 | Sheen | NA | SHEEN | 10.00 | 3369.93 | |
| MW-10 | 03/31/22 | 3430.65 | 63.30 | 60.70 | 60.81 | 0.11 | NA | SHEEN | 10.00 | 3369.93 | |
| MW-10 | 04/07/22 | 3430.65 | 63.30 | 60.74 | 60.84 | 0.10 | NA | SHEEN | 10.00 | 3369.90 | |
| MW-10 | 04/12/22 | 3430.65 | 63.30 | 60.75 | 60.82 | 0.07 | NA | SHEEN | 10.00 | 3369.89 | |
| MW-10 | 05/04/22 | 3430.65 | 63.30 | 60.81 | 60.83 | 0.02 | NA | SHEEN | 10.00 | 3369.84 | |
| MW-10 | 05/11/22 | 3430.65 | 63.30 | 60.82 | 60.88 | 0.06 | NA | 0.25 | 9.75 | 3369.82 | |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| MW-10 | 05/24/22 | 3430.65 | 63.30 | 60.71 | 60.78 | 0.07 | NA | 0.25 | 9.75 | 3369.93 | |
| MW-10 | 06/03/22 | 3430.65 | 63.30 | 60.85 | 60.91 | 0.06 | NA | 1.00 | 9.00 | 3369.79 | |
| MW-10 | 06/17/22 | 3430.65 | 63.30 | 60.93 | 61.35 | 0.42 | NA | 0.50 | 9.50 | 3369.66 | |
| MW-10 | 06/28/22 | 3430.65 | 63.30 | 60.90 | 60.95 | 0.05 | NA | NA | NA | 3369.74 | |
| MW-10 | 07/06/22 | 3430.65 | 63.30 | 60.87 | 60.99 | 0.12 | NA | 0.25 | 9.75 | 3369.76 | |
| MW-10 | 07/20/22 | 3430.65 | 63.30 | 60.89 | 61.00 | 0.11 | NA | SHEEN | 10.00 | 3369.74 | |
| MW-10 | 09/02/22 | 3430.65 | 63.30 | Sheen | 60.97 | Sheen | NA | SHEEN | 10.00 | 3369.68 | |
| MW-10 | 09/14/22 | 3430.65 | 63.30 | 61.00 | 61.08 | 0.08 | NA | SHEEN | 10.00 | 3369.64 | |
| MW-10 | 09/30/22 | 3430.65 | 63.30 | 61.00 | 61.06 | 0.06 | NA | SHEEN | 10.00 | 3369.64 | |
| MW-10 | 10/05/22 | 3430.65 | 63.30 | 61.02 | 61.08 | 0.06 | NA | SHEEN | 10.00 | 3369.62 | |
| MW-10 | 10/18/22 | 3430.65 | 63.30 | Sheen | 60.91 | Sheen | NA | SHEEN | 10.00 | 3369.74 | |
| MW-10 | 11/01/22 | 3430.65 | 63.30 | 61.08 | 61.40 | 0.32 | NA | 0.25 | 9.75 | 3369.52 | |
| MW-10 | 11/10/22 | 3430.65 | 63.30 | 61.02 | 61.05 | 0.03 | NA | SHEEN | 7.00 | 3369.63 | |
| MW-10 | 12/21/22 | 3430.65 | 63.30 | 61.08 | 61.20 | 0.12 | NA | 0.25 | 9.25 | 3369.55 | |
| MW-10 | 01/05/23 | 3430.65 | 63.30 | 61.10 | 61.29 | 0.19 | NA | 0.25 | 9.75 | 3369.52 | |
| MW-10 | 01/19/23 | 3430.65 | 63.30 | 61.13 | 61.30 | 0.17 | NA | SHEEN | 10.00 | 3369.49 | |
| MW-10 | 02/10/23 | 3430.65 | 63.30 | 61.02 | 61.04 | 0.02 | NA | SHEEN | 10.00 | 3369.63 | |
| MW-10 | 03/16/23 | 3430.65 | 63.30 | 61.12 | 61.27 | 0.15 | NA | 0.25 | 9.75 | 3369.51 | |
| MW-10 | 05/18/23 | 3430.65 | 63.30 | 61.11 | 61.49 | 0.38 | NA | 1.50 | 8.50 | 3369.48 | |
| MW-10 | 06/14/23 | 3430.65 | 63.30 | 61.12 | 61.30 | 0.18 | NA | 0.50 | 4.50 | 3369.50 | |
| MW-10 | 08/03/23 | 3430.65 | 63.30 | 61.10 | 61.23 | 0.13 | NA | 1.00 | 9.00 | 3369.53 | |
| MW-10 | 08/17/23 | 3430.65 | 63.30 | 61.20 | 61.39 | 0.19 | NA | 1.50 | 8.50 | 3369.42 | |
| MW-10 | 09/06/23 | 3430.65 | 63.30 | 61.17 | 61.41 | 0.24 | NA | 1.50 | 8.50 | 3369.44 | |
| MW-10 | 10/05/23 | 3430.65 | 63.30 | 61.40 | 61.59 | 0.19 | NA | 0.75 | 9.25 | 3369.22 | |
| MW-10 | 10/18/23 | 3430.65 | 63.30 | 61.21 | 61.29 | 0.08 | NA | NA | NA | 3369.43 | |
| MW-10 | 11/02/23 | 3430.65 | 63.30 | 61.24 | 61.34 | 0.10 | NA | 0.50 | 9.50 | 3369.40 | |
| | | | | | | | | | | | |
| MW-11 | 03/09/18 | 3430.94 | 74.81 | ND | 59.60 | ND | NA | NA | NA | 3371.34 | Sampled |
| MW-11 | 06/07/18 | 3430.94 | 74.81 | ND | 59.80 | ND | NA | NA | NA | 3371.14 | Sampled |
| MW-11 | 11/30/18 | 3430.94 | 74.81 | ND | 60.04 | ND | NA | NA | NA | 3370.90 | Sampled |
| MW-11 | 02/14/19 | 3430.94 | 74.81 | ND | 60.04 | ND | NA | NA | NA | 3370.90 | Sampled |
| MW-11 | 05/14/19 | 3430.94 | 74.81 | ND | 60.11 | ND | NA | NA | NA | 3370.83 | Sampled |
| MW-11 | 08/27/19 | 3430.94 | 74.81 | ND | 60.41 | ND | NA | NA | NA | 3370.53 | Sampled |
| MW-11 | 11/19/19 | 3430.94 | 74.81 | ND | 60.28 | ND | NA | NA | NA | 3370.66 | Sampled |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| **MW-11** | 03/17/20 | 3430.94 | 74.81 | ND | 60.33 | ND | NA | NA | NA | 3370.61 | Sampled |
| **MW-11** | 06/18/20 | 3430.94 | 74.81 | ND | 60.40 | ND | NA | NA | NA | 3370.54 | Sampled |
| **MW-11** | 09/17/20 | 3430.94 | 74.81 | ND | 60.52 | ND | NA | NA | NA | 3370.42 | Sampled |
| **MW-11** | 12/11/20 | 3430.94 | 74.81 | ND | 60.56 | ND | NA | NA | NA | 3370.38 | Sampled |
| **MW-11** | 03/17/21 | 3430.94 | 74.81 | ND | 60.58 | ND | NA | NA | NA | 3370.36 | Sampled |
| **MW-11** | 06/22/21 | 3430.94 | 74.81 | ND | 60.73 | ND | NA | NA | NA | 3370.21 | Sampled |
| **MW-11** | 09/28/21 | 3430.94 | 74.81 | ND | 60.88 | ND | NA | NA | NA | 3370.06 | Sampled |
| **MW-11** | 12/09/21 | 3430.94 | 74.81 | ND | 61.01 | ND | NA | NA | NA | 3369.93 | Sampled |
| **MW-11** | 03/17/22 | 3430.94 | 74.81 | ND | 61.01 | ND | NA | NA | NA | 3369.93 | Sampled |
| **MW-11** | 06/28/22 | 3430.94 | 74.81 | ND | 61.20 | ND | NA | NA | NA | 3369.74 | Sampled |
| **MW-11** | 08/17/22 | 3430.94 | 74.04 | ND | 61.24 | ND | NA | NA | NA | 3369.70 | Sampled |
| **MW-11** | 09/14/22 | 3430.94 | 74.04 | ND | 61.27 | ND | NA | NA | NA | 3369.67 | Sampled |
| **MW-11** | 11/10/22 | 3430.94 | 74.04 | ND | 61.31 | ND | NA | NA | NA | 3369.63 | Sampled |
| | | | | | | | | | | | |
| **MW-12** | 03/09/18 | 3426.47 | 64.18 | ND | 55.60 | ND | NA | NA | NA | 3370.87 | Sampled |
| **MW-12** | 06/07/18 | 3426.47 | 64.18 | ND | 56.74 | ND | NA | NA | NA | 3369.73 | Sampled |
| **MW-12** | 11/30/18 | 3426.47 | 64.18 | ND | 56.00 | ND | NA | NA | NA | 3370.47 | Sampled |
| **MW-12** | 02/14/19 | 3426.47 | 64.18 | ND | 55.97 | ND | NA | NA | NA | 3370.50 | Sampled |
| **MW-12** | 05/14/19 | 3426.47 | 64.18 | ND | 56.00 | ND | NA | NA | NA | 3370.47 | Sampled |
| **MW-12** | 08/27/19 | 3426.47 | 64.18 | ND | 56.40 | ND | NA | NA | NA | 3370.07 | Sampled |
| **MW-12** | 11/19/19 | 3426.47 | 64.18 | ND | 56.19 | ND | NA | NA | NA | 3370.28 | Sampled |
| **MW-12** | 03/17/20 | 3426.47 | 64.18 | ND | 56.23 | ND | NA | NA | NA | 3370.24 | Sampled |
| **MW-12** | 06/18/20 | 3426.47 | 64.18 | ND | 56.30 | ND | NA | NA | NA | 3370.17 | Sampled |
| **MW-12** | 09/17/20 | 3426.47 | 64.18 | ND | 56.50 | ND | NA | NA | NA | 3369.97 | Sampled |
| **MW-12** | 12/11/20 | 3426.47 | 64.18 | ND | 56.52 | ND | NA | NA | NA | 3369.95 | Sampled |
| **MW-12** | 03/17/21 | 3426.47 | 64.18 | ND | 56.55 | ND | NA | NA | NA | 3369.92 | Sampled |
| **MW-12** | 06/22/21 | 3426.47 | 64.18 | ND | 56.75 | ND | NA | NA | NA | 3369.72 | Sampled |
| **MW-12** | 09/28/21 | 3426.47 | 64.18 | ND | 56.82 | ND | NA | NA | NA | 3369.65 | Sampled |
| **MW-12** | 12/09/21 | 3426.47 | 64.18 | ND | 56.95 | ND | NA | NA | NA | 3369.52 | Sampled |
| **MW-12** | 03/17/22 | 3426.47 | 64.18 | ND | 56.96 | ND | NA | NA | NA | 3369.51 | Sampled |
| **MW-12** | 06/28/22 | 3426.47 | 64.18 | ND | 57.15 | ND | NA | NA | NA | 3369.32 | Sampled |
| **MW-12** | 08/17/22 | 3426.47 | 64.95 | ND | 57.20 | ND | NA | NA | NA | 3369.27 | Sampled |
| **MW-12** | 09/14/22 | 3426.47 | 64.95 | ND | 57.25 | ND | NA | NA | NA | 3369.22 | Sampled |
| **MW-12** | 11/10/22 | 3426.47 | 64.95 | ND | 57.29 | ND | NA | NA | NA | 3369.18 | Sampled |

TABLE 2
2018 - 2023 HISTORICAL WELL SURVEY DATA AND GROUNDWATER ELEVATIONS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Date Measured | Top of Casing Elevation (fmsl) | Total Depth (ft) | Depth to Product (ft) | Depth to Water (ft) | PSH Thickness (ft) | Recovery Method | Recovery (ft) | | Corrected Groundwater Elevation (fmsl) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | PSH | $H_2O$ | | |
| **MW 13** | 03/09/18 | 3431.13 | 74.60 | ND | 60.24 | ND | NA | NA | NA | 3370.89 | Sampled |
| **MW 13** | 06/07/18 | 3431.13 | 74.60 | ND | 60.42 | ND | NA | NA | NA | 3370.71 | Sampled |
| **MW 13** | 11/30/18 | 3431.13 | 74.60 | ND | 60.67 | ND | NA | NA | NA | 3370.46 | Sampled |
| **MW 13** | 02/14/19 | 3431.13 | 74.60 | ND | 60.70 | ND | NA | NA | NA | 3370.43 | Sampled |
| **MW 13** | 05/14/19 | 3431.13 | 74.60 | ND | 60.72 | ND | NA | NA | NA | 3370.41 | Sampled |
| **MW 13** | 08/27/19 | 3431.13 | 74.60 | ND | 61.02 | ND | NA | NA | NA | 3370.11 | Sampled |
| **MW 13** | 11/19/19 | 3431.13 | 74.60 | ND | 60.82 | ND | NA | NA | NA | 3370.31 | Sampled |
| **MW 13** | 03/17/20 | 3431.13 | 74.60 | ND | 60.89 | ND | NA | NA | NA | 3370.24 | Sampled |
| **MW 13** | 06/18/20 | 3431.13 | 74.60 | ND | 60.94 | ND | NA | NA | NA | 3370.19 | Sampled |
| **MW 13** | 09/17/20 | 3431.13 | 74.60 | ND | 61.14 | ND | NA | NA | NA | 3369.99 | Sampled |
| **MW 13** | 12/11/20 | 3431.13 | 74.60 | ND | 61.16 | ND | NA | NA | NA | 3369.97 | Sampled |
| **MW 13** | 03/17/21 | 3431.13 | 74.60 | ND | 61.20 | ND | NA | NA | NA | 3369.93 | Sampled |
| **MW 13** | 06/22/21 | 3431.13 | 74.60 | ND | 61.34 | ND | NA | NA | NA | 3369.79 | Sampled |
| **MW 13** | 09/28/21 | 3431.13 | 74.60 | ND | 61.46 | ND | NA | NA | NA | 3369.67 | Sampled |
| **MW 13** | 12/09/21 | 3431.13 | 74.60 | ND | 61.60 | ND | NA | NA | NA | 3369.53 | Sampled |
| **MW 13** | 03/17/22 | 3431.13 | 74.60 | ND | 61.60 | ND | NA | NA | NA | 3369.53 | Sampled |
| **MW 13** | 06/28/22 | 3431.13 | 74.60 | ND | 61.78 | ND | NA | NA | NA | 3369.35 | Sampled |
| **MW 13** | 08/17/22 | 3431.13 | 74.60 | ND | 61.80 | ND | NA | NA | NA | 3369.33 | Sampled |
| **MW 13** | 09/14/22 | 3431.13 | 74.60 | ND | 61.86 | ND | NA | NA | NA | 3369.27 | Sampled |
| **MW 13** | 11/10/22 | 3431.13 | 74.60 | ND | 61.90 | ND | NA | NA | NA | 3369.23 | Sampled |

NA: Not applicable
ND: Not detected
NG: Not gauged

TABLE 3
2021-2023 GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Laboratory Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-1R | 03/17/21 | NS | NS | NS | NS | NS |
| MW-1R | 06/23/21 | L1370876-01 | **1.62** | 0.389 | 0.258 | 0.452 |
| MW-1R | 09/29/21 | NS | NS | NS | NS | NS |
| MW-1R | 12/10/21 | NS | NS | NS | NS | NS |
| MW-1R | 03/18/22 | NS | NS | NS | NS | NS |
| MW-1R | 06/29/22 | L13511070-01 | **1.48** | 0.488 | 0.402 | 0.608 |
| MW-1R | 11/11/22 | NS | NS | NS | NS | NS |
| MW-1R | 06/15/23 | L1627316-01 | **1.42** | 0.476 | 0.568 | **1.16** |
| MW-1R | 10/19/23 | NS | NS | NS | NS | NS |
| | | | | | | |
| MW-2 | 03/17/21 | NS | NS | NS | NS | NS |
| MW-2 | 06/23/21 | L1370876-02 | **0.117** | <0.01 | 0.673 | 0.516 |
| MW-2 | 09/29/21 | NS | NS | NS | NS | NS |
| MW-2 | 12/10/21 | NS | NS | NS | NS | NS |
| MW-2 | 03/18/22 | NS | NS | NS | NS | NS |
| MW-2 | 06/29/22 | L1511070-09 | **0.408** | <0.005 | 0.309 | 0.266 |
| MW-2 | 11/11/22 | NS | NS | NS | NS | NS |
| MW-2 | 06/15/23 | L1627316-02 | **0.541** | <0.00556 | **0.821** | **1.07** |
| MW-2 | 10/19/23 | NS | NS | NS | NS | NS |
| | | | | | | |
| MW-3 | 03/17/21 | L1329026-01 | 0.00119 | <0.001 | <0.001 | <0.003 |
| MW-3 | 06/23/21 | L1370876-03 | 0.00855 | <0.001 | 0.00103 | 0.0272 |
| MW-3 | 09/29/21 | L1411547-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 12/10/21 | L1441339-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 03/18/22 | L1473404-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 06/29/22 | L1511070-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 09/15/22 | L1537095-01 | <0.00100 | <0.00100 | <0.00100 | <0.00300 |
| MW-3 | 11/11/22 | L1557305-01 | 0.000113 J | <0.00100 | <0.00100 | <0.00300 |
| MW-3 | 03/03/23 | L1591761-01 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-3 | 06/15/23 | L1627316-03 | 0.000132 J | <0.000278 | <0.000137 | <0.000174 |
| MW-3 | 09/07/23 | L1654057-01 | 0.00136 | <0.000278 | 0.00110 | 0.00401 |
| MW-3 | 10/19/23 | L1669248-01 | 0.000149 J | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW-4 | 03/17/21 | NS | NS | NS | NS | NS |
| MW-4 | 06/23/21 | L1370876-04 | 0.00130 | <0.001 | 0.00387 | 0.00485 |
| MW-4 | 09/29/21 | NS | NS | NS | NS | NS |
| MW-4 | 12/10/21 | NS | NS | NS | NS | NS |
| MW-4 | 03/18/22 | NS | NS | NS | NS | NS |
| MW-4 | 06/02/22 | L1511070-03 | **0.010** | 0.0095 J | 0.0139 J | 0.0261 J |
| MW-4 | 11/11/22 | NS | NS | NS | NS | NS |
| MW-4 | 06/15/23 | L1627316-04 | 0.00166 | <0.000278 | 0.00328 | 0.00464 |
| MW-4 | 10/19/23 | NS | NS | NS | NS | NS |

TABLE 3
2021-2023 GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Laboratory Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-5 | 03/17/21 | L1329026-02 | <0.001 | <0.001 | 0.0115 | <0.003 |
| MW-5 | 06/23/21 | L1370876-05 | <0.001 J4 | <0.001 | 0.00981 | <0.003 |
| MW-5 | 09/29/21 | L1411547-02 | <0.001 | <0.001 | 0.00126 | <0.003 |
| MW-5 | 12/10/21 | L1441339-02 | <0.001 | <0.001 | 0.0111 | <0.003 |
| MW-5 | 03/18/22 | L1473404-02 | <0.001 | <0.001 | 0.00344 | <0.003 |
| MW-5 | 06/29/22 | I1511070-04 | <0.001 | <0.001 | 0.00344 | <0.003 |
| MW-5 | 09/15/22 | L1537095-02 | <0.001 | <0.001 | 0.000666 J | <0.003 |
| MW-5 | 11/11/22 | L1557305-02 | <0.001 | <0.001 | 0.0180 | <0.003 |
| MW-5 | 03/03/23 | L1591761-02 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-5 | 06/15/23 | L1627316-05 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-5 | 09/07/23 | L1654057-02 | <0.0000941 | <0.000278 | 0.000247 J | <0.000174 |
| MW-5 | 10/19/23 | L1669248-02 | 0.000106 J | <0.000278 | 0.000587 J | <0.000174 |
| | | | | | | |
| MW-6 | 03/17/21 | L1329026-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 06/22/21 | L1370876-06 | <0.001 J4 | <0.001 | <0.001 | <0.003 |
| MW-6 | 09/29/21 | L1411547-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 12/10/21 | L1441339-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 03/18/22 | L1473404-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 06/29/22 | I1511070-10 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 09/15/22 | L1537095-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 11/11/22 | L1557305-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 03/03/23 | L1591761-03 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-6 | 06/15/23 | L1627316-06 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-6 | 09/07/23 | L1654057-03 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-6 | 10/19/23 | L1669248-03 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW-7 | 03/17/21 | L1329026-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 06/23/21 | L1370876-07 | <0.001 J4 | <0.001 | <0.001 | <0.003 |
| MW-7 | 09/29/21 | L1411547-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 12/10/21 | L1441339-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 03/18/22 | L1473404-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 06/29/22 | L1511070-11 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 09/15/22 | L1537095-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 11/11/22 | L1627316 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 03/03/23 | L1591761-04 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-7 | 06/14/23 | L1627316-07 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-7 | 09/07/23 | L1654057-04 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-7 | 10/19/23 | L1669248-04 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW-8 | 03/17/21 | NS | NS | NS | NS | NS |
| MW-8 | 06/23/21 | L1370876-08 | **1.88** | 0.144 | **1.49** | **2.05** |
| MW-8 | 09/29/21 | NS | NS | NS | NS | NS |
| MW-8 | 12/10/21 | NS | NS | NS | NS | NS |
| MW-8 | 03/18/22 | NS | NS | NS | NS | NS |

TABLE 3
2021-2023 GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Laboratory Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-8 | 06/29/22 | L1511070-05 | **0.495** | 0.00427 J | **0.853** | **0.975** |
| MW-8 | 09/15/22 | NS | NS | NS | NS | NS |
| MW-8 | 11/11/22 | NS | NS | NS | NS | NS |
| MW-8 | 06/15/23 | L1627316-08 | **0.979 J** | <0.278 | **6.35** | **9.44** |
| MW-8 | 10/19/23 | NS | NS | NS | NS | NS |
| | | | | | | |
| MW-9 | 03/17/21 | NS | NS | NS | NS | NS |
| MW-9 | 06/23/21 | L1370876-09 | **0.0256** | <0.005 | 0.0370 | 0.0683 |
| MW-9 | 09/30/21 | NS | NS | NS | NS | NS |
| MW-9 | 12/10/21 | NS | NS | NS | NS | NS |
| MW-9 | 03/18/22 | NS | NS | NS | NS | NS |
| MW-9 | 06/29/22 | L1511070-06 | **0.0701** | 0.0127 | 0.213 | 0.335 |
| MW-9 | 09/15/22 | NS | NS | NS | NS | NS |
| MW-9 | 11/11/22 | NS | NS | NS | NS | NS |
| MW-9 | 06/15/23 | L1627316-09 | **0.0719** | 0.00312 J | 0.0688 | 0.107 |
| MW-9 | 10/19/23 | NS | NS | NS | NS | NS |
| | | | | | | |
| MW-10 | 03/17/21 | NS | NS | NS | NS | NS |
| MW-10 | 06/23/21 | L1370876-10 | **0.0172** | 0.0114 | 0.134 | 0.210 |
| MW-10 | 09/29/21 | NS | NS | NS | NS | NS |
| MW-10 | 12/10/21 | NS | NS | NS | NS | NS |
| MW-10 | 03/18/22 | NS | NS | NS | NS | NS |
| MW-10 | 06/29/22 | L1511070-07 | **0.0732** | 0.0554 | 0.246 | 0.371 |
| MW-10 | 09/15/22 | NS | NS | NS | NS | NS |
| MW-10 | 11/11/22 | NS | NS | NS | NS | NS |
| MW-10 | 06/15/23 | L1627316-10 | **0.252** | 0.0920 J | 0.548 | **0.783** |
| MW-10 | 10/19/23 | NS | NS | NS | NS | NS |
| | | | | | | |
| MW 11 | 03/17/21 | L1329026-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 06/23/21 | L1370876-11 | <0.001 J4 | <0.001 | <0.001 | <0.003 |
| MW 11 | 09/29/21 | L1411547-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 12/10/21 | L1441339-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 03/18/22 | NS | NS | NS | NS | NS |
| MW 11 | 06/29/22 | L1511070-12 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 09/15/22 | L1537095-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 11/11/22 | L1557305-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 06/14/23 | L1627316-11 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW 11 | 09/07/23 | L1654057-05 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW 11 | 10/19/23 | L1669248-05 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW 12 | 03/17/21 | L1329026-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 06/22/21 | L1370876-12 | <0.001 J4 | <0.001 | <0.001 | <0.003 |
| MW 12 | 09/29/21 | L1411547-06 | <0.001 | <0.001 | <0.001 | <0.003 |

TABLE 3
2021-2023 GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Laboratory Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | **0.010** | **0.750** | **0.750** | **0.620** |
| **MW 12** | 12/10/21 | L1441339-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 12** | 03/18/22 | NS | NS | NS | NS | NS |
| **MW 12** | 06/29/22 | L1511070-13 | 0.000106 J4 | <0.001 | <0.001 | <0.003 |
| **MW 12** | 09/15/22 | L1537095-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 12** | 11/11/22 | L1557305-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 12** | 06/14/23 | L1627316-12 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| **MW 12** | 09/07/23 | L1654057-06 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| **MW 12** | 10/19/23 | L1669248-06 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| **MW 13** | 03/17/21 | L1329026-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 06/22/21 | L1370876-13 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 09/29/21 | L1411547-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 12/10/21 | L1441339-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 03/18/22 | NS | NS | NS | NS | NS |
| **MW 13** | 06/28/22 | L1511070-14 | 0.000139 J | <0.001 | <0.001 | <0.003 |
| **MW 13** | 09/15/22 | L1537095-07 | 0.000184 J | <0.001 | <0.001 | <0.003 |
| **MW 13** | 11/11/22 | L1557305-07 | 0.000149 J | <0.001 | <0.001 | <0.003 |
| **MW 13** | 06/14/23 | L1627316-13 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| **MW 13** | 09/07/23 | L1654057-07 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| **MW 13** | 10/19/23 | L1669248-07 | 0.000105 J | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |

NMOCD: New Mexico Oil Conservation Division
Exceedences of NMOCD Remediation Criteria are shown in **bold**
[a] Result is from run #2
[b] Laboratory control spike recovery outside control limits, all reportable hits are considered to be an
J: Analyte detected below method detection limit (MDL) but above sample detection limit (SDL)
P: Dual Column results percent difference > 40%

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-1 | 05/24/12 | | **3.6** | **1.5** | **0.8** | **1.7** |
| MW-1 | 06/13/13 | | **1.6** | 0.34 | 0.55 | **1.1** |
| MW-1R | 06/05/14 | | **0.46** | 0.0580 | 0.065 | 0.051 |
| MW-1R | 06/17/15 | | **1.4** | 0.4800 | 0.230 | 0.380 |
| MW-1R | 05/19/16 | L837132-01 | **0.366** | 0.0594 | 0.0663 | 0.0553 |
| MW-1R | 05/16/17 | L910272-01 | **0.288** | 0.0676 | 0.0655 | 0.121 |
| MW-1R | 06/07/18 | L1000529-01 | **0.777** | 0.104 | 0.111 | 0.168 |
| MW-1R | 05/14/19 | L1099465-01 | **0.243** | 0.068 | 0.063 | 0.115 |
| MW-1R | 06/19/20 | L1231729-01 | **1.37** | **0.824** | 0.551 | **1.140** |
| MW-1R | 06/23/21 | L1370876-01 | **1.62** | 0.3890 | 0.2580 | 0.452 |
| MW-1R | 06/29/22 | L13511070-01 | **1.48** | 0.488 | 0.402 | 0.608 |
| MW-1R | 06/15/23 | L1627316-01 | **1.42** | 0.476 | 0.568 | **1.16** |
| | | | | | | |
| MW-2 | 06/03/11 | | **1.8** | 0.14 | 0.22 | 0.27 |
| MW-2 | 05/24/12 | | **1.9** | 0.061 | 0.41 | 0.4 |
| MW-2 | 06/13/13 | | **1.3** | 0.0400 | 0.35 | 0.39 |
| MW-2 | 06/05/14 | | **1.7** | 0.0480 J | 0.520 | 0.540 |
| MW-2 | 06/17/15 | | **1.1** | 0.0082 J | 0.250 | 0.240 |
| MW-2 | 05/19/16 | L837132-02 | **0.0311** | <0.005 | 0.0121 | 0.00644 |
| MW-2 | 05/16/17 | L910272-02 | **0.731** | 0.0143 | 0.194 | 0.207 |
| MW-2 | 06/07/18 | L1000529-02 | **1.01** | <0.02 | 0.333 | 0.349 |
| MW-2 | 05/14/19 | L1099465-02 | **1.01** | 0.00271 | 0.238 | 0.205 |
| MW-2 | 06/18/20 | L1231729-02 | **0.149** | <0.01 | 0.426 | 0.343 |
| MW-2 | 06/23/21 | L1370876-02 | **0.117** | <0.01 | 0.673 | 0.516 |
| MW-2 | 06/29/22 | L1511070-09 | **0.408** | <0.005 | 0.309 | 0.266 |
| MW-2 | 06/15/23 | L1627316-02 | **0.541** | <0.00556 | **0.821** | **1.07** |
| | | | | | | |
| MW-3 | 06/13/13 | | **0.17** | 0.0014 | <0.001 | 0.19 |
| MW-3 | 09/11/13 | | NS | NS | NS | NS |
| MW-3 | 12/13/13 | | NS | NS | NS | NS |
| MW-3 | 03/06/14 | | NS | NS | NS | NS |
| MW-3 | 06/06/14 | | <0.0010 | <0.0050 | <0.0010 | 0.002 J |
| MW-3 | 06/17/15 | | 0.004 | <0.0050 | <0.0010 | <0.003 |
| MW-3 | 05/19/16 | L837132-03 | <0.001 | <0.0050 | <0.0010 | <0.003 |
| MW-3 | 05/16/17 | L910272-03 | **0.214** | 0.000536 J | 0.00562 | 0.00586 |
| MW-3 | 06/07/18 | L1000529-14 | 0.00946 | <0.001 | <0.001 | <0.003 |
| MW-3 | 09/12/18 | L1025967-01 | 0.00540 | <0.001 | <0.001 | <0.003 |
| MW-3 | 11/30/18 | L1050021-08 | 0.00367 | <0.001 | 0.00123 | 0.00469 |
| MW-3 | 02/14/19 | L1071076-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 05/14/19 | L1099465-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 08/28/19 | L1134083-01 | 0.00464 | 0.0051 | <0.001 | <0.003 |
| MW-3 | 11/20/19 | L1163774-01 | <0.001 | <0.001 | <0.001 | <0.003 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-3 | 03/20/20 | L1201825-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 06/19/20 | L1231729-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 09/17/20 | L1264239-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 12/11/20 | L1296846-01 | **0.0159** | <0.001 | <0.001 | <0.003 |
| MW-3 | 03/17/21 | L1329026-01 | 0.00119 | <0.001 | <0.001 | <0.003 |
| MW-3 | 06/29/22 | L1511070-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 06/29/22 | L1511070-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 09/15/22 | L1537095-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 11/11/22 | L1557305-01 | 0.000113 J | <0.001 | <0.001 | <0.003 |
| MW-3 | 03/03/23 | L1591761-01 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-3 | 06/15/23 | L1627316-03 | 0.000132 J | <0.000278 | <0.000137 | <0.000174 |
| MW-3 | 09/07/23 | L1654057-01 | 0.00136 | <0.000278 | 0.00110 | 0.00401 |
| MW-3 | 10/19/23 | L1669248-01 | 0.000149 J | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW-4 | 06/03/11 | | **0.59** | 0.0018 | 0.26 | 0.16 |
| MW-4 | 05/24/12 | | **0.38** | <0.0050 | 0.250 | 0.076 |
| MW-4 | 06/13/13 | | **0.22** | 0.0280 | 0.098 | 0.097 |
| MW-4 | 06/05/14 | | **0.09** | 0.0370 J | 0.077 | 0.067 |
| MW-4 | 06/17/15 | | **0.068** | 0.0140 J | 0.058 | 0.041 |
| MW-4 | 05/19/16 | L837132-04 | 0.00314 | <0.005 | 0.0229 | 0.00451 |
| MW-4 | 05/16/17 | L910272-04 | **0.0367** | 0.00754 | 0.0622 | 0.0554 |
| MW-4 | 06/07/18 | L1000529-04 | 0.00943 | 0.00173 | 0.0256 | 0.0176 |
| MW-4 | 05/14/19 | L1099465-04 | **0.0101** | 0.00408 | 0.0168 | 0.0170 |
| MW-4 | 06/19/20 | L1231729-04 | **0.0245** | 0.0367 | 0.0361 | 0.0717 |
| MW-4 | 06/23/21 | L1370876-04 | 0.0013 | <0.001 | 0.00387 | 0.00485 |
| MW-4 | 06/02/22 | L1511070-03 | **0.010** | 0.0095 J | 0.0139 J | 0.0261 J |
| MW-4 | 06/15/23 | L1627316-04 | 0.00166 | <0.000278 | 0.00328 | 0.00464 |
| | | | | | | |
| MW-5 | 03/01/07 | | **0.1720** [a] | 0.0062 | 0.1380 | 0.0900 |
| MW-5 | 06/01/07 | | **0.1210** | 0.0101 | 0.1030 | 0.0608 |
| MW-5 | 09/06/07 | | **0.0477** | 0.0113 | 0.0523 | 0.0335 |
| MW-5 | 11/13/07 | | **0.0775** | 0.0285 | 0.0906 | 0.0531 |
| MW-5 | 02/26/08 | | 0.00097 J | <0.00023 | 0.0031 | <0.00055 |
| MW-5 | 05/29/08 | | **0.05730** | 0.0134 | 0.0804 | 0.0625 |
| MW-5 | 08/18/08 | | **0.01010** | 0.0039 | 0.0349 | 0.0194 |
| MW-5 | 11/20/08 | | **0.0290** | 0.00670 | 0.0827 | 0.0307 |
| MW-5 | 02/18/09 | | **0.0256** | 0.00220 | 0.1090 | 0.0403 |
| MW-5 | 05/20/09 | | **0.0131** | 0.00150 | 0.0589 | 0.02430 [b] |
| MW-5 | 08/27/09 | | 0.0073 | <0.000188 | 0.0452 | 0.01360 |
| MW-5 | 11/17/09 | | 0.00600 | 0.000500 J | 0.0408 | 0.0157 |
| MW-5 | 02/11/10 | | 0.00770 | <0.000208 | 0.0596 | 0.0225 |
| MW-5 | 05/12/10 | | **0.013** | 0.001700 | 0.0880 | 0.0420 |
| MW-5 | 08/26/10 | | 0.0026 | <0.00020 | 0.0340 | 0.011 |
| MW-5 | 11/18/10 | | 0.0043 | <0.0002 | 0.0570 | 0.021 |

TABLE 4
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Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
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| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-5 | 02/24/11 | | 0.002 | <0.0010 | 0.0370 | 0.015 |
| MW-5 | 06/03/11 | | 0.0011 | <0.0010 | 0.0071 | 0.022 |
| MW-5 | 08/29/11 | | 0.0019 | 0.0036 P | 0.068 | 0.029 |
| MW-5 | 11/29/11 | | <0.0010 | 0.0023 | 0.074 | 0.028 |
| MW-5 | 02/23/12 | | 0.0014 | 0.0046 | 0.076 | 0.038 |
| MW-5 | 05/24/12 | | 0.0026 | 0.0032 | 0.140 | 0.065 |
| MW-5 | 09/12/12 | | 0.0013 | 0.0025 | 0.097 | 0.043 |
| MW-5 | 11/19/12 | | 0.0011 | <0.001 | 0.056 | 0.014 |
| MW-5 | 02/28/13 | | 0.0004 J | 0.0028 J | 0.076 | 0.032 |
| MW-5 | 06/13/13 | | <0.001 | <0.005 | 0.024 | 0.0063 |
| MW-5 | 09/11/13 | | 0.00043 **J** | 0.00088 J | 0.084 | 0.026 |
| MW-5 | 12/13/13 | | 0.0013 | <0.005 | 0.032 | 0.0064 |
| MW-5 | 03/06/14 | | <0.0010 | 0.0013 J | 0.083 | 0.0240 |
| MW-5 | 06/05/14 | | <0.0010 | <0.0050 | 0.012 | 0.0026 J |
| MW-5 | 09/18/14 | | <0.0010 | <0.0050 | <0.0010 | <0.0030 |
| MW-5 | 11/18/14 | | <0.0010 | <0.0050 | **0.14** | 0.0280 |
| MW-5 | 02/24/15 | | <0.0010 | <0.0050 | **0.07** J6 | 0.0130 |
| MW-5 | 06/17/15 | | <0.0010 | <0.0050 | **0.014** | 0.0021 J |
| MW-5 | 08/28/15 | | 0.000379 **J** | <0.0050 | **0.259** | 0.0499 |
| MW-5 | 11/18/15 | | <0.001 | <0.0050 | **0.0476** | 0.00753 |
| MW-5 | 03/09/16 | L822592-01 | <0.001 | <0.005 | 0.0107 | 0.00165 J |
| MW-5 | 05/19/16 | L837132-05 | <0.001 | <0.005 | 0.223 | 0.0253 |
| MW-5 | 09/21/16 | L861612-01 | <0.001 | <0.005 | 0.0307 | 0.00359 |
| MW-5 | 12/15/16 | L879655-01 | <0.001 | <0.005 | 0.0223 | 0.00339 |
| MW-5 | 03/02/17 | L893635-01 | <0.001 | <0.001 | 0.0608 | 0.00809 |
| MW-5 | 05/16/17 | L910272-05 | <0.001 | <0.001 | 0.0292 | 0.00299 J |
| MW-5 | 09/12/17 | L936462-01 | <0.001 | <0.001 | 0.0266 | <0.003 |
| MW-5 | 11/29/17 | L954391-01 | <0.001 | <0.001 | 0.0468 | 0.0033 |
| MW-5 | 03/09/18 | L976575-01 | <0.001 | <0.001 | 0.0215 | 0.00809 |
| MW-5 | 06/07/18 | L1000529-05 | <0.001 | <0.001 | 0.0496 | 0.00321 |
| MW-5 | 09/12/18 | L1025967-02 | <0.001 | <0.001 | 0.0410 | <0.003 |
| MW-5 | 11/30/18 | L1050021-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-5 | 02/14/19 | L1071076-02 | <0.001 | <0.001 | 0.0791 | 0.00391 |
| MW-5 | 05/14/19 | L1099465-05 | <0.001 | <0.001 | 0.0459 | <0.003 |
| MW-5 | 08/28/19 | L1134083-02 | 0.00177 | <0.001 | <0.001 | <0.003 |
| MW-5 | 11/20/19 | L1163774-02 | <0.001 | <0.001 | 0.00857 | <0.003 |
| MW-5 | 03/20/20 | L1201825-02 | <0.001 | <0.001 | 0.00531 | <0.003 |
| MW-5 | 06/19/20 | L1231729-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-5 | 09/17/20 | L1264239-02 | <0.001 | <0.001 | 0.0321 | <0.003 |
| MW-5 | 12/11/20 | L1296846-02 | <0.001 | <0.001 | 0.189 | 0.00771 |
| MW-5 | 03/17/21 | L1329026-02 | <0.001 | <0.001 | 0.012 | <0.003 |
| MW-5 | 06/23/21 | L1370876-05 | <0.001 J4 | <0.001 | 0.00981 | <0.003 |
| MW-5 | 06/29/22 | l1511070-04 | <0.001 | <0.001 | 0.00344 | <0.003 |
| MW-5 | 09/15/22 | L1537095-02 | <0.001 | <0.001 | 0.000666 J | <0.003 |

TABLE 4
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Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-5 | 11/11/22 | L1557305-02 | <0.001 | <0.001 | 0.0180 | <0.003 |
| MW-5 | 03/03/23 | L1591761-02 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-5 | 06/15/23 | L1627316-05 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-5 | 09/07/23 | L1654057-02 | <0.0000941 | <0.000278 | 0.000247 J | <0.000174 |
| MW-5 | 10/19/23 | L1669248-02 | 0.000106 J | <0.000278 | 0.000587 J | <0.000174 |
| | | | | | | |
| MW-6 | 03/01/07 | | <0.00035 | <0.00020 | <0.00033 | <0.00036 |
| MW-6 | 06/01/07 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW-6 | 09/06/07 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW-6 | 11/13/07 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| MW-6 | 02/26/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW-6 | 05/29/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW-6 | 08/18/08 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| MW-6 | 11/20/08 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| MW-6 | 02/18/09 | | <0.00100 | <0.00100 | 0.0019 | <0.00100 |
| MW-6 | 05/20/09 | | <0.000149 | <0.000188 | <0.000178 | <0.000163 |
| MW-6 | 08/27/09 | | <0.000149 | <0.000188 | <0.000178 | <0.000163 |
| MW-6 | 11/17/09 | | <0.000133 | <0.000281 | <0.000535 | <0.000960 |
| MW-6 | 02/11/10 | | <0.000208 | <0.000208 | <0.000303 | <0.000326 |
| MW-6 | 05/12/10 | | <0.00020 | <0.00020 | 0.00039 J | <0.00070 |
| MW-6 | 08/26/10 | | <0.00020 | <0.00020 | <0.00020 | <0.00070 |
| MW-6 | 11/18/10 | | <0.00020 | <0.00020 | <0.00020 | <0.00070 |
| MW-6 | 02/24/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 06/03/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 08/29/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 11/29/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 02/23/12 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 05/24/12 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 09/12/12 | | 0.00056 J | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 11/19/12 | | <0.001 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 02/28/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW-6 | 06/13/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW-6 | 09/11/13 | | <0.001 | <0.005 | 0.00046 J | <0.0030 |
| MW-6 | 12/13/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW-6 | 03/06/14 | | <0.001 | <0.005 | 0.0005 J | <0.0030 |
| MW-6 | 06/05/14 | | <0.001 | <0.005 | <0.0005 | <0.0030 |
| MW-6 | 09/18/14 | | <0.001 | <0.005 | <0.0005 | <0.0030 |
| MW-6 | 11/18/14 | | <0.001 | <0.005 | 0.0006 J | <0.0030 |
| MW-6 | 02/24/15 | | <0.001 | <0.005 | <0.005 | <0.0030 |
| MW-6 | 06/17/15 | | <0.001 | <0.005 | <0.005 | <0.0030 |
| MW-6 | 08/28/15 | | <0.001 | <0.005 | <0.001 | <0.003 |
| MW-6 | 11/18/15 | | <0.001 | <0.005 | <0.001 | <0.003 |
| MW-6 | 03/09/16 | L822592-02 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW-6 | 05/19/16 | L837132-06 | <0.001 | <0.005 | <0.001 | <0.0030 |

TABLE 4
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Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-6 | 09/21/16 | L861612-02 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW-6 | 12/15/16 | L879655-02 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW-6 | 03/02/17 | L893635-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 05/15/17 | L910272-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 09/12/17 | L936462-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 11/29/17 | L954391-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 03/09/18 | L976575-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 06/07/18 | L1000529-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 09/12/18 | L1025967-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 11/30/18 | L1050021-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 02/14/19 | L1071076-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 05/14/19 | L1099465-06 | <0.001 | 0.00183 | <0.001 | <0.003 |
| MW-6 | 08/28/19 | L1134083-03 | <0.001 | <0.001 | 0.00305 | <0.003 |
| MW-6 | 11/20/19 | L1163774-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 03/20/20 | L1201825-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 06/18/20 | L1231729-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 09/17/20 | L1264239-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 12/11/20 | L1296846-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 03/17/21 | L1329026-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 06/23/21 | L1370876-06 | <0.001 J4 | <0.001 | 0.00981 | <0.003 |
| MW-6 | 06/29/22 | l1511070-10 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 09/15/22 | L1537095-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 11/11/22 | L1557305-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 03/03/23 | L1591761-03 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-6 | 06/15/23 | L1627316-05 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-6 | 09/07/23 | L1654057-03 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-6 | 10/19/23 | L1669248-03 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW 7 | 03/01/07 | | <0.00035 | <0.00020 | <0.00033 | <0.00036 |
| MW 7 | 06/01/07 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 7 | 09/06/07 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 7 | 11/13/07 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| MW 7 | 02/26/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 7 | 05/29/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 7 | 08/18/08 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| MW 7 | 11/20/08 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| MW 7 | 02/18/09 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| MW 7 | 05/20/09 | | <0.000149 | <0.000188 | <0.000178 | <0.000163 |
| MW 7 | 08/27/09 | | 0.0008 J | <0.000188 | <0.000178 | 0.0014 |
| MW 7 | 11/17/09 | | 0.0031 | <0.000281 | <0.000535 | 0.0039 |
| MW 7 | 02/11/10 | | 0.0026 | <0.000208 | <0.000303 | 0.0030 |
| MW 7 | 05/12/10 | | 0.0030 | <0.00020 | <0.00020 | 0.0025 J |
| MW 7 | 08/26/10 | | 0.0052 | <0.00020 | <0.00020 | 0.0033 |
| MW 7 | 11/18/10 | | 0.0020 | <0.00020 | <0.00020 | <0.0007 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW 7 | 02/24/11 | | 0.0032 | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 06/03/11 | | 0.0014 | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 08/29/11 | | 0.0090 | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 11/29/11 | | **0.0110** | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 02/23/12 | | 0.0070 | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 05/24/12 | | **0.014** | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 09/12/12 | | **0.018** | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 11/19/12 | | <0.001 | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 02/28/13 | | NS | NS | NS | NS |
| MW 7 | 06/13/13 | | 0.0027 | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 09/11/13 | | 0.0046 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 12/13/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 03/06/14 | | 0.0025 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 06/05/14 | | 0.0050 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 09/18/14 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 11/18/14 | | 0.0070 | <0.005 | 0.0004 J | <0.0030 |
| MW 7 | 02/24/15 | | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 7 | 06/17/15 | | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 7 | 08/28/15 | | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 7 | 11/18/15 | | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 7 | 03/09/16 | L822592-03 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 05/19/16 | L837132-07 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 09/21/16 | L861612-03 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 12/15/16 | L879655-03 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 03/02/17 | L893635-03 | 0.000737 J | <0.001 | <0.001 | <0.003 |
| MW 7 | 05/15/17 | L910272-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 09/12/17 | L936462-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 11/29/17 | L954391-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 03/09/18 | L976575-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 06/07/18 | L1000529-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 09/12/18 | L1025967-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 11/30/18 | L1050021-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 02/14/19 | L1071076-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 05/14/19 | L1099465-07 | <0.001 | 0.00203 | <0.001 | <0.003 |
| MW 7 | 08/28/19 | L1134083-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 11/20/19 | L1163774-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 03/20/20 | L1201825-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 06/18/20 | L1231729-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 09/17/20 | L1264239-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 12/11/20 | L1296846-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 03/17/21 | L1329026-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 06/23/21 | L1370876-07 | <0.001 J4 | <0.001 | 0.00981 | <0.003 |
| MW-7 | 06/29/22 | L1511070-11 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 09/15/22 | L1537095-04 | <0.001 | <0.001 | <0.001 | <0.003 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-7 | 11/11/22 | L1557305-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 03/03/23 | L1591761-04 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-7 | 06/14/23 | L1627316-07 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-7 | 09/07/23 | L1654057-04 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-7 | 10/19/23 | L1669248-04 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW-8 | 06/03/11 | | **3.9** | 0.014 P | 0.49 | 0.59 |
| MW-8 | 05/24/12 | | **3.7** | <0.05 | 0.49 | 0.39 |
| MW-8 | 06/13/13 | | **1.3** | 0.41 | 0.56 | **1.1** |
| MW-8 | 06/05/14 | | **1.9** | 0.4200 | 0.670 | **1.400** |
| MW-8 | 06/17/15 | | **2** | 0.1700 | 0.630 | **0.780** |
| MW-8 | 05/19/16 | L837132-08 | **0.926** | 0.0277 J | 0.371 | 0.331 |
| MW-8 | 05/16/17 | L910272-08 | **0.384** | 0.0380 | 0.376 | 0.458 |
| MW-8 | 06/07/18 | L1000529-08 | **0.396** | 0.0745 | 0.486 | **0.652** |
| MW-8 | 11/30/18 | L1050021-04 | **0.456** | 0.1230 | 0.546 | **0.810** |
| MW-8 | 05/14/19 | L1099465-08 | **0.324** | 0.0494 | 0.274 | 0.397 |
| MW-8 | 06/19/20 | L1231729-08 | **1.26** | 0.141 | 0.716 | **0.967** |
| MW-8 | 06/23/21 | L1370876-08 | **1.88** | 0.1440 | **1.49** | **2.05** |
| MW-8 | 06/29/22 | L1511070-05 | **0.495** | 0.00427 J | **0.853** | **0.975** |
| MW-8 | 06/15/23 | L1627316-08 | **0.979 J** | <0.278 | **6.35** | **9.44** |
| | | | | | | |
| MW-9 | 06/03/11 | | **1.2** | 0.53 | 0.27 | 0.51 |
| MW-9 | 05/24/12 | | **6.0** | **3.0** | **1.1** | **2.2** |
| MW-9 | 06/13/13 | | **3.0** | 0.25 | 0.32 | 0.54 |
| MW-9 | 06/05/14 | | **0.14** | 0.0640 | 0.017 | 0.061 |
| MW-9 | 06/17/15 | | **0.87** | 0.2900 | 0.180 | 0.340 |
| MW-9 | 05/19/16 | L837132-09 | **0.206** | 0.0986 J | 0.05 | 0.104 |
| MW-9 | 05/16/17 | L910272-09 | **0.758** | 0.330 | 0.151 | 0.294 |
| MW-9 | 06/07/18 | L1000529-09 | **0.372** | 0.0992 | 0.115 | 0.211 |
| MW-9 | 05/14/19 | L1099465-09 | **0.0513** | <0.02 | 0.167 | 0.265 |
| MW-9 | 06/19/20 | L1231729-09 | **0.0539** | <0.005 | 0.186 | 0.245 |
| MW-9 | 06/23/21 | L1370876-09 | **0.0256** | <0.005 | 0.0370 | 0.0683 |
| MW-9 | 06/29/22 | L1511070-06 | **0.0701** | 0.0127 | 0.213 | 0.335 |
| MW-9 | 06/15/23 | L1627316-09 | **0.0719** | 0.00312 J | 0.0688 | 0.107 |
| | | | | | | |
| MW-10 | 06/03/11 | | **0.54** | 0.11 | 0.1 | 0.15 |
| MW-10 | 05/24/12 | | **0.28** | 0.0083 | 0.059 | 0.057 |
| MW-10 | 06/13/13 | | **0.63** | <0.005 | 0.067 | 0.097 |
| MW-10 | 06/05/14 | | **0.14** | 0.0240 J | 0.056 | 0.065 |
| MW-10 | 06/17/15 | | **0.19** | 0.0220 J | 0.096 | 0.150 |
| MW-10 | 05/19/16 | L837132-10 | **0.0192** | 0.000840 J | 0.00465 | 0.00301 |
| MW-10 | 05/16/17 | L910272-10 | **0.0635** | 0.00628 | 0.0643 | 0.0737 |
| MW-10 | 06/07/18 | L1000529-10 | **0.0144** | <0.001 | 0.0270 | 0.0556 |
| MW-10 | 05/14/19 | L1099465-10 | **0.0146** | 0.00177 | 0.0387 | 0.0594 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| **MW-10** | 06/19/20 | L1231729-10 | 0.00313 | <0.001 | 0.00640 | 0.00430 |
| **MW-10** | 09/17/20 | L1264239-05 | **0.0124** | <0.001 | 0.00283 | <0.003 |
| **MW-10** | 06/23/21 | L1370876-10 | **0.0172** | 0.0114 | 0.134 | 0.210 |
| **MW-10** | 06/29/22 | L1511070-07 | **0.0732** | 0.0554 | 0.246 | 0.371 |
| **MW-10** | 06/15/23 | L1627316-10 | **0.252** | 0.0920 J | 0.548 | **0.783** |
| | | | | | | |
| **MW 11** | 11/13/07 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| **MW 11** | 02/26/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| **MW 11** | 05/29/08 | | <0.00021 | 0.0003 J | <0.00035 | <0.00055 |
| **MW 11** | 08/18/08 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| **MW 11** | 11/20/08 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| **MW 11** | 02/18/09 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| **MW 11** | 05/20/09 | | <0.000149 | <0.000188 | <0.000178 | <0.000163 |
| **MW 11** | 08/27/09 | | <0.000149 | <0.000188 | <0.000178 | <0.000163 |
| **MW 11** | 11/17/09 | | <0.000133 | <0.000281 | <0.000535 | <0.000960 |
| **MW 11** | 02/11/10 | | <0.000208 | <0.000208 | <0.000303 | <0.000326 |
| **MW 11** | 05/12/10 | | 0.00027 J | <0.00020 | <0.00020 | <0.00070 |
| **MW 11** | 08/26/10 | | <0.00020 | <0.00020 | <0.00020 | <0.00070 |
| **MW 11** | 11/18/10 | | <0.00020 | <0.00020 | <0.00020 | <0.00070 |
| **MW 11** | 02/24/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 06/03/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 08/29/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 11/29/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 02/23/12 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 05/24/12 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 09/12/12 | | 0.0015 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 11/19/12 | | <0.001 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 02/28/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 06/13/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 09/11/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 12/13/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 03/06/14 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 06/05/14 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 09/18/14 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 11/18/14 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 02/24/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 06/17/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 08/28/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 11/18/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 03/09/16 | L822592-04 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 05/19/16 | L837132-11 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 09/21/16 | L861612-04 | <0.001 | <0.005 | 0.000595 J | <0.0030 |
| **MW 11** | 12/15/16 | L879655-04 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 03/02/17 | L893635-04 | <0.001 | <0.001 | <0.001 | <0.003 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW 11 | 05/15/17 | L910272-11 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 09/12/17 | L936462-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 11/29/17 | L954391-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 03/09/18 | L976575-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 06/07/18 | L1000529-11 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 09/12/18 | L1025967-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 11/30/18 | L1050021-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 02/14/19 | L1071076-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 05/14/19 | L1099465-11 | <0.001 | 0.00216 | <0.001 | <0.003 |
| MW 11 | 08/28/19 | L1134083-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 11/20/19 | L1163774-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 03/20/20 | L1201825-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 06/19/20 | L1231729-11 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 09/17/20 | L1264239-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 12/11/20 | L1296846-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 03/17/21 | L1329026-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 06/23/21 | L1370876-11 | <0.001 J4 | <0.001 | <0.001 | <0.003 |
| MW 11 | 06/29/22 | L1511070-12 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 09/15/22 | L1537095-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 11/11/22 | L1557305-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 06/14/23 | L1627316-11 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW 11 | 09/07/23 | L1654057-05 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW 11 | 10/19/23 | L1669248-05 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW 12 | 03/01/07 | | <0.00035 | <0.00020 | <0.00033 | <0.00036 |
| MW 12 | 06/01/07 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 12 | 09/06/07 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 12 | 11/13/07 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| MW 12 | 02/26/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 12 | 05/29/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 12 | 08/18/08 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| MW 12 | 11/20/08 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| MW 12 | 02/18/09 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| MW 12 | 05/20/09 | | **0.0171** | <0.000188 | <0.000178 | 0.0019 |
| MW 12 | 08/27/09 | | **0.0281** | <0.00094 | <0.00089 | <0.000815 |
| MW 12 | 11/17/09 | | **0.0359** | <0.000281 | <0.000535 | <0.000960 |
| MW 12 | 02/11/10 | | <0.000208 | <0.000208 | <0.000303 | <0.000326 |
| MW 12 | 05/12/10 | | **0.48** | <0.00020 | <0.00020 | <0.00070 |
| MW 12 | 08/26/10 | | **0.23** | <0.00020 | <0.00020 | <0.00070 |
| MW 12 | 11/18/10 | | **0.17** | <0.00020 | <0.00020 | 0.0060 |
| MW 12 | 02/24/11 | | **0.88** | <0.0010 | <0.0010 | 0.039 |
| MW 12 | 06/03/11 | | **0.20** | <0.0010 | <0.0010 | 0.013 |
| MW 12 | 08/29/11 | | **0.25** | <0.0010 | <0.0010 | 0.033 |
| MW 12 | 11/29/11 | | **0.36** | <0.0010 | <0.0010 | 0.021 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW 12 | 02/23/12 | | **0.32** | <0.0050 | <0.0050 | 0.025 |
| MW 12 | 05/24/12 | | **0.32** | <0.0050 | <0.0050 | 0.030 |
| MW 12 | 09/12/12 | | **0.25** | <0.0010 | <0.0010 | 0.023 |
| MW 12 | 11/19/12 | | 0.0022 | <0.0010 | <0.0010 | <0.0030 |
| MW 12 | 02/28/13 | | 0.0029 | <0.005 | 0.0006 J | <0.003 |
| MW 12 | 06/13/13 | | 0.0069 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 09/11/13 | | 0.0031 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 12/13/13 | | 0.0022 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 03/06/14 | | 0.0015 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 06/05/14 | | 0.0013 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 09/18/14 | | 0.00051 J | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 11/18/14 | | 0.0012 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 02/24/15 | | 0.00036 J | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 06/17/15 | | 0.0011 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 08/28/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 11/18/15 | | 0.00555 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 03/09/16 | L822592-05 | 0.000683 J | <0.005 | <0.001 | <0.0030 |
| MW 12 | 05/19/16 | L837132-12 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 12 | 09/21/16 | L861612-05 | 0.000632 J | <0.005 | <0.001 | <0.0030 |
| MW 12 | 12/15/16 | L879655-05 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 12 | 03/02/17 | L893635-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 05/15/17 | L910272-12 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 09/12/17 | L936462-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 11/29/17 | L954391-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 03/09/18 | L976575-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 06/07/18 | L1000529-12 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 09/12/18 | L1025967-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 11/30/18 | L1050021-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 02/14/19 | L1071076-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 05/14/19 | L1099465-12 | <0.001 | 0.00166 | <0.001 | <0.003 |
| MW 12 | 08/28/19 | L1134083-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 11/20/19 | L1163774-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 03/20/20 | L1201825-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 06/18/20 | L1231729-12 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 09/17/20 | L1264239-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 12/11/20 | L1296846-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 03/17/21 | L1329026-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 06/23/21 | L1370876-12 | <0.001 J4 | <0.001 | <0.001 | <0.003 |
| MW 12 | 06/29/22 | L1511070-13 | 0.000106 J4 | <0.001 | <0.001 | <0.003 |
| MW 12 | 09/15/22 | L1537095-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 11/11/22 | L1557305-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 06/14/23 | L1627316-12 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW 12 | 09/07/23 | L1654057-06 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW 12 | 10/19/23 | L1669248-06 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW 13 | 11/20/08 | | **1.51** | <0.0100 | <0.0100 | 0.126 |
| MW 13 | 02/18/09 | | **0.923** | <0.00100 | <0.00100 | 0.0456 |
| MW 13 | 05/20/09 | | **1.56** | <0.00562 | <0.0107 | 0.1190 |
| MW 13 | 08/27/09 | | **2.73** | <0.0166 | <0.0115 | 0.1770 |
| MW 13 | 11/17/09 | | **2.52** | <0.00664 | <0.00460 | 0.112 |
| MW 13 | 02/11/10 | | **2.60** | <0.00400 | <0.00430 | 0.099 |
| MW 13 | 05/12/10 | | **2.00** | 0.00066 J | 0.0010 | 0.075 |
| MW 13 | 08/26/10 | | **0.96** | <0.00020 | <0.00020 | 0.069 |
| MW 13 | 11/18/10 | | **1.10** | <0.00020 | <0.00020 | 0.0440 |
| MW 13 | 02/24/11 | | **0.72** | <0.0010 | <0.0010 | 0.045 |
| MW 13 | 06/03/11 | | **0.32** | <0.0010 | <0.0010 | 0.020 |
| MW 13 | 08/29/11 | | **0.11** | <0.0010 | <0.0010 | 0.0086 P |
| MW 13 | 11/29/11 | | **0.25** | <0.0010 | <0.0010 | 0.005 |
| MW 13 | 02/23/12 | | **0.66** | <0.0050 | <0.0050 | <0.015 |
| MW 13 | 05/24/12 | | **0.81** | <0.0050 | <0.0050 | <0.015 |
| MW 13 | 09/12/12 | | **0.63** | <0.0050 | <0.0050 | 0.036 J |
| MW 13 | 11/19/12 | | **0.10** | <0.0010 | <0.0010 | <0.0030 |
| MW 13 | 02/28/13 | | **0.20** | <0.005 | 0.00039 J | 0.0014 J |
| MW 13 | 06/13/13 | | **0.41** | <0.005 | 0.00055 J | 0.0079 |
| MW 13 | 09/11/13 | | **0.052** | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 12/13/13 | | 0.00093 J | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 03/06/14 | | 0.0034 | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 06/05/14 | | 0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 09/18/14 | | 0.00084 J | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 11/18/14 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 02/24/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 06/17/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 08/28/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 11/18/15 | | 0.000412 J | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 03/09/16 | L822592-06 | 0.000555 J | <0.005 | <0.001 | <0.0030 |
| MW 13 | 05/19/16 | L837132-13 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 13 | 09/21/16 | L861612-06 | 0.000367 J | <0.005 | <0.001 | <0.0030 |
| MW 13 | 12/15/16 | L879655-06 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 13 | 03/02/17 | L893635-06 | 0.000603 J | <0.001 | <0.001 | <0.0030 |
| MW 13 | 05/16/17 | L910272-13 | <0.001 | <0.001 | 0.000540 J | <0.003 |
| MW 13 | 09/12/17 | L936462-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 13 | 11/29/17 | L954391-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 13 | 03/09/18 | L976575-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 13 | 06/07/18 | L1000529-13 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 13 | 09/12/18 | L1025967-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 13 | 11/30/18 | L1050021-07 | <0.001 | <0.001 | <0.001 | <0.003 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | **0.010** | **0.750** | **0.750** | **0.620** |
| **MW 13** | 02/14/19 | L1071076-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 05/14/19 | L1099465-13 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 08/28/19 | L1134083-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 11/20/19 | L1163774-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 03/20/20 | L1201825-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 06/18/20 | L1231729-13 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 09/17/20 | L1264239-08 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 12/11/20 | L1296846-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 03/17/21 | L1329026-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 06/23/21 | L1370876-13 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 06/28/22 | L1511070-14 | 0.000139 J | <0.001 | <0.001 | <0.003 |
| **MW 13** | 09/15/22 | L1537095-07 | 0.000184 J | <0.001 | <0.001 | <0.003 |
| **MW 13** | 11/11/22 | L1557305-07 | 0.000149 J | <0.001 | <0.001 | <0.003 |
| **MW 13** | 06/14/23 | L1627316-13 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| **MW 13** | 09/07/23 | L1654057-07 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| **MW 13** | 10/19/23 | L1669248-07 | 0.000105 J | <0.000278 | <0.000137 | <0.000174 |

NMOCD: New Mexico Oil Conservation Division
Exceedences of NMOCD Remediation Criteria are shown in **bold**
[a] Result is from run #2
[b] Laboratory control spike recovery outside control limits, all reportable hits are considered to be an
J: Analyte detected below method detection limit (MDL) but above sample detection limit (SDL)
P: Dual Column results percent difference > 40%

Table 5
PAH GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Monitoring Well | Sample Date | Lab ID | Napthalene | Acenaphthylene | Acenapthene | Fluorene | Phenanthrene | Anthracene | Fluoranthene | Pyrene | Benzo(a)-anthracene | Chrysene | Benzo (b)-fluoranthene | Benzo (k) fluoranthene | benzo(a) pyrene | Indeno(1,2,3-cd)pyrene | Dibenzofuran | Dibenz(a,h)-anthracene | Benzo(g,h,i)=perylene | 1-Methylnaphthalene | 2-Methylnaphthalene | Total Methylnaphthalene | TPH-GRO (C6-C10) | TPH (C10-C28) | TPH (C28-C35) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NMOCD Target Level 30 ug/L | | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| Other regulatory limits (Tap Water) * | | | 30 | | 365 | 243 | 1100 | 1830 | 1460 | 183 | 0.91 | 29.1 | 0.91 | 9.1 | 0.7** | 0.91 | | 0.091 | | | | *** | | | |
| MW-1 | 5/24/2012 | 12051184-01 | **737** | 22.9 | 22.1 | 59.6 | 197 | 22.1 | 6.81 | 2.25 | <1.90 | 25 | <1.90 | <1.90 | <1.90 | <1.90 | | <1.90 | <1.90 | | | | | | |
| MW-1 | 6/13/2013 | L641641-01 | **82** | 1.2 | 3.6 | 6.4 | 14 | 1.9 | 0.43 | 1.2 | 0.14 | 0.36 | <0.050 | <0.050 | <0.050 | <0.050 | 8.7 | <0.050 | <0.050 | 90 | 92 | | | | |
| MW-1 | 6/5/2014 | L703462-01 | 6.6 | 0.071 | 1.8 | 0.51 | 0.63 | <0.050 | <0.050 | 0.000018 | <0.050 | 0.000013 | <0.050 | <0.050 | <0.050 | <0.050 | 0.0009 | <0.050 | <0.050 | 0.01 | 0.0073 | 0.0173 | | | |
| MW-1R | 6/17/2015 | L772306-01 | **46** | 0.14 | 0.26 | 0.86 | 1 | 0.1 | <0.050 | 0.052 | 0.051 | 0.024 J | 0.01 J | <0.050 | 0.013 J | <0.050 | 0.0014 | <0.050 | 0.05 J | 0.015 | 0.014 | 0.029 | | | |
| MW-1R | 5/19/2016 | L837132-01 | 3.41 | 0.0486 J | 0.0834 | 0.266 | 0.275 | 0.0167 J | <0.050 | <0.050 | 0.0101 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.517 | <0.050 | <0.050 | 3.24 | 1.97 | 5.21 | | | |
| MW-1R | 5/16/2017 | L910272-01 | 14.4 | 0.181 | 0.229 | 1.2 | 2.01 | 0.17 | <0.050 | 0.0525 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 1.76 | <0.050 | 0.00909 BJ | 18.9 | 18 | 36.9 | | | |
| MW-1R | 6/7/2018 | L1000529-01 | 21.5 | <0.050 | 0.377 | 0.941 | 1.27 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.167 | <0.050 | <0.050 | 19.9 | 17.9 | 37.8 | | | |
| MW-1R | 5/14/2019 | L1099465-01 | 5.55 | <0.050 | 0.148 | 0.523 | 0.427 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.777 | <0.050 | <0.050 | 4.82 | 4.14 | 8.96 | | | |
| MW-1R | 6/19/2020 | L1231729-01 | **43.9** | 0.237 | 0.366 | 1.04 | 1.4 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 1.82 | <0.050 | <0.050 | 30.7 | 29.6 | 60.3 | | | |
| MW-1R | 6/23/2021 | L1370876-01 | 29.8 | <0.050 | 0.394 | 1.08 | 1.42 | <0.050 | <0.100 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 1.93 | <0.050 | <0.050 | 22.9 | 20.4 | 43.3 | | | |
| MW-1R | 3/1/2023 | L1591758-01 | 6.74 | 0.242 | 0.363 | 0.469 | 0.755 | <0.0190 | 0.149 | <0.0169 | <0.0203 | <0.130 | <0.0168 | <0.0202 | <0.0184 | <0.0158 | 0.889 | <0.0160 | <0.0184 | 5.49 | 3.63 | 9.12 | | | |
| MW-1R | 6/15/2023 | L1627316-01 | **51.3** | <0.0171 | 0.598 | 1.67 | 3.09 | <0.0190 | 0.0633 J | <0.0169 | <0.0203 | 0.0868 | <0.0168 | <0.0202 | <0.0184 | <0.0158 | 3.12 | <0.0160 | <0.0184 | 38.6 | 39.0 | 77.6 | | | |
| MW-2 | 5/24/2012 | 12051184-02 | **59.4** | 0.471 | 0.555 | 2.23 | 4.64 | <0.0959 | <0.0959 | <0.0959 | <0.0959 | 0.567 | <0.0959 | <0.0959 | <0.0959 | <0.0959 | | <0.0959 | <0.0959 | | | | | | |
| MW-2 | 6/13/2013 | L641641-02 | **51** | 0.9 | 1.8 | 4.2 | 6.9 | 1.8 | 0.24 | 1 | <0.050 | 0.28 | <0.050 | <0.050 | <0.050 | <0.050 | 6.3 | <0.050 | <0.050 | 48 | 42 | | | | |
| MW-2 | 6/5/2014 | L703462-02 | **48** | 0.42 | 1.1 | 2.6 | 4 | 0.15 | <0.050 | 0.34 | <0.050 | 0.21 | <0.050 | <0.050 | 0.15 | <0.050 | 4.4 | <0.050 | 0.000038 | 0.044 | 0.043 | 0.087 | | | |
| MW-2 | 6/17/2015 | L772306-02 | 25 | 0.22 | 0.46 | 1.1 | 1 | <0.1 | <0.1 | <0.1 | 0.068 J | 0.028 J | <0.1 | <0.1 | <0.1 | <0.1 | 2.2 | <0.1 | <0.0001 | 0.024 | 0.021 | 0.045 | | | |
| MW-2 | 5/19/2016 | L837132-02 | 1.26 | 0.0958 | 0.191 | 0.59 | 0.127 | 0.116 | <0.050 | 0.0653 | <0.050 | 0.0276 J | 0.00714 BJ | <0.050 | <0.050 | <0.050 | 0.951 | <0.050 | <0.050 | 1.06 | 0.742 | 1.802 | | | |
| MW-2 | 5/16/2017 | L910272-02 | 27.2 | 0.213 | 0.283 | 1.5 | 1.83 | 0.224 | <0.050 | 0.0662 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 2.35 | <0.050 | 0.012 BJ | 22.6 | 20 | 42.6 | | | |
| MW-2 | 6/7/2018 | L1000529-02 | **40.2** | 0.271 | 0.716 | 0.154 | 2.44 | <0.050 | <0.050 | 0.211 | <0.050 | 0.0999 | <0.050 | <0.050 | 0.0702 | <0.050 | 2.74 | <0.050 | <0.050 | 35.5 | 30.2 | 65.7 | | | |
| MW-2 | 5/14/2019 | L1099465-02 | **36.5** | <0.050 | 0.38 | 1.06 | 0.961 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 1.98 | <0.050 | <0.050 | 27 | 21.8 | 48.8 | | | |
| MW-2 | 6/19/2020 | L1231729-02 | **48.8** | 0.247 | 0.622 | 1.36 | 1.96 | <0.050 | <0.050 | 0.185 | 0.147 | 0.0688 | <0.050 | <0.050 | <0.050 | <0.050 | 2.39 | <0.050 | <0.050 | 34.1 | 29.8 | 63.9 | | | |
| MW-2 | 6/23/2021 | L1370876-02 | **40.9** | <0.250 | 0.625 | 1.41 | 2.55 | <0.250 | <0.500 | <0.250 | <0.250 | <0.250 | <0.250 | <0.250 | <0.250 | <0.250 | 0.231 | <0.250 | <0.250 | 26.8 | 23.9 | 50.7 | | | |
| MW-2 | 8/17/2022 | L1527176-01 | 12.3 | <0.0171 | 0.298 | 0.802 | 0.845 | <0.0190 | 0.0336 J | 0.0555 | <0.0203 | 0.0347 J | <0.0168 | <0.0202 | <0.0184 J4 | <0.0158 | 1.55 | <0.0160 | <0.0184 | 9.24 | 7.81 | 17.05 | | | |
| MW-2 | 6/15/2023 | L1627316-02 | **182** | <0.359 | 9.38 | 19.2 | 45.5 | <0.339 | 2.02 J | 1.61 B | <0.426 | 1.75 | 0.582 J | <0.424 | <0.386 | <0.3332 | 26.0 | <0.336 | 0.405 J | 262 | 292 | 554 | | | |
| MW-3 | 6/13/2013 | L641641-03 | 19 | 0.27 | 0.51 | 1.3 | 0.72 | 0.48 | 0.043 | 0.28 | 0.021 | 0.13 | 0.03 | 0.025 | 0.14 | <0.50 | 2 | <0.50 | 0.024 | 11 | 9.7 | | | | |
| MW-3 | 6/6/2014 | L703462-03 | 1.9 | 0.31 | 0.59 | 1.5 | 1.2 | 0.51 | <0.050 | <0.050 | <0.050 | 0.13 | <0.050 | <0.050 | 0.12 | <0.050 | 2.2 | <0.050 | 0.029 | 7.8 | 2 | 9.8 | | | |
| MW-3 | 6/17/2015 | L772306-03 | 0.45 J | <0.1 | <0.1 | 0.03 J | <0.1 | <0.1 | <0.1 | 0.026 J | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.054 J | <0.1 | <0.1 | <0.050 | <0.050 | <0.050 | | | |
| MW-3 | 5/19/2016 | L837132-03 | 0.163 BJ | 0.0325 J | 0.105 | 0.335 | 0.019 J | 0.0445 J | <0.050 | 0.016 J | 0.0179 J | <0.050 | 0.00323 BJ | <0.050 | <0.050 | <0.050 | 0.738 | <0.050 | <0.050 | <0.250 | <0.250 | <0.250 | | | |
| MW-3 | 5/16/2017 | L910272-03 | 3.88 | 0.0555 | 0.11 | 0.491 | 0.236 | 0.0238 J | <0.050 | 0.0249 J | <0.050 | <0.050 | 0.0052 BJ | <0.050 | <0.050 | <0.050 | 0.836 | <0.050 | <0.050 | 4.45 | 2.88 | 7.33 | | | |
| MW-3 | 6/7/2018 | L1000529-14 | <0.25 | <0.050 | 0.0557 | 0.194 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.315 | <0.050 | <0.050 | <0.250 | <0.250 | <0.250 | | | |
| MW-3 | 5/14/2019 | L1099465-03 | <0.25 | <0.050 | <0.050 | 0.144 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.45 | <0.050 | <0.050 | <0.250 | <0.250 | <0.250 | | | |
| MW-3 | 6/23/2021 | L1370876-03 | 1.66 | <0.050 | 0.0993 | 0.430 | 0.105 | <0.050 | <0.100 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.800 | <0.050 | <0.050 | 1.88 | 1.54 | 3.42 | | | |
| MW-4 | 5/24/2012 | 12051184-03 | **150** | 1.54 | 1.54 | 6.67 | 19.6 | <0.0962 | <0.0962 | <0.0962 | <0.0962 | 2.38 | <0.0962 | <0.0962 | <0.0962 | <0.0962 | | <0.0962 | <0.0962 | | | | | | |
| MW-4 | 6/13/2013 | L641641-04 | **150** | 3 | 7.8 | 15 | 25 | 4.9 | 0.63 | 3 | 0.41 | 1.2 | 0.93 | 0.36 | 0.34 | <0.50 | 20 | 0.21 | 0.36 | 200 | 180 | 380 | | | |
| MW-4 | 6/5/2014 | L703462-04 | 0.11 | 1.5 | 4.6 | 9.4 | 15 | <0.050 | <0.050 | 1.7 | 0.13 | 1.3 | <0.050 | <0.050 | 0.7 | 0.1 | 13 | 0.13 | 0.24 | 17 | 13 | 30 | | | |
| MW-4 | 6/17/2015 | L772306-04 | 0.046 | 0.3 | 0.64 | 1.8 | 2 | <0.050 | <0.050 | 0.098 | 0.11 | 0.08 | <0.050 | <0.050 | <0.050 | <0.050 | 3 | <0.050 | <0.050 | 4.6 | 27 | 31.6 | | | |
| MW-4 | 5/19/2016 | L837132-04 | **46.7** | 0.475 | 1.3 | 2.99 | 3.23 | 0.647 | <0.250 | 0.366 | 0.0309 J | 0.174 J | 0.0505 BJ | <0.250 | <0.250 | <0.250 | 4.22 | <0.250 | 0.0399 J | 54.5 | 37.2 | 91.7 | | | |
| MW-4 | 5/16/2017 | L910272-04 | **59.4** | 0.558 | 0.837 | 4.39 | 5.66 | <0.050 | 0.107 | 0.244 | <0.050 | 0.366 | <0.050 | <0.050 | <0.050 | <0.050 | 5.42 | <0.050 | 0.0471 J | 70.5 | 42.2 | 112.7 | | | |
| MW-4 | 6/7/2018 | L1000529-04 | 29 | <0.050 | 0.679 | 1.5 | 1.58 | <0.050 | <0.050 | 0.1 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 2.77 | <0.050 | <0.050 | 33.5 | 17.5 | 51 | | | |
| MW-4 | 6/19/2020 | L1231729-04 | **31.7** | 0.249 | 0.513 | 1.33 | 1.84 | 0.149 | <0.100 | <0.0500 | 0.0956 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 2.40 | <0.050 | <0.050 | 43.2 | 23 | 66.2 | | | |
| MW-4 | 6/23/2021 | L1370876-04 | 23.0 | <0.050 | 0.526 | 1.34 | 1.47 | 0.0744 | <0.100 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 2.55 | <0.050 | <0.050 | 43.5 | 14.1 | 57.6 | | | |
| MW-4 | 6/15/2023 | L1627316-04 | 22.3 | <0.0171 | 0.620 | 1.59 | 1.82 | <0.0190 | 0.0291 J | 0.0278 BJ | <0.0203 | 0.0310 J | <0.0168 | <0.0202 | <0.0184 | <0.0158 | 3.22 | <0.0160 | <0.0184 | 53.9 | 15.5 | 69.4 | | | |
| MW-5 | 5/19/2016 | L837132-05 | 13.6 | 0.0848 | 0.153 | 0.581 | 0.347 | 0.0195 J | 0.0188 J | 0.0138 J | 0.0234 J | 0.0277 J | 0.00309 BJ | <0.050 | <0.050 | <0.050 | 1.04 | <0.050 | <0.050 | 8.44 | 7.72 | 16.16 | | | |
| MW-5 | 5/16/2017 | L910272-05 | 0.168 J | <0.050 | 0.0275 J | 0.0527 | 0.0247 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.0447 J | <0.050 | <0.050 | 0.197 J | 0.0942 J | 0.2912 | | | |
| MW-6 | 6/13/2013 | L641641-06 | 0.047 J | 0.0087 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.0069 J | <0.050 | <0.050 | 0.034 J | 0.012 J | 0.046 | | | |
| MW-6 | 5/19/2016 | L837132-06 | 0.0536 BJ | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.00564 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.00312 BJ | <0.050 | <0.050 | 0.0165 J | 0.018 J | 0.0345 | | | |
| MW-6 | 5/15/2017 | L910272-06 | 0.0628 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.00494 BJ | <0.050 | <0.050 | 0.0105 J | 0.0129 J | 0.0234 | | | |
| MW-6 | 8/17/2022 | L1527176-02 | <0.0917 | <0.0171 | <0.0190 | <0.0169 | <0.0180 | <0.0190 | <0.0270 | <0.0169 | <0.0203 | <0.0179 | <0.0168 | <0.0202 | <0.0184 | <0.0158 | <0.0191 | <0.0160 | <0.0184 | <0.0687 | <0.0674 | <0.0687 | | | |
| MW-7 | 5/24/2012 | 12051184-06 | 0.356 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | | <0.0982 | <0.0982 | | | | | | |
| MW-7 | 6/13/2013 | L641641-07 | 0.17 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.016 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.032 J | <0.050 | <0.050 | 0.15 J | 0.042 J | 0.192 | | | |
| MW-7 | 5/19/2016 | L837132-07 | 0.0332 BJ | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.250 | 0.00976 J | 0.00976 | | | |
| MW-7 | 5/15/2017 | L910272-07 | 0.0693 J | <0.050 | <0.050 | <0.050 | 0.0314 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.00495 BJ | <0.050 | 0.00403 BJ | 0.0135 J | 0.0167 J | 0.0302 | | | |
| MW-7 | 8/17/2022 | L1527176-03 | <0.0917 | <0.0171 | <0.0190 | <0.0169 | <0.0180 | <0.0190 | <0.0270 | <0.0169 | <0.0203 | <0.0179 | <0.0168 | <0.0202 | <0.0184 | <0.0158 | <0.0191 | <0.0160 | <0.0184 | <0.0687 | <0.0674 | <0.0687 | | | |
| MW-8 | 6/1/2007 | NA | Not Sampled due to PSH | | | | | | | | | | | | | | | | | | | | | | |
| MW-8 | 5/25/2008 | T22388-8 | **273** | <16.0 | <15.0 | <21.0 | 68.2 | <18.0 | <16.0 | <11.0 | <14.0 | <130 | <15.0 | <16.0 | <16.0 | <24.0 | | <13.0 | <25.0 | | 512 | 512 | 26.1 | 157 | |
| MW-8 | 5/27/2009 | 9060112 | **68.5** | <0.353 | <0.654 | <0.262 | 7.05 | <0.404 | <0.404 | <0.229 | <0.151 | <0.456 | <0.315 | <0.382 | <0.253 | <0.400 | 5.05 | <0.279 | <0.314 | 57.5 | 59.6 | 117.1 | 18.9 | <0.876 | |
| MW-8 | 5/12/2010 | 1005465-08 | **40** | 0.47 | 0.62 | 1.9 | 4.5 | 0.37 | <0.070 | <0.070 | <0.070 | 0.67 | <0.090 | <0.10 | <0.080 | <0.10 | 3.3 | <0.080 | <0.090 | 35 | 39 | 74 | 26 | 23 | 5.3 |
| MW-8 | 5/24/2012 | 12051184-07 | **73.4** | 0.253 | 0.326 | 1.14 | 3.16 | <0.0962 | <0.0962 | <0.0962 | <0.0962 | 0.445 | <0.0962 | <0.0962 | <0.0962 | <0.0962 | | <0.0962 | <0.0962 | | | | | | |
| MW-8 | 6/13/2013 | L641641-08 | **93** | 0.74 | 0.31 | 1.9 | 2.4 | 0.2 | 0.021 J | 0.11 | 0.018 J | 0.039 J | 0.020 J | <0.050 | <0.050 | <0.050 | 3.5 | <0.050 | <0.050 | 55 | 58 | 113 | | | |
| MW-8 | 6/5/2014 | L703462-08 | **150** | 2.7 | 7.3 | 15 | 30 | <0.050 | <0.050 | 2.6 | <0.050 | 1.7 | <0.050 | <0.050 | 1.2 | 0.12 | 23 | 0.14 | 0.37 | 190 | 210 | 400 | | | |
| MW-8 | 6/17/2015 | L772306-08 | **75** | 0.42 | 1.3 | 2.8 | 4.8 | <0.050 | <0.050 | 0.4 | 0.41 | 0.25 | <0.050 | <0.050 | 0.13 | <0.050 | 4.4 | <0.050 | 0.03 J | 57 | 56 | 113 | | | |
| MW-8 | 5/19/2016 | L837132-08 | **88.4** | 0.484 | 1.09 | 2.57 | 3.63 | 0.557 | 0.0837 | 0.314 | 0.265 | 0.149 | 0.0288 BJ | 0.0181 J | 0.0231 J | <0.050 | 3.89 | <0.050 | 0.0212 J | 59.4 | 58 | 117.4 | | | |
| MW-8 | 5/16/2017 | L910272-08 | **72.8** | 0.85 | 0.834 | 5.79 | 8.11 | <0.050 | 0.125 | 0.286 | <0.050 | 0.462 | <0.050 | <0.050 | <0.050 | <0.050 | 7.28 | <0.050 | 0.0456 J | 75.4 | 66.9 | 142.3 | | | |
| MW-8 | 6/7/2018 | L1000529-08 | **77.3** | 0.384 | 1.03 | 2.3 | 3.02 | <0.050 | <0.050 | 0.2 | <0.050 | 0.125 | <0.050 | <0.050 | 0.0638 | <0.050 | 4.04 | <0.050 | <0.050 | 57.1 | 50.7 | 107.8 | | | |
| MW-8 | 5/14/2019 | L1099465-08 | **48.8** | 0.333 | <0.050 | 1.06 | 1.05 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 2.16 | <0.050 | <0.050 | 31.1 | 29.4 | 60.5 | | | |
| MW-8 | 6/19/2020 | L1231729-08 | **69.7** | <0.050 | 0.379 | 1.06 | 1.33 | 0.0529 | <0.100 | <0.050 | 0.0552 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 2.04 | <0.050 | <0.050 | 39.9 | 38.5 | 78.4 | | | |

Table 5
PAH GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Monitoring Well | Sample Date | Lab ID | Napthalene | Acenaphthylene | Acenapthene | Fluorene | Phenanthrene | Anthracene | Fluoranthene | Pyrene | Benzo(a)-anthracene | Chrysene | Benzo (b)-fluoranthene | Benzo (k) fluoranthene | benzo(a) pyrene | Indeno(1,2,3-cd)pyrene | Dibenzofuran | Dibenz(a,h)-anthracene | Benzo(g,h,i)=perylene | 1-Methylnaphthalene | 2-Methylnaphthalene | Total Methylnaphthalene | TPH-GRO (C6-C10) | TPH (C10-C28) | TPH (C28-C35) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NMOCD Target Level 30 ug/L | | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| Other regulatory limits (Tap Water) * | | | **30** | | **365** | **243** | **1100** | **1830** | **1460** | **183** | **0.91** | **29.1** | **0.91** | **9.1** | **0.7**** | **0.91** | | **0.091** | | | | *** | | | |
| **MW-8** | 6/23/2021 | L1370876-08 | **106** | <0.500 | 2.99 | 5.83 | 12.9 | <0.500 | <1.00 | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 | <0.500 | 7.68 | <0.500 | <0.500 | 92.6 | 95.3 | 187.9 | | | |
| **MW-8** | 6/15/2023 | L1627316-08 | **820** | <0.109 | 54.1 | 114 | 236 | <1.22 | 10.4 | 8.08 | <1.30 | 11.6 | 2.96 J | <1.29 | <1.18 | <1.01 | 143 | <1.02 | 1.71 J | 1490 | 1720 | 3210 | | | |
| **MW-9** | 3/2/2006 | NA | Not Sampled due to PSH | | | | | | | | | | | | | | | | | | | | | | |
| **MW-9** | 6/1/2007 | NA | Not Sampled due to PSH | | | | | | | | | | | | | | | | | | | | | | |
| **MW-9** | 5/25/2008 | T22388-9 | 5.3 | <1.6 | <1.5 | <2.1 | 19.1 J | <1.8 | <1.6 | <1.1 | <1.4 | <1.3 | <1.5 | <1.6 | <1.6 | <2.4 | | <1.3 | <2.5 | | 6.2 | 6.2 | 2.17 | 7.62 | |
| **MW-9** | 5/27/2009 | 9060112 | 7.63 | <0.0710 | <0.131 | <0.0527 | 1.51 | <0.0811 | <0.0883 | <0.0460 | <0.0304 | <0.0917 | <0.0633 | <0.0768 | | <0.0805 | 1.14 | <0.0560 | <0.0631 | 8.49 | 7.67 | 16.16 | 2.12 | <0.876 | |
| **MW-9** | 5/12/2010 | 1005465-10 | 0.68 | <0.070 | <0.090 | 0.13 J | 0.34 | <0.070 | <0.070 | <0.070 | <0.070 | <0.070 | <0.090 | <0.10 | <0.080 | <0.10 | 0.22 | <0.080 | <0.090 | 0.55 | 0.43 | 0.98 | 35 | 93 | 18 |
| **MW-9** | 5/24/2012 | 12051184-08 | **1280** | 19 | 16.4 | 64.6 | 284 | 19.6 | <1.98 | <1.98 | <1.98 | 54.2 | <1.98 | <1.98 | <1.98 | <1.98 | | <1.98 | <1.98 | | | | | | |
| **MW-9** | 6/13/2013 | L641641-09 | 37 | 0.28 | 0.58 | 1.6 | 1.8 | 0.14 | <0.050 | 0.0777 | <0.050 | 0.025 J | 0.014 J | <0.050 | <0.050 | <0.050 | 3 | <0.050 | <0.050 | 34 | 28 | | | | |
| **MW-9** | 6/5/2014 | L703462-09 | 1.2 | 0.12 | 0.27 | 0.69 | 0.6 | <0.050 | <0.050 | <0.050 | <0.050 | 0.062 | <0.050 | <0.050 | <0.050 | <0.050 | 1.1 | <0.050 | <0.050 | 2.2 | 1.1 | 3.3 | | | |
| **MW-9** | 6/17/2015 | L772306-09 | 16 | 0.25 | 0.6 | 1.1 | 1.7 | <0.050 | <0.050 | 0.12 | 0.18 | 0.087 | <0.050 | <0.050 | 0.013 J | <0.050 | 1.7 | <0.050 | <0.050 | 15 | 13 | 28 | | | |
| **MW-9** | 5/19/2016 | L837132-09 | 5.83 | 0.115 | 0.238 | 0.635 | 0.577 | 0.127 | 0.018 J | 0.0686 | 0.0672 | 0.0338 J | 0.00788 BJ | <0.050 | <0.050 | <0.050 | 0.959 | <0.050 | 0.00763 J | 5.67 | 5.86 | 11.53 | | | |
| **MW-9** | 5/16/2017 | L910272-09 | 26 | 0.293 | 0.373 | 1.97 | 2.69 | 0.385 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 2.77 | <0.050 | 0.0196 BJ | 25.8 | 24.6 | 50.4 | | | |
| **MW-9** | 5/14/2019 | L1099465-09 | 17.7 | <0.050 | <0.050 | 1.45 | 1.49 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 1.88 | <0.050 | <0.050 | 20.8 | 21 | 41.8 | | | |
| **MW-9** | 6/19/2020 | L1231729-09 | **41.7** | <0.050 | <0.050 | 1.42 | 2.74 | <0.050 | <0.100 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 2.36 | <0.050 | <0.050 | 33.5 | 32.1 | 65.6 | | | |
| **MW-9** | 6/23/2021 | L1370876-09 | 13.9 | <0.050 | 0.336 | 0.855 | 0.935 | <0.050 | <0.100 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 1.75 | <0.050 | <0.050 | 10.9 | 9.03 | 19.93 | | | |
| **MW-9** | 6/15/2023 | L1627316-09 | 20.4 | <0.0171 | 0.555 | 1.37 | 2.01 | <0.0190 | <0.0270 | <0.0169 | <0.0203 | 0.0342 J | <0.0168 | <0.0202 | <0.0184 | <0.0158 | 2.94 | <0.0160 | <0.0184 | 22.3 | 17.9 | 40.2 | | | |
| **MW-10** | 3/2/2006 | NA | Not Sampled due to PSH | | | | | | | | | | | | | | | | | | | | | | |
| **MW-10** | 6/1/2007 | NA | Not Sampled due to PSH | | | | | | | | | | | | | | | | | | | | | | |
| **MW-10** | 5/25/2008 | T22388-10 | 5.3 | <1.6 | <1.5 | <2.1 | 1.9 J | <1.8 | <1.6 | <1.1 | <1.4 | <1.3 | <1.5 | <1.6 | <1.6 | <2.4 | | <1.3 | <2.5 | | 6.2 | 6.2 | 2.17 | 7.62 | |
| **MW-10** | 5/27/2009 | 9060112 | 7.63 | <0.0710 | <0.131 | <0.0527 | 1.51 | <0.0811 | <0.0883 | <0.0460 | <0.0304 | <0.0914 | <0.0633 | <0.0768 | <0.0508 | <0.0805 | 1.14 | <0.0560 | <0.0631 | 8.49 | 7.67 | 16.16 | 2.12 | <0.876 | |
| **MW-10** | 5/12/2010 | 1005465-10 | 0.68 | <0.070 | <0.090 | 0.13 J | 0.34 | <0.070 | <0.070 | <0.070 | <0.070 | <0.070 | <0.090 | <0.10 | <0.080 | <0.10 | 0.22 | <0.080 | <0.090 | 0.55 | 0.43 | 0.98 | 35 | 93 | 18 |
| **MW-10** | 5/24/2012 | 12051184-09 | 0.0282 | 0.36 | 0.454 | 1.52 | 3.13 | <0.0968 | <0.0968 | <0.0968 | <0.0968 | 0.355 | <0.0968 | <0.0968 | <0.0968 | <0.0968 | | <0.0968 | <0.0968 | | | | | | |
| **MW-10** | 6/13/2013 | L641641-10 | 28 | 0.34 | 0.72 | 1.7 | 2.1 | 0.14 | <0.050 | 0.068 | 0.066 | 0.040 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 37 | 15 | | | | |
| **MW-10** | 6/5/2014 | L703462-10 | 28 | 0.71 | 1.9 | 4 | 6.3 | <0.050 | <0.050 | 0.00068 | <0.050 | 0.00052 | <0.050 | <0.050 | <0.050 | 0.091 | 6.2 | 0.09 | 0.16 | 47 | 28 | 75 | | | |
| **MW-10** | 6/17/2015 | L772306-10 | 3.8 | 0.23 | 0.55 | 1.3 | 1.8 | <0.050 | 0.02 J | 0.2 | 0.15 | 0.095 | <0.050 | <0.050 | 0.059 | <0.050 | 1.6 | <0.050 | <0.050 | 11 | 7.2 | 18.2 | | | |
| **MW-10** | 5/19/2016 | L837132-10 | 0.668 | 0.114 | 0.209 | 0.537 | 0.14 | 0.127 | <0.050 | 0.0637 | 0.0547 | 0.0237 J | 0.00703 BJ | <0.050 | <0.050 | <0.050 | 0.86 | <0.050 | <0.050 | 0.434 | 0.271 | 0.705 | | | |
| **MW-10** | 5/16/2017 | L910272-10 | 0.133 J | 0.112 | 0.215 | 0.695 | 0.823 | 0.0608 | <0.050 | 0.0247 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 1.04 | <0.050 | <0.050 | 6.82 | 1.53 | 8.35 | | | |
| **MW-10** | 6/7/2018 | L1000529-10 | 20.3 | <0.475 | 1.56 | 2.82 | 5.31 | <0.475 | <0.475 | 0.59 | <0.475 | <0.475 | <0.475 | <0.475 | <0.475 | <0.475 | 3.99 | <0.475 | <0.475 | 35.8 | 28.2 | 64 | | | |
| **MW-10** | 5/14/2019 | L1099465-10 | 25.5 | <0.50 | 1.39 | 3.48 | 4.47 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 3.85 | <0.50 | <0.50 | 40 | 30.3 | 70.3 | | | |
| **MW-10** | 6/19/2020 | L1231729-10 | 4.54 | <0.50 | 0.532 | 1.56 | 3.21 | <0.50 | <0.100 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 1.98 | <0.50 | <0.50 | 10.5 | 6.71 | 17.21 | | | |
| **MW-10** | 6/23/2021 | L1370876-10 | 22.8 | <0.250 | 0.947 | 2.55 | 5.93 | <0.250 | <0.500 | <0.250 | <0.250 | 0.262 | <0.250 | <0.250 | <0.250 | <0.250 | 3.34 | <0.250 | <0.250 | 29.2 | 23.8 | 53 | | | |
| **MW-10** | 6/15/2023 | L1627316-10 | 80.6 | <0.0171 | 0.901 | 2.32 | 3.87 | <0.0190 | 0.0999 J | 0.107 B | <0.0203 | 0.132 | <0.0168 | <0.0202 | <0.0184 | <0.0158 | 3.93 | <0.0160 | 0.0194 J | 51.8 | 47.6 | 99.4 | | | |
| **MW-11** | 3/2/2006 | 177443 | 0.577 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | <0.05 | <0.05 | | | | | | |
| **MW-11** | 3/1/2007 | T17665 | <1.6 | <2.4 | <2.3 | <2.3 | <2.7 | <2.7 | <2.9 | <3.6 | <3.6 | <3.2 | <2.8 | <3.0 | <3.0 | <2.5 | | <2.9 | <2.7 | | | | | | |
| **MW-11** | 5/19/2016 | L837132-11 | 0.084 BJ | <0.050 | <0.050 | 0.0161 J | 0.0278 J | <0.050 | <0.050 | <0.050 | 0.00899 J | <0.050 | 0.00451 BJ | <0.050 | <0.050 | <0.050 | 0.0181 BJ | <0.050 | <0.050 | 0.0971 J | 0.0842 J | 0.1813 | | | |
| **MW-11** | 5/15/2017 | L910272-11 | 0.0584 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.00575 BJ | <0.050 | <0.050 | 0.0215 J | 0.0176 J | 0.0391 | | | |
| **MW-11** | 8/17/2022 | L1527176-04 | <0.0917 | <0.0171 | <0.0190 | <0.0169 | <0.0270 | <0.0190 | <0.0270 | <0.0169 | <0.0203 | <0.0179 | <0.0168 | <0.0202 | <0.0184 | <0.0158 | <0.0191 | <0.0160 | <0.0184 | <0.0687 | <0.0674 | <0.0674 | | | |
| **MW-12** | 3/2/2006 | 177461 | 0.548 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | <0.05 | <0.05 | | | | | | |
| **MW-12** | 6/1/2007 | T17665 | <1.6 | <2.4 | <2.3 | <2.3 | <2.7 | <2.7 | <2.9 | <3.6 | <3.6 | <3.2 | <2.8 | <3.0 | <3.0 | <2.5 | | <2.9 | <2.7 | | | | | | |
| **MW-12** | 5/24/2012 | 12051184-11 | 5.91 | <0.0982 | <0.0982 | 0.186 | 0.267 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | <0.0982 | | <0.0982 | <0.0982 | | | | | | |
| **MW-12** | 6/13/2013 | L641641-12 | 0.29 | 0.067 | 0.066 | 0.35 | 0.33 | 0.015 J | <0.050 | <0.050 | 0.012 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.93 | <0.050 | <0.050 | 0.22 J | 0.024 J | 0.244 | | | |
| **MW-12** | 5/19/2016 | L837132-12 | 0.0565 BJ | <0.050 | <0.050 | 0.0248 J | 0.0571 | <0.050 | <0.050 | <0.050 | 0.00853 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.217 | <0.050 | <0.050 | 0.0127 J | 0.0114 J | 0.0241 | | | |
| **MW-12** | 5/15/2017 | L910272-12 | 0.068 J | <0.050 | <0.050 | <0.050 | 0.0312 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.16 | <0.050 | <0.050 | 0.0153 J | 0.0131 J | 0.0284 | | | |
| **MW-12** | 8/17/2022 | L1527176-05 | <0.0183 | <0.0342 | <0.0380 | <0.0338 | <0.0360 | <0.0380 | <0.0540 | <0.0338 | <0.0406 | <0.0358 | <0.0336 | <0.0404 | <0.0368 | <0.0316 | 0.139 | <0.0320 | <0.0368 | <0.0137 | <0.0135 | <0.0135 | | | |
| **MW-13** | 12/7/2011 | 111225-01 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | <0.002 | <0.002 | | | | | | |
| **MW-13** | 5/24/2012 | 12051184-12 | 7.75 | <0.0948 | <0.0948 | 0.254 | 0.563 | 0.138 | <0.0948 | <0.0948 | <0.0948 | <0.0948 | <0.0948 | <0.0948 | <0.0948 | <0.0948 | | <0.0948 | <0.0948 | | | | | | |
| **MW-13** | 6/13/2013 | L641641-13 | 3.4 | 0.057 | 0.11 | <0.050 | 0.79 | 0.058 | <0.050 | 0.017 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 1.1 | <0.050 | <0.050 | 3.4 | 0.4 | | | | |
| **MW-13** | 6/5/2014 | L703462-13 | 0.24 | 0.02 | <0.050 | 0.36 | 0.75 | 0.084 | <0.050 | 0.036 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.50 | 0.92 | <0.050 | <0.050 | 1.8 | 0.87 | 2.67 | | | |
| **MW-13** | 5/19/2016 | L837132-13 | 0.0513 BJ | <0.050 | <0.050 | 0.0559 | 0.0207 J | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.0148 BJ | <0.050 | <0.050 | <0.050 | 0.131 | <0.050 | <0.050 | 0.028 J | 0.0135 J | 0.0415 | | | |
| **MW-13** | 5/16/2017 | L910272-13 | 0.155 J | <0.050 | 0.0228 J | 0.221 | 0.369 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | 0.874 | <0.050 | <0.050 | 0.0411 J | 0.0217 J | 0.0628 | | | |
| **MW-13** | 8/17/2022 | L1527176-06 | <0.0917 | <0.0171 | <0.0190 | <0.0169 | <0.0180 | <0.0190 | <0.0270 | <0.0169 | <0.0203 | <0.0179 | <0.0168 | <0.0202 | <0.0184 | <0.0158 | 0.0528 | <0.0160 | <0.0184 | <0.0687 | <0.0682 | <0.0682 | | | |

NMOCD: New Mexico Oil Conservation Division
Exceedences of NMOCD Remediation Criteria are shown in **bold**
[a] Result is from run #2
[b] Laboratory control spike recovery outside control limits, all reportable hits are considered to be an estimated concentration
J: Analyte detected below method detection limit (MDL) but above sample detection limit (SDL)
P: Dual Column results percent difference > 40%

Table 6
PSH and Dissolved Phase Groundwater Recovery Data
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Year | PSH Recoverd (gallons) | Total Fluids Recovered (gallons) | Max | Min | Average |
|---|---|---|---|---|---|---|
| MW-1(MW-1R) | 2018 | 5.50 | 434.50 | 0.69 | 0.01 | 0.15 |
| | 2019 | 11.75 | 418.25 | 3.20 | 0.09 | 0.41 |
| | 2020 | 16.00 | 204.00 | 1.93 | 0.04 | 0.57 |
| | 2021 | 33.25 | 261.75 | 1.51 | 0.10 | 0.64 |
| | 2022 | 8.25 | 71.75 | 0.97 | 0.49 | 0.66 |
| | 2023 | 26.50 | 98.50 | 2.42 | 0.14 | 1.63 |
| MW-2 | 2018 | 2.00 | 418.00 | 0.24 | 0.01 | 0.06 |
| | 2019 | 2.50 | 417.50 | 0.75 | 0.01 | 0.09 |
| | 2020 | 4.25 | 205.75 | 0.33 | 0.02 | 0.13 |
| | 2021 | 19.50 | 260.50 | 1.00 | 0.00 | 0.20 |
| | 2022 | 4.00 | 76.00 | 0.59 | 0.03 | 0.15 |
| | 2023 | 11.25 | 82.75 | 2.00 | 0.03 | 0.42 |
| MW-3 | 2018 | 0.00 | 12.00 | 0.00 | 0.00 | 0.00 |
| | 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 2020 | 0.00 | 10.00 | 0.00 | 0.00 | 0.00 |
| | 2021 | 0.00 | 4.50 | 0.00 | 0.00 | 0.00 |
| | 2022 | 0.00 | 0.00 | 0 | 0 | 0 |
| | 2023 | 0.00 | 16.00 | 0.02 | 0.02 | 0.02 |
| MW-4 | 2018 | 0.25 | 389.75 | 0.09 | 0.01 | 0.03 |
| | 2019 | 2.50 | 397.50 | 0.23 | 0.01 | 0.07 |
| | 2020 | 6.00 | 204.00 | 1.50 | 0.01 | 0.21 |
| | 2021 | 8.50 | 280.50 | 1.00 | 0.00 | 0.12 |
| | 2022 | 1.50 | 78.50 | 0.28 | 0.01 | 0.14 |
| | 2023 | 10.00 | 106.00 | 2.16 | 0.04 | 0.31 |
| MW-8 | 2018 | 1.75 | 425.25 | 0.62 | 0.01 | 0.06 |
| | 2019 | 2.75 | 357.25 | 0.18 | 0.01 | 0.06 |

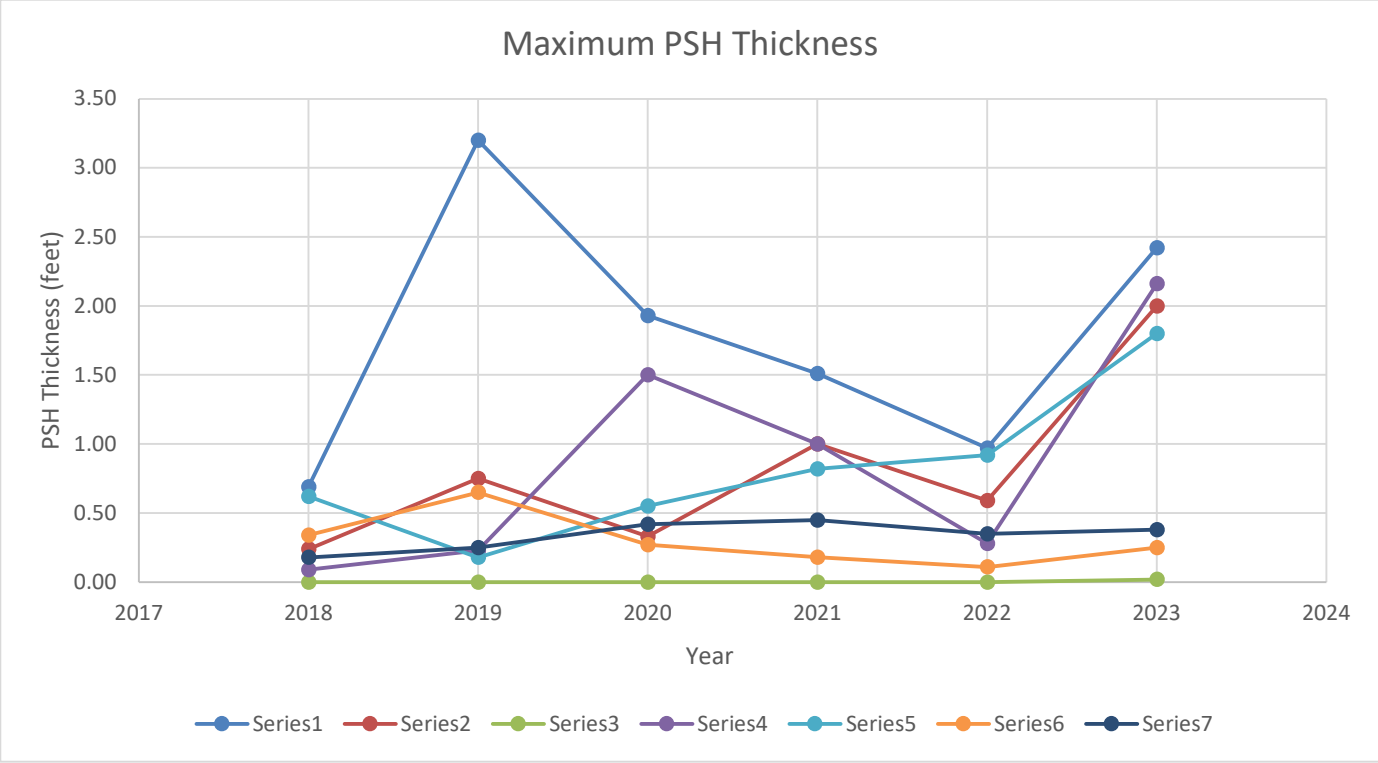
Table 6
PSH and Dissolved Phase Groundwater Recovery Data
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Year | PSH Recoverd (gallons) | Total Fluids Recovered (gallons) | Max | Min | Average |
|---|---|---|---|---|---|---|
| MW-8 | 2020 | 12.00 | 228.00 | 0.55 | 0.03 | 0.19 |
| | 2021 | 16.50 | 251.50 | 0.82 | 0.00 | 0.21 |
| | 2022 | 5.50 | 74.50 | 0.92 | 0.09 | 0.43 |
| | 2023 | 15.25 | 94.00 | 1.80 | 0.02 | 1.15 |
| MW-9 | 2018 | 8.50 | 421.50 | 0.34 | 0.06 | 0.17 |
| | 2019 | 5.50 | 424.50 | 0.65 | 0.01 | 0.17 |
| | 2020 | 2.00 | 219.00 | 0.27 | 0.01 | 0.09 |
| | 2021 | 6.75 | 268.00 | 0.18 | 0.00 | 0.08 |
| | 2022 | 2.00 | 78.00 | 0.11 | 0.01 | 0.06 |
| | 2023 | 11.25 | 101.75 | 0.25 | 0.03 | 0.08 |
| MW-10 | 2018 | 1.00 | 349.00 | 0.18 | 0.01 | 0.03 |
| | 2019 | 0.50 | 299.50 | 0.25 | 0.01 | 0.04 |
| | 2020 | 2.50 | 232.50 | 0.42 | 0.01 | 0.10 |
| | 2021 | 4.75 | 220.25 | 0.45 | 0.00 | 0.10 |
| | 2022 | 0.50 | 79.50 | 0.35 | 0.11 | 0.21 |
| | 2023 | 7.75 | 97.25 | 0.38 | 0.02 | 0.17 |
| **Total Fluids Recovered in 2018** | | 19.00 | 2450.00 | | | |
| **Total Fluids Recovered in 2019** | | 25.50 | 2314.50 | | | |
| **Total Fluids Recovered in 2020** | | 42.75 | 1303.25 | | | |
| **Total Fluids Recovered in 2021** | | 63.00 | 1199.50 | | | |
| **Total Fluids Recovered in 2022** | | 31.50 | 477.75 | | | |
| **Total Fluids Recovered in 2023** | | 75.25 | 923.75 | | | |

**Note: The above estimated gallons of total fluids (PSH and groundwater) include those pumped and manually bailed; these are estimates only and do not include sheens that were purged during routine PSH recovery events**

Table 6
PSH and Dissolved Phase Groundwater Recovery Data
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| | MW-1R | MW-2 | MW=3 | MW-4 | MW-8 | MW-9 | MW-10 |
|---|---|---|---|---|---|---|---|
| 2018 | 0.69 | 0.24 | 0.00 | 0.09 | 0.62 | 0.34 | 0.18 |
| 2019 | 3.20 | 0.75 | 0.00 | 0.23 | 0.18 | 0.65 | 0.25 |
| 2020 | 1.93 | 0.33 | 0.00 | 1.50 | 0.55 | 0.27 | 0.42 |
| 2021 | 1.51 | 1.00 | 0.00 | 1.00 | 0.82 | 0.18 | 0.45 |
| 2022 | 0.97 | 0.59 | 0 | 0.28 | 0.92 | 0.11 | 0.35 |
| 2023 | 2.42 | 2.00 | 0.02 | 2.16 | 1.80 | 0.25 | 0.38 |



# APPENDIX A

2023 Laboratory Reports and Chain of Custody Documentation

Pace Analytical®

# ANALYTICAL REPORT

March 10, 2023



## Plains All American Pipeline

| | |
|---|---|
| Sample Delivery Group: | L1591761 |
| Samples Received: | 03/04/2023 |
| Project Number: | PAA12006 |
| Description: | Hugh Gathering |
| Site: | SRS - 2002-10235 |
| Report To: | Bill Goldsby<br>21 Waterway Ave., Suite 300<br>The Woodlands, TX 77380 |

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

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

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

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# SAMPLE SUMMARY



## MW3 L1591761-01 GW

Collected by: CS | Collected date/time: 03/03/23 11:00 | Received date/time: 03/04/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2017297 | 1 | 03/05/23 11:46 | 03/05/23 11:46 | GH | Mt. Juliet, TN |

## MW5 L1591761-02 GW

Collected by: CS | Collected date/time: 03/03/23 11:15 | Received date/time: 03/04/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2017297 | 1 | 03/05/23 12:05 | 03/05/23 12:05 | GH | Mt. Juliet, TN |

## MW6 L1591761-03 GW

Collected by: CS | Collected date/time: 03/03/23 11:30 | Received date/time: 03/04/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2017297 | 1 | 03/05/23 12:24 | 03/05/23 12:24 | GH | Mt. Juliet, TN |

## MW7 L1591761-04 GW

Collected by: CS | Collected date/time: 03/03/23 11:45 | Received date/time: 03/04/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2017297 | 1 | 03/05/23 12:43 | 03/05/23 12:43 | GH | Mt. Juliet, TN |

## DUP-01 L1591761-05 GW

Collected by: CS | Collected date/time: 03/03/23 00:00 | Received date/time: 03/04/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2017297 | 1 | 03/05/23 13:02 | 03/05/23 13:02 | GH | Mt. Juliet, TN |

# CASE NARRATIVE



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

Chad A Upchurch
Project Manager

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

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 03/05/2023 11:46 | WG2017297 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 03/05/2023 11:46 | WG2017297 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 03/05/2023 11:46 | WG2017297 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 03/05/2023 11:46 | WG2017297 |
| *(S) Toluene-d8* | *104* | | | *80.0-120* | | *03/05/2023 11:46* | WG2017297 |
| *(S) 4-Bromofluorobenzene* | *91.3* | | | *77.0-126* | | *03/05/2023 11:46* | WG2017297 |
| *(S) 1,2-Dichloroethane-d4* | *101* | | | *70.0-130* | | *03/05/2023 11:46* | WG2017297 |

Collected date/time: 03/03/23 11:15
L1591761

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

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 03/05/2023 12:05 | WG2017297 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 03/05/2023 12:05 | WG2017297 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 03/05/2023 12:05 | WG2017297 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 03/05/2023 12:05 | WG2017297 |
| *(S) Toluene-d8* | *101* | | | *80.0-120* | | *03/05/2023 12:05* | WG2017297 |
| *(S) 4-Bromofluorobenzene* | *98.3* | | | *77.0-126* | | *03/05/2023 12:05* | WG2017297 |
| *(S) 1,2-Dichloroethane-d4* | *108* | | | *70.0-130* | | *03/05/2023 12:05* | WG2017297 |

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

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 03/05/2023 12:24 | WG2017297 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 03/05/2023 12:24 | WG2017297 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 03/05/2023 12:24 | WG2017297 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 03/05/2023 12:24 | WG2017297 |
| *(S) Toluene-d8* | *102* | | | *80.0-120* | | *03/05/2023 12:24* | WG2017297 |
| *(S) 4-Bromofluorobenzene* | *93.9* | | | *77.0-126* | | *03/05/2023 12:24* | WG2017297 |
| *(S) 1,2-Dichloroethane-d4* | *101* | | | *70.0-130* | | *03/05/2023 12:24* | WG2017297 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 03/05/2023 12:43 | WG2017297 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 03/05/2023 12:43 | WG2017297 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 03/05/2023 12:43 | WG2017297 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 03/05/2023 12:43 | WG2017297 |
| *(S) Toluene-d8* | *102* | | | *80.0-120* | | *03/05/2023 12:43* | WG2017297 |
| *(S) 4-Bromofluorobenzene* | *95.8* | | | *77.0-126* | | *03/05/2023 12:43* | WG2017297 |
| *(S) 1,2-Dichloroethane-d4* | *107* | | | *70.0-130* | | *03/05/2023 12:43* | WG2017297 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 03/05/2023 13:02 | WG2017297 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 03/05/2023 13:02 | WG2017297 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 03/05/2023 13:02 | WG2017297 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 03/05/2023 13:02 | WG2017297 |
| *(S) Toluene-d8* | *101* | | | *80.0-120* | | *03/05/2023 13:02* | WG2017297 |
| *(S) 4-Bromofluorobenzene* | *98.4* | | | *77.0-126* | | *03/05/2023 13:02* | WG2017297 |
| *(S) 1,2-Dichloroethane-d4* | *102* | | | *70.0-130* | | *03/05/2023 13:02* | WG2017297 |

## Method Blank (MB)

(MB) R3898687-3 03/05/23 10:11

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 |
| Xylenes, Total | <0.000174 | | 0.000174 | 0.00300 |
| *(S) Toluene-d8* | *99.2* | | | *80.0-120* |
| *(S) 4-Bromofluorobenzene* | *97.3* | | | *77.0-126* |
| *(S) 1,2-Dichloroethane-d4* | *100* | | | *70.0-130* |

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

(LCS) R3898687-1 03/05/23 09:13 • (LCSD) R3898687-2 03/05/23 09:32

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.00500 | 0.00529 | 0.00564 | 106 | 113 | 70.0-123 | | | 6.40 | 20 |
| Toluene | 0.00500 | 0.00499 | 0.00526 | 99.8 | 105 | 79.0-120 | | | 5.27 | 20 |
| Ethylbenzene | 0.00500 | 0.00478 | 0.00489 | 95.6 | 97.8 | 79.0-123 | | | 2.28 | 20 |
| Xylenes, Total | 0.0150 | 0.0141 | 0.0145 | 94.0 | 96.7 | 79.0-123 | | | 2.80 | 20 |
| *(S) Toluene-d8* | | | | *97.2* | *96.4* | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *96.9* | *95.0* | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *102* | *103* | *70.0-130* | | | | |

## Guide to Reading and Understanding Your Laboratory Report

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

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

## Abbreviations and Definitions

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

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

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/Address:
**Plains All American Pipeline**
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

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

Pres Chk

Report to: **Kathleen Buxton**

Email To: **bill.goldsby@entechservice.com;CJBryant@paal**

Project Description: **Hugh Gathering**

City/State Collected: Eunice NM

Please Circle: PT MT CT ET

Phone: **979-997-2338**

Client Project # **PAA12006**

Lab Project # **PLAINSENT-HUGH**

Collected by (print): C. Sackett

Site/Facility ID # **SRS - 2002-10235**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

**MT JULIET, TN**
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 597761

F070

Acctnum: PLAINSENT
Template: T216346
Prelogin: P950815
PM: 3564 - Chad A Upchurch
PB:

Shipped Via:

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | V8260BTEX 40mlAmb-HCl | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| MW3 | | GW | | 3-3-23 | 1100 | 3 | 3 | | -01 |
| MW5 | | GW | | ↑ | 1115 | ↑ | ↑ | | -02 |
| MW4 | | GW | | ↕ | 1130 | ↕ | ↕ | | -03 |
| MW7 | | GW | | ↓ | 1145 | ↓ | ↓ | | -04 |
| DUP-01 | | GW | | 3-3-23 | — | 3 | 3 | | -05 |
| | | GW | | | | | | | |
| | | GW | | | | | | | |
| | | GW | | | | | | | |
| | | GW | | | | | | | |
| | | GW | | | | | | | |

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

**Remarks:**

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: X NP __Y __N
COC Signed/Accurate: X __Y __N
Bottles arrive intact: X __Y __N
Correct bottles used: X __Y __N
Sufficient volume sent: X __Y __N
If Applicable
VOA Zero Headspace: X __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Trip Blank Received: Yes / No HCL / MeoH TBR | If preservation required by Login: Date/Time |
|---|---|---|---|---|---|
| | 3-3-23 | 1350 | | 0 | |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Temp: 3 °C Bottles Received: NSA7 15 | |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: 3/4/23 Time: 0800 | Hold: Condition: NCF / OK |

Pace Analytical®

# ANALYTICAL REPORT

June 30, 2023



## Plains All American Pipeline

| | |
|---|---|
| Sample Delivery Group: | L1627316 |
| Samples Received: | 06/17/2023 |
| Project Number: | PAA12006 |
| Description: | Hugh Gathering |
| Site: | SRS - 2002-10235 |
| Report To: | Bill Goldsby<br>21 Waterway Ave., Suite 300<br>The Woodlands, TX 77380 |

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

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

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

# TABLE OF CONTENTS

## MW1R L1627316-01 GW

Collected by: GF/AH | Collected date/time: 06/15/23 09:40 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2083218 | 50 | 06/24/23 02:21 | 06/24/23 02:21 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG2081468 | 1 | 06/22/23 07:47 | 06/23/23 04:12 | DLH | Mt. Juliet, TN |

## MW2 L1627316-02 GW

Collected by: GF/AH | Collected date/time: 06/15/23 10:55 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2085309 | 20 | 06/28/23 01:18 | 06/28/23 01:18 | DYW | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG2081468 | 21 | 06/22/23 07:47 | 06/28/23 23:05 | JDJ | Mt. Juliet, TN |

## MW3 L1627316-03 GW

Collected by: GF/AH | Collected date/time: 06/15/23 10:15 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2083218 | 1 | 06/23/23 21:43 | 06/23/23 21:43 | JAH | Mt. Juliet, TN |

## MW4 L1627316-04 GW

Collected by: GF/AH | Collected date/time: 06/15/23 09:50 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2085960 | 1 | 06/28/23 17:50 | 06/28/23 17:50 | AV | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG2081468 | 1 | 06/22/23 07:47 | 06/23/23 04:32 | DLH | Mt. Juliet, TN |

## MW5 L1627316-05 GW

Collected by: GF/AH | Collected date/time: 06/15/23 09:00 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2083218 | 1 | 06/23/23 22:04 | 06/23/23 22:04 | JAH | Mt. Juliet, TN |

## MW6 L1627316-06 GW

Collected by: GF/AH | Collected date/time: 06/15/23 09:30 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2083218 | 1 | 06/23/23 22:26 | 06/23/23 22:26 | JAH | Mt. Juliet, TN |

## MW7 L1627316-07 GW

Collected by: GF/AH | Collected date/time: 06/14/23 12:50 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2083218 | 1 | 06/23/23 22:47 | 06/23/23 22:47 | JAH | Mt. Juliet, TN |

## MW8 L1627316-08 GW

Collected by: GF/AH | Collected date/time: 06/15/23 09:30 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2083218 | 1000 | 06/24/23 03:25 | 06/24/23 03:25 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG2081468 | 64 | 06/22/23 07:47 | 06/28/23 23:23 | JDJ | Mt. Juliet, TN |

# SAMPLE SUMMARY



## MW9 L1627316-09 GW

Collected by: GF/AH | Collected date/time: 06/15/23 09:20 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2085309 | 5 | 06/28/23 01:37 | 06/28/23 01:37 | DYW | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG2081468 | 1 | 06/22/23 07:47 | 06/23/23 04:52 | DLH | Mt. Juliet, TN |

## MW10 L1627316-10 GW

Collected by: GF/AH | Collected date/time: 06/15/23 09:10 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2083218 | 100 | 06/24/23 04:08 | 06/24/23 04:08 | JAH | Mt. Juliet, TN |
| Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM | WG2081468 | 1 | 06/22/23 07:47 | 06/28/23 21:56 | JDJ | Mt. Juliet, TN |

## MW11 L1627316-11 GW

Collected by: GF/AH | Collected date/time: 06/14/23 12:00 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2083218 | 1 | 06/23/23 23:08 | 06/23/23 23:08 | JAH | Mt. Juliet, TN |

## MW12 L1627316-12 GW

Collected by: GF/AH | Collected date/time: 06/14/23 11:10 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2083218 | 1 | 06/23/23 23:30 | 06/23/23 23:30 | JAH | Mt. Juliet, TN |

## MW13 L1627316-13 GW

Collected by: GF/AH | Collected date/time: 06/14/23 10:10 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2083218 | 1 | 06/23/23 23:51 | 06/23/23 23:51 | JAH | Mt. Juliet, TN |

## DUP-01 L1627316-14 GW

Collected by: GF/AH | Collected date/time: 06/14/23 00:00 | Received date/time: 06/17/23 08:25

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2085960 | 1 | 06/28/23 18:10 | 06/28/23 18:10 | AV | Mt. Juliet, TN |

# CASE NARRATIVE



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

Chad A Upchurch
Project Manager

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 1.42 | | 0.00471 | 0.0500 | 50 | 06/24/2023 02:21 | WG2083218 |
| Toluene | 0.476 | | 0.0139 | 0.0500 | 50 | 06/24/2023 02:21 | WG2083218 |
| Ethylbenzene | 0.568 | | 0.00685 | 0.0500 | 50 | 06/24/2023 02:21 | WG2083218 |
| Total Xylenes | 1.16 | | 0.00870 | 0.150 | 50 | 06/24/2023 02:21 | WG2083218 |
| *(S) Toluene-d8* | *118* | | | *80.0-120* | | *06/24/2023 02:21* | WG2083218 |
| *(S) 4-Bromofluorobenzene* | *93.2* | | | *77.0-126* | | *06/24/2023 02:21* | WG2083218 |
| *(S) 1,2-Dichloroethane-d4* | *96.6* | | | *70.0-130* | | *06/24/2023 02:21* | WG2083218 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | <0.0000190 | | 0.0000190 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Acenaphthene | 0.000598 | | 0.0000190 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Acenaphthylene | <0.0000171 | | 0.0000171 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Benzo(a)anthracene | <0.0000203 | | 0.0000203 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Benzo(a)pyrene | <0.0000184 | | 0.0000184 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Benzo(b)fluoranthene | <0.0000168 | | 0.0000168 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Benzo(g,h,i)perylene | <0.0000184 | | 0.0000184 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Benzo(k)fluoranthene | <0.0000202 | | 0.0000202 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Chrysene | 0.0000868 | | 0.0000179 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Dibenz(a,h)anthracene | <0.0000160 | | 0.0000160 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Dibenzofuran | 0.00312 | | 0.0000191 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Fluoranthene | 0.0000633 | J | 0.0000270 | 0.000100 | 1 | 06/23/2023 04:12 | WG2081468 |
| Fluorene | 0.00167 | | 0.0000169 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Indeno(1,2,3-cd)pyrene | <0.0000158 | | 0.0000158 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Naphthalene | 0.0513 | | 0.0000917 | 0.000250 | 1 | 06/23/2023 04:12 | WG2081468 |
| Phenanthrene | 0.00309 | | 0.0000180 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| Pyrene | <0.0000169 | | 0.0000169 | 0.0000500 | 1 | 06/23/2023 04:12 | WG2081468 |
| 1-Methylnaphthalene | 0.0386 | | 0.0000687 | 0.000250 | 1 | 06/23/2023 04:12 | WG2081468 |
| 2-Methylnaphthalene | 0.0390 | | 0.0000674 | 0.000250 | 1 | 06/23/2023 04:12 | WG2081468 |
| 2-Chloronaphthalene | <0.0000682 | | 0.0000682 | 0.000250 | 1 | 06/23/2023 04:12 | WG2081468 |
| *(S) Nitrobenzene-d5* | *127* | | | *31.0-160* | | *06/23/2023 04:12* | WG2081468 |
| *(S) 2-Fluorobiphenyl* | *93.0* | | | *48.0-148* | | *06/23/2023 04:12* | WG2081468 |
| *(S) p-Terphenyl-d14* | *96.5* | | | *37.0-146* | | *06/23/2023 04:12* | WG2081468 |

MW2
Collected date/time: 06/15/23 10:55
L1627316

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 0.541 | | 0.00188 | 0.0200 | 20 | 06/28/2023 01:18 | WG2085309 |
| Toluene | <0.00556 | | 0.00556 | 0.0200 | 20 | 06/28/2023 01:18 | WG2085309 |
| Ethylbenzene | 0.821 | | 0.00274 | 0.0200 | 20 | 06/28/2023 01:18 | WG2085309 |
| Total Xylenes | 1.07 | | 0.00348 | 0.0600 | 20 | 06/28/2023 01:18 | WG2085309 |
| *(S) Toluene-d8* | *106* | | | *80.0-120* | | *06/28/2023 01:18* | WG2085309 |
| *(S) 4-Bromofluorobenzene* | *107* | | | *77.0-126* | | *06/28/2023 01:18* | WG2085309 |
| *(S) 1,2-Dichloroethane-d4* | *121* | | | *70.0-130* | | *06/28/2023 01:18* | WG2085309 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | <0.000399 | | 0.000399 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Acenaphthene | 0.00938 | | 0.000399 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Acenaphthylene | <0.000359 | | 0.000359 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Benzo(a)anthracene | <0.000426 | | 0.000426 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Benzo(a)pyrene | <0.000386 | | 0.000386 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Benzo(b)fluoranthene | 0.000582 | J | 0.000353 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Benzo(g,h,i)perylene | 0.000405 | J | 0.000386 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Benzo(k)fluoranthene | <0.000424 | | 0.000424 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Chrysene | 0.00175 | | 0.000376 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Dibenz(a,h)anthracene | <0.000336 | | 0.000336 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Dibenzofuran | 0.0260 | | 0.000401 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Fluoranthene | 0.00202 | J | 0.000567 | 0.00210 | 21 | 06/28/2023 23:05 | WG2081468 |
| Fluorene | 0.0192 | | 0.000355 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Indeno(1,2,3-cd)pyrene | <0.000332 | | 0.000332 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Naphthalene | 0.182 | | 0.00193 | 0.00525 | 21 | 06/28/2023 23:05 | WG2081468 |
| Phenanthrene | 0.0455 | | 0.000378 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| Pyrene | 0.00161 | B | 0.000355 | 0.00105 | 21 | 06/28/2023 23:05 | WG2081468 |
| 1-Methylnaphthalene | 0.262 | | 0.00144 | 0.00525 | 21 | 06/28/2023 23:05 | WG2081468 |
| 2-Methylnaphthalene | 0.292 | | 0.00142 | 0.00525 | 21 | 06/28/2023 23:05 | WG2081468 |
| 2-Chloronaphthalene | <0.00143 | | 0.00143 | 0.00525 | 21 | 06/28/2023 23:05 | WG2081468 |
| *(S) Nitrobenzene-d5* | *0.000* | J7 | | *31.0-160* | | *06/28/2023 23:05* | WG2081468 |
| *(S) 2-Fluorobiphenyl* | *80.0* | J7 | | *48.0-148* | | *06/28/2023 23:05* | WG2081468 |
| *(S) p-Terphenyl-d14* | *112* | J7 | | *37.0-146* | | *06/28/2023 23:05* | WG2081468 |

**Sample Narrative:**

L1627316-02 WG2081468: Dilution due to matrix.

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 0.000132 | J | 0.0000941 | 0.00100 | 1 | 06/23/2023 21:43 | WG2083218 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 06/23/2023 21:43 | WG2083218 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 06/23/2023 21:43 | WG2083218 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 06/23/2023 21:43 | WG2083218 |
| *(S) Toluene-d8* | *116* | | | *80.0-120* | | *06/23/2023 21:43* | WG2083218 |
| *(S) 4-Bromofluorobenzene* | *96.6* | | | *77.0-126* | | *06/23/2023 21:43* | WG2083218 |
| *(S) 1,2-Dichloroethane-d4* | *98.6* | | | *70.0-130* | | *06/23/2023 21:43* | WG2083218 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 0.00166 | | 0.0000941 | 0.00100 | 1 | 06/28/2023 17:50 | WG2085960 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 06/28/2023 17:50 | WG2085960 |
| Ethylbenzene | 0.00328 | | 0.000137 | 0.00100 | 1 | 06/28/2023 17:50 | WG2085960 |
| Total Xylenes | 0.00464 | | 0.000174 | 0.00300 | 1 | 06/28/2023 17:50 | WG2085960 |
| *(S) Toluene-d8* | *103* | | | *80.0-120* | | *06/28/2023 17:50* | WG2085960 |
| *(S) 4-Bromofluorobenzene* | *116* | | | *77.0-126* | | *06/28/2023 17:50* | WG2085960 |
| *(S) 1,2-Dichloroethane-d4* | *107* | | | *70.0-130* | | *06/28/2023 17:50* | WG2085960 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | <0.0000190 | | 0.0000190 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Acenaphthene | 0.000620 | | 0.0000190 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Acenaphthylene | <0.0000171 | | 0.0000171 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Benzo(a)anthracene | <0.0000203 | | 0.0000203 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Benzo(a)pyrene | <0.0000184 | | 0.0000184 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Benzo(b)fluoranthene | <0.0000168 | | 0.0000168 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Benzo(g,h,i)perylene | <0.0000184 | | 0.0000184 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Benzo(k)fluoranthene | <0.0000202 | | 0.0000202 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Chrysene | 0.0000310 | J | 0.0000179 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Dibenz(a,h)anthracene | <0.0000160 | | 0.0000160 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Dibenzofuran | 0.00322 | | 0.0000191 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Fluoranthene | 0.0000291 | J | 0.0000270 | 0.000100 | 1 | 06/23/2023 04:32 | WG2081468 |
| Fluorene | 0.00159 | | 0.0000169 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Indeno(1,2,3-cd)pyrene | <0.0000158 | | 0.0000158 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Naphthalene | 0.0223 | | 0.0000917 | 0.000250 | 1 | 06/23/2023 04:32 | WG2081468 |
| Phenanthrene | 0.00182 | | 0.0000180 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| Pyrene | 0.0000278 | B J | 0.0000169 | 0.0000500 | 1 | 06/23/2023 04:32 | WG2081468 |
| 1-Methylnaphthalene | 0.0539 | | 0.0000687 | 0.000250 | 1 | 06/23/2023 04:32 | WG2081468 |
| 2-Methylnaphthalene | 0.0155 | | 0.0000674 | 0.000250 | 1 | 06/23/2023 04:32 | WG2081468 |
| 2-Chloronaphthalene | <0.0000682 | | 0.0000682 | 0.000250 | 1 | 06/23/2023 04:32 | WG2081468 |
| *(S) Nitrobenzene-d5* | *120* | | | *31.0-160* | | *06/23/2023 04:32* | WG2081468 |
| *(S) 2-Fluorobiphenyl* | *91.0* | | | *48.0-148* | | *06/23/2023 04:32* | WG2081468 |
| *(S) p-Terphenyl-d14* | *94.0* | | | *37.0-146* | | *06/23/2023 04:32* | WG2081468 |

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

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 06/23/2023 22:04 | WG2083218 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 06/23/2023 22:04 | WG2083218 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 06/23/2023 22:04 | WG2083218 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 06/23/2023 22:04 | WG2083218 |
| *(S) Toluene-d8* | *116* | | | *80.0-120* | | *06/23/2023 22:04* | WG2083218 |
| *(S) 4-Bromofluorobenzene* | *93.7* | | | *77.0-126* | | *06/23/2023 22:04* | WG2083218 |
| *(S) 1,2-Dichloroethane-d4* | *97.9* | | | *70.0-130* | | *06/23/2023 22:04* | WG2083218 |

MW6
Collected date/time: 06/15/23 09:30
L1627316

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

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 06/23/2023 22:26 | WG2083218 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 06/23/2023 22:26 | WG2083218 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 06/23/2023 22:26 | WG2083218 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 06/23/2023 22:26 | WG2083218 |
| *(S) Toluene-d8* | *113* | | | *80.0-120* | | *06/23/2023 22:26* | WG2083218 |
| *(S) 4-Bromofluorobenzene* | *95.7* | | | *77.0-126* | | *06/23/2023 22:26* | WG2083218 |
| *(S) 1,2-Dichloroethane-d4* | *99.1* | | | *70.0-130* | | *06/23/2023 22:26* | WG2083218 |

MW-7
Collected date/time: 06/14/23 12:50
L1627316

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

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 06/23/2023 22:47 | WG2083218 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 06/23/2023 22:47 | WG2083218 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 06/23/2023 22:47 | WG2083218 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 06/23/2023 22:47 | WG2083218 |
| *(S) Toluene-d8* | *118* | | | *80.0-120* | | *06/23/2023 22:47* | WG2083218 |
| *(S) 4-Bromofluorobenzene* | *93.1* | | | *77.0-126* | | *06/23/2023 22:47* | WG2083218 |
| *(S) 1,2-Dichloroethane-d4* | *96.1* | | | *70.0-130* | | *06/23/2023 22:47* | WG2083218 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 0.979 | J | 0.0941 | 1.00 | 1000 | 06/24/2023 03:25 | WG2083218 |
| Toluene | <0.278 | | 0.278 | 1.00 | 1000 | 06/24/2023 03:25 | WG2083218 |
| Ethylbenzene | 6.35 | | 0.137 | 1.00 | 1000 | 06/24/2023 03:25 | WG2083218 |
| Total Xylenes | 9.44 | | 0.174 | 3.00 | 1000 | 06/24/2023 03:25 | WG2083218 |
| *(S) Toluene-d8* | *118* | | | *80.0-120* | | *06/24/2023 03:25* | WG2083218 |
| *(S) 4-Bromofluorobenzene* | *95.3* | | | *77.0-126* | | *06/24/2023 03:25* | WG2083218 |
| *(S) 1,2-Dichloroethane-d4* | *98.6* | | | *70.0-130* | | *06/24/2023 03:25* | WG2083218 |

Sample Narrative:

L1627316-08 WG2083218: Non-target compounds too high to run at a lower dilution.

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | <0.00122 | | 0.00122 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Acenaphthene | 0.0541 | | 0.00122 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Acenaphthylene | <0.00109 | | 0.00109 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Benzo(a)anthracene | <0.00130 | | 0.00130 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Benzo(a)pyrene | <0.00118 | | 0.00118 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Benzo(b)fluoranthene | 0.00296 | J | 0.00108 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Benzo(g,h,i)perylene | 0.00171 | J | 0.00118 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Benzo(k)fluoranthene | <0.00129 | | 0.00129 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Chrysene | 0.0116 | | 0.00115 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Dibenz(a,h)anthracene | <0.00102 | | 0.00102 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Dibenzofuran | 0.143 | | 0.00122 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Fluoranthene | 0.0104 | | 0.00173 | 0.00640 | 64 | 06/28/2023 23:23 | WG2081468 |
| Fluorene | 0.114 | | 0.00108 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Indeno(1,2,3-cd)pyrene | <0.00101 | | 0.00101 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Naphthalene | 0.820 | | 0.00587 | 0.0160 | 64 | 06/28/2023 23:23 | WG2081468 |
| Phenanthrene | 0.236 | | 0.00115 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| Pyrene | 0.00808 | | 0.00108 | 0.00320 | 64 | 06/28/2023 23:23 | WG2081468 |
| 1-Methylnaphthalene | 1.49 | | 0.00440 | 0.0160 | 64 | 06/28/2023 23:23 | WG2081468 |
| 2-Methylnaphthalene | 1.72 | | 0.00431 | 0.0160 | 64 | 06/28/2023 23:23 | WG2081468 |
| 2-Chloronaphthalene | <0.00436 | | 0.00436 | 0.0160 | 64 | 06/28/2023 23:23 | WG2081468 |
| *(S) Nitrobenzene-d5* | *0.000* | J7 | | *31.0-160* | | *06/28/2023 23:23* | WG2081468 |
| *(S) 2-Fluorobiphenyl* | *90.6* | J7 | | *48.0-148* | | *06/28/2023 23:23* | WG2081468 |
| *(S) p-Terphenyl-d14* | *142* | J7 | | *37.0-146* | | *06/28/2023 23:23* | WG2081468 |

Sample Narrative:

L1627316-08 WG2081468: Dilution due to matrix.

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 0.0719 | | 0.000471 | 0.00500 | 5 | 06/28/2023 01:37 | WG2085309 |
| Toluene | 0.00312 | J | 0.00139 | 0.00500 | 5 | 06/28/2023 01:37 | WG2085309 |
| Ethylbenzene | 0.0688 | | 0.000685 | 0.00500 | 5 | 06/28/2023 01:37 | WG2085309 |
| Total Xylenes | 0.107 | | 0.000870 | 0.0150 | 5 | 06/28/2023 01:37 | WG2085309 |
| *(S) Toluene-d8* | *103* | | | *80.0-120* | | *06/28/2023 01:37* | WG2085309 |
| *(S) 4-Bromofluorobenzene* | *104* | | | *77.0-126* | | *06/28/2023 01:37* | WG2085309 |
| *(S) 1,2-Dichloroethane-d4* | *128* | | | *70.0-130* | | *06/28/2023 01:37* | WG2085309 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | <0.0000190 | | 0.0000190 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Acenaphthene | 0.000555 | | 0.0000190 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Acenaphthylene | <0.0000171 | | 0.0000171 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Benzo(a)anthracene | <0.0000203 | | 0.0000203 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Benzo(a)pyrene | <0.0000184 | | 0.0000184 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Benzo(b)fluoranthene | <0.0000168 | | 0.0000168 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Benzo(g,h,i)perylene | <0.0000184 | | 0.0000184 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Benzo(k)fluoranthene | <0.0000202 | | 0.0000202 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Chrysene | 0.0000342 | J | 0.0000179 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Dibenz(a,h)anthracene | <0.0000160 | | 0.0000160 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Dibenzofuran | 0.00294 | | 0.0000191 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Fluoranthene | <0.0000270 | | 0.0000270 | 0.000100 | 1 | 06/23/2023 04:52 | WG2081468 |
| Fluorene | 0.00137 | | 0.0000169 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Indeno(1,2,3-cd)pyrene | <0.0000158 | | 0.0000158 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Naphthalene | 0.0204 | | 0.0000917 | 0.000250 | 1 | 06/23/2023 04:52 | WG2081468 |
| Phenanthrene | 0.00201 | | 0.0000180 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| Pyrene | <0.0000169 | | 0.0000169 | 0.0000500 | 1 | 06/23/2023 04:52 | WG2081468 |
| 1-Methylnaphthalene | 0.0223 | | 0.0000687 | 0.000250 | 1 | 06/23/2023 04:52 | WG2081468 |
| 2-Methylnaphthalene | 0.0179 | | 0.0000674 | 0.000250 | 1 | 06/23/2023 04:52 | WG2081468 |
| 2-Chloronaphthalene | <0.0000682 | | 0.0000682 | 0.000250 | 1 | 06/23/2023 04:52 | WG2081468 |
| *(S) Nitrobenzene-d5* | *124* | | | *31.0-160* | | *06/23/2023 04:52* | WG2081468 |
| *(S) 2-Fluorobiphenyl* | *96.0* | | | *48.0-148* | | *06/23/2023 04:52* | WG2081468 |
| *(S) p-Terphenyl-d14* | *97.0* | | | *37.0-146* | | *06/23/2023 04:52* | WG2081468 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 0.252 | | 0.00941 | 0.100 | 100 | 06/24/2023 04:08 | WG2083218 |
| Toluene | 0.0920 | J | 0.0278 | 0.100 | 100 | 06/24/2023 04:08 | WG2083218 |
| Ethylbenzene | 0.548 | | 0.0137 | 0.100 | 100 | 06/24/2023 04:08 | WG2083218 |
| Total Xylenes | 0.783 | | 0.0174 | 0.300 | 100 | 06/24/2023 04:08 | WG2083218 |
| *(S) Toluene-d8* | *116* | | | *80.0-120* | | *06/24/2023 04:08* | WG2083218 |
| *(S) 4-Bromofluorobenzene* | *90.0* | | | *77.0-126* | | *06/24/2023 04:08* | WG2083218 |
| *(S) 1,2-Dichloroethane-d4* | *99.8* | | | *70.0-130* | | *06/24/2023 04:08* | WG2083218 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Anthracene | <0.0000190 | | 0.0000190 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Acenaphthene | 0.000901 | | 0.0000190 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Acenaphthylene | <0.0000171 | | 0.0000171 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Benzo(a)anthracene | <0.0000203 | | 0.0000203 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Benzo(a)pyrene | <0.0000184 | | 0.0000184 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Benzo(b)fluoranthene | <0.0000168 | | 0.0000168 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Benzo(g,h,i)perylene | 0.0000194 | J | 0.0000184 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Benzo(k)fluoranthene | <0.0000202 | | 0.0000202 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Chrysene | 0.000132 | | 0.0000179 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Dibenz(a,h)anthracene | <0.0000160 | | 0.0000160 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Dibenzofuran | 0.00393 | | 0.0000191 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Fluoranthene | 0.0000999 | J | 0.0000270 | 0.000100 | 1 | 06/28/2023 21:56 | WG2081468 |
| Fluorene | 0.00232 | | 0.0000169 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Indeno(1,2,3-cd)pyrene | <0.0000158 | | 0.0000158 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Naphthalene | 0.0806 | | 0.0000917 | 0.000250 | 1 | 06/28/2023 21:56 | WG2081468 |
| Phenanthrene | 0.00387 | | 0.0000180 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| Pyrene | 0.000107 | B | 0.0000169 | 0.0000500 | 1 | 06/28/2023 21:56 | WG2081468 |
| 1-Methylnaphthalene | 0.0518 | | 0.0000687 | 0.000250 | 1 | 06/28/2023 21:56 | WG2081468 |
| 2-Methylnaphthalene | 0.0476 | | 0.0000674 | 0.000250 | 1 | 06/28/2023 21:56 | WG2081468 |
| 2-Chloronaphthalene | <0.0000682 | | 0.0000682 | 0.000250 | 1 | 06/28/2023 21:56 | WG2081468 |
| *(S) Nitrobenzene-d5* | *144* | | | *31.0-160* | | *06/28/2023 21:56* | WG2081468 |
| *(S) 2-Fluorobiphenyl* | *101* | | | *48.0-148* | | *06/28/2023 21:56* | WG2081468 |
| *(S) p-Terphenyl-d14* | *108* | | | *37.0-146* | | *06/28/2023 21:56* | WG2081468 |

MW-11
Collected date/time: 06/14/23 12:00
L1627316

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 06/23/2023 23:08 | WG2083218 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 06/23/2023 23:08 | WG2083218 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 06/23/2023 23:08 | WG2083218 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 06/23/2023 23:08 | WG2083218 |
| *(S) Toluene-d8* | *114* | | | *80.0-120* | | *06/23/2023 23:08* | WG2083218 |
| *(S) 4-Bromofluorobenzene* | *96.4* | | | *77.0-126* | | *06/23/2023 23:08* | WG2083218 |
| *(S) 1,2-Dichloroethane-d4* | *103* | | | *70.0-130* | | *06/23/2023 23:08* | WG2083218 |

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

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 06/23/2023 23:30 | WG2083218 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 06/23/2023 23:30 | WG2083218 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 06/23/2023 23:30 | WG2083218 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 06/23/2023 23:30 | WG2083218 |
| *(S) Toluene-d8* | *118* | | | *80.0-120* | | *06/23/2023 23:30* | WG2083218 |
| *(S) 4-Bromofluorobenzene* | *95.9* | | | *77.0-126* | | *06/23/2023 23:30* | WG2083218 |
| *(S) 1,2-Dichloroethane-d4* | *102* | | | *70.0-130* | | *06/23/2023 23:30* | WG2083218 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 06/23/2023 23:51 | WG2083218 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 06/23/2023 23:51 | WG2083218 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 06/23/2023 23:51 | WG2083218 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 06/23/2023 23:51 | WG2083218 |
| *(S) Toluene-d8* | *116* | | | *80.0-120* | | *06/23/2023 23:51* | WG2083218 |
| *(S) 4-Bromofluorobenzene* | *95.3* | | | *77.0-126* | | *06/23/2023 23:51* | WG2083218 |
| *(S) 1,2-Dichloroethane-d4* | *101* | | | *70.0-130* | | *06/23/2023 23:51* | WG2083218 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 06/28/2023 18:10 | WG2085960 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 06/28/2023 18:10 | WG2085960 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 06/28/2023 18:10 | WG2085960 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 06/28/2023 18:10 | WG2085960 |
| *(S) Toluene-d8* | *105* | | | *80.0-120* | | *06/28/2023 18:10* | WG2085960 |
| *(S) 4-Bromofluorobenzene* | *100* | | | *77.0-126* | | *06/28/2023 18:10* | WG2085960 |
| *(S) 1,2-Dichloroethane-d4* | *102* | | | *70.0-130* | | *06/28/2023 18:10* | WG2085960 |

## Method Blank (MB)

(MB) R3941815-3 06/23/23 21:11

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 |
| *(S) Toluene-d8* | *117* | | | *80.0-120* |
| *(S) 4-Bromofluorobenzene* | *96.0* | | | *77.0-126* |
| *(S) 1,2-Dichloroethane-d4* | *99.3* | | | *70.0-130* |

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

(LCS) R3941815-1 06/23/23 20:05 • (LCSD) R3941815-2 06/23/23 20:27

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.00500 | 0.00436 | 0.00429 | 87.2 | 85.8 | 70.0-123 | | | 1.62 | 20 |
| Toluene | 0.00500 | 0.00535 | 0.00515 | 107 | 103 | 79.0-120 | | | 3.81 | 20 |
| Ethylbenzene | 0.00500 | 0.00537 | 0.00537 | 107 | 107 | 79.0-123 | | | 0.000 | 20 |
| Total Xylenes | 0.0150 | 0.0159 | 0.0156 | 106 | 104 | 79.0-123 | | | 1.90 | 20 |
| *(S) Toluene-d8* | | | | *114* | *116* | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *93.3* | *93.4* | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *99.4* | *98.3* | *70.0-130* | | | | |

## L1627317-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1627317-02 06/24/23 00:34 • (MS) R3941815-4 06/24/23 04:51 • (MSD) R3941815-5 06/24/23 05:12

| Analyte | Spike Amount mg/l | Original Result mg/l | MS Result mg/l | MSD Result mg/l | MS Rec. % | MSD Rec. % | Dilution | Rec. Limits % | MS Qualifier | MSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.00500 | 0.000626 | 0.00584 | 0.00564 | 104 | 100 | 1 | 17.0-158 | | | 3.48 | 27 |
| Toluene | 0.00500 | 0.000617 | 0.00629 | 0.00652 | 113 | 118 | 1 | 26.0-154 | | | 3.59 | 28 |
| Ethylbenzene | 0.00500 | <0.000137 | 0.00643 | 0.00628 | 129 | 126 | 1 | 30.0-155 | | | 2.36 | 27 |
| Total Xylenes | 0.0150 | 0.000836 | 0.0184 | 0.0190 | 117 | 121 | 1 | 29.0-154 | | | 3.21 | 28 |
| *(S) Toluene-d8* | | | | | *107* | *112* | | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | | *95.8* | *98.4* | | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | | *98.6* | *96.9* | | *70.0-130* | | | | |

## Method Blank (MB)

(MB) R3942223-3 06/27/23 21:29

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 |
| *(S) Toluene-d8* | *107* | | | *80.0-120* |
| *(S) 4-Bromofluorobenzene* | *102* | | | *77.0-126* |
| *(S) 1,2-Dichloroethane-d4* | *128* | | | *70.0-130* |

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

(LCS) R3942223-1 06/27/23 19:06 • (LCSD) R3942223-2 06/27/23 21:10

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.00500 | 0.00461 | 0.00417 | 92.2 | 83.4 | 70.0-123 | | | 10.0 | 20 |
| Toluene | 0.00500 | 0.00436 | 0.00408 | 87.2 | 81.6 | 79.0-120 | | | 6.64 | 20 |
| Ethylbenzene | 0.00500 | 0.00455 | 0.00423 | 91.0 | 84.6 | 79.0-123 | | | 7.29 | 20 |
| Total Xylenes | 0.0150 | 0.0139 | 0.0124 | 92.7 | 82.7 | 79.0-123 | | | 11.4 | 20 |
| *(S) Toluene-d8* | | | | *107* | *105* | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *107* | *100* | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *126* | *125* | *70.0-130* | | | | |

## Method Blank (MB)

(MB) R3942973-2 06/28/23 16:24

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 |
| *(S) Toluene-d8* | *104* | | | *80.0-120* |
| *(S) 4-Bromofluorobenzene* | *108* | | | *77.0-126* |
| *(S) 1,2-Dichloroethane-d4* | *105* | | | *70.0-130* |

## Laboratory Control Sample (LCS)

(LCS) R3942973-1 06/28/23 15:30

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---|---|---|---|---|---|
| Benzene | 0.00500 | 0.00452 | 90.4 | 70.0-123 | |
| Toluene | 0.00500 | 0.00417 | 83.4 | 79.0-120 | |
| Ethylbenzene | 0.00500 | 0.00467 | 93.4 | 79.0-123 | |
| Total Xylenes | 0.0150 | 0.0135 | 90.0 | 79.0-123 | |
| *(S) Toluene-d8* | | | *92.5* | *80.0-120* | |
| *(S) 4-Bromofluorobenzene* | | | *96.4* | *77.0-126* | |
| *(S) 1,2-Dichloroethane-d4* | | | *105* | *70.0-130* | |

## Method Blank (MB)

(MB) R3942170-3 06/23/23 01:34

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Anthracene | <0.0000190 | | 0.0000190 | 0.0000500 |
| Acenaphthene | <0.0000190 | | 0.0000190 | 0.0000500 |
| Acenaphthylene | <0.0000171 | | 0.0000171 | 0.0000500 |
| Benzo(a)anthracene | <0.0000203 | | 0.0000203 | 0.0000500 |
| Benzo(a)pyrene | <0.0000184 | | 0.0000184 | 0.0000500 |
| Benzo(b)fluoranthene | <0.0000168 | | 0.0000168 | 0.0000500 |
| Benzo(g,h,i)perylene | <0.0000184 | | 0.0000184 | 0.0000500 |
| Benzo(k)fluoranthene | <0.0000202 | | 0.0000202 | 0.0000500 |
| Chrysene | <0.0000179 | | 0.0000179 | 0.0000500 |
| Dibenz(a,h)anthracene | <0.0000160 | | 0.0000160 | 0.0000500 |
| Dibenzofuran | <0.0000191 | | 0.0000191 | 0.0000500 |
| Fluoranthene | <0.0000270 | | 0.0000270 | 0.000100 |
| Fluorene | <0.0000169 | | 0.0000169 | 0.0000500 |
| Indeno(1,2,3-cd)pyrene | <0.0000158 | | 0.0000158 | 0.0000500 |
| Naphthalene | <0.0000917 | | 0.0000917 | 0.000250 |
| Phenanthrene | 0.0000228 | J | 0.0000180 | 0.0000500 |
| Pyrene | 0.0000214 | J | 0.0000169 | 0.0000500 |
| 1-Methylnaphthalene | <0.0000687 | | 0.0000687 | 0.000250 |
| 2-Methylnaphthalene | <0.0000674 | | 0.0000674 | 0.000250 |
| 2-Chloronaphthalene | <0.0000682 | | 0.0000682 | 0.000250 |
| *(S) Nitrobenzene-d5* | *119* | | | *31.0-160* |
| *(S) 2-Fluorobiphenyl* | *109* | | | *48.0-148* |
| *(S) p-Terphenyl-d14* | *112* | | | *37.0-146* |

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

(LCS) R3942170-1 06/23/23 00:54 • (LCSD) R3942170-2 06/23/23 01:14

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Anthracene | 0.00200 | 0.00231 | 0.00214 | 115 | 107 | 67.0-150 | | | 7.64 | 20 |
| Acenaphthene | 0.00200 | 0.00230 | 0.00213 | 115 | 106 | 65.0-138 | | | 7.67 | 20 |
| Acenaphthylene | 0.00200 | 0.00262 | 0.00241 | 131 | 120 | 66.0-140 | | | 8.35 | 20 |
| Benzo(a)anthracene | 0.00200 | 0.00257 | 0.00231 | 129 | 115 | 61.0-140 | | | 10.7 | 20 |
| Benzo(a)pyrene | 0.00200 | 0.00267 | 0.00240 | 134 | 120 | 60.0-143 | | | 10.7 | 20 |
| Benzo(b)fluoranthene | 0.00200 | 0.00274 | 0.00248 | 137 | 124 | 58.0-141 | | | 9.96 | 20 |
| Benzo(g,h,i)perylene | 0.00200 | 0.00235 | 0.00214 | 117 | 107 | 52.0-153 | | | 9.35 | 20 |
| Benzo(k)fluoranthene | 0.00200 | 0.00266 | 0.00238 | 133 | 119 | 58.0-148 | | | 11.1 | 20 |
| Chrysene | 0.00200 | 0.00278 | 0.00255 | 139 | 128 | 64.0-144 | | | 8.63 | 20 |
| Dibenz(a,h)anthracene | 0.00200 | 0.00209 | 0.00188 | 105 | 94.0 | 52.0-155 | | | 10.6 | 20 |

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

(LCS) R3942170-1 06/23/23 00:54 • (LCSD) R3942170-2 06/23/23 01:14

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Dibenzofuran | 0.00200 | 0.00247 | 0.00230 | 123 | 115 | 67.0-134 | | | 7.13 | 20 |
| Fluoranthene | 0.00200 | 0.00241 | 0.00227 | 120 | 114 | 69.0-153 | | | 5.98 | 20 |
| Fluorene | 0.00200 | 0.00229 | 0.00216 | 114 | 108 | 64.0-136 | | | 5.84 | 20 |
| Indeno(1,2,3-cd)pyrene | 0.00200 | 0.00252 | 0.00226 | 126 | 113 | 54.0-153 | | | 10.9 | 20 |
| Naphthalene | 0.00200 | 0.00255 | 0.00237 | 128 | 118 | 61.0-137 | | | 7.32 | 20 |
| Phenanthrene | 0.00200 | 0.00253 | 0.00237 | 126 | 118 | 62.0-137 | | | 6.53 | 20 |
| Pyrene | 0.00200 | 0.00279 | 0.00259 | 140 | 129 | 60.0-142 | | | 7.43 | 20 |
| 1-Methylnaphthalene | 0.00200 | 0.00251 | 0.00231 | 125 | 115 | 66.0-142 | | | 8.30 | 20 |
| 2-Methylnaphthalene | 0.00200 | 0.00239 | 0.00223 | 119 | 111 | 62.0-136 | | | 6.93 | 20 |
| 2-Chloronaphthalene | 0.00200 | 0.00242 | 0.00220 | 121 | 110 | 64.0-140 | | | 9.52 | 20 |
| *(S) Nitrobenzene-d5* | | | | *128* | *119* | *31.0-160* | | | | |
| *(S) 2-Fluorobiphenyl* | | | | *119* | *110* | *48.0-148* | | | | |
| *(S) p-Terphenyl-d14* | | | | *119* | *110* | *37.0-146* | | | | |

## Guide to Reading and Understanding Your Laboratory Report

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

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

## Abbreviations and Definitions

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

| Qualifier | Description |
|---|---|
| B | The same analyte is found in the associated blank. |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J7 | Surrogate recovery cannot be used for control limit evaluation due to dilution. |

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Plains All American Pipeline

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

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

Report to: Bill Goldsby

Email To: bill.goldsby@entechservice.com;CJBryant@paal

Project Description: Hugh Gathering

City/State Collected:

Please Circle: PT MT CT ET

Phone: 281-507-3578

Client Project # PAA12006

Lab Project # PLAINSENT-HUGH

Collected by (print): Greg Flores / Albert H

Collected by (signature): Greg FLO

Immediately Packed on Ice N ___ Y ✓

Site/Facility ID # SRS - 2002-10235

P.O. #

Quote #

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

Date Results Needed

Analysis / Container / Preservative

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | PAHSIMLVI 40mlAmb-NoPres-WT | V8260BTEX 40mlAmb-HCl | | | | | | | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW 1R | | GW | | 6.15.23 | 9:40 | 4 | X | X | | | | | | | | -01 |
| mw 2 | | GW | | 6.15.23 | 1055 | 4 | X | X | | | | | | | | -02 |
| mw 3 | | GW | | 6.15.23 | 10:15 | 2 | | X | | | | | | | | -03 |
| mw 4 | | GW | | 6.15.23 | 9:50 | 4 | X | X | | | | | | | | -04 |
| mw 5 | | GW | | 6.15.23 | 9:00 | 2 | | X | | | | | | | | -05 |
| mw 6 | | GW | | 6.15.23 | 9:30 | 2 | | X | | | | | | | | -06 |
| mw 7 | | GW | | 6.14.23 | 1250 | 2 | | X | | | | | | | | -07 |
| mw 8 | | GW | | 6.15.23 | 9:30 | 4 | X | X | | | | | | | | -08 |
| mw 9 | | GW | | 6.15.23 | 9:20 | 4 | X | X | | | | | | | | -09 |
| mw 10 | | GW | | 6.15.23 | 9:10 | 4 | X | X | | | | | | | | -10 |

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1627316

F122

Acctnum: PLAINSENT
Template: T216346
Prelogin: P1004586
PM: 3564 - Chad A Upchurch
PB:

Shipped Via:

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

Remarks:

pH ___ Temp ___

Flow ___ Other ___

Samples returned via:
__ UPS __ FedEx __ Courier ___

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Trip Blank Received: Yes / No HCL / MeoH TBR | If preservation required by Login: Date/Time |
|---|---|---|---|---|---|
| Greg Flores | 6/16/23 | 10:30 | [illegible] | | |
| [illegible] | 6/16/23 | 1700 | SWA | Temp: VSA °C 3.4+0=3.4 Bottles Received: 40 | |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: 6/17/23 Time: 825 | Hold: / Condition: NCF / OK |

Company Name / Address: Plains All American Pipeline
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

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

Pres Chk

Report to: Bill Goldsby

Email To: bill.goldsby@entechservice.com;CJBryant@paal

Project Description: Hugh Gathering

City/State Collected:

Please Circle: PT MT CT ET

Phone: 281-507-3578

Client Project #: PAA12006

Lab Project #: PLAINSENT-HUGH

Collected by (print): Greg Flores / Albert H.

Site/Facility ID #: SRS - 2002-10235

P.O. #

Collected by (signature): Greg H

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

PAHSIMLVI 40mlAmb-NoPres-WT

V8260BTEX 40mlAmb-HCl

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1627316

Table #

Acctnum: PLAINSENT

Template: T216346

Prelogin: P1004586

PM: 3564 - Chad A Upchurch

PB:

Shipped Via:

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | PAHSIMLVI | V8260BTEX | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|
| mw 11 | | GW | | 6.14.23 | 1200 | 2 | | X | | - 11 |
| mw 12 | | GW | | 6.14.23 | 11:10 | 2 | | X | | - 12 |
| mw 13 | | GW | | 6.14.23 | 10.10 | 2 | | X | | - 13 |
| Dup-01 | | GW | | — | — | 2 | | X | | - 14 |

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Trip Blank Received: Yes / (No) HCL / MeoH TBR | |
|---|---|---|---|---|---|
| Greg H | 6/16/23 | 10:30 | | | |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) | Temp: NS+T °C | Bottles Received: |
| | 6/16/23 | 1700 | SWA | 3.4+0=3.4 | 40 |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: | Time: |
| | | | Ei Bozzuto 17 | 6-17-23 | 825 |

If preservation required by Login: Date/Time

Hold: Condition: NCF (OK)

Pace Analytical®

# ANALYTICAL REPORT

September 15, 2023



## Plains All American Pipeline

| | |
|---|---|
| Sample Delivery Group: | L1654057 |
| Samples Received: | 09/08/2023 |
| Project Number: | PAA12006 |
| Description: | Hugh Gathering |
| Site: | SRS - 2002-10235 |
| Report To: | Bill Goldsby<br>21 Waterway Ave., Suite 300<br>The Woodlands, TX 77380 |

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

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

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

# TABLE OF CONTENTS

## MW 3 L1654057-01 GW

Collected by: GF/AH | Collected date/time: 09/07/23 10:30 | Received date/time: 09/08/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2129425 | 1 | 09/10/23 00:55 | 09/10/23 00:55 | JAH | Mt. Juliet, TN |

## MW 5 L1654057-02 GW

Collected by: GF/AH | Collected date/time: 09/07/23 10:40 | Received date/time: 09/08/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2129425 | 1 | 09/10/23 01:14 | 09/10/23 01:14 | JAH | Mt. Juliet, TN |

## MW 6 L1654057-03 GW

Collected by: GF/AH | Collected date/time: 09/07/23 10:50 | Received date/time: 09/08/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2129425 | 1 | 09/10/23 01:33 | 09/10/23 01:33 | JAH | Mt. Juliet, TN |

## MW 7 L1654057-04 GW

Collected by: GF/AH | Collected date/time: 09/07/23 11:00 | Received date/time: 09/08/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2129425 | 1 | 09/10/23 01:52 | 09/10/23 01:52 | JAH | Mt. Juliet, TN |

## MW 11 L1654057-05 GW

Collected by: GF/AH | Collected date/time: 09/07/23 11:15 | Received date/time: 09/08/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2129425 | 1 | 09/10/23 02:12 | 09/10/23 02:12 | JAH | Mt. Juliet, TN |

## MW 12 L1654057-06 GW

Collected by: GF/AH | Collected date/time: 09/07/23 11:35 | Received date/time: 09/08/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2129425 | 1 | 09/10/23 02:31 | 09/10/23 02:31 | JAH | Mt. Juliet, TN |

## MW 13 L1654057-07 GW

Collected by: GF/AH | Collected date/time: 09/07/23 11:45 | Received date/time: 09/08/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2129425 | 1 | 09/10/23 02:50 | 09/10/23 02:50 | JAH | Mt. Juliet, TN |

## DUP-01 L1654057-08 GW

Collected by: GF/AH | Collected date/time: 09/07/23 00:00 | Received date/time: 09/08/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2129424 | 1 | 09/09/23 22:07 | 09/09/23 22:07 | JAH | Mt. Juliet, TN |

# CASE NARRATIVE



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

Chad A Upchurch
Project Manager

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 0.00136 | | 0.0000941 | 0.00100 | 1 | 09/10/2023 00:55 | WG2129425 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 09/10/2023 00:55 | WG2129425 |
| Ethylbenzene | 0.00110 | | 0.000137 | 0.00100 | 1 | 09/10/2023 00:55 | WG2129425 |
| Total Xylenes | 0.00401 | | 0.000174 | 0.00300 | 1 | 09/10/2023 00:55 | WG2129425 |
| *(S) Toluene-d8* | *104* | | | *80.0-120* | | *09/10/2023 00:55* | WG2129425 |
| *(S) 4-Bromofluorobenzene* | *96.6* | | | *77.0-126* | | *09/10/2023 00:55* | WG2129425 |
| *(S) 1,2-Dichloroethane-d4* | *113* | | | *70.0-130* | | *09/10/2023 00:55* | WG2129425 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 09/10/2023 01:14 | WG2129425 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 09/10/2023 01:14 | WG2129425 |
| Ethylbenzene | 0.000247 | J | 0.000137 | 0.00100 | 1 | 09/10/2023 01:14 | WG2129425 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 09/10/2023 01:14 | WG2129425 |
| *(S) Toluene-d8* | *102* | | | *80.0-120* | | *09/10/2023 01:14* | WG2129425 |
| *(S) 4-Bromofluorobenzene* | *92.9* | | | *77.0-126* | | *09/10/2023 01:14* | WG2129425 |
| *(S) 1,2-Dichloroethane-d4* | *112* | | | *70.0-130* | | *09/10/2023 01:14* | WG2129425 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 09/10/2023 01:33 | WG2129425 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 09/10/2023 01:33 | WG2129425 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 09/10/2023 01:33 | WG2129425 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 09/10/2023 01:33 | WG2129425 |
| *(S) Toluene-d8* | *106* | | | *80.0-120* | | *09/10/2023 01:33* | WG2129425 |
| *(S) 4-Bromofluorobenzene* | *95.1* | | | *77.0-126* | | *09/10/2023 01:33* | WG2129425 |
| *(S) 1,2-Dichloroethane-d4* | *114* | | | *70.0-130* | | *09/10/2023 01:33* | WG2129425 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 09/10/2023 01:52 | WG2129425 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 09/10/2023 01:52 | WG2129425 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 09/10/2023 01:52 | WG2129425 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 09/10/2023 01:52 | WG2129425 |
| *(S) Toluene-d8* | *105* | | | *80.0-120* | | *09/10/2023 01:52* | WG2129425 |
| *(S) 4-Bromofluorobenzene* | *92.0* | | | *77.0-126* | | *09/10/2023 01:52* | WG2129425 |
| *(S) 1,2-Dichloroethane-d4* | *117* | | | *70.0-130* | | *09/10/2023 01:52* | WG2129425 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 09/10/2023 02:12 | WG2129425 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 09/10/2023 02:12 | WG2129425 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 09/10/2023 02:12 | WG2129425 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 09/10/2023 02:12 | WG2129425 |
| *(S) Toluene-d8* | *105* | | | *80.0-120* | | *09/10/2023 02:12* | WG2129425 |
| *(S) 4-Bromofluorobenzene* | *95.4* | | | *77.0-126* | | *09/10/2023 02:12* | WG2129425 |
| *(S) 1,2-Dichloroethane-d4* | *114* | | | *70.0-130* | | *09/10/2023 02:12* | WG2129425 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 09/10/2023 02:31 | WG2129425 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 09/10/2023 02:31 | WG2129425 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 09/10/2023 02:31 | WG2129425 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 09/10/2023 02:31 | WG2129425 |
| *(S) Toluene-d8* | *102* | | | *80.0-120* | | *09/10/2023 02:31* | WG2129425 |
| *(S) 4-Bromofluorobenzene* | *96.9* | | | *77.0-126* | | *09/10/2023 02:31* | WG2129425 |
| *(S) 1,2-Dichloroethane-d4* | *115* | | | *70.0-130* | | *09/10/2023 02:31* | WG2129425 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 09/10/2023 02:50 | WG2129425 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 09/10/2023 02:50 | WG2129425 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 09/10/2023 02:50 | WG2129425 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 09/10/2023 02:50 | WG2129425 |
| *(S) Toluene-d8* | *105* | | | *80.0-120* | | *09/10/2023 02:50* | WG2129425 |
| *(S) 4-Bromofluorobenzene* | *97.1* | | | *77.0-126* | | *09/10/2023 02:50* | WG2129425 |
| *(S) 1,2-Dichloroethane-d4* | *116* | | | *70.0-130* | | *09/10/2023 02:50* | WG2129425 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 09/09/2023 22:07 | WG2129424 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 09/09/2023 22:07 | WG2129424 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 09/09/2023 22:07 | WG2129424 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 09/09/2023 22:07 | WG2129424 |
| *(S) Toluene-d8* | *98.6* | | | *80.0-120* | | *09/09/2023 22:07* | WG2129424 |
| *(S) 4-Bromofluorobenzene* | *97.2* | | | *77.0-126* | | *09/09/2023 22:07* | WG2129424 |
| *(S) 1,2-Dichloroethane-d4* | *95.9* | | | *70.0-130* | | *09/09/2023 22:07* | WG2129424 |

## Method Blank (MB)

(MB) R3973114-3 09/09/23 18:32

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 |
| *(S) Toluene-d8* | *101* | | | *80.0-120* |
| *(S) 4-Bromofluorobenzene* | *95.6* | | | *77.0-126* |
| *(S) 1,2-Dichloroethane-d4* | *97.3* | | | *70.0-130* |

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

(LCS) R3973114-1 09/09/23 17:16 • (LCSD) R3973114-2 09/09/23 17:35

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.00500 | 0.00462 | 0.00483 | 92.4 | 96.6 | 70.0-123 | | | 4.44 | 20 |
| Toluene | 0.00500 | 0.00470 | 0.00484 | 94.0 | 96.8 | 79.0-120 | | | 2.94 | 20 |
| Ethylbenzene | 0.00500 | 0.00476 | 0.00511 | 95.2 | 102 | 79.0-123 | | | 7.09 | 20 |
| Total Xylenes | 0.0150 | 0.0144 | 0.0147 | 96.0 | 98.0 | 79.0-123 | | | 2.06 | 20 |
| *(S) Toluene-d8* | | | | *100* | *101* | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *95.8* | *97.9* | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *94.4* | *96.3* | *70.0-130* | | | | |

## Method Blank (MB)

(MB) R3973069-3 09/09/23 20:14

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 |
| *(S) Toluene-d8* | *106* | | | *80.0-120* |
| *(S) 4-Bromofluorobenzene* | *93.6* | | | *77.0-126* |
| *(S) 1,2-Dichloroethane-d4* | *114* | | | *70.0-130* |

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

(LCS) R3973069-1 09/09/23 19:17 • (LCSD) R3973069-2 09/09/23 19:36

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.00500 | 0.00519 | 0.00510 | 104 | 102 | 70.0-123 | | | 1.75 | 20 |
| Toluene | 0.00500 | 0.00472 | 0.00453 | 94.4 | 90.6 | 79.0-120 | | | 4.11 | 20 |
| Ethylbenzene | 0.00500 | 0.00454 | 0.00416 | 90.8 | 83.2 | 79.0-123 | | | 8.74 | 20 |
| Total Xylenes | 0.0150 | 0.0133 | 0.0126 | 88.7 | 84.0 | 79.0-123 | | | 5.41 | 20 |
| *(S) Toluene-d8* | | | | *104* | *102* | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *95.6* | *93.8* | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *116* | *116* | *70.0-130* | | | | |

## Guide to Reading and Understanding Your Laboratory Report

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

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

## Abbreviations and Definitions

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

| Qualifier | Description |
|---|---|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/Address:
**Plains All American Pipeline**

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

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

Pres Chk

Report to: **Bill Goldsby**

Email To: **bill.goldsby@entechservice.com;CJBryant@paal**

Project Description: **Hugh Gathering**

City/State Collected:

Please Circle: PT MT CT ET

Phone: **281-507-3578**

Client Project # **PAA12006**

Lab Project # **PLAINSENT-HUGH**

Collected by (print): Greg Flores / Albert Herrera

Site/Facility ID # **SRS - 2002-10235**

P.O. #

Collected by (signature): Greg Flores

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | V8260BTEX 40mlAmb-HCl | | | | | | | | | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW 3 | | GW | | 9-7-23 | 10:30 | 2 | X | | | | | | | | | | -01 |
| MW 5 | | GW | | | 10:40 | | X | | | | | | | | | | -02 |
| MW 6 | | GW | | | 10:50 | | X | | | | | | | | | | -03 |
| MW 7 | | GW | | | 11:00 | | X | | | | | | | | | | -04 |
| MW 11 | | GW | | | 11:15 | | X | | | | | | | | | | -05 |
| MW 12 | | GW | | | 11:35 | | X | | | | | | | | | | -06 |
| MW 13 | | GW | | | 11:45 | | X | | | | | | | | | | -07 |
| Dup-01 | | GW | | | — | | X | | | | | | | | | | -08 |
| | | GW | | | | | X | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 165405
F014

Acctnum: PLAINSENT
Template: T237336
Prelogin: P1022793
PM: 3564 - Chad A Upchurch
PB:

Shipped Via:

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

Remarks:

pH ___ Temp ___

Flow ___ Other ___

Samples returned via: __ UPS __ FedEx __ Courier ___

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP ✓Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ___Y __N
Preservation Correct/Checked: (Y) __N
RAD Screen <0.5 mR/hr: (Y) __N

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Trip Blank Received: Yes / (No) HCL / MeoH TBR | |
|---|---|---|---|---|---|
| Greg Flores | 9/8/23 | 2:00 | | | |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) | Temp: °C Bottles Received: | If preservation required by Login: Date/Time |
| | 9/8/23 | 1200 | SMA | GBAS 3.6+0=3.6 | |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) | Date: Time: | Hold: Condition: NCF / (OK) |
| | | | | 9-8-23 8:01 | |

# ANALYTICAL REPORT

October 30, 2023



## Plains All American Pipeline

| | |
|---|---|
| Sample Delivery Group: | L1669248 |
| Samples Received: | 10/21/2023 |
| Project Number: | PAA12006 |
| Description: | Hugh Gathering |
| Site: | SRS - 2002-10235 |
| Report To: | Bill Goldsby<br>21 Waterway Ave., Suite 300<br>The Woodlands, TX 77380 |

Entire Report Reviewed By:

Chad A Upchurch
Project Manager

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

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

# TABLE OF CONTENTS

# SAMPLE SUMMARY



## MW 3 L1669248-01 GW

Collected by: Albert Herrera | Collected date/time: 10/19/23 11:35 | Received date/time: 10/21/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2159430 | 1 | 10/27/23 15:15 | 10/27/23 15:15 | DYW | Mt. Juliet, TN |

## MW 5 L1669248-02 GW

Collected by: Albert Herrera | Collected date/time: 10/19/23 11:25 | Received date/time: 10/21/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2159430 | 1 | 10/27/23 15:37 | 10/27/23 15:37 | DYW | Mt. Juliet, TN |

## MW 6 L1669248-03 GW

Collected by: Albert Herrera | Collected date/time: 10/19/23 11:15 | Received date/time: 10/21/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2159430 | 1 | 10/27/23 15:59 | 10/27/23 15:59 | DYW | Mt. Juliet, TN |

## MW 7 L1669248-04 GW

Collected by: Albert Herrera | Collected date/time: 10/19/23 11:00 | Received date/time: 10/21/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2159430 | 1 | 10/27/23 16:21 | 10/27/23 16:21 | DYW | Mt. Juliet, TN |

## MW 11 L1669248-05 GW

Collected by: Albert Herrera | Collected date/time: 10/19/23 10:45 | Received date/time: 10/21/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2159430 | 1 | 10/27/23 16:42 | 10/27/23 16:42 | DYW | Mt. Juliet, TN |

## MW 12 L1669248-06 GW

Collected by: Albert Herrera | Collected date/time: 10/19/23 10:30 | Received date/time: 10/21/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2159430 | 1 | 10/27/23 17:04 | 10/27/23 17:04 | DYW | Mt. Juliet, TN |

## MW 13 L1669248-07 GW

Collected by: Albert Herrera | Collected date/time: 10/19/23 10:00 | Received date/time: 10/21/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2159430 | 1 | 10/27/23 17:26 | 10/27/23 17:26 | DYW | Mt. Juliet, TN |

## DUP-01 L1669248-08 GW

Collected by: Albert Herrera | Collected date/time: 10/19/23 00:00 | Received date/time: 10/21/23 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|---|---|---|---|---|---|
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG2159430 | 1 | 10/27/23 17:47 | 10/27/23 17:47 | DYW | Mt. Juliet, TN |

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

# CASE NARRATIVE



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

Chad A Upchurch
Project Manager

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 0.000149 | J | 0.0000941 | 0.00100 | 1 | 10/27/2023 15:15 | WG2159430 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 10/27/2023 15:15 | WG2159430 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 10/27/2023 15:15 | WG2159430 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 10/27/2023 15:15 | WG2159430 |
| *(S) Toluene-d8* | *110* | | | *80.0-120* | | *10/27/2023 15:15* | WG2159430 |
| *(S) 4-Bromofluorobenzene* | *92.3* | | | *77.0-126* | | *10/27/2023 15:15* | WG2159430 |
| *(S) 1,2-Dichloroethane-d4* | *104* | | | *70.0-130* | | *10/27/2023 15:15* | WG2159430 |

MW-3
Collected date/time: 10/19/23 11:25
L1669248

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 0.000106 | J | 0.0000941 | 0.00100 | 1 | 10/27/2023 15:37 | WG2159430 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 10/27/2023 15:37 | WG2159430 |
| Ethylbenzene | 0.000587 | J | 0.000137 | 0.00100 | 1 | 10/27/2023 15:37 | WG2159430 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 10/27/2023 15:37 | WG2159430 |
| *(S) Toluene-d8* | *109* | | | *80.0-120* | | *10/27/2023 15:37* | WG2159430 |
| *(S) 4-Bromofluorobenzene* | *92.8* | | | *77.0-126* | | *10/27/2023 15:37* | WG2159430 |
| *(S) 1,2-Dichloroethane-d4* | *108* | | | *70.0-130* | | *10/27/2023 15:37* | WG2159430 |

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

| Analyte | Result | Qualifier | MDL | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|---|
| | mg/l | | mg/l | mg/l | | date / time | |
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 10/27/2023 15:59 | WG2159430 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 10/27/2023 15:59 | WG2159430 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 10/27/2023 15:59 | WG2159430 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 10/27/2023 15:59 | WG2159430 |
| *(S) Toluene-d8* | *112* | | | *80.0-120* | | *10/27/2023 15:59* | WG2159430 |
| *(S) 4-Bromofluorobenzene* | *91.2* | | | *77.0-126* | | *10/27/2023 15:59* | WG2159430 |
| *(S) 1,2-Dichloroethane-d4* | *111* | | | *70.0-130* | | *10/27/2023 15:59* | WG2159430 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 10/27/2023 16:21 | WG2159430 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 10/27/2023 16:21 | WG2159430 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 10/27/2023 16:21 | WG2159430 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 10/27/2023 16:21 | WG2159430 |
| *(S) Toluene-d8* | *111* | | | *80.0-120* | | *10/27/2023 16:21* | WG2159430 |
| *(S) 4-Bromofluorobenzene* | *91.6* | | | *77.0-126* | | *10/27/2023 16:21* | WG2159430 |
| *(S) 1,2-Dichloroethane-d4* | *109* | | | *70.0-130* | | *10/27/2023 16:21* | WG2159430 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 10/27/2023 16:42 | WG2159430 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 10/27/2023 16:42 | WG2159430 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 10/27/2023 16:42 | WG2159430 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 10/27/2023 16:42 | WG2159430 |
| *(S) Toluene-d8* | *112* | | | *80.0-120* | | *10/27/2023 16:42* | WG2159430 |
| *(S) 4-Bromofluorobenzene* | *91.4* | | | *77.0-126* | | *10/27/2023 16:42* | WG2159430 |
| *(S) 1,2-Dichloroethane-d4* | *112* | | | *70.0-130* | | *10/27/2023 16:42* | WG2159430 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 | 1 | 10/27/2023 17:04 | WG2159430 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 10/27/2023 17:04 | WG2159430 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 10/27/2023 17:04 | WG2159430 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 10/27/2023 17:04 | WG2159430 |
| *(S) Toluene-d8* | *111* | | | *80.0-120* | | *10/27/2023 17:04* | WG2159430 |
| *(S) 4-Bromofluorobenzene* | *99.7* | | | *77.0-126* | | *10/27/2023 17:04* | WG2159430 |
| *(S) 1,2-Dichloroethane-d4* | *113* | | | *70.0-130* | | *10/27/2023 17:04* | WG2159430 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 0.000105 | J | 0.0000941 | 0.00100 | 1 | 10/27/2023 17:26 | WG2159430 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 10/27/2023 17:26 | WG2159430 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 | 1 | 10/27/2023 17:26 | WG2159430 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 10/27/2023 17:26 | WG2159430 |
| *(S) Toluene-d8* | *111* | | | *80.0-120* | | *10/27/2023 17:26* | WG2159430 |
| *(S) 4-Bromofluorobenzene* | *86.0* | | | *77.0-126* | | *10/27/2023 17:26* | WG2159430 |
| *(S) 1,2-Dichloroethane-d4* | *111* | | | *70.0-130* | | *10/27/2023 17:26* | WG2159430 |

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

| Analyte | Result mg/l | Qualifier | MDL mg/l | RDL mg/l | Dilution | Analysis date / time | Batch |
|---|---|---|---|---|---|---|---|
| Benzene | 0.0000986 | J | 0.0000941 | 0.00100 | 1 | 10/27/2023 17:47 | WG2159430 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 | 1 | 10/27/2023 17:47 | WG2159430 |
| Ethylbenzene | 0.000470 | J | 0.000137 | 0.00100 | 1 | 10/27/2023 17:47 | WG2159430 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 | 1 | 10/27/2023 17:47 | WG2159430 |
| *(S) Toluene-d8* | *110* | | | *80.0-120* | | *10/27/2023 17:47* | WG2159430 |
| *(S) 4-Bromofluorobenzene* | *93.4* | | | *77.0-126* | | *10/27/2023 17:47* | WG2159430 |
| *(S) 1,2-Dichloroethane-d4* | *110* | | | *70.0-130* | | *10/27/2023 17:47* | WG2159430 |

## Method Blank (MB)

(MB) R3992691-2 10/27/23 11:05

| Analyte | MB Result mg/l | MB Qualifier | MB MDL mg/l | MB RDL mg/l |
|---|---|---|---|---|
| Benzene | <0.0000941 | | 0.0000941 | 0.00100 |
| Toluene | <0.000278 | | 0.000278 | 0.00100 |
| Ethylbenzene | <0.000137 | | 0.000137 | 0.00100 |
| Total Xylenes | <0.000174 | | 0.000174 | 0.00300 |
| *(S) Toluene-d8* | *111* | | | *80.0-120* |
| *(S) 4-Bromofluorobenzene* | *88.6* | | | *77.0-126* |
| *(S) 1,2-Dichloroethane-d4* | *108* | | | *70.0-130* |

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

(LCS) R3992691-1 10/27/23 10:00 • (LCSD) R3992691-3 10/27/23 14:09

| Analyte | Spike Amount mg/l | LCS Result mg/l | LCSD Result mg/l | LCS Rec. % | LCSD Rec. % | Rec. Limits % | LCS Qualifier | LCSD Qualifier | RPD % | RPD Limits % |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.00500 | 0.00420 | 0.00456 | 84.0 | 91.2 | 70.0-123 | | | 8.22 | 20 |
| Toluene | 0.00500 | 0.00459 | 0.00497 | 91.8 | 99.4 | 79.0-120 | | | 7.95 | 20 |
| Ethylbenzene | 0.00500 | 0.00431 | 0.00463 | 86.2 | 92.6 | 79.0-123 | | | 7.16 | 20 |
| Total Xylenes | 0.0150 | 0.0123 | 0.0138 | 82.0 | 92.0 | 79.0-123 | | | 11.5 | 20 |
| *(S) Toluene-d8* | | | | *110* | *109* | *80.0-120* | | | | |
| *(S) 4-Bromofluorobenzene* | | | | *96.6* | *92.9* | *77.0-126* | | | | |
| *(S) 1,2-Dichloroethane-d4* | | | | *108* | *108* | *70.0-130* | | | | |

## Guide to Reading and Understanding Your Laboratory Report

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

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

## Abbreviations and Definitions

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

| Qualifier | Description |
|---|---|
| J | The identification of the analyte is acceptable; the reported value is an estimate. |

## Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

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

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

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

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

Company Name/Address:
**Plains All American Pipeline**
21 Waterway Ave., Suite 300
The Woodlands, TX 77380

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

Pres Chk

Report to: **Bill Goldsby**

Email To: bill.goldsby@entechservice.com;CJBryant@paal

Project Description: Hugh Gathering

City/State Collected:

Please Circle: PT MT CT ET

Phone: **281-507-3578**

Client Project # **PAA12006**

Lab Project # **PLAINSENT-HUGH**

Collected by (print): Albert Herrera

Site/Facility ID # **SRS - 2002-10235**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

**MT JULIET, TN**
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # 4166 9248
F203

Acctnum: PLAINSENT
Template: T237336
Prelogin: P1022793
PM: 3564 - Chad A Upchurch
PB:

Shipped Via:

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | VB260BTEX 40mlAmb-HCl | Remarks | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| MW 3 | | GW | | 10-19-23 | 1135 | 2 | X | | -01 |
| MW 5 | | GW | | | 1125 | | X | | -02 |
| MW 6 | | GW | | | 1115 | | X | | -03 |
| MW 7 | | GW | | | 1100 | | X | | -04 |
| MW 11 | | GW | | | 1045 | | X | | -05 |
| MW 12 | | GW | | | 1030 | | X | | -06 |
| MW 13 | | GW | | | 1000 | | X | | -07 |
| Dup-01 | | GW | | — | — | | X | | -08 |
| | | GW | | | | | | | |
| | | | | | | | | | |

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

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ~~NP~~ Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) |
|---|---|---|---|
| Greg Hood | 10/20/23 | 9:00 | |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) |
| | 10/21/23 | 1700 | SWA |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) |
| | | | |

Trip Blank Received: Yes (No) HCL / MeoH TBR

Temp: 3.3 +0=3.3 °C Bottles Received: 16

Date: 10/21/23 Time: 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

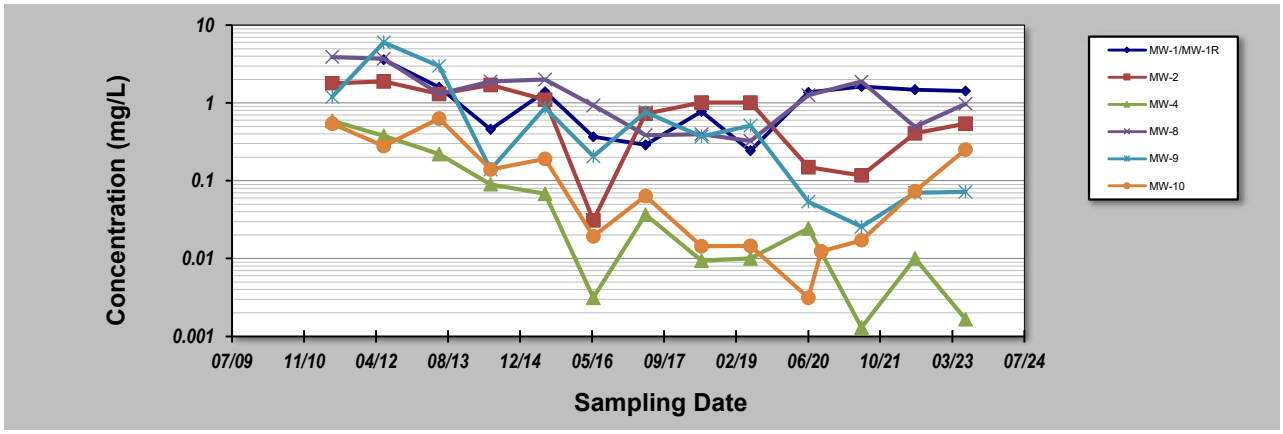
# APPENDIX B

Mann-Kendall Trend Test

# GSI MANN-KENDALL TOOLKIT
## for Constituent Trend Analysis

| | | | |
|---|---|---|---|
| Evaluation Date: | 9-Jan-24 | Job ID: | PAA12006 |
| Facility Name: | Plains - Hugh Gathering Site | Constituent: | Benzene |
| Conducted By: | WRG | Concentration Units: | mg/L |

| Sampling Point ID: | MW-1/MW-1R | MW-2 | MW-4 | MW-8 | MW-9 | MW-10 |
|---|---|---|---|---|---|---|
| Sampling Event | Sampling Date | BENZENE CONCENTRATION (mg/L) | | | | | |
| 1 | 3-Jun-11 | | 1.8 | 0.59 | 3.9 | 1.2 | 0.54 |
| 2 | 24-May-12 | 3.6 | 1.9 | 0.38 | 3.7 | 6 | 0.28 |
| 3 | 13-Jun-13 | 1.6 | 1.3 | 0.22 | 1.3 | 3 | 0.63 |
| 4 | 5-Jun-14 | 0.46 | 1.7 | 0.09 | 1.9 | 0.14 | 0.14 |
| 5 | 17-Jun-15 | 1.4 | 1.1 | 0.068 | 2 | 0.87 | 0.19 |
| 6 | 19-May-16 | 0.366 | 0.0311 | 0.00314 | 0.926 | 0.206 | 0.0192 |
| 7 | 16-May-17 | 0.288 | 0.731 | 0.0367 | 0.384 | 0.758 | 0.0635 |
| 8 | 7-Jun-18 | 0.777 | 1.01 | 0.00943 | 0.396 | 0.372 | 0.0144 |
| 9 | 14-May-19 | 0.243 | 1.01 | 0.0101 | 0.324 | 0.513 | 0.0146 |
| 10 | 19-Jun-20 | 1.37 | 0.149 | 0.0245 | 1.26 | 0.0539 | 0.00313 |
| 11 | 17-Sep-20 | | | | | | 0.0124 |
| 12 | 23-Jun-21 | 1.62 | 0.117 | 0.0013 | 1.88 | 0.0256 | 0.0172 |
| 13 | 29-Jun-22 | 1.48 | 0.408 | 0.010 | 0.495 | 0.0701 | 0.0732 |
| 14 | 15-Jun-23 | 1.42 | 0.541 | 0.00166 | 0.979 | 0.0719 | 0.252 |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| Coefficient of Variation: | | 0.76 | 0.71 | 1.63 | 0.79 | 1.66 | 1.26 |
| Mann-Kendall Statistic (S): | | -4 | -45 | -56 | -34 | -46 | -37 |
| Confidence Factor: | | 58.0% | 99.8% | >99.9% | 97.9% | 99.8% | 97.6% |
| Concentration Trend: | | Stable | Decreasing | Decreasing | Decreasing | Decreasing | Decreasing |




**Notes:**

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

# APPENDIX C

2007-2023 Historical Well Survey Data and Groundwater Elevations

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-1 | 05/24/12 | | **3.6** | **1.5** | **0.8** | **1.7** |
| MW-1 | 06/13/13 | | **1.6** | 0.34 | 0.55 | **1.1** |
| MW-1R | 06/05/14 | | **0.46** | 0.0580 | 0.065 | 0.051 |
| MW-1R | 06/17/15 | | **1.4** | 0.4800 | 0.230 | 0.380 |
| MW-1R | 05/19/16 | L837132-01 | **0.366** | 0.0594 | 0.0663 | 0.0553 |
| MW-1R | 05/16/17 | L910272-01 | **0.288** | 0.0676 | 0.0655 | 0.121 |
| MW-1R | 06/07/18 | L1000529-01 | **0.777** | 0.104 | 0.111 | 0.168 |
| MW-1R | 05/14/19 | L1099465-01 | **0.243** | 0.068 | 0.063 | 0.115 |
| MW-1R | 06/19/20 | L1231729-01 | **1.37** | **0.824** | 0.551 | **1.140** |
| MW-1R | 06/23/21 | L1370876-01 | **1.62** | 0.3890 | 0.2580 | 0.452 |
| MW-1R | 06/29/22 | L13511070-01 | **1.48** | 0.488 | 0.402 | 0.608 |
| MW-1R | 06/15/23 | L1627316-01 | **1.42** | 0.476 | 0.568 | **1.16** |
| | | | | | | |
| MW-2 | 06/03/11 | | **1.8** | 0.14 | 0.22 | 0.27 |
| MW-2 | 05/24/12 | | **1.9** | 0.061 | 0.41 | 0.4 |
| MW-2 | 06/13/13 | | **1.3** | 0.0400 | 0.35 | 0.39 |
| MW-2 | 06/05/14 | | **1.7** | 0.0480 J | 0.520 | 0.540 |
| MW-2 | 06/17/15 | | **1.1** | 0.0082 J | 0.250 | 0.240 |
| MW-2 | 05/19/16 | L837132-02 | **0.0311** | <0.005 | 0.0121 | 0.00644 |
| MW-2 | 05/16/17 | L910272-02 | **0.731** | 0.0143 | 0.194 | 0.207 |
| MW-2 | 06/07/18 | L1000529-02 | **1.01** | <0.02 | 0.333 | 0.349 |
| MW-2 | 05/14/19 | L1099465-02 | **1.01** | 0.00271 | 0.238 | 0.205 |
| MW-2 | 06/18/20 | L1231729-02 | **0.149** | <0.01 | 0.426 | 0.343 |
| MW-2 | 06/23/21 | L1370876-02 | **0.117** | <0.01 | 0.673 | 0.516 |
| MW-2 | 06/29/22 | L1511070-09 | **0.408** | <0.005 | 0.309 | 0.266 |
| MW-2 | 06/15/23 | L1627316-02 | **0.541** | <0.00556 | **0.821** | **1.07** |
| | | | | | | |
| MW-3 | 06/13/13 | | **0.17** | 0.0014 | <0.001 | 0.19 |
| MW-3 | 09/11/13 | | NS | NS | NS | NS |
| MW-3 | 12/13/13 | | NS | NS | NS | NS |
| MW-3 | 03/06/14 | | NS | NS | NS | NS |
| MW-3 | 06/06/14 | | <0.0010 | <0.0050 | <0.0010 | 0.002 J |
| MW-3 | 06/17/15 | | 0.004 | <0.0050 | <0.0010 | <0.003 |
| MW-3 | 05/19/16 | L837132-03 | <0.001 | <0.0050 | <0.0010 | <0.003 |
| MW-3 | 05/16/17 | L910272-03 | **0.214** | 0.000536 J | 0.00562 | 0.00586 |
| MW-3 | 06/07/18 | L1000529-14 | 0.00946 | <0.001 | <0.001 | <0.003 |
| MW-3 | 09/12/18 | L1025967-01 | 0.00540 | <0.001 | <0.001 | <0.003 |
| MW-3 | 11/30/18 | L1050021-08 | 0.00367 | <0.001 | 0.00123 | 0.00469 |
| MW-3 | 02/14/19 | L1071076-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 05/14/19 | L1099465-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 08/28/19 | L1134083-01 | 0.00464 | 0.0051 | <0.001 | <0.003 |
| MW-3 | 11/20/19 | L1163774-01 | <0.001 | <0.001 | <0.001 | <0.003 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-3 | 03/20/20 | L1201825-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 06/19/20 | L1231729-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 09/17/20 | L1264239-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 12/11/20 | L1296846-01 | **0.0159** | <0.001 | <0.001 | <0.003 |
| MW-3 | 03/17/21 | L1329026-01 | 0.00119 | <0.001 | <0.001 | <0.003 |
| MW-3 | 06/29/22 | L1511070-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 06/29/22 | L1511070-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 09/15/22 | L1537095-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-3 | 11/11/22 | L1557305-01 | 0.000113 J | <0.001 | <0.001 | <0.003 |
| MW-3 | 03/03/23 | L1591761-01 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-3 | 06/15/23 | L1627316-03 | 0.000132 J | <0.000278 | <0.000137 | <0.000174 |
| MW-3 | 09/07/23 | L1654057-01 | 0.00136 | <0.000278 | 0.00110 | 0.00401 |
| MW-3 | 10/19/23 | L1669248-01 | 0.000149 J | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW-4 | 06/03/11 | | **0.59** | 0.0018 | 0.26 | 0.16 |
| MW-4 | 05/24/12 | | **0.38** | <0.0050 | 0.250 | 0.076 |
| MW-4 | 06/13/13 | | **0.22** | 0.0280 | 0.098 | 0.097 |
| MW-4 | 06/05/14 | | **0.09** | 0.0370 J | 0.077 | 0.067 |
| MW-4 | 06/17/15 | | **0.068** | 0.0140 J | 0.058 | 0.041 |
| MW-4 | 05/19/16 | L837132-04 | 0.00314 | <0.005 | 0.0229 | 0.00451 |
| MW-4 | 05/16/17 | L910272-04 | **0.0367** | 0.00754 | 0.0622 | 0.0554 |
| MW-4 | 06/07/18 | L1000529-04 | 0.00943 | 0.00173 | 0.0256 | 0.0176 |
| MW-4 | 05/14/19 | L1099465-04 | **0.0101** | 0.00408 | 0.0168 | 0.0170 |
| MW-4 | 06/19/20 | L1231729-04 | **0.0245** | 0.0367 | 0.0361 | 0.0717 |
| MW-4 | 06/23/21 | L1370876-04 | 0.0013 | <0.001 | 0.00387 | 0.00485 |
| MW-4 | 06/02/22 | L1511070-03 | **0.010** | 0.0095 J | 0.0139 J | 0.0261 J |
| MW-4 | 06/15/23 | L1627316-04 | 0.00166 | <0.000278 | 0.00328 | 0.00464 |
| | | | | | | |
| MW-5 | 03/01/07 | | **0.1720** [a] | 0.0062 | 0.1380 | 0.0900 |
| MW-5 | 06/01/07 | | **0.1210** | 0.0101 | 0.1030 | 0.0608 |
| MW-5 | 09/06/07 | | **0.0477** | 0.0113 | 0.0523 | 0.0335 |
| MW-5 | 11/13/07 | | **0.0775** | 0.0285 | 0.0906 | 0.0531 |
| MW-5 | 02/26/08 | | 0.00097 J | <0.00023 | 0.0031 | <0.00055 |
| MW-5 | 05/29/08 | | **0.05730** | 0.0134 | 0.0804 | 0.0625 |
| MW-5 | 08/18/08 | | **0.01010** | 0.0039 | 0.0349 | 0.0194 |
| MW-5 | 11/20/08 | | **0.0290** | 0.00670 | 0.0827 | 0.0307 |
| MW-5 | 02/18/09 | | **0.0256** | 0.00220 | 0.1090 | 0.0403 |
| MW-5 | 05/20/09 | | **0.0131** | 0.00150 | 0.0589 | 0.02430 [b] |
| MW-5 | 08/27/09 | | 0.0073 | <0.000188 | 0.0452 | 0.01360 |
| MW-5 | 11/17/09 | | 0.00600 | 0.000500 J | 0.0408 | 0.0157 |
| MW-5 | 02/11/10 | | 0.00770 | <0.000208 | 0.0596 | 0.0225 |
| MW-5 | 05/12/10 | | **0.013** | 0.001700 | 0.0880 | 0.0420 |
| MW-5 | 08/26/10 | | 0.0026 | <0.00020 | 0.0340 | 0.011 |
| MW-5 | 11/18/10 | | 0.0043 | <0.0002 | 0.0570 | 0.021 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-5 | 02/24/11 | | 0.002 | <0.0010 | 0.0370 | 0.015 |
| MW-5 | 06/03/11 | | 0.0011 | <0.0010 | 0.0071 | 0.022 |
| MW-5 | 08/29/11 | | 0.0019 | 0.0036 P | 0.068 | 0.029 |
| MW-5 | 11/29/11 | | <0.0010 | 0.0023 | 0.074 | 0.028 |
| MW-5 | 02/23/12 | | 0.0014 | 0.0046 | 0.076 | 0.038 |
| MW-5 | 05/24/12 | | 0.0026 | 0.0032 | 0.140 | 0.065 |
| MW-5 | 09/12/12 | | 0.0013 | 0.0025 | 0.097 | 0.043 |
| MW-5 | 11/19/12 | | 0.0011 | <0.001 | 0.056 | 0.014 |
| MW-5 | 02/28/13 | | 0.0004 J | 0.0028 J | 0.076 | 0.032 |
| MW-5 | 06/13/13 | | <0.001 | <0.005 | 0.024 | 0.0063 |
| MW-5 | 09/11/13 | | 0.00043 **J** | 0.00088 J | 0.084 | 0.026 |
| MW-5 | 12/13/13 | | 0.0013 | <0.005 | 0.032 | 0.0064 |
| MW-5 | 03/06/14 | | <0.0010 | 0.0013 J | 0.083 | 0.0240 |
| MW-5 | 06/05/14 | | <0.0010 | <0.0050 | 0.012 | 0.0026 J |
| MW-5 | 09/18/14 | | <0.0010 | <0.0050 | <0.0010 | <0.0030 |
| MW-5 | 11/18/14 | | <0.0010 | <0.0050 | **0.14** | 0.0280 |
| MW-5 | 02/24/15 | | <0.0010 | <0.0050 | **0.07** J6 | 0.0130 |
| MW-5 | 06/17/15 | | <0.0010 | <0.0050 | **0.014** | 0.0021 J |
| MW-5 | 08/28/15 | | 0.000379 **J** | <0.0050 | **0.259** | 0.0499 |
| MW-5 | 11/18/15 | | <0.001 | <0.0050 | **0.0476** | 0.00753 |
| MW-5 | 03/09/16 | L822592-01 | <0.001 | <0.005 | 0.0107 | 0.00165 J |
| MW-5 | 05/19/16 | L837132-05 | <0.001 | <0.005 | 0.223 | 0.0253 |
| MW-5 | 09/21/16 | L861612-01 | <0.001 | <0.005 | 0.0307 | 0.00359 |
| MW-5 | 12/15/16 | L879655-01 | <0.001 | <0.005 | 0.0223 | 0.00339 |
| MW-5 | 03/02/17 | L893635-01 | <0.001 | <0.001 | 0.0608 | 0.00809 |
| MW-5 | 05/16/17 | L910272-05 | <0.001 | <0.001 | 0.0292 | 0.00299 J |
| MW-5 | 09/12/17 | L936462-01 | <0.001 | <0.001 | 0.0266 | <0.003 |
| MW-5 | 11/29/17 | L954391-01 | <0.001 | <0.001 | 0.0468 | 0.0033 |
| MW-5 | 03/09/18 | L976575-01 | <0.001 | <0.001 | 0.0215 | 0.00809 |
| MW-5 | 06/07/18 | L1000529-05 | <0.001 | <0.001 | 0.0496 | 0.00321 |
| MW-5 | 09/12/18 | L1025967-02 | <0.001 | <0.001 | 0.0410 | <0.003 |
| MW-5 | 11/30/18 | L1050021-01 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-5 | 02/14/19 | L1071076-02 | <0.001 | <0.001 | 0.0791 | 0.00391 |
| MW-5 | 05/14/19 | L1099465-05 | <0.001 | <0.001 | 0.0459 | <0.003 |
| MW-5 | 08/28/19 | L1134083-02 | 0.00177 | <0.001 | <0.001 | <0.003 |
| MW-5 | 11/20/19 | L1163774-02 | <0.001 | <0.001 | 0.00857 | <0.003 |
| MW-5 | 03/20/20 | L1201825-02 | <0.001 | <0.001 | 0.00531 | <0.003 |
| MW-5 | 06/19/20 | L1231729-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-5 | 09/17/20 | L1264239-02 | <0.001 | <0.001 | 0.0321 | <0.003 |
| MW-5 | 12/11/20 | L1296846-02 | <0.001 | <0.001 | 0.189 | 0.00771 |
| MW-5 | 03/17/21 | L1329026-02 | <0.001 | <0.001 | 0.012 | <0.003 |
| MW-5 | 06/23/21 | L1370876-05 | <0.001 J4 | <0.001 | 0.00981 | <0.003 |
| MW-5 | 06/29/22 | l1511070-04 | <0.001 | <0.001 | 0.00344 | <0.003 |
| MW-5 | 09/15/22 | L1537095-02 | <0.001 | <0.001 | 0.000666 J | <0.003 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-5 | 11/11/22 | L1557305-02 | <0.001 | <0.001 | 0.0180 | <0.003 |
| MW-5 | 03/03/23 | L1591761-02 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-5 | 06/15/23 | L1627316-05 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-5 | 09/07/23 | L1654057-02 | <0.0000941 | <0.000278 | 0.000247 J | <0.000174 |
| MW-5 | 10/19/23 | L1669248-02 | 0.000106 J | <0.000278 | 0.000587 J | <0.000174 |
| | | | | | | |
| MW-6 | 03/01/07 | | <0.00035 | <0.00020 | <0.00033 | <0.00036 |
| MW-6 | 06/01/07 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW-6 | 09/06/07 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW-6 | 11/13/07 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| MW-6 | 02/26/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW-6 | 05/29/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW-6 | 08/18/08 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| MW-6 | 11/20/08 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| MW-6 | 02/18/09 | | <0.00100 | <0.00100 | 0.0019 | <0.00100 |
| MW-6 | 05/20/09 | | <0.000149 | <0.000188 | <0.000178 | <0.000163 |
| MW-6 | 08/27/09 | | <0.000149 | <0.000188 | <0.000178 | <0.000163 |
| MW-6 | 11/17/09 | | <0.000133 | <0.000281 | <0.000535 | <0.000960 |
| MW-6 | 02/11/10 | | <0.000208 | <0.000208 | <0.000303 | <0.000326 |
| MW-6 | 05/12/10 | | <0.00020 | <0.00020 | 0.00039 J | <0.00070 |
| MW-6 | 08/26/10 | | <0.00020 | <0.00020 | <0.00020 | <0.00070 |
| MW-6 | 11/18/10 | | <0.00020 | <0.00020 | <0.00020 | <0.00070 |
| MW-6 | 02/24/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 06/03/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 08/29/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 11/29/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 02/23/12 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 05/24/12 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 09/12/12 | | 0.00056 J | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 11/19/12 | | <0.001 | <0.0010 | <0.0010 | <0.0030 |
| MW-6 | 02/28/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW-6 | 06/13/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW-6 | 09/11/13 | | <0.001 | <0.005 | 0.00046 J | <0.0030 |
| MW-6 | 12/13/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW-6 | 03/06/14 | | <0.001 | <0.005 | 0.0005 J | <0.0030 |
| MW-6 | 06/05/14 | | <0.001 | <0.005 | <0.0005 | <0.0030 |
| MW-6 | 09/18/14 | | <0.001 | <0.005 | <0.0005 | <0.0030 |
| MW-6 | 11/18/14 | | <0.001 | <0.005 | 0.0006 J | <0.0030 |
| MW-6 | 02/24/15 | | <0.001 | <0.005 | <0.005 | <0.0030 |
| MW-6 | 06/17/15 | | <0.001 | <0.005 | <0.005 | <0.0030 |
| MW-6 | 08/28/15 | | <0.001 | <0.005 | <0.001 | <0.003 |
| MW-6 | 11/18/15 | | <0.001 | <0.005 | <0.001 | <0.003 |
| MW-6 | 03/09/16 | L822592-02 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW-6 | 05/19/16 | L837132-06 | <0.001 | <0.005 | <0.001 | <0.0030 |

TABLE 4
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Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-6 | 09/21/16 | L861612-02 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW-6 | 12/15/16 | L879655-02 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW-6 | 03/02/17 | L893635-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 05/15/17 | L910272-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 09/12/17 | L936462-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 11/29/17 | L954391-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 03/09/18 | L976575-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 06/07/18 | L1000529-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 09/12/18 | L1025967-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 11/30/18 | L1050021-02 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 02/14/19 | L1071076-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 05/14/19 | L1099465-06 | <0.001 | 0.00183 | <0.001 | <0.003 |
| MW-6 | 08/28/19 | L1134083-03 | <0.001 | <0.001 | 0.00305 | <0.003 |
| MW-6 | 11/20/19 | L1163774-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 03/20/20 | L1201825-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 06/18/20 | L1231729-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 09/17/20 | L1264239-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 12/11/20 | L1296846-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 03/17/21 | L1329026-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 06/23/21 | L1370876-06 | <0.001 J4 | <0.001 | 0.00981 | <0.003 |
| MW-6 | 06/29/22 | l1511070-10 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 09/15/22 | L1537095-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 11/11/22 | L1557305-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-6 | 03/03/23 | L1591761-03 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-6 | 06/15/23 | L1627316-05 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-6 | 09/07/23 | L1654057-03 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-6 | 10/19/23 | L1669248-03 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW 7 | 03/01/07 | | <0.00035 | <0.00020 | <0.00033 | <0.00036 |
| MW 7 | 06/01/07 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 7 | 09/06/07 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 7 | 11/13/07 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| MW 7 | 02/26/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 7 | 05/29/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 7 | 08/18/08 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| MW 7 | 11/20/08 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| MW 7 | 02/18/09 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| MW 7 | 05/20/09 | | <0.000149 | <0.000188 | <0.000178 | <0.000163 |
| MW 7 | 08/27/09 | | 0.0008 J | <0.000188 | <0.000178 | 0.0014 |
| MW 7 | 11/17/09 | | 0.0031 | <0.000281 | <0.000535 | 0.0039 |
| MW 7 | 02/11/10 | | 0.0026 | <0.000208 | <0.000303 | 0.0030 |
| MW 7 | 05/12/10 | | 0.0030 | <0.00020 | <0.00020 | 0.0025 J |
| MW 7 | 08/26/10 | | 0.0052 | <0.00020 | <0.00020 | 0.0033 |
| MW 7 | 11/18/10 | | 0.0020 | <0.00020 | <0.00020 | <0.0007 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW 7 | 02/24/11 | | 0.0032 | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 06/03/11 | | 0.0014 | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 08/29/11 | | 0.0090 | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 11/29/11 | | **0.0110** | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 02/23/12 | | 0.0070 | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 05/24/12 | | **0.014** | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 09/12/12 | | **0.018** | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 11/19/12 | | <0.001 | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 02/28/13 | | NS | NS | NS | NS |
| MW 7 | 06/13/13 | | 0.0027 | <0.0010 | <0.0010 | <0.0030 |
| MW 7 | 09/11/13 | | 0.0046 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 12/13/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 03/06/14 | | 0.0025 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 06/05/14 | | 0.0050 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 09/18/14 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 11/18/14 | | 0.0070 | <0.005 | 0.0004 J | <0.0030 |
| MW 7 | 02/24/15 | | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 7 | 06/17/15 | | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 7 | 08/28/15 | | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 7 | 11/18/15 | | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 7 | 03/09/16 | L822592-03 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 05/19/16 | L837132-07 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 09/21/16 | L861612-03 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 12/15/16 | L879655-03 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 7 | 03/02/17 | L893635-03 | 0.000737 J | <0.001 | <0.001 | <0.003 |
| MW 7 | 05/15/17 | L910272-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 09/12/17 | L936462-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 11/29/17 | L954391-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 03/09/18 | L976575-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 06/07/18 | L1000529-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 09/12/18 | L1025967-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 11/30/18 | L1050021-03 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 02/14/19 | L1071076-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 05/14/19 | L1099465-07 | <0.001 | 0.00203 | <0.001 | <0.003 |
| MW 7 | 08/28/19 | L1134083-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 7 | 11/20/19 | L1163774-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 03/20/20 | L1201825-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 06/18/20 | L1231729-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 09/17/20 | L1264239-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 12/11/20 | L1296846-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 03/17/21 | L1329026-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 06/23/21 | L1370876-07 | <0.001 J4 | <0.001 | 0.00981 | <0.003 |
| MW-7 | 06/29/22 | L1511070-11 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 09/15/22 | L1537095-04 | <0.001 | <0.001 | <0.001 | <0.003 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW-7 | 11/11/22 | L1557305-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW-7 | 03/03/23 | L1591761-04 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-7 | 06/14/23 | L1627316-07 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-7 | 09/07/23 | L1654057-04 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW-7 | 10/19/23 | L1669248-04 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW-8 | 06/03/11 | | **3.9** | 0.014 P | 0.49 | 0.59 |
| MW-8 | 05/24/12 | | **3.7** | <0.05 | 0.49 | 0.39 |
| MW-8 | 06/13/13 | | **1.3** | 0.41 | 0.56 | **1.1** |
| MW-8 | 06/05/14 | | **1.9** | 0.4200 | 0.670 | **1.400** |
| MW-8 | 06/17/15 | | **2** | 0.1700 | 0.630 | **0.780** |
| MW-8 | 05/19/16 | L837132-08 | **0.926** | 0.0277 J | 0.371 | 0.331 |
| MW-8 | 05/16/17 | L910272-08 | **0.384** | 0.0380 | 0.376 | 0.458 |
| MW-8 | 06/07/18 | L1000529-08 | **0.396** | 0.0745 | 0.486 | **0.652** |
| MW-8 | 11/30/18 | L1050021-04 | **0.456** | 0.1230 | 0.546 | **0.810** |
| MW-8 | 05/14/19 | L1099465-08 | **0.324** | 0.0494 | 0.274 | 0.397 |
| MW-8 | 06/19/20 | L1231729-08 | **1.26** | 0.141 | 0.716 | **0.967** |
| MW-8 | 06/23/21 | L1370876-08 | **1.88** | 0.1440 | **1.49** | **2.05** |
| MW-8 | 06/29/22 | L1511070-05 | **0.495** | 0.00427 J | **0.853** | **0.975** |
| MW-8 | 06/15/23 | L1627316-08 | **0.979 J** | <0.278 | **6.35** | **9.44** |
| | | | | | | |
| MW-9 | 06/03/11 | | **1.2** | 0.53 | 0.27 | 0.51 |
| MW-9 | 05/24/12 | | **6.0** | **3.0** | **1.1** | **2.2** |
| MW-9 | 06/13/13 | | **3.0** | 0.25 | 0.32 | 0.54 |
| MW-9 | 06/05/14 | | **0.14** | 0.0640 | 0.017 | 0.061 |
| MW-9 | 06/17/15 | | **0.87** | 0.2900 | 0.180 | 0.340 |
| MW-9 | 05/19/16 | L837132-09 | **0.206** | 0.0986 J | 0.05 | 0.104 |
| MW-9 | 05/16/17 | L910272-09 | **0.758** | 0.330 | 0.151 | 0.294 |
| MW-9 | 06/07/18 | L1000529-09 | **0.372** | 0.0992 | 0.115 | 0.211 |
| MW-9 | 05/14/19 | L1099465-09 | **0.0513** | <0.02 | 0.167 | 0.265 |
| MW-9 | 06/19/20 | L1231729-09 | **0.0539** | <0.005 | 0.186 | 0.245 |
| MW-9 | 06/23/21 | L1370876-09 | **0.0256** | <0.005 | 0.0370 | 0.0683 |
| MW-9 | 06/29/22 | L1511070-06 | **0.0701** | 0.0127 | 0.213 | 0.335 |
| MW-9 | 06/15/23 | L1627316-09 | **0.0719** | 0.00312 J | 0.0688 | 0.107 |
| | | | | | | |
| MW-10 | 06/03/11 | | **0.54** | 0.11 | 0.1 | 0.15 |
| MW-10 | 05/24/12 | | **0.28** | 0.0083 | 0.059 | 0.057 |
| MW-10 | 06/13/13 | | **0.63** | <0.005 | 0.067 | 0.097 |
| MW-10 | 06/05/14 | | **0.14** | 0.0240 J | 0.056 | 0.065 |
| MW-10 | 06/17/15 | | **0.19** | 0.0220 J | 0.096 | 0.150 |
| MW-10 | 05/19/16 | L837132-10 | **0.0192** | 0.000840 J | 0.00465 | 0.00301 |
| MW-10 | 05/16/17 | L910272-10 | **0.0635** | 0.00628 | 0.0643 | 0.0737 |
| MW-10 | 06/07/18 | L1000529-10 | **0.0144** | <0.001 | 0.0270 | 0.0556 |
| MW-10 | 05/14/19 | L1099465-10 | **0.0146** | 0.00177 | 0.0387 | 0.0594 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| **MW-10** | 06/19/20 | L1231729-10 | 0.00313 | <0.001 | 0.00640 | 0.00430 |
| **MW-10** | 09/17/20 | L1264239-05 | **0.0124** | <0.001 | 0.00283 | <0.003 |
| **MW-10** | 06/23/21 | L1370876-10 | **0.0172** | 0.0114 | 0.134 | 0.210 |
| **MW-10** | 06/29/22 | L1511070-07 | **0.0732** | 0.0554 | 0.246 | 0.371 |
| **MW-10** | 06/15/23 | L1627316-10 | **0.252** | 0.0920 J | 0.548 | **0.783** |
| | | | | | | |
| **MW 11** | 11/13/07 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| **MW 11** | 02/26/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| **MW 11** | 05/29/08 | | <0.00021 | 0.0003 J | <0.00035 | <0.00055 |
| **MW 11** | 08/18/08 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| **MW 11** | 11/20/08 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| **MW 11** | 02/18/09 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| **MW 11** | 05/20/09 | | <0.000149 | <0.000188 | <0.000178 | <0.000163 |
| **MW 11** | 08/27/09 | | <0.000149 | <0.000188 | <0.000178 | <0.000163 |
| **MW 11** | 11/17/09 | | <0.000133 | <0.000281 | <0.000535 | <0.000960 |
| **MW 11** | 02/11/10 | | <0.000208 | <0.000208 | <0.000303 | <0.000326 |
| **MW 11** | 05/12/10 | | 0.00027 J | <0.00020 | <0.00020 | <0.00070 |
| **MW 11** | 08/26/10 | | <0.00020 | <0.00020 | <0.00020 | <0.00070 |
| **MW 11** | 11/18/10 | | <0.00020 | <0.00020 | <0.00020 | <0.00070 |
| **MW 11** | 02/24/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 06/03/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 08/29/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 11/29/11 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 02/23/12 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 05/24/12 | | <0.0010 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 09/12/12 | | 0.0015 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 11/19/12 | | <0.001 | <0.0010 | <0.0010 | <0.0030 |
| **MW 11** | 02/28/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 06/13/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 09/11/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 12/13/13 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 03/06/14 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 06/05/14 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 09/18/14 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 11/18/14 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 02/24/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 06/17/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 08/28/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 11/18/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 03/09/16 | L822592-04 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 05/19/16 | L837132-11 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 09/21/16 | L861612-04 | <0.001 | <0.005 | 0.000595 J | <0.0030 |
| **MW 11** | 12/15/16 | L879655-04 | <0.001 | <0.005 | <0.0010 | <0.0030 |
| **MW 11** | 03/02/17 | L893635-04 | <0.001 | <0.001 | <0.001 | <0.003 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW 11 | 05/15/17 | L910272-11 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 09/12/17 | L936462-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 11/29/17 | L954391-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 03/09/18 | L976575-04 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 06/07/18 | L1000529-11 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 09/12/18 | L1025967-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 11/30/18 | L1050021-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 02/14/19 | L1071076-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 05/14/19 | L1099465-11 | <0.001 | 0.00216 | <0.001 | <0.003 |
| MW 11 | 08/28/19 | L1134083-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 11/20/19 | L1163774-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 03/20/20 | L1201825-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 06/19/20 | L1231729-11 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 09/17/20 | L1264239-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 12/11/20 | L1296846-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 03/17/21 | L1329026-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 06/23/21 | L1370876-11 | <0.001 J4 | <0.001 | <0.001 | <0.003 |
| MW 11 | 06/29/22 | L1511070-12 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 09/15/22 | L1537095-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 11/11/22 | L1557305-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 11 | 06/14/23 | L1627316-11 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW 11 | 09/07/23 | L1654057-05 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW 11 | 10/19/23 | L1669248-05 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW 12 | 03/01/07 | | <0.00035 | <0.00020 | <0.00033 | <0.00036 |
| MW 12 | 06/01/07 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 12 | 09/06/07 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 12 | 11/13/07 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| MW 12 | 02/26/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 12 | 05/29/08 | | <0.00021 | <0.00023 | <0.00035 | <0.00055 |
| MW 12 | 08/18/08 | | <0.0005 | <0.0005 | <0.0005 | <0.001 |
| MW 12 | 11/20/08 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| MW 12 | 02/18/09 | | <0.00100 | <0.00100 | <0.00100 | <0.00100 |
| MW 12 | 05/20/09 | | **0.0171** | <0.000188 | <0.000178 | 0.0019 |
| MW 12 | 08/27/09 | | **0.0281** | <0.00094 | <0.00089 | <0.000815 |
| MW 12 | 11/17/09 | | **0.0359** | <0.000281 | <0.000535 | <0.000960 |
| MW 12 | 02/11/10 | | <0.000208 | <0.000208 | <0.000303 | <0.000326 |
| MW 12 | 05/12/10 | | **0.48** | <0.00020 | <0.00020 | <0.00070 |
| MW 12 | 08/26/10 | | **0.23** | <0.00020 | <0.00020 | <0.00070 |
| MW 12 | 11/18/10 | | **0.17** | <0.00020 | <0.00020 | 0.0060 |
| MW 12 | 02/24/11 | | **0.88** | <0.0010 | <0.0010 | 0.039 |
| MW 12 | 06/03/11 | | **0.20** | <0.0010 | <0.0010 | 0.013 |
| MW 12 | 08/29/11 | | **0.25** | <0.0010 | <0.0010 | 0.033 |
| MW 12 | 11/29/11 | | **0.36** | <0.0010 | <0.0010 | 0.021 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW 12 | 02/23/12 | | **0.32** | <0.0050 | <0.0050 | 0.025 |
| MW 12 | 05/24/12 | | **0.32** | <0.0050 | <0.0050 | 0.030 |
| MW 12 | 09/12/12 | | **0.25** | <0.0010 | <0.0010 | 0.023 |
| MW 12 | 11/19/12 | | 0.0022 | <0.0010 | <0.0010 | <0.0030 |
| MW 12 | 02/28/13 | | 0.0029 | <0.005 | 0.0006 J | <0.003 |
| MW 12 | 06/13/13 | | 0.0069 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 09/11/13 | | 0.0031 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 12/13/13 | | 0.0022 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 03/06/14 | | 0.0015 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 06/05/14 | | 0.0013 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 09/18/14 | | 0.00051 J | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 11/18/14 | | 0.0012 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 02/24/15 | | 0.00036 J | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 06/17/15 | | 0.0011 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 08/28/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 11/18/15 | | 0.00555 | <0.005 | <0.0010 | <0.0030 |
| MW 12 | 03/09/16 | L822592-05 | 0.000683 J | <0.005 | <0.001 | <0.0030 |
| MW 12 | 05/19/16 | L837132-12 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 12 | 09/21/16 | L861612-05 | 0.000632 J | <0.005 | <0.001 | <0.0030 |
| MW 12 | 12/15/16 | L879655-05 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 12 | 03/02/17 | L893635-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 05/15/17 | L910272-12 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 09/12/17 | L936462-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 11/29/17 | L954391-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 03/09/18 | L976575-05 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 06/07/18 | L1000529-12 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 09/12/18 | L1025967-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 11/30/18 | L1050021-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 02/14/19 | L1071076-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 05/14/19 | L1099465-12 | <0.001 | 0.00166 | <0.001 | <0.003 |
| MW 12 | 08/28/19 | L1134083-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 11/20/19 | L1163774-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 03/20/20 | L1201825-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 06/18/20 | L1231729-12 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 09/17/20 | L1264239-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 12/11/20 | L1296846-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 03/17/21 | L1329026-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 06/23/21 | L1370876-12 | <0.001 J4 | <0.001 | <0.001 | <0.003 |
| MW 12 | 06/29/22 | L1511070-13 | 0.000106 J4 | <0.001 | <0.001 | <0.003 |
| MW 12 | 09/15/22 | L1537095-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 11/11/22 | L1557305-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 12 | 06/14/23 | L1627316-12 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | 0.010 | 0.750 | 0.750 | 0.620 |
| MW 12 | 09/07/23 | L1654057-06 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| MW 12 | 10/19/23 | L1669248-06 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| | | | | | | |
| MW 13 | 11/20/08 | | **1.51** | <0.0100 | <0.0100 | 0.126 |
| MW 13 | 02/18/09 | | **0.923** | <0.00100 | <0.00100 | 0.0456 |
| MW 13 | 05/20/09 | | **1.56** | <0.00562 | <0.0107 | 0.1190 |
| MW 13 | 08/27/09 | | **2.73** | <0.0166 | <0.0115 | 0.1770 |
| MW 13 | 11/17/09 | | **2.52** | <0.00664 | <0.00460 | 0.112 |
| MW 13 | 02/11/10 | | **2.60** | <0.00400 | <0.00430 | 0.099 |
| MW 13 | 05/12/10 | | **2.00** | 0.00066 J | 0.0010 | 0.075 |
| MW 13 | 08/26/10 | | **0.96** | <0.00020 | <0.00020 | 0.069 |
| MW 13 | 11/18/10 | | **1.10** | <0.00020 | <0.00020 | 0.0440 |
| MW 13 | 02/24/11 | | **0.72** | <0.0010 | <0.0010 | 0.045 |
| MW 13 | 06/03/11 | | **0.32** | <0.0010 | <0.0010 | 0.020 |
| MW 13 | 08/29/11 | | **0.11** | <0.0010 | <0.0010 | 0.0086 P |
| MW 13 | 11/29/11 | | **0.25** | <0.0010 | <0.0010 | 0.005 |
| MW 13 | 02/23/12 | | **0.66** | <0.0050 | <0.0050 | <0.015 |
| MW 13 | 05/24/12 | | **0.81** | <0.0050 | <0.0050 | <0.015 |
| MW 13 | 09/12/12 | | **0.63** | <0.0050 | <0.0050 | 0.036 J |
| MW 13 | 11/19/12 | | **0.10** | <0.0010 | <0.0010 | <0.0030 |
| MW 13 | 02/28/13 | | **0.20** | <0.005 | 0.00039 J | 0.0014 J |
| MW 13 | 06/13/13 | | **0.41** | <0.005 | 0.00055 J | 0.0079 |
| MW 13 | 09/11/13 | | **0.052** | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 12/13/13 | | 0.00093 J | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 03/06/14 | | 0.0034 | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 06/05/14 | | 0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 09/18/14 | | 0.00084 J | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 11/18/14 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 02/24/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 06/17/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 08/28/15 | | <0.001 | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 11/18/15 | | 0.000412 J | <0.005 | <0.0010 | <0.0030 |
| MW 13 | 03/09/16 | L822592-06 | 0.000555 J | <0.005 | <0.001 | <0.0030 |
| MW 13 | 05/19/16 | L837132-13 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 13 | 09/21/16 | L861612-06 | 0.000367 J | <0.005 | <0.001 | <0.0030 |
| MW 13 | 12/15/16 | L879655-06 | <0.001 | <0.005 | <0.001 | <0.0030 |
| MW 13 | 03/02/17 | L893635-06 | 0.000603 J | <0.001 | <0.001 | <0.0030 |
| MW 13 | 05/16/17 | L910272-13 | <0.001 | <0.001 | 0.000540 J | <0.003 |
| MW 13 | 09/12/17 | L936462-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 13 | 11/29/17 | L954391-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 13 | 03/09/18 | L976575-06 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 13 | 06/07/18 | L1000529-13 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 13 | 09/12/18 | L1025967-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| MW 13 | 11/30/18 | L1050021-07 | <0.001 | <0.001 | <0.001 | <0.003 |

TABLE 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Plains Marketing, L.P.
Hugh Gathering
SRS #2002-10235
Lea County, New Mexico

| Well Number | Sample Date | Lab Sample ID | SW 846-8021B | | | |
|---|---|---|---|---|---|---|
| | | | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Total Xylenes (mg/L) |
| | | | NMOCD Remediation Criteria | | | |
| | | | **0.010** | **0.750** | **0.750** | **0.620** |
| **MW 13** | 02/14/19 | L1071076-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 05/14/19 | L1099465-13 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 08/28/19 | L1134083-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 11/20/19 | L1163774-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 03/20/20 | L1201825-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 06/18/20 | L1231729-13 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 09/17/20 | L1264239-08 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 12/11/20 | L1296846-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 03/17/21 | L1329026-07 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 06/23/21 | L1370876-13 | <0.001 | <0.001 | <0.001 | <0.003 |
| **MW 13** | 06/28/22 | L1511070-14 | 0.000139 J | <0.001 | <0.001 | <0.003 |
| **MW 13** | 09/15/22 | L1537095-07 | 0.000184 J | <0.001 | <0.001 | <0.003 |
| **MW 13** | 11/11/22 | L1557305-07 | 0.000149 J | <0.001 | <0.001 | <0.003 |
| **MW 13** | 06/14/23 | L1627316-13 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| **MW 13** | 09/07/23 | L1654057-07 | <0.0000941 | <0.000278 | <0.000137 | <0.000174 |
| **MW 13** | 10/19/23 | L1669248-07 | 0.000105 J | <0.000278 | <0.000137 | <0.000174 |

NMOCD: New Mexico Oil Conservation Division
Exceedences of NMOCD Remediation Criteria are shown in **bold**
[a] Result is from run #2
[b] Laboratory control spike recovery outside control limits, all reportable hits are considered to be an
J: Analyte detected below method detection limit (MDL) but above sample detection limit (SDL)
P: Dual Column results percent difference > 40%

**District I**
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**District IV**
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 332459

## CONDITIONS

| Operator: | OGRID: |
|---|---|
| PLAINS MARKETING L.P.<br>333 Clay Street Suite 1900<br>Houston, TX 77002 | 34053 |
| | Action Number:<br>332459 |
| | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| michael.buchanan | Review of the 2023 Annual Groundwater Monitoring Report for Hugh Gathering Site, Plains Pipeline: content satisfactory 1. Continue groundwater monitoring for BTEX on a quarterly basis for wells: MW-1 through MW-10. 2 Continue removal of LNAPL in MW-1R, MW-2, MW-4, MW-8, MW-9 and MW-10 on a bimonthly schedule. 3. Continue groundwater sampling downgradient of the site. 4. Continued monitoring for PAH in all appropriate wells. 5. Submit the 2024 groundwater monitoring report to the OCD via electronic submission by April 1, 2025. | 7/2/2024 |