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REVIEWED

By Mike Buchanan at 2:04 pm, Jul 24, 2024



Your Ref.: AP-007
Our Ref.: 12604523-Buchanan-1

May 10, 2024

Mr. Michael Buchanan
State of New Mexico
Energy, Minerals, and Natural Resources Department
Oil Conservation Division
8801 Horizon Boulevard NE, Suite 260
Albuquerque, New Mexico 87113

Review of the 2023 Annual Groundwater Monitoring Report: content satisfactory

1. Plains may transition over to semi-annual sampling events until all constituents are starting to demonstrate below the WQCC standards, then transition back to quarterly for eight consecutive samples for closure requirements.
2. Continue to operate the trailer mounted remediation system which is non-stationary for DNAPL removal.
3. Submit the 2024 annual report to OCD electronically by April 1, 2025. Please note sampling adjustments in the next report.

2023 Annual Groundwater Monitoring Report
Darr Angell No. 2
Plains All American Pipeline, L.P.
Lea County, New Mexico
New Mexico Oil Conservation Division Abatement Permit No. AP-007
Incident Number nAPP2108852096

Dear Mr. Buchanan:

On behalf of Plains All American Pipeline, L.P. (Plains), GHD Services Inc. (GHD) is submitting the 2023 Annual Groundwater Monitoring Report (Report) for the above-referenced property (Site) to the New Mexico Oil Conservation Division (NMOCD). The Report summarizes activities performed at the Site during 2023 in accordance with the NMOCD's recommendations in response to the 2022 Annual Groundwater Monitoring Report.

Should you have any questions or comments regarding this submittal, please don't hesitate to contact the undersigned.

Regards,

GHD

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Project Manager

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BO/jlf/1

Encl.: 2023 Annual Groundwater Monitoring Report



2023 Annual Groundwater Monitoring Report

Darr Angell No. 2

Lea County, New Mexico

NMOCD AP-007

Incident ID #: nAPP2108852096

Plains All American Pipeline, L.P.

May 10, 2024

➔ **The Power of Commitment**

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1. Introduction and Site History

This report presents the results of the groundwater monitoring activities conducted at the Plains All American Pipeline, L.P. (Plains) Darr Angell No. 2 release Site (Site) by GHD Services Inc. (GHD). The Site is located approximately 11.9 miles northeast of Lovington and in the SW ¼, SE ¼ Section 11, Township 15 South, Range 37 East; and NW ¼, NE ¼, Section 14, Township 15 South, Range 37 East in Lea County, New Mexico. The coordinates of this Site are 33.0242° N and 103.1668° W. The location of the Site is shown on Figure 1. A detailed map of the Site is provided on Figure 2. The property affected by the release is currently managed by Plains. The Site is regulated by the New Mexico Oil Conservation Division (NMOCD) under Abatement Permit (AP)-007 and is associated with incident number nAPP2108852096.

A crude oil release occurred on July 29, 1999, from an 8-inch Enron Oil Trading and Transportation (EOTT) pipeline. The cause of the release was due to external pipeline corrosion. July 29, 1999, an Initial Release Notification and Corrective Action, Form C-141 was submitted to the NMOCD and the release was assigned AP No. AP-007. A copy of the Release Notification and Corrective Action, Form C-141 is attached as Appendix A.

Initial remediation activities began in August 1999 and consisted of 40 soil borings installed within and around the area of surface staining. In April and May 2000, a contractor for EOTT excavated the impacted area. Excavation activity resumed in April and May 2001 with additional removal of impacted soil. Between April 2000 and December 2002, ten monitor wells (MW-1 through MW-10) and seven recovery wells (RW-1 through RW-7) were drilled and installed to delineate the extent of groundwater contamination and light non-aqueous phase liquid (LNAPL) and to monitor the concentrations of constituents of concern (COCs). On March 11, 2002, partial backfilling of the open excavation was conducted subsequent to NMOCD approval of a backfill request. On May 2, 2011, Conestoga-Rovers & Associates, Inc. (CRA, now known as GHD) assumed Site groundwater project management and remediation responsibilities. Results of groundwater monitoring events and LNAPL recovery prior to May 2, 2011, were provided by Plains.

In October 2014, GHD provided oversight of the installation of one monitor well (MW-4R) and four recovery wells (RW-7R, RW-8, RW-9, and RW-10) to further delineate the extent of the LNAPL plume and COCs in groundwater. In February 2017, GHD provided oversight of the installation of one monitor well (MW-12) and two recovery wells (RW-11 and RW-12) to further delineate the extent of the LNAPL plume and COCs in groundwater. In February 2020, GHD provided oversight of the plugging and abandonment (P&A) of nine monitor wells (MW-1, MW-2, MW-3, MW-6, MW-7, MW-8, MW-9, MW-10, and MW-11) and one recovery well (RW-4) and the installation of seven new monitor wells (MW-3R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, and MW-13) and three recovery wells (RW-4R, RW-13, and RW-14) to further delineate the extent of the LNAPL plume and COCs in groundwater. All Site monitoring and recovery wells were installed by a licensed New Mexico well driller with NMOCD approval.

Currently, the Site has a network of twenty-three monitoring and recovery wells, which are sampled quarterly to evaluate the concentrations of COCs in impacted groundwater and to delineate the extent of the LNAPL plume. The COCs are benzene, toluene, ethylbenzene, and total xylenes (BTEX) and polycyclic aromatic hydrocarbons (PAHs). A detailed map of the Site with monitoring and recovery well locations depicted is provided on Figure 2.

In previous years, groundwater samples were analyzed for PAHs by the United States Environmental Protection Agency (EPA) Method SW846-8270C-SIM on an annual basis for monitoring or recovery wells that did not previously meet the criteria of two consecutive years of PAH concentrations below the New Mexico Water Quality Control Commission (NMWQCC) standards and below 0.001 milligrams per liter (mg/L) for PAH compounds with no NMWQCC standard, as required by the NMOCD. Groundwater samples were not collected for analysis of PAHs in 2023 due to the absence of monitoring and recovery well analytical results that meet the criteria of two consecutive years with concentrations less than the NMWQCC Human Health Standard. Historical PAH data is summarized in Table 3.

2. Groundwater Monitoring

Quarterly groundwater monitoring events were performed on February 6 and 9, May 4, August 8, and November 7, 2023. The monitoring program included quarterly groundwater gauging and sampling of monitoring and recovery wells.

2.1 Monitoring Well Gauging

On February 6 and 9, May 4, August 8, and November 7, 2023, GHD personnel measured the depth to groundwater in monitoring and recovery wells using an electronic oil/water interface probe (IP). The IP was cleaned with laboratory grade soap and purified water prior to gauging each monitoring or recovery well.

Based on the data collected in 2023, groundwater flow is generally southeast and is consistent with historical data for the Site. The groundwater gradient was calculated at 0.0012 foot per linear foot (ft/ft) in February, 0.0010 ft/ft in May, 0.0012 ft/ft in August, and 0.0008 ft/ft in November of 2023. The potentiometric surface indicates groundwater elevations declined an average of 1.6 feet (ft) between November 2022 and November 2023. Fluctuations in the elevation of the potentiometric surface are attributed to seasonal weather conditions. Groundwater potentiometric surface maps are presented as Figures 3 through 6.

Thirteen (RW-1, RW-2, RW-3, RW-4R, RW-5, RW-7R, RW-8, RW-9, RW-10, RW-11, RW-12, RW-13, and RW-14) of the twenty-three monitoring and recovery wells at the Site contained LNAPL throughout 2023. LNAPL thicknesses ranged from approximately 0.01 ft to 7.13 ft. The following is a summary of the LNAPL thicknesses per quarter.

Quarter 1

- 0.01 ft in recovery wells RW-12 and RW-1 during February 2023.
- 6.81 ft in recovery well RW-14 during February 2023.

Quarter 2

- 0.05 ft in recovery wells RW-2 and RW-6 during May and June 2023, respectively.
- 6.91 ft in recovery well RW-14 during May 2023.

Quarter 3

- 0.01 ft in recovery well RW-2 during August 2023.
- 7.02 ft in recovery well RW-14 during August 2023.

Quarter 4

- 0.01 ft in recovery well RW-1 during both October and December 2023.
- 0.01 ft in recovery well RW-9 during December 2023.
- 7.13 ft in recovery well RW-14 during November 2023.

LNAPL thickness declined an average of 1.0 ft between November 2022 and November 2023. Depth to groundwater, LNAPL thickness, and calculated groundwater elevations are summarized in Tables 1a and 1b and represented on Figures 3 through 6.

2.2 Groundwater Sampling

Following gauging during each quarterly monitoring event in February, May, August, and November 2023, GHD personnel utilized clean, disposable, polyvinyl chloride (PVC) bailers to purge a minimum of three well volumes of groundwater or until the well was dry. The well was permitted to recover before collecting a groundwater sample.

Purged water recovered during the monitoring events was placed into the Site's above-ground storage tank (AST) pending disposal. Purge water was periodically transported off-Site to a NMOCD-approved disposal facility. Disposal records are available upon request.

Groundwater samples were collected, placed in laboratory-provided sample containers, packed in a cooler with ice, and transported under chain-of-custody documentation to Pace Analytical Laboratory in Mt. Juliet, Tennessee. Samples collected for each quarterly monitoring event were submitted for analysis of BTEX by EPA Method SW846-8021B.

2.3 Quality Assurance/Quality Control

During each groundwater monitoring event, a field duplicate was collected as a Quality Assurance/Quality Control (QA/QC) sample and subsequently submitted for laboratory analysis. A trip blank was also included with each cooler submitted to the laboratory as a QA/QC sample for each groundwater monitoring event.

2.4 Analytical Results

The NMWQCC mandates that groundwater quality in New Mexico be protected, and has issued groundwater quality standards in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (NMAC) 20.6.2.3103. Groundwater quality standards have been set for the protection of human health, domestic water supply, and irrigation use.

Groundwater analytical results are summarized in Tables 2a and 2b. The corresponding laboratory analytical reports from 2023 are included in Appendix B. COC concentration maps are presented as Figures 7 through 10. Analytical results are summarized as follows:

- Benzene, toluene, ethylbenzene, and xylenes concentrations were below the NMWQCC Groundwater Remediation and Delineation Limit in all groundwater samples collected from monitoring and recovery wells at the Site during all four quarters in 2023.

3. Remediation Activities

GHD field personnel conducted weekly LNAPL abatement via hand bailing or monsoon pump on monitoring and recovery wells containing measurable LNAPL. During each weekly abatement event, GHD personnel measured the depth to groundwater using an IP. Following gauging, GHD personnel utilized PVC bailers to purge three well volumes of groundwater in monitoring or recovery wells that did not have pumps installed and had ≥ 1.0 ft of LNAPL on the groundwater. Purged water recovered during the abatement events was placed into the Site's AST pending disposal. Purge water was periodically transported off-Site to a NMOCD-approved disposal facility. Disposal records are available upon request. Approximately 980 gallons of LNAPL were recovered in 2023.

LNAPL and impacted groundwater recovery is conducted daily via a trailer-mounted, automated remediation system which operates four total-fluid recovery pumps with vacuum for enhanced fluid recovery. The pumps were installed and operated in recovery wells RW-4R, RW-10, RW-13, and RW-14 throughout 2023. GHD field personnel performed routine operation and maintenance (O&M) activities each week to maintain efficient fluid recovery. O&M activities included inspections of well-heads and flow lines, servicing the air supply, vacuum and total fluid pumps, adjustment of pump depths, gauging of recovered fluids in the storage tank, and general housekeeping tasks. For 2023, the remediation system operated for 132 days with approximately 26,060 gallons of LNAPL and approximately 1,073 gallons of impacted groundwater recovered. All recovered fluids were later transported off-Site to a NMOCD-approved disposal facility. Disposal records are available upon request.

4. Summary and Recommendations

4.1 Summary

The following summarizes the information and data presented in this report:

- LNAPL was gauged in thirteen of the twenty-three monitoring wells at the Site with thicknesses ranging from approximately 0.01 ft to 7.13 ft. Overall, the LNAPL thickness decreased by a net average of 1.0 ft between November 2022 and November 2023.
- The potentiometric surface indicates groundwater elevations have declined an average of 1.6 ft between November 2022 and November 2023.
- BTEX concentrations were below NMWQCC criteria for all monitoring and recovery wells sampled during the quarterly events in 2023.
- Weekly LNAPL abatement was conducted during 2023 with approximately 980 gallons of LNAPL recovered.
- The on-Site remediation system operated for 132 days. Remediation pumps operated in four recovery wells and recovered approximately 26,060 gallons of LNAPL and 1,073 gallons of impacted groundwater.

4.2 Recommendations

Based on the results of the 2023 groundwater monitoring events, GHD recommends the following in 2024:

- Modify sampling plan from a quarterly to a semi-annual sampling schedule. Perform semi-annual groundwater monitoring events for sampling of groundwater and analysis of BTEX by EPA Method SW846-8021B for all Site monitoring wells.
- Continue operation and weekly maintenance of the trailer mounted, automated remediation system.

5. Scope and Limitations

This report: has been prepared by GHD for Plains All American Pipeline, L.P. and may only be used and relied on by Plains All American Pipeline, L.P. for the purpose agreed between GHD and Plains All American Pipeline, L.P.

GHD otherwise disclaims responsibility to any person other than Plains All American Pipeline, L.P. arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

The opinions, conclusions and any recommendations in this report are based on assumptions made by GHD described in this report. GHD disclaims liability arising from any of the assumptions being incorrect.

Table 1a
Summary of Groundwater Gauging and Elevation Data (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-1	2/19/20	P&A	--	--	--	--	--
MW-2	2/19/20	P&A	--	--	--	--	--
MW-3	2/19/20	P&A	--	--	--	--	--
MW-3R	2/20/20	3789.51	--	--	--	--	--
MW-3R	2/26/20	3789.51	68.19	--	--	3721.32	90.26
MW-3R	3/23/20	3789.51	68.34	--	--	3721.17	90.32
MW-3R	5/1/20	3789.51	68.41	--	--	3721.10	--
MW-3R	5/11/20	3789.51	68.42	--	--	3721.09	--
MW-3R	6/18/20	3789.51	68.48	--	--	3721.03	--
MW-3R	7/27/20	3789.51	68.57	--	--	3720.94	--
MW-3R	8/27/20	3789.51	68.66	--	--	3720.85	--
MW-3R	9/15/20	3789.51	68.68	--	--	3720.83	90.32
MW-3R	10/28/20	3789.51	68.79	--	--	3720.72	--
MW-3R	12/7/20	3789.51	68.88	--	--	3720.63	--
MW-3R	1/25/21	3789.51	68.98	--	--	3720.53	--
MW-3R	2/8/21	3789.51	69.02	--	--	3720.49	90.36
MW-3R	3/22/21	3789.51	69.09	--	--	3720.42	--
MW-3R	4/26/21	3789.51	69.16	--	--	3720.35	--
MW-3R	5/10/21	3789.51	69.23	--	--	3720.28	--
MW-3R	7/28/21	3789.51	69.37	--	--	3720.14	--
MW-3R	8/9/21	3789.51	69.38	--	--	3720.13	90.40
MW-3R	9/29/21	3789.51	69.50	--	--	3720.01	90.36
MW-3R	10/26/21	3789.51	69.50	--	--	3720.01	90.36
MW-3R	11/9/21	3789.51	69.53	--	--	3719.98	90.36
MW-3R	12/21/21	3789.51	69.62	--	--	3719.89	90.36
MW-3R	1/24/22	3789.51	69.71	--	--	3719.80	90.36
MW-3R	2/8/22	3789.51	69.75	--	--	3719.76	90.00
MW-3R	3/14/22	3789.51	69.82	--	--	3719.69	90.00
MW-3R	4/12/22	3789.51	69.91	--	--	3719.60	90.00
MW-3R	5/3/22	3789.51	69.90	--	--	3719.61	90.00
MW-3R	6/14/22	3789.51	70.02	--	--	3719.49	90.00
MW-3R	7/27/22	3789.51	70.09	--	--	3719.42	90.00
MW-3R	8/16/22	3789.51	70.15	--	--	3719.36	90.00
MW-3R	11/8/22	3789.51	70.31	--	--	3719.20	90.00
MW-3R	2/6/23	3789.51	70.47	--	--	3719.04	89.30
MW-3R	5/4/23	3789.51	70.72	--	--	3718.79	89.30
MW-3R	6/23/23	3789.51	70.82	--	--	3718.69	--
MW-3R	8/8/23	3789.51	70.91	--	--	3718.60	89.30
MW-3R	11/7/23	3789.51	71.05	--	--	3718.46	--
MW-4R	2/10/20	3789.17	67.90	--	--	3721.27	85.97
MW-4R	5/1/20	3789.17	68.09	--	--	3721.08	--
MW-4R	5/11/20	3789.17	68.03	--	--	3721.14	--
MW-4R	6/18/20	3789.17	68.11	--	--	3721.06	--
MW-4R	7/27/20	3789.17	68.20	--	--	3720.97	--
MW-4R	8/27/20	3789.17	68.28	--	--	3720.89	--
MW-4R	9/15/20	3789.17	68.35	--	--	3720.82	85.97
MW-4R	10/28/20	3789.17	68.41	--	--	3720.76	--
MW-4R	12/7/20	3789.17	68.52	--	--	3720.65	--
MW-4R	1/25/21	3789.17	68.62	--	--	3720.55	--
MW-4R	2/8/21	3789.17	68.05	--	--	3721.12	85.82
MW-4R	3/22/21	3789.17	68.73	--	--	3720.44	--
MW-4R	4/26/21	3789.17	68.78	--	--	3720.39	--
MW-4R	5/10/21	3789.17	68.84	--	--	3720.33	--
MW-4R	7/28/21	3789.17	68.99	--	--	3720.18	--
MW-4R	8/9/21	3789.17	69.01	--	--	3720.16	85.84
MW-4R	9/29/21	3789.17	69.13	--	--	3720.04	85.82
MW-4R	10/26/21	3789.17	69.14	--	--	3720.03	85.82
MW-4R	11/9/21	3789.17	69.19	--	--	3719.98	85.52
MW-4R	12/21/21	3789.17	69.24	--	--	3719.93	85.52
MW-4R	1/24/22	3789.17	69.33	--	--	3719.84	85.52
MW-4R	2/8/22	3789.17	69.38	--	--	3719.79	85.43
MW-4R	3/14/22	3789.17	69.46	--	--	3719.71	85.43
MW-4R	4/12/22	3789.17	69.53	--	--	3719.64	85.43
MW-4R	5/3/22	3789.17	69.55	--	--	3719.62	85.43
MW-4R	6/14/22	3789.17	69.66	--	--	3719.51	85.43
MW-4R	7/27/22	3789.17	69.72	--	--	3719.45	85.43
MW-4R	8/16/22	3789.17	69.78	--	--	3719.39	85.43
MW-4R	11/8/22	3789.17	69.95	--	--	3719.22	85.43

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NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-4R	2/6/23	3789.17	70.13	--	--	3719.04	85.11
MW-4R	5/4/23	3789.17	70.38	--	--	3718.79	85.11
MW-4R	8/8/23	3789.17	70.53	--	--	3718.64	85.11
MW-4R	11/7/23	3789.17	70.38	--	--	3718.79	--
MW-6	2/19/20	P&A	--	--	--	--	--
MW-6R	2/24/20	3789.79	--	--	--	--	--
MW-6R	2/26/20	3789.79	67.65	--	--	3722.14	90.05
MW-6R	3/23/20	3789.79	67.80	--	--	3721.99	90.05
MW-6R	5/1/20	3789.79	67.87	--	--	3721.92	--
MW-6R	5/11/20	3789.79	67.86	--	--	3721.93	--
MW-6R	6/18/20	3789.79	67.94	--	--	3721.85	--
MW-6R	7/27/20	3789.79	68.04	--	--	3721.75	--
MW-6R	8/27/20	3789.79	68.12	--	--	3721.67	--
MW-6R	9/15/20	3789.79	68.17	--	--	3721.62	90.05
MW-6R	10/28/20	3789.79	68.29	--	--	3721.50	--
MW-6R	12/7/20	3789.79	68.35	--	--	3721.44	--
MW-6R	1/25/21	3789.79	68.48	--	--	3721.31	--
MW-6R	2/8/21	3789.79	68.51	--	--	3721.28	90.09
MW-6R	3/22/21	3789.79	68.59	--	--	3721.20	--
MW-6R	4/26/21	3789.79	68.64	--	--	3721.15	--
MW-6R	5/10/21	3789.79	68.70	--	--	3721.09	--
MW-6R	7/28/21	3789.79	68.85	--	--	3720.94	--
MW-6R	8/9/21	3789.79	68.88	--	--	3720.91	90.07
MW-6R	9/29/21	3789.79	68.98	--	--	3720.81	90.09
MW-6R	10/26/21	3789.79	68.97	--	--	3720.82	90.09
MW-6R	11/9/21	3789.79	69.01	--	--	3720.78	90.09
MW-6R	12/21/21	3789.79	69.08	--	--	3720.71	90.09
MW-6R	1/24/22	3789.79	69.20	--	--	3720.59	90.09
MW-6R	2/8/22	3789.79	69.24	--	--	3720.55	90.06
MW-6R	3/14/22	3789.79	69.32	--	--	3720.47	90.06
MW-6R	4/12/22	3789.79	69.42	--	--	3720.37	90.06
MW-6R	5/3/22	3789.79	69.40	--	--	3720.39	90.06
MW-6R	6/14/22	3789.79	69.52	--	--	3720.27	90.06
MW-6R	7/27/22	3789.79	69.59	--	--	3720.20	90.06
MW-6R	8/16/22	3789.79	69.66	--	--	3720.13	90.06
MW-6R	11/8/22	3789.79	69.82	--	--	3719.97	90.06
MW-6R	2/6/23	3789.79	70.01	--	--	3719.78	89.56
MW-6R	5/4/23	3789.79	70.23	--	--	3719.56	89.56
MW-6R	8/8/23	3789.79	70.43	--	--	3719.36	89.56
MW-6R	11/7/23	3789.79	70.56	--	--	3719.23	--
MW-7	2/19/20	P&A	--	--	--	--	--
MW-7R	2/21/20	3790.51	--	--	--	--	--
MW-7R	2/26/20	3790.51	68.61	--	--	3721.90	90.00
MW-7R	3/23/20	3790.51	68.79	--	--	3721.72	90.00
MW-7R	5/1/20	3790.51	68.84	--	--	3721.67	--
MW-7R	5/11/20	3790.51	68.81	--	--	3721.70	--
MW-7R	6/18/20	3790.51	68.91	--	--	3721.60	--
MW-7R	7/27/20	3790.51	69.00	--	--	3721.51	--
MW-7R	8/27/20	3790.51	69.10	--	--	3721.41	--
MW-7R	9/15/20	3790.51	69.15	--	--	3721.36	90.00
MW-7R	10/28/20	3790.51	69.24	--	--	3721.27	--
MW-7R	12/7/20	3790.51	69.32	--	--	3721.19	--
MW-7R	1/25/21	3790.51	69.42	--	--	3721.09	--
MW-7R	2/8/21	3790.51	69.46	--	--	3721.05	90.20
MW-7R	3/22/21	3790.51	69.52	--	--	3720.99	--
MW-7R	4/26/21	3790.51	69.60	--	--	3720.91	--
MW-7R	5/10/21	3790.51	69.66	--	--	3720.85	--
MW-7R	7/28/21	3790.51	69.82	--	--	3720.69	--
MW-7R	8/9/21	3790.51	69.84	--	--	3720.67	90.09
MW-7R	9/29/21	3790.51	69.95	--	--	3720.56	90.20
MW-7R	10/26/21	3790.51	69.95	--	--	3720.56	90.20
MW-7R	11/9/21	3790.51	69.98	--	--	3720.53	90.20
MW-7R	12/21/21	3790.51	70.05	--	--	3720.46	90.20
MW-7R	1/24/22	3790.51	70.15	--	--	3720.36	90.20
MW-7R	2/8/22	3790.51	70.21	--	--	3720.30	88.80
MW-7R	3/14/22	3790.51	70.29	--	--	3720.22	88.80
MW-7R	4/12/22	3790.51	70.35	--	--	3720.16	88.80
MW-7R	5/3/22	3790.51	70.36	--	--	3720.15	88.80

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-7R	6/14/22	3790.51	70.48	--	--	3720.03	88.80
MW-7R	7/27/22	3790.51	70.55	--	--	3719.96	88.80
MW-7R	8/16/22	3790.51	70.62	--	--	3719.89	88.80
MW-7R	11/8/22	3790.51	70.77	--	--	3719.74	88.80
MW-7R	2/6/23	3790.51	70.96	--	--	3719.55	87.92
MW-7R	5/4/23	3790.51	71.20	--	--	3719.31	87.92
MW-7R	8/8/23	3790.51	71.37	--	--	3719.14	87.92
MW-7R	11/7/23	3790.51	71.50	--	--	3719.01	--
MW-8	2/19/20	P&A	--	--	--	--	--
MW-8R	2/19/20	3788.75	--	--	--	--	--
MW-8R	2/26/20	3788.75	67.22	--	--	3721.53	90.64
MW-8R	3/23/20	3788.75	67.39	--	--	3721.36	90.54
MW-8R	5/1/20	3788.75	67.45	--	--	3721.30	--
MW-8R	5/11/20	3788.75	67.41	--	--	3721.34	--
MW-8R	6/18/20	3788.75	67.51	--	--	3721.24	--
MW-8R	7/27/20	3788.75	67.61	--	--	3721.14	--
MW-8R	8/27/20	3788.75	67.68	--	--	3721.07	--
MW-8R	9/15/20	3788.75	67.73	--	--	3721.02	90.54
MW-8R	10/28/20	3788.75	67.85	--	--	3720.90	--
MW-8R	12/7/20	3788.75	67.92	--	--	3720.83	--
MW-8R	1/25/21	3788.75	68.02	--	--	3720.73	--
MW-8R	2/8/21	3788.75	68.05	--	--	3720.70	90.38
MW-8R	3/22/21	3788.75	68.12	--	--	3720.63	--
MW-8R	4/26/21	3788.75	68.19	--	--	3720.56	--
MW-8R	5/10/21	3788.75	68.24	--	--	3720.51	--
MW-8R	7/28/21	3788.75	68.42	--	--	3720.33	--
MW-8R	8/9/21	3788.75	68.42	--	--	3720.33	--
MW-8R	9/29/21	3788.75	68.58	--	--	3720.17	--
MW-8R	10/26/21	3788.75	68.57	--	--	3720.18	90.38
MW-8R	11/9/21	3788.75	68.60	--	--	3720.15	90.38
MW-8R	12/21/21	3788.75	68.69	--	--	3720.06	90.38
MW-8R	1/24/22	3788.75	68.73	--	--	3720.02	90.38
MW-8R	2/8/22	3788.75	68.80	--	--	3719.95	90.60
MW-8R	3/14/22	3788.75	68.88	--	--	3719.87	90.60
MW-8R	4/12/22	3788.75	68.85	--	--	3719.90	90.60
MW-8R	5/3/22	3788.75	68.95	--	--	3719.80	90.60
MW-8R	6/14/22	3788.75	69.07	--	--	3719.68	90.60
MW-8R	7/27/22	3788.75	69.14	--	--	3719.61	90.60
MW-8R	8/16/22	3788.75	69.19	--	--	3719.56	90.60
MW-8R	11/8/22	3788.75	69.37	--	--	3719.38	90.60
MW-8R	2/6/23	3788.75	69.55	--	--	3719.20	89.47
MW-8R	5/4/23	3788.75	69.77	--	--	3718.98	89.47
MW-8R	8/8/23	3788.75	69.98	--	--	3718.77	89.47
MW-8R	11/7/23	3788.75	71.29	--	--	3717.46	--
MW-9	2/19/20	P&A	--	--	--	--	--
MW-9R	2/20/20	3789.02	--	--	--	--	--
MW-9R	2/26/20	3789.02	67.23	--	--	3721.79	89.85
MW-9R	3/23/20	3789.02	67.39	--	--	3721.63	90.50
MW-9R	5/1/20	3789.02	67.46	--	--	3721.56	--
MW-9R	5/11/20	3789.02	67.48	--	--	3721.54	--
MW-9R	6/18/20	3789.02	67.54	--	--	3721.48	--
MW-9R	7/27/20	3789.02	67.61	--	--	3721.41	--
MW-9R	8/27/20	3789.02	67.71	--	--	3721.31	--
MW-9R	9/15/20	3789.02	67.75	--	--	3721.27	90.50
MW-9R	10/28/20	3789.02	67.84	--	--	3721.18	--
MW-9R	12/7/20	3789.02	67.94	--	--	3721.08	--
MW-9R	1/25/21	3789.02	68.05	--	--	3720.97	--
MW-9R	2/8/21	3789.02	68.07	--	--	3720.95	89.97
MW-9R	3/22/21	3789.02	68.07	--	--	3720.95	--
MW-9R	4/26/21	3789.02	68.21	--	--	3720.81	--
MW-9R	5/10/21	3789.02	68.27	--	--	3720.75	--
MW-9R	7/28/21	3789.02	68.44	--	--	3720.58	--
MW-9R	8/9/21	3789.02	68.46	--	--	3720.56	89.97
MW-9R	9/29/21	3789.02	68.55	--	--	3720.47	89.97
MW-9R	10/26/21	3789.02	68.55	--	--	3720.47	89.97
MW-9R	11/9/21	3789.02	68.60	--	--	3720.42	89.97
MW-9R	12/21/21	3789.02	68.67	--	--	3720.35	89.97
MW-9R	1/24/22	3789.02	68.77	--	--	3720.25	89.97

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Plains All American Pipeline, L.P.
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NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-9R	2/8/22	3789.02	68.82	--	--	3720.20	90.08
MW-9R	3/14/22	3789.02	68.89	--	--	3720.13	90.08
MW-9R	4/12/22	3789.02	68.98	--	--	3720.04	90.08
MW-9R	5/3/22	3789.02	68.97	--	--	3720.05	90.08
MW-9R	6/14/22	3789.02	69.10	--	--	3719.92	90.08
MW-9R	7/27/22	3789.02	69.17	--	--	3719.85	90.08
MW-9R	8/16/22	3789.02	69.24	--	--	3719.78	90.08
MW-9R	11/8/22	3789.02	69.39	--	--	3719.63	90.08
MW-9R	2/6/23	3789.02	69.58	--	--	3719.44	89.79
MW-9R	5/4/23	3789.02	69.80	--	--	3719.22	89.79
MW-9R	8/8/23	3789.02	69.99	--	--	3719.03	89.73
MW-9R	11/7/23	3789.02	70.14	--	--	3718.88	--
MW-10	2/19/20	P&A	-	--	--	--	--
MW-10R	2/26/20	3788.90	67.47	--	--	3721.43	90.20
MW-10R	3/23/20	3788.90	67.62	--	--	3721.28	90.25
MW-10R	5/1/20	3788.90	67.70	--	--	3721.20	--
MW-10R	5/11/20	3788.90	67.70	--	--	3721.20	--
MW-10R	6/18/20	3788.90	67.77	--	--	3721.13	--
MW-10R	7/27/20	3788.90	67.84	--	--	3721.06	--
MW-10R	8/27/20	3788.90	67.94	--	--	3720.96	--
MW-10R	9/15/20	3788.90	67.97	--	--	3720.93	90.25
MW-10R	10/28/20	3788.90	68.06	--	--	3720.84	--
MW-10R	12/7/20	3788.90	68.17	--	--	3720.73	--
MW-10R	1/25/21	3788.90	68.27	--	--	3720.63	--
MW-10R	2/8/21	3788.90	68.30	--	--	3720.60	89.61
MW-10R	3/22/21	3788.90	68.38	--	--	3720.52	--
MW-10R	4/26/21	3788.90	68.43	--	--	3720.47	--
MW-10R	5/10/21	3788.90	68.49	--	--	3720.41	--
MW-10R	7/28/21	3788.90	68.65	--	--	3720.25	--
MW-10R	8/9/21	3788.90	68.68	--	--	3720.22	90.33
MW-10R	9/29/21	3788.90	68.79	--	--	3720.11	89.61
MW-10R	10/26/21	3788.90	68.80	--	--	3720.10	89.61
MW-10R	11/9/21	3788.90	68.83	--	--	3720.07	89.61
MW-10R	12/21/21	3788.90	68.91	--	--	3719.99	89.61
MW-10R	1/24/22	3788.90	69.01	--	--	3719.89	89.61
MW-10R	2/8/22	3788.90	69.05	--	--	3719.85	89.90
MW-10R	3/14/22	3788.90	69.10	--	--	3719.80	89.90
MW-10R	4/12/22	3788.90	69.20	--	--	3719.70	89.90
MW-10R	5/3/22	3788.90	69.19	--	--	3719.71	89.90
MW-10R	6/14/22	3788.90	69.31	--	--	3719.59	89.90
MW-10R	7/27/22	3788.90	69.39	--	--	3719.51	89.90
MW-10R	8/16/22	3788.90	69.44	--	--	3719.46	89.90
MW-10R	11/8/22	3788.90	69.61	--	--	3719.29	89.90
MW-10R	2/6/23	3788.90	69.78	--	--	3719.12	88.83
MW-10R	5/4/23	3788.90	70.02	--	--	3718.88	88.83
MW-10R	8/8/23	3788.90	70.14	--	--	3718.76	88.83
MW-10R	11/7/23	3788.90	70.34	--	--	3718.56	--
MW-11	2/19/20	P&A	--	--	--	--	--
MW-12	2/10/20	3789.64	68.64	--	--	3721.00	85.76
MW-12	5/1/20	3789.64	68.80	--	--	3720.84	--
MW-12	5/11/20	3789.64	68.79	--	--	3720.85	--
MW-12	6/18/20	3789.64	68.86	--	--	3720.78	--
MW-12	7/27/20	3789.64	68.94	--	--	3720.70	--
MW-12	8/27/20	3789.64	69.04	--	--	3720.60	--
MW-12	9/15/20	3789.64	69.06	--	--	3720.58	85.76
MW-12	10/28/20	3789.64	69.15	--	--	3720.49	--
MW-12	12/7/20	3789.64	69.25	--	--	3720.39	--
MW-12	1/25/21	3789.64	69.36	--	--	3720.28	--
MW-12	2/8/21	3789.64	69.39	--	--	3720.25	85.65
MW-12	2/8/21	3789.64	69.50	--	--	3720.14	--
MW-12	4/26/21	3789.64	69.53	--	--	3720.11	--
MW-12	5/10/21	3789.64	69.56	--	--	3720.08	--
MW-12	7/28/21	3789.64	69.72	--	--	3719.92	--
MW-12	8/9/21	3789.64	69.77	--	--	3719.87	85.65
MW-12	9/29/21	3789.64	69.86	--	--	3719.78	89.90
MW-12	10/26/21	3789.64	69.87	--	--	3719.77	89.90
MW-12	11/9/21	3789.64	69.80	--	--	3719.84	89.90
MW-12	12/21/21	3789.64	69.99	--	--	3719.65	89.90

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Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-12	1/24/22	3789.64	70.08	--	--	3719.56	89.90
MW-12	2/8/22	3789.64	70.10	--	--	3719.54	85.28
MW-12	3/14/22	3789.64	70.19	--	--	3719.45	85.28
MW-12	4/12/22	3789.64	70.27	--	--	3719.37	85.28
MW-12	5/3/22	3789.64	70.27	--	--	3719.37	85.28
MW-12	6/14/22	3789.64	70.38	--	--	3719.26	85.28
MW-12	7/27/22	3789.64	70.45	--	--	3719.19	85.28
MW-12	8/16/22	3789.64	70.51	--	--	3719.13	85.28
MW-12	11/8/22	3789.64	70.68	--	--	3718.96	85.28
MW-12	2/6/23	3789.64	70.85	--	--	3718.79	85.09
MW-12	5/4/23	3789.64	71.08	--	--	3718.56	85.09
MW-12	6/23/23	3789.64	71.07	--	--	3718.57	--
MW-12	8/8/23	3789.64	71.26	--	--	3718.38	85.09
MW-12	11/7/23	3789.64	71.41	--	--	3718.23	--
MW-13	2/20/20	3789.7	--	--	--	--	--
MW-13	2/26/20	3789.70	67.65	--	--	3722.05	90.00
MW-13	3/23/20	3789.70	67.80	--	--	3721.90	90.05
MW-13	5/1/20	3789.70	67.88	--	--	3721.82	--
MW-13	5/11/20	3789.70	67.89	--	--	3721.81	--
MW-13	6/18/20	3789.70	67.94	--	--	3721.76	--
MW-13	7/27/20	3789.70	68.02	--	--	3721.68	--
MW-13	8/27/20	3789.70	68.12	--	--	3721.58	--
MW-13	9/15/20	3789.70	68.15	--	--	3721.55	90.05
MW-13	10/28/20	3789.70	68.29	--	--	3721.41	--
MW-13	12/7/20	3789.70	68.45	--	--	3721.25	--
MW-13	1/25/21	3789.70	68.48	--	--	3721.22	--
MW-13	2/8/21	3789.70	68.53	--	--	3721.17	90.18
MW-13	3/22/21	3789.70	68.55	--	--	3721.15	--
MW-13	4/26/21	3789.70	68.64	--	--	3721.06	--
MW-13	5/10/21	3789.70	68.69	--	--	3721.01	--
MW-13	7/28/21	3789.70	68.83	--	--	3720.87	--
MW-13	8/9/21	3789.70	68.88	--	--	3720.82	89.93
MW-13	9/29/21	3789.70	69.01	--	--	3720.69	90.18
MW-13	10/26/21	3789.70	69.00	--	--	3720.70	90.18
MW-13	11/9/21	3789.70	69.03	--	--	3720.67	90.18
MW-13	12/21/21	3789.70	69.12	--	--	3720.58	90.18
MW-13	1/24/22	3789.70	69.21	--	--	3720.49	90.18
MW-13	2/8/22	3789.70	69.25	--	--	3720.45	89.80
MW-13	3/14/22	3789.70	69.33	--	--	3720.37	89.80
MW-13	4/12/22	3789.70	69.43	--	--	3720.27	89.80
MW-13	5/3/22	3789.70	69.41	--	--	3720.29	89.80
MW-13	6/14/22	3789.70	69.53	--	--	3720.17	89.80
MW-13	7/27/22	3789.70	69.90	--	--	3719.80	89.80
MW-13	8/16/22	3789.70	69.66	--	--	3720.04	89.80
MW-13	11/8/22	3789.70	69.82	--	--	3719.88	89.80
MW-13	2/6/23	3789.70	70.02	--	--	3719.68	89.39
MW-13	5/4/23	3789.70	70.25	--	--	3719.45	89.39
MW-13	8/8/23	3789.70	70.43	--	--	3719.27	89.39
MW-13	11/7/23	3789.70	70.59	--	--	3719.11	--
RW-1	1/8/20	3789.85	--	--	--	--	--
RW-1	1/14/20	3789.85	--	--	--	--	--
RW-1	2/10/20	3789.85	68.14	66.76	1.38	3722.83	68.18
RW-1	2/25/20	3789.85	--	--	--	--	--
RW-1	5/1/20	3789.85	LNAPL	66.92	1.13	--	68.05
RW-1	5/11/20	3789.85	68.01	66.93	1.08	3722.71	--
RW-1	6/18/20	3789.85	68.04	67.02	1.02	3722.64	--
RW-1	7/27/20	3789.85	LNAPL	67.06	0.79	--	67.85
RW-1	8/27/20	3789.85	LNAPL	67.13	0.73	--	67.86
RW-1	9/15/20	3789.85	LNAPL	67.21	0.83	--	68.04
RW-1	10/28/20	3789.85	LNAPL	67.29	0.47	--	67.76
RW-1	12/7/20	3789.85	LNAPL	67.36	0.53	--	67.89
RW-1	1/25/21	3789.85	67.98	67.50	0.39	3722.19	--
RW-1	2/8/21	3789.85	--	67.51	0.69	--	68.20
RW-1	3/22/21	3789.85	67.93	67.56	0.37	3722.22	68.20
RW-1	4/26/21	3789.85	68.05	67.55	0.50	3722.21	68.20
RW-1	5/10/21	3789.85	67.86	67.60	0.26	3722.20	68.20
RW-1	7/28/21	3789.85	LNAPL	67.77	0.43	--	68.20
RW-1	8/9/21	3789.85	67.80	67.78	0.02	3722.07	68.20

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Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-1	9/29/21	3789.85	Dry	--	--	--	67.80
RW-1	10/11/21	3789.85	67.79	67.77	0.02	3722.08	68.20
RW-1	10/26/21	3789.85	67.81	67.80	0.01	3722.05	68.20
RW-1	11/9/21	3789.85	67.77	67.75	0.02	3722.10	68.20
RW-1	12/21/21	3789.85	68.12	67.91	0.21	3721.90	68.20
RW-1	1/24/22	3789.85	67.76	67.75	0.01	3722.10	68.20
RW-1	2/8/22	3789.85	67.75	67.73	0.02	3722.12	--
RW-1	3/14/22	3789.85	Dry	--	--	--	67.80
RW-1	4/12/22	3789.85	Dry	--	--	--	67.80
RW-1	5/3/22	3789.85	Dry	--	--	--	67.80
RW-1	6/14/22	3789.85	Dry	--	--	--	67.80
RW-1	7/27/22	3789.85	Dry	--	--	--	67.80
RW-1	8/16/22	3789.85	Dry	--	--	--	67.80
RW-1	11/8/22	3789.85	Dry	--	--	--	67.80
RW-1	2/9/23	3789.85	67.68	67.67	0.01	3722.18	67.80
RW-1	3/21/23	3789.85	71.22	70.45	0.77	3719.25	67.80
RW-1	4/13/23	3789.85	67.69	--	--	3722.16	67.80
RW-1	4/20/23	3789.85	67.68	--	--	3722.17	67.80
RW-1	5/4/23	3789.85	Dry	--	--	--	67.70
RW-1	5/18/23	3789.85	--	--	--	--	67.70
RW-1	5/30/23	3789.85	--	--	--	--	67.70
RW-1	6/15/23	3789.85	--	--	--	--	67.77
RW-1	6/23/23	3789.85	67.70	--	--	3722.15	67.70
RW-1	7/6/23	3789.85	67.64	--	--	3722.21	67.70
RW-1	8/3/23	3789.85	67.67	--	--	3722.18	--
RW-1	8/8/23	3789.85	--	68.67	--	--	68.67
RW-1	8/31/23	3789.85	67.69	67.65	0.04	3722.19	--
RW-1	9/7/23	3789.85	67.66	67.64	0.02	3722.21	--
RW-1	9/14/23	3789.85	67.69	--	--	3722.16	--
RW-1	9/22/23	3789.85	67.70	--	--	3722.15	--
RW-1	10/5/23	3789.85	67.66	67.65	0.01	3722.19	--
RW-1	10/12/23	3789.85	67.65	67.63	0.02	3722.22	--
RW-1	10/19/23	3789.85	67.67	67.66	0.01	3722.19	--
RW-1	10/23/23	3789.85	67.68	67.67	0.01	3722.18	--
RW-1	11/2/23	3789.85	67.69	67.07	0.02	3722.18	--
RW-1	12/7/23	3653.92	67.68	67.67	0.01	3586.25	--
RW-2	1/8/20	3790.24	--	--	--	--	--
RW-2	1/14/20	3790.24	--	--	--	--	--
RW-2	2/10/20	3790.24	LNAPL	67.09	1.43	--	68.52
RW-2	5/1/20	3790.24	LNAPL	67.21	1.19	--	68.40
RW-2	5/11/20	3790.24	68.52	67.24	1.28	3722.76	--
RW-2	6/18/20	3790.24	68.40	67.33	1.07	3722.71	--
RW-2	7/27/20	3790.24	LNAPL	67.37	0.83	--	68.20
RW-2	8/27/20	3790.24	LNAPL	67.42	0.82	--	68.24
RW-2	9/15/20	3790.24	LNAPL	67.52	0.90	--	68.42
RW-2	10/28/20	3790.24	LNAPL	67.61	0.80	--	68.41
RW-2	12/7/20	3790.24	68.43	67.69	0.74	3722.41	--
RW-2	1/25/21	3790.24	LNAPL	67.78	0.74	--	68.52
RW-2	2/8/21	3790.24	LNAPL	67.09	1.44	--	68.53
RW-2	3/22/21	3790.24	LNAPL	67.90	0.50	--	68.40
RW-2	4/26/21	3790.24	68.78	67.94	0.84	3722.14	--
RW-2	5/10/21	3790.24	LNAPL	67.96	0.44	--	68.40
RW-2	7/28/21	3790.24	LNAPL	68.11	0.03	--	68.14
RW-2	8/9/21	3790.24	68.24	68.15	0.09	3722.07	--
RW-2	9/29/21	3790.24	Dry	--	--	--	68.53
RW-2	10/26/21	3790.24	LNAPL	68.51	0.02	--	68.53
RW-2	11/9/21	3790.24	Dry	--	--	--	68.53
RW-2	12/21/21	3790.24	Dry	--	--	--	68.53
RW-2	1/24/22	3790.24	68.40	68.25	0.15	3721.96	68.53
RW-2	2/8/22	3790.24	Dry	--	--	--	67.52
RW-2	3/14/22	3790.24	Dry	--	--	--	67.52
RW-2	4/12/22	3790.24	67.32	67.25	0.07	3722.98	67.52
RW-2	5/3/22	3790.24	Dry	--	--	--	67.52
RW-2	6/14/22	3790.24	68.39	68.24	0.15	3721.97	68.39
RW-2	6/23/22	3790.24	68.29	68.26	0.03	3721.97	68.40
RW-2	7/27/22	3790.24	Dry	--	--	--	67.52
RW-2	8/16/22	3790.24	Dry	--	--	--	67.52
RW-2	11/8/22	3790.24	LNAPL	62.51	5.01	--	67.52

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-2	12/9/22	3790.24	Dry	--	--	--	67.52
RW-2	12/9/22	3790.24	Dry	--	--	--	67.52
RW-2	1/13/23	3790.24	68.34	68.24	0.10	3721.98	67.52
RW-2	2/6/23	3790.24	68.35	68.26	0.09	3721.96	67.52
RW-2	3/21/23	3790.24	Dry	--	--	--	67.52
RW-2	4/13/23	3790.24	68.35	68.25	0.1	3721.97	67.52
RW-2	4/20/23	3790.24	67.40	--	--	3722.84	67.52
RW-2	5/4/23	3790.24	Dry	--	--	--	68.41
RW-2	5/18/23	3790.24	68.33	68.28	0.05	3721.95	68.41
RW-2	5/30/23	3790.24	68.37	68.25	0.12	3721.97	68.41
RW-2	6/15/23	3790.24	68.34	68.20	0.14	3722.01	68.41
RW-2	6/23/23	3790.24	68.38	68.25	0.13	3721.97	68.41
RW-2	7/6/23	3790.24	68.33	68.17	0.16	3722.04	68.41
RW-2	8/3/23	3790.24	68.52	68.51	0.01	3721.73	--
RW-2	8/8/23	3790.24	68.35	68.28	0.07	3721.95	68.41
RW-2	8/31/23	3790.24	68.33	68.28	0.05	3721.95	--
RW-2	9/7/23	3790.24	68.33	68.30	0.03	3721.93	--
RW-2	9/14/23	3790.24	68.32	68.27	0.05	3721.96	--
RW-2	9/22/23	3790.24	68.39	68.32	0.07	3721.91	--
RW-2	10/5/23	3790.24	68.34	68.28	0.06	3721.95	--
RW-2	10/12/23	3790.24	68.38	68.33	0.05	3721.90	--
RW-2	10/19/23	3790.24	68.34	68.30	0.04	3721.93	--
RW-2	10/23/23	3790.24	68.32	68.29	0.03	3721.94	--
RW-2	11/2/23	3790.24	68.36	68.31	0.05	3721.92	--
RW-2	11/7/23	3790.24	68.32	68.29	0.03	3721.94	--
RW-2	12/7/23	3790.24	68.40	68.33	0.07	3721.90	--
RW-3	2/10/20	3790.24	70.75	67.32	3.43	3722.27	71.30
RW-3	5/1/20	3790.24	--	--	--	--	--
RW-3	5/11/20	3790.24	70.75	67.82	2.93	3721.86	--
RW-3	6/18/20	3790.24	70.73	67.61	3.12	3722.04	--
RW-3	7/27/20	3790.24	70.71	67.65	3.06	3722.01	--
RW-3	8/27/20	3790.24	70.71	67.70	3.01	3721.97	--
RW-3	9/15/20	3790.24	70.71	67.78	2.93	3721.90	--
RW-3	10/28/20	3790.24	70.71	67.88	2.83	3721.82	--
RW-3	12/7/20	3790.24	70.71	67.88	2.83	3721.82	--
RW-3	1/25/21	3790.24	70.76	68.05	2.71	3721.68	--
RW-3	2/8/21	3790.24	70.77	68.08	2.69	3721.65	71.27
RW-3	3/22/21	3790.24	70.73	68.19	2.54	3721.57	--
RW-3	4/26/21	3790.24	70.70	68.72	1.98	3721.14	--
RW-3	5/10/21	3790.24	70.65	68.29	2.36	3721.50	--
RW-3	7/28/21	3790.24	70.71	68.45	2.26	3721.36	--
RW-3	8/9/21	3790.24	70.70	68.78	1.92	3721.10	--
RW-3	9/29/21	3790.24	70.73	68.58	2.15	3721.25	71.27
RW-3	10/26/21	3790.24	70.73	68.60	2.13	3721.24	71.27
RW-3	11/9/21	3790.24	70.70	68.64	2.06	3721.21	71.27
RW-3	12/21/21	3790.24	70.73	68.75	1.98	3721.11	71.27
RW-3	1/24/22	3790.24	70.72	68.80	1.92	3721.08	71.27
RW-3	2/8/22	3790.24	70.68	68.82	1.86	3721.07	--
RW-3	3/7/22	3790.24	70.73	68.91	1.82	3720.98	--
RW-3	3/14/22	3790.24	71.09	68.93	2.16	3720.90	71.20
RW-3	3/21/22	3790.24	71.10	68.90	2.20	3720.92	71.20
RW-3	3/28/22	3790.24	71.02	68.95	2.07	3720.90	71.20
RW-3	4/4/22	3790.24	LNAPL	68.99	2.21	--	71.20
RW-3	4/12/22	3790.24	71.18	69.00	2.18	3720.83	71.20
RW-3	4/18/22	3790.24	71.18	69.01	2.17	3720.82	71.20
RW-3	4/25/22	3790.24	71.15	69.04	2.11	3720.80	71.20
RW-3	5/3/22	3790.24	71.11	69.02	2.09	3720.82	71.20
RW-3	5/9/22	3790.24	LNAPL	69.06	2.14	--	71.20
RW-3	5/23/22	3790.24	LNAPL	69.12	2.08	--	71.20
RW-3	6/3/22	3790.24	71.17	69.08	2.09	3720.76	71.20
RW-3	6/10/22	3790.24	LNAPL	69.10	2.10	--	71.20
RW-3	6/14/22	3790.24	LNAPL	69.14	2.06	--	71.20
RW-3	6/20/22	3790.24	LNAPL	69.12	2.08	--	71.20
RW-3	6/27/22	3790.24	LNAPL	69.15	2.05	--	71.20
RW-3	7/5/22	3790.24	LNAPL	69.17	2.03	--	71.20
RW-3	7/22/22	3790.24	LNAPL	69.22	1.98	--	71.20
RW-3	7/27/22	3790.24	LNAPL	71.20	0.00	--	71.20
RW-3	8/16/22	3790.24	LNAPL	69.28	1.92	--	71.20

Table 1a

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SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-3	9/1/22	3790.24	LNAPL	69.27	1.93	--	71.20
RW-3	9/9/22	3790.24	LNAPL	69.28	1.92	--	71.20
RW-3	9/16/22	3790.24	LNAPL	69.27	1.93	--	71.20
RW-3	9/23/22	3790.24	LNAPL	69.32	1.88	--	71.20
RW-3	10/14/22	3790.24	LNAPL	69.36	1.90	--	71.26
RW-3	10/21/22	3790.24	LNAPL	69.37	1.89	--	71.26
RW-3	11/8/22	3790.24	LNAPL	69.44	1.82	--	71.26
RW-3	11/18/22	3790.24	LNAPL	69.42	1.84	--	71.26
RW-3	11/21/22	3790.24	LNAPL	69.44	1.82	--	71.26
RW-3	12/2/22	3790.24	LNAPL	69.71	1.55	--	71.26
RW-3	12/9/22	3790.24	71.29	69.46	1.83	--	71.26
RW-3	12/15/22	3790.24	71.24	69.53	1.71	--	71.26
RW-3	1/13/23	3790.24	71.18	69.51	1.67	--	71.26
RW-3	2/9/23	3790.24	LNAPL	69.59	1.60	--	71.19
RW-3	3/21/23	3790.24	71.17	69.75	1.42	--	71.19
RW-3	4/13/23	3790.24	71.19	69.66	1.53	--	71.19
RW-3	4/20/23	3790.24	71.17	69.71	1.46	--	71.19
RW-3	5/4/23	3790.24	LNAPL	69.72	1.47	--	71.19
RW-3	5/18/23	3790.24	71.18	69.77	1.41	3720.20	71.19
RW-3	5/30/23	3790.24	71.18	69.79	1.39	3720.19	71.19
RW-3	6/15/23	3790.24	71.17	69.70	1.47	3720.26	71.19
RW-3	6/23/23	3790.24	71.17	69.85	1.32	3720.14	71.19
RW-3	7/6/23	3790.24	71.17	69.62	1.55	3720.33	71.19
RW-3	7/24/23	3790.24	--	69.91	1.29	--	71.20
RW-3	8/3/23	3790.24	71.22	69.92	1.30	3720.07	--
RW-3	8/8/23	3790.24	71.19	69.92	1.27	3720.08	71.19
RW-3	8/31/23	3790.24	--	69.96	1.18	--	--
RW-3	9/7/23	3790.24	--	69.99	1.15	--	71.74
RW-3	9/14/23	3790.24	71.18	70.03	1.15	3719.99	--
RW-3	9/22/23	3790.24	--	70.11	1.08	--	71.19
RW-3	10/5/23	3790.24	--	69.97	1.17	--	71.14
RW-3	10/12/23	3790.24	71.13	69.59	1.24	3720.12	--
RW-3	10/19/23	3790.24	--	69.92	1.23	--	71.15
RW-3	10/23/23	3790.24	--	70.10	1.05	--	71.15
RW-3	11/2/23	3790.24	--	69.89	1.29	--	71.18
RW-3	11/7/23	3790.24	--	70.11	1.08	--	71.19
RW-3	12/7/23	3790.24	--	69.89	1.29	--	71.18
RW-4	2/19/20	P&A	--	--	--	--	--
RW-4R	2/24/20	3789.19	--	--	--	--	--
RW-4R	2/26/20	3789.19	67.69	67.60	0.09	3721.57	90.11
RW-4R	3/23/20	3789.19	69.05	67.53	1.52	3721.37	90.05
RW-4R	5/1/20	3789.19	72.04	66.96	5.08	3721.26	--
RW-4R	5/11/20	3789.19	72.51	66.89	5.62	3721.23	--
RW-4R	6/18/20	3789.19	--	--	--	--	--
RW-4R	7/27/20	3789.19	--	--	--	--	--
RW-4R	8/27/20	3789.19	--	--	--	--	--
RW-4R	9/15/20	3789.19	72.65	67.21	5.44	3720.95	--
RW-4R	10/28/20	3789.19	72.26	67.38	4.88	3720.88	--
RW-4R	12/7/20	3789.19	--	--	--	--	--
RW-4R	1/25/21	3789.19	--	--	--	--	--
RW-4R	2/8/21	3789.19	71.77	67.74	4.03	3720.68	90.31
RW-4R	3/22/21	3789.19	--	--	--	--	--
RW-4R	4/26/21	3789.19	--	--	--	--	--
RW-4R	5/10/21	3789.19	71.58	68.03	3.55	3720.49	--
RW-4R	7/28/21	3789.19	--	--	--	--	--
RW-4R	8/9/21	3789.19	72.25	68.28	3.97	3720.16	--
RW-4R	9/29/21	3789.19	72.46	68.18	4.28	3720.20	90.31
RW-4R	10/26/21	3789.19	72.46	68.19	4.27	3720.19	90.31
RW-4R	11/9/21	3789.19	73.73	68.22	5.51	3719.92	90.31
RW-4R	12/21/21	3789.19	Pump	--	--	--	90.31
RW-4R	1/24/22	3789.19	Pump	--	--	--	90.31
RW-4R	2/8/22	3789.19	74.33	68.42	5.91	3719.65	--
RW-4R	3/14/22	3789.19	74.89	68.47	6.42	3719.50	90.26
RW-4R	4/12/22	3789.19	Pump	--	--	--	90.26
RW-4R	5/3/22	3789.19	74.30	68.58	5.72	3719.52	90.26
RW-4R	6/14/22	3789.19	Pump	--	--	--	90.26
RW-4R	7/27/22	3789.19	Pump	--	--	--	90.26
RW-4R	8/16/22	3789.19	Pump	--	--	--	90.26

Table 1a
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NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-4R	11/8/22	3789.19	75.28	68.98	6.30	3719.01	90.26
RW-4R	2/9/23	3789.19	75.53	68.98	6.55	3718.97	90.26
RW-4R	5/4/23	3789.19	75.48	69.35	6.13	3718.68	90.03
RW-4R	8/8/23	3789.19	75.10	69.64	5.46	3718.51	90.03
RW-4R	11/7/23	3789.19	75.62	69.83	5.79	3718.26	--
RW-5	1/8/20	3789.81	--	--	--	--	--
RW-5	1/14/20	3789.81	--	--	--	--	--
RW-5	2/10/20	3789.81	69.87	67.90	1.97	3721.54	71.70
RW-5	2/25/20	3789.81	--	--	--	--	--
RW-5	5/1/20	3789.81	LNAPL	67.48	4.16+	--	71.64
RW-5	5/11/20	3789.81	71.63	67.48	4.15	3721.54	--
RW-5	6/18/20	3789.81	--	--	--	--	--
RW-5	7/27/20	3789.81	--	--	--	--	--
RW-5	8/27/20	3789.81	--	--	--	--	--
RW-5	9/15/20	3789.81	69.27	68.64	0.63	3721.05	--
RW-5	10/28/20	3789.81	70.76	68.40	2.36	3720.96	--
RW-5	12/7/20	3789.81	LNAPL	68.18	3.47	--	71.65
RW-5	1/25/21	3789.81	LNAPL	68.07	3.63	--	71.70
RW-5	2/8/21	3789.81	LNAPL	68.01	3.67	--	71.68
RW-5	3/22/21	3789.81	LNAPL	68.17	3.42	--	71.59
RW-5	4/26/21	3789.81	71.70	68.21	3.49	3720.94	--
RW-5	5/10/21	3789.81	LNAPL	68.27	3.35	--	71.62
RW-5	7/28/21	3789.81	71.53	68.45	3.08	3720.77	--
RW-5	8/9/21	3789.81	71.57	68.47	3.10	3720.75	--
RW-5	9/29/21	3789.81	71.65	68.57	3.08	3720.65	71.68
RW-5	10/26/21	3789.81	LNAPL	68.60	3.08	--	71.68
RW-5	11/9/21	3789.81	71.61	68.65	2.96	3720.60	71.68
RW-5	12/21/21	3789.81	Pump	--	--	--	71.68
RW-5	1/24/22	3789.81	71.61	68.81	2.80	3720.47	71.68
RW-5	2/8/22	3789.81	71.61	68.84	2.77	3720.44	--
RW-5	3/7/22	3789.81	71.61	68.93	2.68	3720.37	--
RW-5	3/14/22	3789.81	71.66	69.07	2.59	3720.25	71.78
RW-5	3/21/22	3789.81	71.66	68.98	2.68	3720.32	71.78
RW-5	3/28/22	3789.81	71.61	69.08	2.53	3720.25	71.78
RW-5	4/4/22	3789.81	71.01	68.62	2.39	3720.74	71.78
RW-5	4/12/22	3789.81	71.73	69.28	2.45	3720.06	71.78
RW-5	4/18/22	3789.81	71.26	69.28	1.98	3720.15	71.78
RW-5	4/25/22	3789.81	71.64	69.39	2.25	3719.99	71.78
RW-5	5/3/22	3789.81	71.61	69.22	2.39	3720.14	71.78
RW-5	5/9/22	3789.81	71.61	69.26	2.35	3720.10	71.78
RW-5	5/23/22	3789.81	71.65	69.17	2.48	3720.17	71.78
RW-5	6/3/22	3789.81	71.56	69.24	2.32	3720.13	71.78
RW-5	6/10/22	3789.81	71.57	69.19	2.38	3720.17	71.78
RW-5	6/14/22	3789.81	71.59	69.70	1.89	3719.75	71.78
RW-5	6/27/22	3789.81	71.64	69.47	2.17	3719.93	71.78
RW-5	7/5/22	3789.81	71.13	69.34	1.79	3720.13	71.78
RW-5	7/22/22	3789.81	71.04	69.33	1.71	3720.16	71.78
RW-5	7/27/22	3789.81	71.61	69.42	2.19	3719.97	71.78
RW-5	8/4/22	3789.81	71.62	69.32	2.30	3720.05	71.78
RW-5	8/16/22	3789.81	71.48	69.41	2.07	3720.01	71.78
RW-5	9/1/22	3789.81	LNAPL	69.41	2.37	--	71.78
RW-5	9/9/22	3789.81	71.65	69.42	2.23	3719.97	71.78
RW-5	9/16/22	3789.81	71.62	69.44	2.18	3719.96	71.78
RW-5	9/23/22	3789.81	71.66	69.50	2.16	3719.90	71.78
RW-5	10/14/22	3789.81	71.62	69.46	2.16	3719.94	71.78
RW-5	10/21/22	3789.81	71.65	69.52	2.13	3719.89	71.78
RW-5	11/8/22	3789.81	71.68	69.58	2.10	3719.83	71.78
RW-5	11/18/22	3789.81	71.68	69.58	2.10	3719.83	71.78
RW-5	11/21/22	3789.81	71.62	70.14	1.48	3719.39	71.78
RW-5	12/2/22	3789.81	71.66	69.63	2.03	3719.79	71.78
RW-5	12/9/22	3789.81	71.66	69.61	2.05	3719.81	71.78
RW-5	12/15/22	3789.81	71.93	69.81	2.12	3719.60	71.78
RW-5	1/13/23	3789.81	71.64	69.64	2.00	3719.79	71.78
RW-5	2/9/23	3789.81	71.61	69.70	1.91	3719.75	71.78
RW-5	3/21/23	3789.81	71.12	69.84	1.28	3719.73	71.78
RW-5	4/13/23	3789.81	71.62	69.81	1.81	3719.66	71.78
RW-5	4/20/23	3789.81	71.66	69.82	1.84	3719.64	71.78
RW-5	5/4/23	3789.81	71.64	69.82	1.82	3719.64	72.08

Table 1a
Summary of Groundwater Gauging and Elevation Data (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-5	5/18/23	3789.81	71.63	69.84	1.79	3719.63	72.08
RW-5	5/30/23	3789.81	71.63	69.87	1.76	3719.61	72.08
RW-5	6/15/23	3789.81	71.66	69.70	1.96	3719.74	72.08
RW-5	6/23/23	3789.81	71.66	69.91	1.75	3719.57	72.08
RW-5	7/6/23	3789.81	71.61	69.84	1.77	3719.63	72.08
RW-5	8/3/23	3789.81	71.91	69.95	1.96	3719.49	--
RW-5	8/8/23	3789.81	71.92	69.99	1.93	3719.45	72.08
RW-5	8/31/23	3789.81	71.90	70.05	1.85	3719.41	--
RW-5	9/7/23	3789.81	71.91	70.10	1.81	3719.37	--
RW-5	9/14/23	3789.81	71.86	70.09	1.77	3719.38	--
RW-5	9/22/23	3789.81	71.68	70.12	1.56	3719.39	--
RW-5	10/5/23	3789.81	71.93	70.16	1.77	3719.31	--
RW-5	10/12/23	3789.81	71.88	70.13	1.75	3719.35	--
RW-5	10/19/23	3789.81	71.91	70.11	1.80	3719.36	--
RW-5	10/23/23	3789.81	71.65	70.16	1.49	3719.37	--
RW-5	11/2/23	3789.81	71.89	70.13	1.76	3719.35	--
RW-5	11/7/23	3789.81	71.66	70.19	1.47	3719.34	--
RW-5	12/7/23	3789.81	71.81	70.11	1.70	3719.38	--
RW-6	1/14/20	3789.56	--	--	--	--	--
RW-6	2/10/20	3789.56	LNAPL	66.63	4.16	--	70.79
RW-6	5/1/20	3789.56	--	--	--	--	--
RW-6	5/11/20	3789.56	70.66	66.82	3.84	3722.01	--
RW-6	6/18/20	3789.56	--	--	--	--	--
RW-6	7/27/20	3789.56	--	--	--	--	--
RW-6	8/27/20	3789.56	--	--	--	--	--
RW-6	9/15/20	3789.56	LNAPL	67.13	1.61	--	68.74
RW-6	10/28/20	3789.56	71.63	67.22	4.41	3721.50	--
RW-6	12/7/20	3789.56	LNAPL	67.29	3.75	--	71.04
RW-6	1/25/21	3789.56	LNAPL	67.40	3.45	--	70.85
RW-6	2/8/21	3789.56	LNAPL	67.42	3.58	--	71.00
RW-6	3/22/21	3789.56	LNAPL	67.52	1.21	--	68.73
RW-6	4/26/21	3789.56	LNAPL	67.50	1.23	--	68.73
RW-6	5/10/21	3789.56	LNAPL	67.62	1.09	--	68.71
RW-6	7/28/21	3789.56	LNAPL	67.82	0.89	--	68.71
RW-6	8/9/21	3789.56	LNAPL	68.11	0.94	--	69.05
RW-6	9/29/21	3789.56	LNAPL	68.23	2.77	--	71.00
RW-6	10/26/21	3789.56	LNAPL	68.23	2.77	--	71.00
RW-6	11/9/21	3789.56	LNAPL	68.27	2.73	--	71.00
RW-6	12/21/21	3789.56	LNAPL	68.12	2.88	--	71.00
RW-6	1/24/22	3789.56	LNAPL	68.18	2.82	--	71.00
RW-6	2/8/22	3789.56	LNAPL	68.46	2.56	--	71.02
RW-6	3/7/22	3789.56	LNAPL	68.28	2.74	--	71.02
RW-6	3/14/22	3789.56	LNAPL	67.32	3.70	--	71.02
RW-6	3/21/22	3789.56	LNAPL	68.58	2.44	--	71.02
RW-6	3/28/22	3789.56	LNAPL	68.60	0.37	--	68.97
RW-6	4/4/22	3789.56	LNAPL	69.24	1.78	--	71.02
RW-6	4/12/22	3789.56	LNAPL	68.40	2.62	--	71.02
RW-6	4/18/22	3789.56	LNAPL	68.40	2.62	--	71.02
RW-6	4/25/22	3789.56	LNAPL	68.69	2.33	--	71.02
RW-6	5/3/22	3789.56	68.98	68.65	0.33	3720.85	71.02
RW-6	5/9/22	3789.56	68.98	68.00	0.98	3721.37	71.02
RW-6	6/14/22	3789.56	68.97	68.79	0.18	3720.74	71.02
RW-6	7/27/22	3789.56	71.30	68.86	2.44	3720.24	71.02
RW-6	8/4/22	3789.56	71.67	68.87	2.80	3720.16	71.02
RW-6	8/16/22	3789.56	NA	--	--	--	71.02
RW-6	11/8/22	3789.56	LNAPL	69.10	1.92	--	71.02
RW-6	12/9/22	3789.56	71.32	69.13	2.19	--	71.02
RW-6	12/9/22	3789.56	LNAPL	69.16	1.86	--	71.02
RW-6	2/9/23	3789.56	Dry	--	--	--	69.69
RW-6	3/21/23	3789.56	Dry	--	--	--	69.69
RW-6	4/13/23	3789.56	Dry	--	--	--	69.69
RW-6	5/4/23	3789.56	Dry	--	--	--	68.98
RW-6	5/18/23	3789.56	--	--	--	--	68.98
RW-6	5/30/23	3789.56	--	--	--	--	68.98
RW-6	6/15/23	3789.56	--	--	--	--	68.98
RW-6	6/23/23	3789.56	--	--	--	--	68.98
RW-6	7/6/23	3789.56	--	--	--	--	68.98
RW-6	8/3/23	3789.56	71.26	69.57	1.69	3719.67	--

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-6	8/8/23	3789.56	--	--	--	--	68.17
RW-7R	1/14/20	3790.58	--	--	--	--	--
RW-7R	1/29/20	3790.58	69.10	68.15	0.95	3722.25	--
RW-7R	2/10/20	3790.58	68.48	68.26	0.22	3722.28	81.23
RW-7R	2/25/20	3790.58	--	--	--	--	--
RW-7R	5/1/20	3790.58	69.93	68.18	1.75	3722.07	--
RW-7R	5/11/20	3790.58	70.08	68.13	1.95	3722.08	--
RW-7R	6/18/20	3790.58	70.69	68.18	2.51	3721.92	--
RW-7R	7/27/20	3790.58	71.20	68.14	3.06	3721.86	--
RW-7R	8/27/20	3790.58	71.51	68.10	3.41	3721.83	--
RW-7R	9/15/20	3789.90	71.80	68.19	3.61	3721.02	--
RW-7R	10/28/20	3789.90	72.14	68.22	3.92	3720.94	--
RW-7R	12/7/20	3789.90	72.35	68.23	4.12	3720.89	--
RW-7R	1/25/21	3789.90	72.64	68.28	4.36	3720.79	--
RW-7R	2/8/21	3789.90	72.72	68.30	4.42	3720.76	81.24
RW-7R	3/22/21	3789.90	--	--	--	--	--
RW-7R	4/26/21	3789.90	--	--	--	--	--
RW-7R	5/10/21	3789.90	69.07	69.02	0.05	3720.87	--
RW-7R	7/28/21	3789.90	71.04	69.09	1.95	3720.44	--
RW-7R	8/9/21	3789.90	71.23	69.08	2.15	3720.41	--
RW-7R	9/29/21	3789.90	71.80	69.10	2.70	3720.29	81.24
RW-7R	10/26/21	3789.90	71.84	69.14	2.70	3720.25	81.24
RW-7R	11/9/21	3789.90	72.11	69.10	3.01	3720.23	81.24
RW-7R	12/21/21	3789.90	71.96	69.28	2.68	3720.11	81.24
RW-7R	1/24/22	3789.90	72.62	69.33	3.29	3719.94	81.24
RW-7R	2/8/22	3789.90	72.65	69.21	3.44	3720.04	--
RW-7R	3/7/22	3789.90	72.78	69.28	3.50	3719.96	--
RW-7R	3/14/22	3789.90	71.19	69.68	1.51	3719.93	81.18
RW-7R	3/21/22	3789.90	71.78	69.63	2.15	3719.86	81.18
RW-7R	3/28/22	3789.90	70.70	69.82	0.88	3719.91	81.18
RW-7R	4/4/22	3789.90	70.76	69.78	0.98	3719.93	81.18
RW-7R	4/12/22	3789.90	70.89	69.80	1.09	3719.89	81.18
RW-7R	4/18/22	3789.90	70.51	69.82	0.69	3719.95	81.18
RW-7R	5/3/22	3789.90	71.16	69.76	1.40	3719.87	81.18
RW-7R	5/9/22	3789.90	71.18	69.78	1.40	3719.85	81.18
RW-7R	6/14/22	3789.90	71.52	69.80	1.72	3719.77	81.18
RW-7R	6/27/22	3789.90	71.59	69.82	1.77	3719.74	81.18
RW-7R	7/5/22	3789.90	70.53	70.05	0.48	3719.76	81.18
RW-7R	7/22/22	3789.90	70.72	70.51	0.21	3719.35	81.18
RW-7R	7/28/22	3789.90	70.77	70.07	0.70	3719.70	81.18
RW-7R	8/16/22	3789.90	71.00	70.11	0.89	3719.62	81.18
RW-7R	11/8/22	3789.90	71.63	70.20	1.43	3719.43	81.18
RW-7R	12/9/22	3789.90	71.79	70.18	1.61	3719.41	81.18
RW-7R	12/15/22	3789.90	71.02	69.47	1.55	3720.14	81.18
RW-7R	1/13/23	3789.90	70.80	70.47	0.33	3719.37	81.18
RW-7R	2/9/23	3789.90	70.85	70.60	0.25	3719.25	81.18
RW-7R	3/21/23	3789.90	71.15	70.70	0.45	3719.11	81.18
RW-7R	4/13/23	3789.90	71.31	70.75	0.56	3719.04	81.18
RW-7R	4/20/23	3789.90	70.91	70.73	0.18	3719.14	81.18
RW-7R	5/4/23	3789.90	71.93	70.76	1.17	3718.92	81.14
RW-7R	5/18/23	3789.90	71.13	70.75	0.38	3719.08	81.14
RW-7R	5/30/23	3789.90	71.33	70.78	0.55	3719.02	81.14
RW-7R	6/15/23	3789.90	71.32	70.78	0.54	3719.02	81.14
RW-7R	6/23/23	3789.90	71.42	70.81	0.61	3718.97	81.14
RW-7R	7/6/23	3789.90	71.26	70.77	0.49	3719.04	81.14
RW-7R	8/3/23	3790.51	71.37	70.91	0.46	3719.51	--
RW-7R	8/8/23	3789.90	71.41	70.93	0.48	3718.88	81.14
RW-7R	8/31/23	3790.51	71.54	70.97	0.57	3719.43	--
RW-7R	9/7/23	3790.51	71.59	71.02	0.57	3719.38	--
RW-7R	9/14/23	3790.51	71.62	71.11	0.51	3719.30	--
RW-7R	9/22/23	3790.51	71.68	71.05	0.63	3719.34	--
RW-7R	10/5/23	3790.51	71.58	71.08	0.50	3719.34	--
RW-7R	10/12/23	3790.51	71.52	71.06	0.46	3719.36	--
RW-7R	10/19/23	3790.51	71.54	71.06	0.48	3719.36	--
RW-7R	10/23/23	3790.51	71.80	71.06	0.74	3719.31	--
RW-7R	11/2/23	3790.51	71.51	71.09	0.42	3719.34	--
RW-7R	11/7/23	3790.51	71.84	71.09	0.75	3719.28	--
RW-7R	12/7/23	3790.51	71.55	71.10	0.45	3719.32	--

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Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-8	2/10/20	3790.01	73.08	67.00	6.08	3721.85	82.82
RW-8	5/1/20	3790.01	--	--	--	--	--
RW-8	5/11/20	3790.01	70.96	67.63	3.33	3721.75	--
RW-8	6/18/20	3790.01	72.93	67.34	5.59	3721.61	--
RW-8	7/27/20	3790.01	73.53	67.28	6.25	3721.54	--
RW-8	8/27/20	3790.01	73.74	67.31	6.43	3721.48	--
RW-8	9/15/20	3790.01	73.91	67.39	6.52	3721.38	--
RW-8	10/28/20	3790.01	74.11	67.46	6.65	3721.29	--
RW-8	12/7/20	3790.01	74.24	67.52	6.72	3721.21	--
RW-8	1/25/21	3790.01	74.39	67.61	6.78	3721.11	--
RW-8	2/8/21	3790.01	74.41	67.68	6.73	3721.05	82.81
RW-8	3/22/21	3790.01	--	--	--	--	--
RW-8	4/26/21	3790.01	--	--	--	--	--
RW-8	5/10/21	3790.01	70.19	68.76	1.43	3720.98	--
RW-8	7/28/21	3790.01	--	--	--	--	--
RW-8	8/9/21	3790.01	70.23	68.98	1.25	3720.79	--
RW-8	9/29/21	3790.01	70.18	68.91	1.27	3720.86	82.81
RW-8	10/26/21	3790.01	70.19	68.91	1.28	3720.86	82.81
RW-8	11/9/21	3790.01	70.88	69.25	1.63	3720.45	82.81
RW-8	12/21/21	3790.01	72.05	68.93	3.12	3720.49	82.81
RW-8	1/24/22	3790.01	73.44	68.74	4.70	3720.38	82.81
RW-8	2/8/22	3790.01	74.87	68.67	6.20	3720.16	--
RW-8	3/7/22	3790.01	74.40	68.60	5.80	3720.31	--
RW-8	3/14/22	3790.01	71.54	69.30	2.24	3720.28	82.71
RW-8	3/21/22	3790.01	71.93	69.20	2.73	3720.29	82.71
RW-8	3/21/21	3790.01	69.88	69.60	0.28	3720.36	82.71
RW-8	3/28/22	3790.01	70.02	69.62	0.40	3720.31	82.71
RW-8	4/4/22	3790.01	70.42	69.57	0.85	3720.28	82.71
RW-8	4/12/22	3790.01	70.83	69.50	1.33	3720.26	82.71
RW-8	4/18/22	3790.01	70.86	69.50	1.36	3720.25	82.71
RW-8	5/3/22	3790.01	72.11	69.33	2.78	3720.15	82.71
RW-8	5/9/22	3790.01	72.11	69.33	2.78	3720.15	82.71
RW-8	5/23/22	3790.01	72.69	69.27	3.42	3720.09	82.71
RW-8	6/3/22	3790.01	71.15	69.57	1.58	3720.14	82.71
RW-8	6/10/22	3790.01	71.44	69.47	1.97	3720.17	82.71
RW-8	6/14/22	3790.01	70.94	69.62	1.32	3720.14	82.71
RW-8	6/27/22	3790.01	70.98	69.66	1.32	3720.10	82.71
RW-8	7/5/22	3790.01	70.55	69.78	0.77	3720.08	82.71
RW-8	7/22/22	3790.01	71.40	69.60	1.80	3720.07	82.71
RW-8	7/27/22	3790.01	70.72	69.74	0.98	3720.08	82.71
RW-8	8/16/22	3790.01	72.05	69.59	2.46	3719.95	82.71
RW-8	9/1/22	3790.01	72.41	69.51	2.90	3719.95	82.71
RW-8	9/9/22	3790.01	71.41	69.71	1.70	3719.98	82.71
RW-8	9/16/22	3790.01	71.04	69.81	1.23	3719.97	82.71
RW-8	9/23/22	3790.01	70.72	69.89	0.83	3719.96	82.71
RW-8	10/14/22	3790.01	71.43	69.79	1.64	3719.91	82.71
RW-8	10/21/22	3790.01	70.69	69.97	0.72	3719.90	82.71
RW-8	11/8/22	3790.01	71.05	70.19	0.86	3719.66	82.71
RW-8	11/18/22	3790.01	71.14	69.97	1.17	3719.82	82.71
RW-8	11/21/22	3790.01	70.58	70.08	0.50	3719.84	82.71
RW-8	12/2/22	3790.01	70.82	70.11	0.71	3719.77	82.71
RW-8	12/9/22	3790.01	70.58	70.13	0.45	3719.79	82.71
RW-8	12/15/22	3790.01	70.63	70.21	0.42	3719.72	82.71
RW-8	1/13/23	3790.01	71.33	70.04	1.29	3719.72	82.71
RW-8	2/9/23	3790.01	71.23	70.18	1.05	3719.63	82.71
RW-8	3/21/23	3790.01	71.25	70.32	0.93	3719.51	82.71
RW-8	4/13/23	3790.01	70.68	70.23	0.45	3719.69	82.71
RW-8	4/20/23	3790.01	70.86	70.47	0.39	3719.47	82.71
RW-8	5/4/23	3790.01	71.03	70.43	0.60	3719.47	82.40
RW-8	5/18/23	3790.01	71.29	70.48	0.81	3719.38	82.40
RW-8	5/30/23	3790.01	70.68	70.23	0.45	3719.70	82.40
RW-8	6/15/23	3790.01	70.69	70.20	0.49	3719.72	82.40
RW-8	6/23/23	3790.01	71.76	70.41	1.35	3719.34	82.40
RW-8	7/6/23	3790.01	70.68	70.26	0.42	3719.67	82.40
RW-8	8/3/23	3790.04	71.78	70.49	1.29	3719.31	--
RW-8	8/8/23	3790.01	71.88	70.53	1.35	3719.22	82.40
RW-8	8/31/23	3790.04	72.29	70.50	1.79	3719.20	--
RW-8	9/7/23	3790.04	72.39	70.52	1.87	3719.17	--

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-8	9/14/23	3790.04	72.57	70.49	2.08	3719.16	--
RW-8	9/22/23	3790.04	72.67	70.57	2.10	3719.07	--
RW-8	10/5/23	3790.04	72.38	70.51	1.87	3719.18	--
RW-8	10/12/23	3790.04	72.38	70.52	1.86	3719.17	--
RW-8	10/19/23	3790.04	72.41	70.55	1.86	3719.14	--
RW-8	10/23/23	3790.04	73.09	70.46	2.63	3719.08	--
RW-8	11/2/23	3790.04	72.39	70.52	1.87	3719.17	--
RW-8	11/7/23	3790.04	73.28	70.49	2.79	3719.02	--
RW-8	12/7/23	3790.04	72.39	70.53	1.86	3719.16	--
RW-9	1/8/20	3790.00	--	--	--	--	--
RW-9	2/10/20	3790.00	68.90	68.38	0.52	3721.52	82.85
RW-9	2/25/20	3790.00	--	--	--	--	--
RW-9	5/1/20	3790.00	69.20	68.52	0.68	3721.35	--
RW-9	5/11/20	3790.00	69.21	66.85	2.36	3722.70	--
RW-9	6/18/20	3790.00	69.39	68.56	0.83	3721.28	--
RW-9	7/27/20	3790.00	69.50	68.64	0.86	3721.20	--
RW-9	8/27/20	3790.00	69.58	68.68	0.90	3721.15	--
RW-9	9/15/20	3790.00	69.68	68.77	0.91	3721.06	--
RW-9	10/28/20	3790.00	69.90	68.25	1.65	3721.44	--
RW-9	12/7/20	3790.00	70.04	68.90	1.14	3720.88	--
RW-9	1/25/21	3790.00	70.18	69.00	1.18	3720.78	--
RW-9	2/8/21	3790.00	70.22	69.02	1.20	3720.75	82.65
RW-9	3/22/21	3790.00	70.33	69.12	1.21	3720.65	--
RW-9	4/26/21	3790.00	70.45	69.15	1.30	3720.60	--
RW-9	5/10/21	3790.00	70.50	69.19	1.31	3720.56	--
RW-9	7/28/21	3790.00	70.77	69.33	1.44	3720.40	--
RW-9	8/9/21	3790.00	70.80	69.73	1.07	3720.07	--
RW-9	9/29/21	3790.00	71.05	69.43	1.62	3720.26	82.65
RW-9	10/26/21	3790.00	71.04	69.45	1.59	3720.25	82.65
RW-9	11/9/21	3790.00	71.18	69.46	1.72	3720.21	82.65
RW-9	12/21/21	3790.00	71.14	69.57	1.57	3720.13	82.65
RW-9	1/24/22	3790.00	71.47	69.60	1.87	3720.04	82.65
RW-9	2/8/22	3790.00	71.51	69.62	1.89	3720.02	--
RW-9	3/10/22	3790.00	71.64	69.71	1.93	3719.92	--
RW-9	4/12/22	3790.00	70.60	69.95	0.65	3719.93	87.48
RW-9	5/3/22	3790.00	71.13	70.03	1.10	3719.76	87.48
RW-9	6/14/22	3790.00	71.25	70.03	1.22	3719.74	87.48
RW-9	6/27/22	3790.00	71.32	70.02	1.30	3719.73	87.48
RW-9	7/5/22	3790.00	70.87	70.19	0.68	3719.68	87.48
RW-9	7/27/22	3790.00	70.96	70.17	0.79	3719.68	87.48
RW-9	8/16/22	3790.00	71.13	70.24	0.89	3719.59	87.48
RW-9	11/8/22	3790.00	71.25	70.56	0.69	3719.31	87.48
RW-9	12/9/22	3790.00	71.49	70.40	1.09	3719.39	87.48
RW-9	12/15/22	3790.00	70.91	70.63	0.28	3719.32	87.48
RW-9	1/13/23	3790.00	70.77	70.63	0.14	3719.34	87.48
RW-9	2/6/23	3790.00	70.81	70.69	0.12	3719.29	87.48
RW-9	3/21/23	3790.00	71.23	69.93	1.30	3719.82	87.48
RW-9	4/13/23	3790.00	70.98	70.90	0.08	3719.08	87.48
RW-9	4/20/23	3790.00	71.02	70.85	0.17	3719.12	87.48
RW-9	5/4/23	3790.00	71.01	70.90	0.11	3719.08	87.52
RW-9	5/18/23	3790.00	71.01	70.93	0.08	3719.06	87.52
RW-9	5/30/23	3790.00	70.99	70.93	0.06	3719.06	87.52
RW-9	6/15/23	3790.00	70.96	70.91	0.05	3719.08	87.52
RW-9	6/23/23	3790.00	70.12	70.04	0.08	3719.95	87.52
RW-9	7/6/23	3790.00	70.94	70.87	0.07	3719.12	87.52
RW-9	8/8/23	3790.00	72.00	71.11	0.89	3718.72	87.52
RW-9	8/31/23	3790.00	71.25	71.20	0.05	3718.79	--
RW-9	9/7/23	3790.00	71.26	71.22	0.04	3718.77	--
RW-9	9/14/23	3790.00	71.30	71.24	0.06	3718.75	--
RW-9	9/22/23	3790.00	71.31	71.26	0.05	3718.73	--
RW-9	10/5/23	3790.00	71.28	71.20	0.08	3718.79	--
RW-9	10/12/23	3790.00	71.27	71.21	0.06	3718.78	--
RW-9	10/19/23	3790.00	71.29	71.24	0.05	3718.75	--
RW-9	10/23/23	3790.00	71.38	71.29	0.09	3718.69	--
RW-9	11/2/23	3790.00	71.27	71.22	0.05	3718.77	--
RW-9	11/7/23	3790.00	71.38	71.32	0.06	3718.67	--
RW-9	12/7/23	3790.00	71.31	71.30	0.01	3718.70	--
RW-10	2/10/20	3789.69	73.06	66.96	6.10	3721.57	82.60

Table 1a
Summary of Groundwater Gauging and Elevation Data (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-10	5/1/20	3789.69	--	--	--	--	--
RW-10	5/11/20	3789.69	69.54	67.91	1.63	3721.47	--
RW-10	6/18/20	3789.69	73.30	67.22	6.08	3721.31	--
RW-10	7/27/20	3789.69	73.53	67.25	6.28	3721.25	--
RW-10	8/27/20	3789.69	73.61	67.30	6.31	3721.19	--
RW-10	9/15/20	3789.56	73.73	67.37	6.36	3720.98	--
RW-10	10/28/20	3789.56	70.89	68.08	2.81	3720.95	--
RW-10	12/7/20	3789.56	--	--	--	--	--
RW-10	1/25/21	3789.56	--	--	--	--	--
RW-10	2/8/21	3789.56	70.33	68.43	1.90	3720.77	82.45
RW-10	3/22/21	3789.56	73.97	67.81	6.16	3720.58	--
RW-10	4/26/21	3789.56	74.16	67.83	6.33	3720.53	--
RW-10	5/10/21	3789.56	74.21	67.87	6.34	3720.49	--
RW-10	7/28/21	3789.56	--	--	--	--	--
RW-10	8/9/21	3789.56	70.34	68.28	2.06	3720.89	--
RW-10	9/29/21	3789.56	70.70	68.96	1.74	3720.27	82.45
RW-10	10/26/21	3789.56	70.70	68.96	1.74	3720.27	82.45
RW-10	11/9/21	3789.56	71.27	68.90	2.37	3720.21	82.45
RW-10	12/21/21	3789.56	70.81	69.11	1.70	3720.13	82.45
RW-10	1/24/22	3789.56	Pump	--	--	--	82.45
RW-10	2/8/22	3789.56	74.24	68.62	5.62	3719.87	--
RW-10	3/14/22	3789.56	73.88	68.84	5.04	3719.76	82.44
RW-10	4/12/22	3789.56	Pump	--	--	--	82.44
RW-10	5/3/22	3789.56	71.35	69.34	2.01	3719.84	82.44
RW-10	6/14/22	3789.56	Pump	--	--	--	82.44
RW-10	7/27/22	3789.56	Pump	--	--	--	82.44
RW-10	8/16/22	3789.56	Pump	--	--	--	82.44
RW-10	11/8/22	3789.56	76.15	68.68	7.47	3719.46	82.44
RW-10	2/9/23	3789.56	75.79	69.54	6.25	3718.83	82.44
RW-10	5/4/23	3789.56	74.62	69.76	4.86	3718.88	82.95
RW-10	8/8/23	3789.56	72.38	70.39	1.99	3718.79	--
RW-10	11/7/23	3789.56	72.89	70.57	2.32	3718.55	--
RW-11	1/14/20	3789.77	--	--	--	--	--
RW-11	2/10/20	3789.77	68.23	--	--	3721.54	85.40
RW-11	3/17/20	3789.77	--	--	--	--	--
RW-11	5/1/20	3789.77	68.38	--	--	3721.39	--
RW-11	5/11/20	3789.77	68.31	--	--	3721.46	--
RW-11	7/27/20	3789.77	68.53	--	--	3721.24	--
RW-11	8/27/20	3789.77	68.62	--	--	3721.15	--
RW-11	9/15/20	3789.77	68.67	--	--	3721.10	85.40
RW-11	10/28/20	3789.77	68.75	--	--	3721.02	--
RW-11	12/7/20	3789.77	68.85	--	--	3720.92	--
RW-11	1/25/21	3789.77	68.94	--	--	3720.83	--
RW-11	2/8/21	3789.77	68.98	--	--	3720.79	85.43
RW-11	3/22/21	3789.77	69.11	69.05	0.06	3720.71	--
RW-11	4/26/21	3789.77	69.18	69.11	0.07	3720.65	--
RW-11	5/10/21	3789.77	69.21	69.14	0.07	3720.62	--
RW-11	7/28/21	3789.77	69.40	69.30	0.10	3720.45	--
RW-11	8/9/21	3789.77	69.48	69.32	0.16	3720.42	--
RW-11	9/29/21	3789.77	69.62	69.45	0.17	3720.29	85.43
RW-11	10/26/21	3789.77	69.62	69.45	0.17	3720.29	85.43
RW-11	11/9/21	3789.77	69.68	69.47	0.21	3720.26	85.43
RW-11	12/21/21	3789.77	69.77	69.56	0.21	3720.17	85.43
RW-11	1/24/22	3789.77	69.89	69.66	0.23	3720.07	85.43
RW-11	2/8/22	3789.77	69.88	69.65	0.23	3720.08	--
RW-11	3/10/22	3789.77	69.94	69.77	0.17	3719.97	--
RW-11	3/14/22	3789.77	69.92	69.80	0.12	3719.95	85.17
RW-11	4/12/22	3789.77	70.00	69.85	0.15	3719.89	85.17
RW-11	5/3/22	3789.77	70.09	69.95	0.14	3719.79	85.17
RW-11	6/14/22	3789.77	70.06	69.96	0.10	3719.79	85.17
RW-11	7/27/22	3789.77	70.16	70.05	0.11	3719.70	85.17
RW-11	8/16/22	3789.77	70.22	70.14	0.08	3719.61	85.17
RW-11	11/8/22	3789.77	70.42	70.31	0.11	3719.44	85.17
RW-11	2/6/23	3789.77	70.53	70.47	0.06	3719.29	85.17
RW-11	3/21/23	3789.77	71.02	69.74	1.28	3719.79	85.17
RW-11	4/13/23	3789.77	70.71	70.61	0.10	3719.14	85.17
RW-11	4/20/23	3789.77	70.76	70.67	0.09	3719.08	85.17
RW-11	5/4/23	3789.77	70.80	70.66	0.14	3719.08	85.15

Table 1a

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Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
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NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-11	5/18/23	3789.77	70.76	70.70	0.06	3719.06	85.15
RW-11	5/30/23	3789.77	70.72	70.60	0.12	3719.15	85.15
RW-11	6/15/23	3789.77	70.72	70.63	0.09	3719.12	85.15
RW-11	6/23/23	3789.77	70.76	70.70	0.06	3719.06	85.15
RW-11	7/6/23	3789.77	70.76	70.63	0.13	3719.12	85.15
RW-11	8/3/23	3789.77	70.93	70.84	0.09	3718.91	--
RW-11	8/8/23	3789.77	70.96	70.87	0.09	3718.88	85.15
RW-11	8/31/23	3789.77	71.00	70.95	0.05	3718.81	--
RW-11	9/7/23	3789.77	71.03	70.98	0.05	3718.78	--
RW-11	9/14/23	3789.77	71.06	70.99	0.07	3718.77	--
RW-11	9/22/23	3789.77	71.11	71.02	0.09	3718.73	--
RW-11	10/5/23	3789.77	71.04	70.98	0.06	3718.78	--
RW-11	10/12/23	3789.77	71.15	70.88	0.27	3718.84	--
RW-11	10/19/23	3789.77	71.10	70.91	0.19	3718.82	--
RW-11	10/23/23	3789.77	71.24	71.06	0.18	3718.68	--
RW-11	11/2/23	3789.77	71.11	70.88	0.23	3718.85	--
RW-11	11/7/23	3789.77	71.33	71.07	0.26	3718.65	--
RW-11	12/7/23	3789.77	71.10	70.90	0.20	3718.83	--
RW-12	1/14/20	3789.78	--	--	--	--	--
RW-12	2/10/20	3789.78	68.23	--	--	3721.55	82.82
RW-12	3/17/20	3789.78	--	--	--	--	--
RW-12	5/1/20	3789.78	68.30	--	--	3721.48	--
RW-12	5/11/20	3789.78	68.38	--	--	3721.40	--
RW-12	6/18/20	3789.78	68.57	--	--	3721.21	--
RW-12	7/27/20	3789.78	68.45	--	--	3721.33	--
RW-12	8/27/20	3789.78	68.55	--	--	3721.23	--
RW-12	9/15/20	3789.78	68.59	--	--	3721.19	82.82
RW-12	10/28/20	3789.78	68.67	--	--	3721.11	--
RW-12	12/7/20	3789.78	68.76	--	--	3721.02	--
RW-12	1/25/21	3789.78	68.86	--	--	3720.92	--
RW-12	2/8/21	3789.78	68.90	--	--	3720.88	82.72
RW-12	3/22/21	3789.78	68.99	--	--	3720.79	--
RW-12	4/26/21	3789.78	69.05	--	--	3720.73	--
RW-12	5/10/21	3789.78	69.08	--	--	3720.70	--
RW-12	7/28/21	3789.78	69.24	--	--	3720.54	--
RW-12	8/9/21	3789.78	69.26	--	--	3720.52	83.57
RW-12	9/29/21	3789.78	69.39	--	--	3720.39	82.72
RW-12	10/26/21	3789.78	69.40	--	--	3720.38	82.72
RW-12	11/9/21	3789.78	69.44	--	--	3720.34	82.72
RW-12	12/21/21	3789.78	69.50	--	--	3720.28	82.72
RW-12	1/24/22	3789.78	69.62	--	--	3720.16	82.72
RW-12	2/8/22	3789.78	69.65	--	--	3720.13	83.28
RW-12	3/14/22	3789.78	69.71	--	--	3720.07	83.28
RW-12	4/12/22	3789.78	69.81	--	--	3719.97	83.28
RW-12	5/3/22	3789.78	69.80	--	--	3719.98	83.28
RW-12	6/14/22	3789.78	69.92	--	--	3719.86	83.28
RW-12	7/27/22	3789.78	69.99	--	--	3719.79	83.28
RW-12	8/16/22	3789.78	70.05	--	--	3719.73	83.28
RW-12	11/8/22	3789.78	70.30	--	--	3719.48	83.28
RW-12	2/6/23	3789.78	70.41	70.40	0.01	3719.38	83.28
RW-12	5/4/23	3789.78	70.65	70.59	0.06	3719.18	80.98
RW-12	6/23/23	3789.78	71.01	70.68	0.33	3719.04	--
RW-12	8/8/23	3789.78	71.38	70.70	0.68	3718.95	83.28
RW-12	11/7/23	3789.78	73.13	70.29	2.84	3718.95	--
RW-13	2/25/20	3788.61	--	--	--	--	--
RW-13	2/26/20	3788.61	66.87	--	--	3721.74	90.13
RW-13	3/23/20	3788.61	67.23	67.05	0.18	3721.53	90.19
RW-13	5/1/20	3788.61	67.98	66.95	1.03	3721.46	--
RW-13	5/11/20	3788.61	68.28	66.91	1.37	3721.44	--
RW-13	6/18/20	3788.61	69.53	66.75	2.78	3721.33	--
RW-13	7/27/20	3788.61	70.76	66.56	4.20	3721.25	--
RW-13	8/27/20	3788.61	71.55	66.46	5.09	3721.18	--
RW-13	9/15/20	3788.61	72.10	66.45	5.65	3721.09	--
RW-13	10/28/20	3788.61	70.17	67.19	2.98	3720.85	--
RW-13	12/7/20	3788.61	--	--	--	--	--
RW-13	1/25/21	3788.61	--	--	--	--	--
RW-13	2/8/21	3788.61	70.06	67.21	2.85	3720.86	90.34
RW-13	3/22/21	3788.61	71.78	66.99	4.79	3720.71	--

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-13	4/26/21	3788.61	72.78	66.84	5.94	3720.64	--
RW-13	5/10/21	3788.61	73.01	66.83	6.18	3720.61	--
RW-13	8/9/21	3788.61	70.31	67.78	2.53	3720.35	--
RW-13	9/29/21	3788.61	70.09	67.55	2.54	3720.58	90.34
RW-13	10/26/21	3788.61	71.02	67.60	3.42	3720.36	90.34
RW-13	11/9/21	3788.61	71.13	67.68	3.45	3720.27	90.34
RW-13	12/21/21	3788.61	Pump	--	--	--	90.34
RW-13	1/24/22	3788.61	Pump	--	--	--	90.34
RW-13	2/8/22	3788.61	72.46	67.61	4.85	3720.08	--
RW-13	3/14/22	3788.61	71.48	67.96	3.52	3719.98	90.18
RW-13	4/12/22	3788.61	Pump	--	--	--	90.18
RW-13	5/3/22	3788.61	70.30	68.42	1.88	3719.83	90.18
RW-13	6/14/22	3788.61	Pump	--	--	--	90.18
RW-13	7/27/22	3788.61	Pump	--	--	--	90.18
RW-13	8/16/22	3788.61	Pump	--	--	--	90.18
RW-13	11/8/22	3788.61	74.16	68.02	6.14	3719.42	90.18
RW-13	2/9/23	3788.61	74.46	68.17	6.29	3719.24	90.18
RW-13	5/4/23	3788.61	73.45	68.60	4.85	3719.09	90.18
RW-13	8/8/23	3788.61	71.95	69.17	2.78	3718.91	90.18
RW-13	11/7/23	3788.61	73.63	69.09	4.54	3718.66	--
RW-14	2/25/20	3788.59	--	--	--	--	--
RW-14	2/26/20	3788.59	66.68	66.60	0.08	3721.97	90.10
RW-14	3/23/20	3788.59	68.59	66.45	2.14	3721.73	90.32
RW-14	5/1/20	3788.59	72.00	65.75	6.25	3721.65	--
RW-14	5/11/20	3788.59	72.47	65.65	6.82	3721.64	--
RW-14	6/18/20	3788.59	--	--	--	--	--
RW-14	7/27/20	3788.59	--	--	--	--	--
RW-14	8/27/20	3788.59	--	--	--	--	--
RW-14	9/15/20	3788.59	73.19	66.09	7.10	3721.15	--
RW-14	10/28/20	3788.59	71.01	66.44	4.57	3721.28	--
RW-14	12/7/20	3788.59	--	--	--	--	--
RW-14	1/25/21	3788.59	--	--	--	--	--
RW-14	2/8/21	3788.59	70.76	66.73	4.03	3721.09	90.35
RW-14	3/22/21	3788.59	--	--	--	--	--
RW-14	4/26/21	3788.59	--	--	--	--	--
RW-14	5/10/21	3788.59	71.13	66.91	4.22	3720.88	--
RW-14	7/28/21	3788.59	73.63	66.57	7.06	3720.68	--
RW-14	8/9/21	3788.59	73.88	63.77	10.11	3722.90	--
RW-14	9/29/21	3788.59	74.00	64.88	9.12	3721.98	--
RW-14	10/26/21	3788.59	74.00	66.71	7.29	3720.49	90.35
RW-14	11/9/21	3788.59	74.04	66.96	7.08	3720.28	90.35
RW-14	12/21/21	3788.59	Pump	--	--	--	90.35
RW-14	1/24/22	3788.59	Pump	--	--	--	90.35
RW-14	2/8/22	3788.59	73.53	67.33	6.20	3720.08	--
RW-14	3/14/22	3788.59	72.79	67.34	5.45	3720.21	90.15
RW-14	4/12/22	3788.59	Pump	--	--	--	90.15
RW-14	5/3/22	3788.59	71.10	67.95	3.15	3720.04	90.15
RW-14	6/14/22	3788.59	Pump	--	--	--	90.15
RW-14	7/27/22	3788.59	Pump	--	--	--	90.15
RW-14	8/16/22	3788.59	Pump	--	--	--	90.15
RW-14	11/8/22	3788.59	73.50	67.84	5.66	3719.67	90.15
RW-14	2/9/23	3788.59	74.63	67.82	6.81	3719.48	90.15
RW-14	3/21/23	3788.59	71.34	69.76	1.58	3718.53	90.15
RW-14	4/13/23	3788.59	Pump	--	--	--	90.15
RW-14	5/4/23	3788.59	Pump	--	--	--	--
RW-14	5/18/23	3788.59	75.08	68.17	6.91	3719.11	90.15
RW-14	5/30/23	3788.59	--	--	--	--	90.15
RW-14	6/15/23	3788.59	--	--	--	--	90.15
RW-14	6/23/23	3788.59	--	--	0.00	--	90.15

Table 1a

Summary of Groundwater Gauging and Elevation Data (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-14	7/6/23	3788.59	--	--	0.00	--	90.15
RW-14	8/8/23	3788.59	75.35	68.33	7.02	3718.93	90.15
RW-14	11/7/23	3788.59	75.62	68.49	7.13	3718.75	--

Notes:

1. NAVD88 - North American Vertical Datum of 1988.
2. BTOC - Below Top-of-Casing.
3. LNAPL - Light Non-Aqueous Phase Liquids.
4. -- = No gauging data collected on corresponding date.
5. Pump - Pump installed in corresponding recovery well.
6. Dry - No fluid column measured in corresponding monitoring well.
7. P&A - Plugged and Abandoned.
8. NA - Not Available.
9. Elevations of the potentiometric surface were calculated using a LNAPL specific gravity of 0.81 gram/cubic centimeter (g/cc).

Table 1b
Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-1	6/16/11	3788.04	62.42	--	--	3725.62	68.01
MW-1	9/6/11	3788.04	62.58	--	--	3725.46	69.31
MW-1	11/28/11	3788.04	62.70	--	--	3725.34	68.09
MW-1	3/5/12	3788.04	62.83	--	--	3725.21	68.05
MW-1	6/4/12	3788.04	62.99	--	--	3725.05	68.00
MW-1	9/10/12	3788.04	63.15	--	--	3724.89	68.00
MW-1	12/3/12	3788.04	63.34	--	--	3724.70	68.08
MW-1	3/4/13	3788.04	63.47	--	--	3724.57	68.05
MW-1	5/28/13	3788.04	63.60	--	--	3724.44	--
MW-1	8/28/13	3788.04	63.76	--	--	3724.28	68.05
MW-1	11/12/13	3788.04	63.90	--	--	3724.14	68.08
MW-1	2/25/14	3788.04	64.08	--	--	3723.96	68.06
MW-1	5/27/14	3788.04	64.21	--	--	3723.83	68.06
MW-1	9/3/14	3788.04	64.40	--	--	3723.64	68.06
MW-1	11/18/14	3788.04	64.60	--	--	3723.44	68.06
MW-1	3/3/15	3788.04	64.78	--	--	3723.26	68.09
MW-1	6/3/15	3788.04	64.87	--	--	3723.17	68.09
MW-1	8/11/15	3788.04	65.03	--	--	3723.01	68.09
MW-1	12/1/15	3788.04	65.25	--	--	3722.79	68.09
MW-1	2/8/16	3788.04	65.39	--	--	3722.65	68.13
MW-1	5/24/16	3788.04	65.60	--	--	3722.44	68.13
MW-1	8/30/16	3788.04	65.94	--	--	3722.10	68.13
MW-1	10/31/16	3788.04	65.90	--	--	3722.14	68.13
MW-1	11/3/16	3788.04	--	--	--	--	--
MW-1	2/27/17	3788.04	66.15	--	--	3721.89	68.05
MW-1	5/30/17	3788.04	66.27	--	--	3721.77	68.50
MW-1	8/29/17	3790.48	66.46	--	--	3724.02	68.02
MW-1	11/27/17	3790.48	66.60	--	--	3723.88	68.04
MW-1	12/1/17	3790.48	--	--	--	--	--
MW-1	2/27/18	3790.48	66.78	--	--	3723.70	68.07
MW-1	5/29/18	3790.48	67.00	--	--	3723.48	68.11
MW-1	8/29/18	3790.48	67.10	--	--	3723.38	68.07
MW-1	11/26/18	3790.48	67.31	--	--	3723.17	68.10
MW-1	2/25/19	3790.48	67.48	--	--	3723.00	68.10
MW-1	5/20/19	3790.48	67.67	--	--	3722.81	68.10
MW-1	7/23/19	3790.48	Dry	--	--	--	68.01
MW-1	10/22/19	3790.48	Dry	--	--	--	--
MW-2	6/16/11	3788.41	67.28	63.91	3.37	3723.86	68.20
MW-2	9/6/11	3788.41	66.81	63.19	3.62	3724.53	68.98
MW-2	11/28/11	3788.41	65.91	63.49	2.42	3724.46	68.21
MW-2	3/5/12	3788.41	67.61	62.98	4.63	3724.55	68.20
MW-2	6/4/12	3788.41	68.01	63.95	4.06	3723.69	--
MW-2	9/10/12	3788.41	LNAPL	64.31	3.71	--	68.02
MW-2	12/3/12	3788.41	LNAPL	64.31	3.90	--	68.21
MW-2	3/4/13	3788.41	67.78	63.52	4.26	3724.08	--
MW-2	5/28/13	3788.41	LNAPL	65.20	2.95	--	68.15
MW-2	8/28/13	3788.41	68.05	64.74	3.31	3723.04	--
MW-2	11/12/13	3788.41	67.96	64.35	3.61	3723.37	--
MW-2	2/25/14	3788.41	67.98	64.14	3.84	3723.54	--
MW-2	5/27/14	3788.41	67.99	64.29	3.70	3723.42	68.15
MW-2	9/3/14	3788.41	67.98	64.49	3.49	3723.26	68.15
MW-2	11/18/14	3788.37	LNAPL	64.63	3.52	--	68.15
MW-2	3/3/15	3788.37	67.56	64.91	2.65	3722.96	--
MW-2	6/3/15	3788.37	67.50	65.04	2.46	3722.86	--
MW-2	8/11/15	3788.37	67.54	65.48	2.06	3722.50	--
MW-2	12/1/15	3788.37	68.07	66.15	1.92	3721.86	--
MW-2	2/8/16	3788.37	68.05	66.05	2.00	3721.94	--
MW-2	4/6/16	3788.37	--	--	--	--	--
MW-2	4/20/16	3788.37	--	--	--	--	--
MW-2	5/11/16	3788.37	--	--	--	--	--
MW-2	5/24/16	3788.37	67.51	65.88	1.63	3722.18	--
MW-2	6/1/16	3788.37	--	--	--	--	--
MW-2	6/15/16	3788.37	--	--	--	--	--
MW-2	6/29/16	3788.37	--	--	--	--	--
MW-2	7/6/16	3788.37	--	--	--	--	--
MW-2	7/13/16	3788.37	--	--	--	--	--
MW-2	8/3/16	3788.37	--	--	--	--	--

Table 1b
Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-2	8/30/16	3788.37	67.59	66.16	1.43	3721.94	--
MW-2	9/8/16	3788.37	--	--	--	--	--
MW-2	9/21/16	3788.37	--	--	--	--	--
MW-2	10/5/16	3788.37	--	--	--	--	--
MW-2	10/12/16	3788.37	--	--	--	--	--
MW-2	10/31/16	3788.37	68.08	66.25	1.83	3721.77	--
MW-2	11/9/16	3788.37	--	--	--	--	--
MW-2	11/16/16	3788.37	--	--	--	--	--
MW-2	11/30/16	3788.37	--	--	--	--	--
MW-2	1/4/17	3788.37	--	--	--	--	--
MW-2	1/17/17	3788.37	--	--	--	--	--
MW-2	2/15/17	3788.37	--	--	--	--	--
MW-2	2/27/17	3788.37	LNAPL	66.88	1.28	--	68.16
MW-2	4/25/17	3788.37	--	--	--	--	--
MW-2	5/10/17	3788.37	--	--	--	--	--
MW-2	5/30/17	3788.37	LNAPL	67.11	1.05	--	68.16
MW-2	6/7/17	3788.37	--	--	--	--	--
MW-2	7/5/17	3790.80	--	--	--	--	--
MW-2	7/13/17	3790.80	--	--	--	--	--
MW-2	7/19/17	3790.80	--	--	--	--	--
MW-2	7/25/17	3790.80	--	--	--	--	--
MW-2	8/29/17	3790.80	LNAPL	67.10	1.05	--	68.15
MW-2	9/6/17	3790.80	--	--	--	--	--
MW-2	11/7/17	3790.80	--	--	--	--	--
MW-2	11/27/17	3790.80	LNAPL	67.19	1.04	--	68.23
MW-2	12/5/17	3790.80	--	--	--	--	--
MW-2	2/27/18	3790.80	LNAPL	67.38	0.83	--	68.21
MW-2	5/29/18	3790.80	68.22	67.51	0.71	3723.16	--
MW-2	8/29/18	3790.80	Dry	--	--	--	68.47
MW-2	11/26/18	3790.80	Dry	--	--	--	68.25
MW-2	2/25/19	3790.80	Dry	--	--	--	--
MW-2	5/20/19	3790.80	Dry	--	--	--	--
MW-2	7/23/19	3790.80	Dry	--	--	--	--
MW-2	10/22/19	3790.80	Dry	--	--	--	--
MW-3	6/16/11	3787.94	63.28	--	--	3724.66	67.70
MW-3	9/6/11	3787.94	63.49	--	--	3724.45	68.07
MW-3	11/28/11	3787.94	63.56	--	--	3724.38	67.71
MW-3	3/5/12	3787.94	63.71	--	--	3724.23	67.73
MW-3	6/4/12	3787.94	63.83	--	--	3724.11	67.70
MW-3	9/10/12	3787.94	63.97	--	--	3723.97	67.70
MW-3	12/3/12	3787.94	64.21	--	--	3723.73	67.81
MW-3	3/4/13	3787.94	64.29	--	--	3723.65	67.67
MW-3	5/28/13	3787.94	64.48	--	--	3723.46	67.66
MW-3	8/28/13	3787.94	64.57	--	--	3723.37	67.66
MW-3	11/12/13	3787.94	64.72	--	--	3723.22	67.69
MW-3	2/25/14	3787.94	64.89	--	--	3723.05	67.68
MW-3	5/27/14	3787.94	65.02	--	--	3722.92	67.68
MW-3	9/3/14	3787.94	65.21	--	--	3722.73	67.68
MW-3	11/18/14	3787.94	65.40	--	--	3722.54	67.68
MW-3	3/3/15	3787.94	65.55	--	--	3722.39	67.97
MW-3	6/3/15	3787.94	65.65	--	--	3722.29	67.97
MW-3	8/11/15	3787.94	65.83	--	--	3722.11	67.97
MW-3	12/1/15	3787.94	66.05	--	--	3721.89	67.97
MW-3	2/8/16	3787.94	66.20	--	--	3721.74	68.25
MW-3	4/6/16	3787.94	--	--	--	--	--
MW-3	4/14/16	3787.94	--	--	--	--	--
MW-3	5/4/16	3787.94	--	--	--	--	--
MW-3	5/24/16	3787.94	66.62	--	--	3721.32	68.25
MW-3	5/27/16	3787.94	--	--	--	--	--
MW-3	6/7/16	3787.94	--	--	--	--	--
MW-3	6/21/16	3787.94	--	--	--	--	--
MW-3	6/29/16	3787.94	--	--	--	--	--
MW-3	7/6/16	3787.94	--	--	--	--	--
MW-3	8/9/16	3787.94	--	--	--	--	--
MW-3	8/24/16	3787.94	--	--	--	--	--
MW-3	8/30/16	3787.94	66.89	--	--	3721.05	68.25
MW-3	9/28/16	3787.94	--	--	--	--	--

Table 1b
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Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-3	10/5/16	3787.94	--	--	--	--	--
MW-3	10/12/16	3787.94	--	--	--	--	--
MW-3	10/31/16	3787.94	66.85	--	--	3721.09	68.25
MW-3	11/3/16	3787.94	--	--	--	--	--
MW-3	11/16/16	3787.94	--	--	--	--	--
MW-3	12/7/16	3787.94	--	--	--	--	--
MW-3	1/11/17	3787.94	--	--	--	--	--
MW-3	1/24/17	3787.94	--	--	--	--	--
MW-3	2/7/17	3787.94	--	--	--	--	--
MW-3	2/27/17	3787.94	66.92	--	--	3721.02	68.08
MW-3	4/3/17	3787.94	--	--	--	--	--
MW-3	5/2/17	3787.94	--	--	--	--	--
MW-3	5/17/17	3787.94	--	--	--	--	--
MW-3	5/30/17	3787.94	67.10	--	--	3720.84	68.08
MW-3	5/31/17	3787.94	--	--	--	--	--
MW-3	6/13/17	3787.94	--	--	--	--	--
MW-3	7/5/17	3790.29	--	--	--	--	--
MW-3	7/13/17	3790.29	--	--	--	--	--
MW-3	8/29/17	3790.29	67.56	--	--	3722.73	68.05
MW-3	10/24/17	3790.29	--	--	--	--	--
MW-3	11/27/17	3790.29	67.35	--	--	3722.94	68.58
MW-3	12/1/17	3790.29	--	--	--	--	--
MW-3	2/27/18	3790.29	67.57	--	--	3722.72	68.14
MW-3	5/29/18	3790.29	67.75	--	--	3722.54	68.10
MW-3	8/29/18	3790.29	Dry	--	--	--	68.11
MW-3	11/26/18	3790.29	Dry	--	--	--	68.10
MW-3	2/25/19	3790.29	67.93	--	--	3722.36	--
MW-3	5/18/19	3790.29	--	--	--	--	--
MW-3	5/20/19	3790.29	Dry	--	--	--	--
MW-3	7/23/19	3790.29	Dry	--	--	--	68.10
MW-3	10/22/19	3790.29	Dry	--	--	--	--
MW-4	6/16/11	3787.76	63.18	--	--	3724.58	63.31
MW-4	9/6/11	3787.76	63.25	--	--	3724.51	63.55
MW-4	11/28/11	3787.76	63.30	--	--	3724.46	63.40
MW-4	3/5/12	3787.76	63.28	--	--	3724.48	63.35
MW-4	6/4/12	3787.76	63.25	--	--	3724.51	63.30
MW-4	9/10/12	3787.76	Dry	--	--	--	63.10
MW-4	12/3/12	3787.76	Dry	--	--	--	63.35
MW-4	3/4/13	3787.76	Dry	--	--	--	63.35
MW-4	5/28/13	3787.76	Dry	--	--	--	63.34
MW-4	8/28/13	3787.76	Dry	--	--	--	63.38
MW-4	11/12/13	3787.76	Dry	--	--	--	63.36
MW-4	2/25/14	3787.76	Dry	--	--	--	63.34
MW-4	5/27/14	3787.76	Dry	--	--	--	63.34
MW-4	9/3/14	3787.76	Dry	--	--	--	63.34
MW-4	10/7/14	P&A	--	--	--	--	--
MW-4R	11/18/14	3786.73	64.32	--	--	3722.41	89.30
MW-4R	3/3/15	3786.73	64.49	--	--	3722.24	88.96
MW-4R	6/3/15	3786.73	64.62	--	--	3722.11	88.96
MW-4R	8/11/15	3786.73	64.79	--	--	3721.94	88.96
MW-4R	12/1/15	3786.73	64.99	--	--	3721.74	88.96
MW-4R	2/8/16	3786.73	65.14	--	--	3721.59	88.70
MW-4R	5/24/16	3786.73	65.33	--	--	3721.40	88.70
MW-4R	8/30/16	3786.73	65.57	--	--	3721.16	88.70
MW-4R	8/31/16	3786.73	--	--	--	--	--
MW-4R	10/31/16	3786.73	65.62	--	--	3721.11	88.70
MW-4R	11/3/16	3786.73	--	--	--	--	--
MW-4R	2/27/17	3786.73	65.83	--	--	3720.90	87.10
MW-4R	3/1/17	3786.73	--	--	--	--	--
MW-4R	5/30/17	3786.73	66.01	--	--	3720.72	86.88
MW-4R	5/31/17	3786.73	--	--	--	--	--
MW-4R	8/29/17	3789.17	66.19	--	--	3722.98	86.42
MW-4R	11/27/17	3789.17	66.32	--	--	3722.85	86.21
MW-4R	12/1/17	3789.17	--	--	--	--	--
MW-4R	2/27/18	3789.17	66.52	--	--	3722.65	86.48
MW-4R	5/29/18	3789.17	66.67	--	--	3722.50	86.11
MW-4R	8/29/18	3789.17	66.81	--	--	3722.36	86.24

Table 1b
Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-4R	11/26/18	3789.17	67.03	--	--	3722.14	86.24
MW-4R	2/25/19	3789.17	67.19	--	--	3721.98	--
MW-4R	2/27/19	3789.17	--	--	--	--	--
MW-4R	5/20/19	3789.17	67.37	--	--	3721.80	--
MW-4R	5/21/19	3789.17	--	--	--	--	--
MW-4R	7/23/19	3789.17	67.60	--	--	3721.57	--
MW-4R	10/22/19	3789.17	67.64	--	--	3721.53	--
MW-5	6/16/11	P&A	--	--	--	--	--
MW-6	6/16/11	3788.31	62.88	--	--	3725.43	68.77
MW-6	9/6/11	3788.31	63.03	--	--	3725.28	69.85
MW-6	11/28/11	3788.31	63.15	--	--	3725.16	68.84
MW-6	3/5/12	3788.31	63.30	--	--	3725.01	68.62
MW-6	6/4/12	3788.31	63.42	--	--	3724.89	--
MW-6	9/10/12	3788.31	63.60	--	--	3724.71	68.70
MW-6	12/3/12	3788.31	63.55	--	--	3724.76	68.60
MW-6	3/4/13	3788.31	63.91	63.90	--	3724.40	68.62
MW-6	5/28/13	3788.31	64.10	--	--	3724.21	--
MW-6	8/28/13	3788.31	64.20	--	--	3724.11	68.57
MW-6	11/12/13	3788.31	64.36	--	--	3723.95	68.06
MW-6	2/25/14	3788.31	64.52	--	--	3723.79	68.54
MW-6	5/27/14	3788.31	64.65	--	--	3723.66	68.54
MW-6	9/3/14	3788.31	64.83	--	--	3723.48	68.54
MW-6	11/18/14	3788.31	65.01	--	--	3723.30	68.54
MW-6	3/3/15	3788.31	65.21	--	--	3723.10	68.49
MW-6	6/3/15	3788.31	65.32	--	--	3722.99	68.49
MW-6	8/11/15	3788.31	65.48	--	--	3722.83	68.49
MW-6	12/1/15	3788.31	65.71	--	--	3722.60	68.49
MW-6	2/8/16	3788.31	65.89	--	--	3722.42	68.36
MW-6	5/24/16	3788.31	66.04	--	--	3722.27	68.36
MW-6	8/30/16	3788.31	66.84	--	--	3721.47	68.36
MW-6	10/31/16	3788.31	66.34	--	--	3721.97	68.36
MW-6	11/3/16	3788.31	--	--	--	--	--
MW-6	2/27/17	3788.31	66.57	--	--	3721.74	68.14
MW-6	5/30/17	3788.31	66.70	--	--	3721.61	68.12
MW-6	8/29/17	3790.75	66.91	--	--	3723.84	68.11
MW-6	11/27/17	3790.75	67.04	--	--	3723.71	68.08
MW-6	12/1/17	3790.75	--	--	--	--	--
MW-6	2/27/18	3790.75	67.24	--	--	3723.51	68.22
MW-6	5/29/18	3790.75	67.41	--	--	3723.34	68.18
MW-6	8/29/18	3790.75	67.54	--	--	3723.21	68.22
MW-6	11/26/18	3790.75	67.77	--	--	3722.98	68.15
MW-6	2/25/19	3790.75	67.99	--	--	3722.76	--
MW-6	5/20/19	3790.75	Dry	--	--	--	--
MW-6	7/3/19	3790.75	--	--	--	--	--
MW-6	7/23/19	3790.75	Dry	--	--	--	68.01
MW-6	10/22/19	3790.75	Dry	--	--	--	--
MW-7	6/16/11	3788.65	63.46	--	--	3725.19	69.06
MW-7	9/6/11	3788.65	63.60	--	--	3725.05	69.45
MW-7	11/28/11	3788.65	63.75	--	--	3724.90	69.12
MW-7	3/5/12	3788.65	63.88	--	--	3724.77	69.09
MW-7	6/4/12	3788.65	64.05	--	--	3724.60	69.10
MW-7	9/10/12	3788.65	64.18	--	--	3724.47	69.00
MW-7	12/3/12	3788.65	64.33	--	--	3724.32	69.11
MW-7	3/4/13	3788.65	64.49	--	--	3724.16	69.08
MW-7	5/28/13	3788.65	64.62	--	--	3724.03	--
MW-7	8/28/13	3788.65	64.79	--	--	3723.86	69.11
MW-7	11/12/13	3788.65	64.94	--	--	3723.71	69.13
MW-7	2/25/14	3788.65	65.10	--	--	3723.55	69.08
MW-7	5/27/14	3788.65	65.24	--	--	3723.41	69.08
MW-7	9/3/14	3788.65	65.44	--	--	3723.21	69.08
MW-7	11/18/14	3788.65	65.60	--	--	3723.05	69.08
MW-7	3/3/15	3788.65	65.78	--	--	3722.87	69.14
MW-7	6/3/15	3788.65	65.90	--	--	3722.75	69.14
MW-7	8/11/15	3788.65	66.07	--	--	3722.58	69.14
MW-7	12/1/15	3788.65	66.29	--	--	3722.36	69.14
MW-7	2/8/16	3788.65	66.43	--	--	3722.22	69.09
MW-7	5/24/16	3788.65	66.60	--	--	3722.05	69.09

Table 1b
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Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-7	8/30/16	3788.65	67.03	--	--	3721.62	69.09
MW-7	10/31/16	3788.65	66.92	--	--	3721.73	69.09
MW-7	11/3/16	3788.65	--	--	--	--	--
MW-7	2/27/17	3788.65	67.11	--	--	3721.54	69.02
MW-7	5/30/17	3788.65	67.28	--	--	3721.37	69.02
MW-7	8/29/17	3791.09	67.47	--	--	3723.62	69.03
MW-7	11/27/17	3791.09	67.62	--	--	3723.47	69.02
MW-7	12/1/17	3791.09	--	--	--	--	--
MW-7	2/27/18	3791.09	67.86	--	--	3723.23	69.19
MW-7	5/29/18	3791.09	67.88	--	--	3723.21	69.19
MW-7	8/29/18	3791.09	68.13	--	--	3722.96	69.19
MW-7	11/26/18	3791.09	68.35	--	--	3722.74	69.19
MW-7	2/25/19	3791.09	68.49	--	--	3722.60	--
MW-7	5/20/19	3791.09	68.70	--	--	3722.39	--
MW-7	7/23/19	3791.09	68.85	--	--	3722.24	--
MW-7	10/22/19	3791.09	68.99	--	--	3722.10	--
MW-8	6/16/11	3787.60	62.71	--	--	3724.89	69.29
MW-8	9/6/11	3787.60	62.89	--	--	3724.71	70.01
MW-8	11/28/11	3787.60	63.00	--	--	3724.60	69.37
MW-8	3/5/12	3787.60	63.13	--	--	3724.47	69.28
MW-8	6/4/12	3787.60	63.26	--	--	3724.34	69.70
MW-8	9/10/12	3787.60	63.40	--	--	3724.20	69.40
MW-8	12/3/12	3787.60	63.61	--	--	3723.99	69.35
MW-8	3/4/13	3787.60	63.73	63.72	--	3723.87	69.32
MW-8	5/28/13	3787.60	63.88	--	--	3723.72	--
MW-8	8/28/13	3787.60	64.02	--	--	3723.58	69.32
MW-8	11/12/13	3787.60	64.16	--	--	3723.44	69.34
MW-8	2/25/14	3787.60	64.32	--	--	3723.28	69.34
MW-8	5/27/14	3787.60	64.48	--	--	3723.12	69.34
MW-8	9/3/14	3787.60	64.66	--	--	3722.94	69.34
MW-8	11/18/14	3787.60	64.81	--	--	3722.79	69.34
MW-8	3/3/15	3787.60	65.02	--	--	3722.58	69.39
MW-8	6/3/15	3787.60	65.13	--	--	3722.47	69.39
MW-8	8/11/15	3787.60	65.29	--	--	3722.31	69.36
MW-8	12/1/15	3787.60	65.52	--	--	3722.08	69.39
MW-8	2/8/16	3787.60	65.65	--	--	3721.95	69.40
MW-8	5/24/16	3787.60	65.90	--	--	3721.70	69.40
MW-8	8/30/16	3787.60	66.31	--	--	3721.29	69.40
MW-8	10/31/16	3787.60	66.14	--	--	3721.46	69.40
MW-8	11/3/16	3787.60	--	--	--	--	--
MW-8	2/27/17	3787.60	66.34	--	--	3721.26	69.21
MW-8	5/30/17	3787.60	66.52	--	--	3721.08	69.20
MW-8	8/29/17	3790.04	66.70	--	--	3723.34	69.22
MW-8	11/27/17	3790.04	66.84	--	--	3723.20	69.22
MW-8	12/1/17	3790.04	--	--	--	--	--
MW-8	2/27/18	3790.04	67.03	--	--	3723.01	69.34
MW-8	5/29/18	3790.04	67.20	--	--	3722.84	69.25
MW-8	8/29/18	3790.04	67.33	--	--	3722.71	69.34
MW-8	11/26/18	3790.04	67.56	--	--	3722.48	69.34
MW-8	2/25/19	3790.04	67.70	--	--	3722.34	--
MW-8	5/20/19	3790.04	67.90	--	--	3722.14	--
MW-8	7/23/19	3790.04	68.00	--	--	3722.04	--
MW-8	10/22/19	3790.04	68.16	--	--	3721.88	--
MW-9	6/16/11	3787.27	62.11	--	--	3725.16	68.97
MW-9	9/6/11	3787.27	62.33	--	--	3724.94	69.61
MW-9	11/28/11	3787.27	62.40	--	--	3724.87	69.23
MW-9	3/5/12	3787.27	62.57	--	--	3724.70	69.07
MW-9	6/4/12	3787.27	62.70	--	--	3724.57	69.00
MW-9	9/10/12	3787.27	62.85	--	--	3724.42	68.98
MW-9	12/3/12	3787.27	63.01	--	--	3724.26	69.01
MW-9	3/4/13	3787.27	63.15	--	--	3724.12	68.96
MW-9	5/28/13	3787.27	63.31	--	--	3723.96	--
MW-9	8/28/13	3787.27	63.44	--	--	3723.83	69.00
MW-9	11/12/13	3787.27	63.59	--	--	3723.68	69.00
MW-9	2/25/14	3787.27	63.74	--	--	3723.53	69.00
MW-9	5/27/14	3787.27	63.89	--	--	3723.38	69.00
MW-9	9/3/14	3787.27	64.08	--	--	3723.19	69.00

Table 1b
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Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-9	11/18/14	3787.27	64.26	--	--	3723.01	69.00
MW-9	3/3/15	3787.27	64.43	--	--	3722.84	69.00
MW-9	6/3/15	3787.27	64.54	--	--	3722.73	69.00
MW-9	8/11/15	3787.27	64.71	--	--	3722.56	69.00
MW-9	12/1/15	3787.27	64.92	--	--	3722.35	69.00
MW-9	2/8/16	3787.27	65.10	--	--	3722.17	69.13
MW-9	5/24/16	3787.27	65.24	--	--	3722.03	69.13
MW-9	8/30/16	3787.27	65.73	--	--	3721.54	69.13
MW-9	10/31/16	3787.27	65.56	--	--	3721.71	69.13
MW-9	11/3/16	3787.27	--	--	--	--	--
MW-9	2/27/17	3787.27	65.76	--	--	3721.51	68.80
MW-9	5/30/17	3787.27	65.94	--	--	3721.33	68.84
MW-9	8/29/17	3789.79	66.12	--	--	3723.67	68.79
MW-9	11/27/17	3789.79	66.27	--	--	3723.52	68.80
MW-9	12/1/17	3789.79	--	--	--	--	--
MW-9	2/27/18	3789.79	66.44	--	--	3723.35	68.91
MW-9	5/29/18	3789.79	66.61	--	--	3723.18	68.88
MW-9	8/29/18	3789.79	66.75	--	--	3723.04	68.91
MW-9	11/26/18	3789.79	66.97	--	--	3722.82	68.91
MW-9	2/25/19	3789.79	67.16	--	--	3722.63	--
MW-9	5/20/19	3789.79	67.32	--	--	3722.47	--
MW-9	7/23/19	3789.79	67.45	--	--	3722.34	--
MW-9	10/22/19	3789.79	67.61	--	--	3722.18	--
MW-10	6/16/11	3787.50	62.74	--	--	3724.76	68.11
MW-10	9/6/11	3787.50	62.93	--	--	3724.57	68.57
MW-10	11/28/11	3787.50	63.02	--	--	3724.48	68.12
MW-10	3/5/12	3787.50	63.16	--	--	3724.34	68.03
MW-10	6/4/12	3787.50	63.30	--	--	3724.20	67.90
MW-10	9/10/12	3787.50	63.45	--	--	3724.05	68.00
MW-10	12/3/12	3787.50	63.60	--	--	3723.90	67.95
MW-10	3/4/13	3787.50	63.75	--	--	3723.75	67.89
MW-10	5/28/13	3787.50	63.88	--	--	3723.62	--
MW-10	8/28/13	3787.50	64.04	--	--	3723.46	68.07
MW-10	11/12/13	3787.50	64.22	--	--	3723.28	67.92
MW-10	2/25/14	3787.50	64.35	--	--	3723.15	67.96
MW-10	5/27/14	3787.50	64.50	--	--	3723.00	67.96
MW-10	9/3/14	3787.50	64.69	--	--	3722.81	67.96
MW-10	11/18/14	3787.50	64.85	--	--	3722.65	67.96
MW-10	3/3/15	3787.50	65.03	--	--	3722.47	67.92
MW-10	6/3/15	3787.50	65.13	--	--	3722.37	67.92
MW-10	8/11/15	3787.50	65.31	--	--	3722.19	67.92
MW-10	12/1/15	3787.50	65.53	--	--	3721.97	67.92
MW-10	2/8/16	3787.50	65.66	--	--	3721.84	68.31
MW-10	5/24/16	3787.50	65.85	--	--	3721.65	68.31
MW-10	8/30/16	3787.50	66.79	--	--	3720.71	68.31
MW-10	10/31/16	3787.50	66.15	--	--	3721.35	68.31
MW-10	11/3/16	3787.50	--	--	--	--	--
MW-10	2/27/17	3787.50	66.34	--	--	3721.16	67.77
MW-10	5/30/17	3787.50	66.56	--	--	3720.94	67.75
MW-10	8/29/17	3789.88	66.68	--	--	3723.20	67.59
MW-10	11/27/17	3789.88	66.84	--	--	3723.04	67.63
MW-10	12/1/17	3789.88	--	--	--	--	--
MW-10	2/27/18	3789.88	67.02	--	--	3722.86	67.71
MW-10	5/29/18	3789.88	67.20	--	--	3722.68	67.70
MW-10	8/29/18	3789.88	67.33	--	--	3722.55	67.71
MW-10	11/26/18	3789.88	Dry	--	--	--	67.70
MW-10	2/25/19	3789.88	Dry	--	--	--	--
MW-10	5/20/19	3789.88	Dry	--	--	--	--
MW-10	7/23/19	3789.88	Dry	--	--	--	--
MW-10	10/22/19	3789.88	Dry	--	--	--	--
MW-11	6/16/11	3790.65	63.88	--	--	3726.77	69.17
MW-11	9/6/11	3790.65	64.08	--	--	3726.57	69.65
MW-11	11/28/11	3790.65	64.13	--	--	3726.52	69.19
MW-11	3/5/12	3790.65	64.28	--	--	3726.37	69.19
MW-11	6/4/12	3790.65	64.41	--	--	3726.24	69.70
MW-11	9/10/12	3790.65	64.55	--	--	3726.10	69.20
MW-11	12/3/12	3790.65	64.72	--	--	3725.93	69.21

Table 1b

Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-11	3/4/13	3790.65	64.85	--	--	3725.80	69.26
MW-11	5/28/13	3790.65	65.01	--	--	3725.64	69.18
MW-11	8/28/13	3790.65	65.16	--	--	3725.49	69.18
MW-11	11/12/13	3790.65	65.30	--	--	3725.35	69.14
MW-11	2/25/14	3790.65	65.45	--	--	3725.20	69.20
MW-11	5/27/14	3790.65	65.60	--	--	3725.05	69.20
MW-11	9/3/14	3790.65	65.77	--	--	3724.88	69.20
MW-11	11/18/14	3790.65	65.92	--	--	3724.73	69.20
MW-11	3/3/15	3790.65	66.12	--	--	3724.53	69.21
MW-11	6/3/15	3790.65	66.25	--	--	3724.40	69.21
MW-11	8/11/15	3790.65	66.41	--	--	3724.24	69.21
MW-11	12/1/15	3790.65	66.80	--	--	3723.85	69.21
MW-11	2/8/16	3790.65	67.04	--	--	3723.61	69.25
MW-11	4/6/16	3790.65	--	--	--	--	--
MW-11	4/14/16	3790.65	--	--	--	--	--
MW-11	5/4/16	3790.65	--	--	--	--	--
MW-11	5/18/16	3790.65	--	--	--	--	--
MW-11	5/24/16	3790.65	67.10	--	--	3723.55	69.25
MW-11	5/27/16	3790.65	--	--	--	--	--
MW-11	6/7/16	3790.65	--	--	--	--	--
MW-11	6/21/16	3790.65	--	--	--	--	--
MW-11	6/29/16	3790.65	--	--	--	--	--
MW-11	7/6/16	3790.65	--	--	--	--	--
MW-11	8/9/16	3790.65	--	--	--	--	--
MW-11	8/24/16	3790.65	--	--	--	--	--
MW-11	8/30/16	3790.65	67.54	--	--	3723.11	69.25
MW-11	8/31/16	3790.65	--	--	--	--	--
MW-11	9/28/16	3790.65	--	--	--	--	--
MW-11	10/5/16	3790.65	--	--	--	--	--
MW-11	10/12/16	3790.65	--	--	--	--	--
MW-11	10/31/16	3790.65	67.39	--	--	3723.26	69.25
MW-11	11/3/16	3790.65	--	--	--	--	--
MW-11	11/16/16	3790.65	--	--	--	--	--
MW-11	12/7/16	3790.65	--	--	--	--	--
MW-11	1/11/17	3790.65	--	--	--	--	--
MW-11	1/24/17	3790.65	--	--	--	--	--
MW-11	2/7/17	3790.65	--	--	--	--	--
MW-11	2/27/17	3790.65	67.47	--	--	3723.18	69.13
MW-11	3/1/17	3790.65	--	--	--	--	--
MW-11	4/3/17	3790.65	--	--	--	--	--
MW-11	5/2/17	3790.65	--	--	--	--	--
MW-11	5/17/17	3790.65	--	--	--	--	--
MW-11	5/30/17	3790.65	67.62	--	--	3723.03	69.11
MW-11	5/31/17	3790.65	--	--	--	--	--
MW-11	6/13/17	3790.65	--	--	--	--	--
MW-11	7/5/17	3790.65	--	--	--	--	--
MW-11	7/13/17	3790.65	--	--	--	--	--
MW-11	8/29/17	3790.65	67.80	--	--	3722.85	69.13
MW-11	9/6/17	3790.65	--	--	--	--	--
MW-11	9/19/17	3790.65	--	--	--	--	--
MW-11	10/11/17	3790.65	--	--	--	--	--
MW-11	11/7/17	3790.65	--	--	--	--	--
MW-11	11/27/17	3790.65	67.92	--	--	3722.73	69.12
MW-11	12/1/17	3790.65	--	--	--	--	--
MW-11	2/27/18	3790.65	68.03	--	--	3722.62	69.18
MW-11	5/29/18	3790.65	68.29	--	--	3722.36	69.30
MW-11	8/29/18	3790.65	68.42	--	--	3722.23	69.16
MW-11	11/26/18	3790.65	68.64	--	--	3722.01	69.16
MW-11	2/25/19	3790.65	68.78	--	--	3721.87	--
MW-11	2/27/19	3790.65	--	--	--	--	--
MW-11	5/20/19	3790.65	68.97	--	--	3721.68	--
MW-11	7/23/19	3790.65	Dry	--	--	--	69.11
MW-11	10/22/19	3790.65	Dry	--	--	--	--
MW-12	2/27/17	3789.64	66.59	--	--	--	86.65
MW-12	3/1/17	3789.64	--	--	--	--	--
MW-12	5/30/17	3789.64	66.75	--	--	--	86.49
MW-12	5/31/17	3789.64	--	--	--	--	--

Table 1b
Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
MW-12	8/29/17	3789.64	66.95	--	--	3722.69	86.11
MW-12	9/6/17	3789.64	--	--	--	--	--
MW-12	11/27/17	3789.64	67.07	--	--	3722.57	85.92
MW-12	12/1/17	3789.64	--	--	--	--	--
MW-12	2/27/18	3789.64	67.27	--	--	3722.37	85.96
MW-12	5/29/18	3789.64	67.47	--	--	3722.17	86.04
MW-12	8/29/18	3789.64	67.57	--	--	3722.07	86.14
MW-12	11/26/18	3789.64	67.77	--	--	3721.87	86.14
MW-12	2/25/19	3789.64	67.94	--	--	3721.70	--
MW-12	2/27/19	3789.64	--	--	--	--	--
MW-12	5/20/19	3789.64	68.12	--	--	3721.52	--
MW-12	5/21/19	3789.64	--	--	--	--	--
MW-12	7/23/19	3789.64	68.30	--	--	3721.34	--
MW-12	7/23/19	3789.64	--	--	--	--	--
MW-12	10/22/19	3789.64	68.40	--	--	3721.24	--
RW-1	6/16/11	3787.45	LNAPL	60.95	6.94	--	67.89
RW-1	9/6/11	3787.45	67.87	61.13	6.74	3725.04	68.03
RW-1	11/28/11	3787.45	67.82	61.21	6.61	3724.98	67.92
RW-1	3/5/12	3787.45	67.83	61.39	6.44	3724.84	67.93
RW-1	6/4/12	3787.45	67.61	61.50	6.11	3724.79	--
RW-1	9/10/12	3787.45	67.63	61.63	6.00	3724.68	--
RW-1	12/4/12	3787.45	67.70	61.79	5.91	3724.54	--
RW-1	3/4/13	3787.45	67.59	61.92	5.67	3724.45	--
RW-1	5/28/13	3787.45	67.65	62.08	5.57	3724.31	--
RW-1	8/28/13	3787.45	68.08	62.22	5.86	3724.12	--
RW-1	11/12/13	3787.45	LNAPL	62.37	5.63	--	68.00
RW-1	2/25/14	3787.45	LNAPL	62.55	5.60	--	68.15
RW-1	5/28/14	3787.45	67.85	62.66	5.19	3723.80	68.15
RW-1	6/10/14	3787.45	LNAPL	62.72	5.11	--	67.83
RW-1	9/3/14	3787.45	LNAPL	62.88	4.94	--	67.82
RW-1	11/18/14	3787.45	LNAPL	63.06	4.76	--	67.82
RW-1	3/3/15	3787.45	67.63	63.25	4.38	3723.37	--
RW-1	6/3/15	3787.45	67.47	63.39	4.08	3723.28	--
RW-1	8/11/15	3787.45	67.50	63.56	3.94	3723.14	--
RW-1	12/1/15	3787.45	67.52	63.80	3.72	3722.94	--
RW-1	2/8/16	3787.45	67.55	63.95	3.60	3722.82	--
RW-1	5/24/16	3787.45	67.49	64.14	3.35	3722.67	--
RW-1	8/30/16	3787.45	67.47	64.39	3.08	3722.47	--
RW-1	10/31/16	3787.45	67.43	64.48	2.95	3722.41	--
RW-1	2/27/17	3787.45	67.48	64.72	2.76	3722.21	--
RW-1	5/30/17	3787.45	67.48	64.90	2.58	3722.06	--
RW-1	6/13/17	3787.45	--	--	--	--	--
RW-1	6/27/17	3787.45	--	--	--	--	--
RW-1	7/5/17	3789.85	--	--	--	--	--
RW-1	7/19/17	3789.85	--	--	--	--	--
RW-1	8/28/17	3789.85	67.65	65.04	2.61	3724.31	--
RW-1	9/6/17	3789.85	--	--	--	--	--
RW-1	11/27/17	3789.85	67.58	65.19	2.39	3724.21	--
RW-1	2/27/18	3789.85	67.30	65.40	1.90	3724.09	67.87
RW-1	5/29/18	3789.85	LNAPL	65.50	2.47	--	67.97
RW-1	8/29/18	3789.85	LNAPL	65.68	2.24	--	67.92
RW-1	11/26/18	3789.85	LNAPL	65.91	2.17	--	68.08
RW-1	1/29/19	3789.85	LNAPL	--	--	--	--
RW-1	2/25/19	3789.85	68.04	66.09	1.95	3723.39	--
RW-1	4/24/19	3789.85	68.11	66.17	1.94	3723.31	--
RW-1	5/20/19	3789.85	68.04	66.24	1.80	3723.27	--
RW-1	6/11/19	3789.85	--	--	--	--	--
RW-1	6/18/19	3789.85	--	--	--	--	--
RW-1	6/25/19	3789.85	--	--	--	--	--
RW-1	7/3/19	3789.85	--	--	--	--	--
RW-1	7/8/19	3789.85	--	--	--	--	--
RW-1	7/23/19	3789.85	LNAPL	66.42	1.66	--	68.01
RW-1	8/7/19	3789.85	--	--	--	--	--
RW-1	8/13/19	3789.85	--	--	--	--	--
RW-1	8/20/19	3789.85	--	--	--	--	--
RW-1	8/28/19	3789.85	--	--	--	--	--
RW-1	9/3/19	3789.85	--	--	--	--	--

Table 1b
Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-1	9/10/19	3789.85	--	--	--	--	--
RW-1	10/2/19	3789.85	--	--	--	--	--
RW-1	10/22/19	3789.85	LNAPL	66.55	1.37	--	--
RW-1	11/20/19	3789.85	--	--	--	--	--
RW-1	12/10/19	3789.85	--	--	--	--	--
RW-1	12/24/19	3789.85	--	--	--	--	--
RW-2	6/16/11	3787.83	67.00	63.15	3.85	3723.95	68.25
RW-2	9/6/11	3787.83	67.99	61.51	6.48	3725.09	68.87
RW-2	11/28/11	3787.83	67.96	61.58	6.38	3725.04	68.35
RW-2	3/5/12	3787.83	67.91	61.70	6.21	3724.95	68.20
RW-2	6/4/12	3787.83	67.91	62.72	5.19	3724.12	--
RW-2	9/10/12	3787.83	67.79	62.61	5.18	3724.24	--
RW-2	12/4/12	3787.83	67.94	63.12	4.82	3723.79	--
RW-2	3/4/13	3787.83	67.89	63.31	4.58	3723.65	--
RW-2	6/4/13	3787.83	68.03	64.20	3.83	3722.90	--
RW-2	8/28/13	3787.83	67.67	63.69	3.98	3723.38	--
RW-2	11/12/13	3787.83	67.41	63.13	4.28	3723.89	--
RW-2	2/25/14	3787.83	LNAPL	64.43	3.84	--	68.27
RW-2	5/28/14	3787.83	68.26	63.08	5.18	3723.77	68.27
RW-2	6/24/14	3787.83	LNAPL	63.08	5.19	--	68.27
RW-2	7/8/14	3787.83	65.20	64.57	0.63	3723.14	68.27
RW-2	9/3/14	3787.83	67.90	63.21	4.69	3723.73	68.27
RW-2	11/18/14	3787.83	67.90	63.40	4.50	3723.58	68.27
RW-2	3/3/15	3787.83	67.90	63.66	4.24	3723.36	--
RW-2	6/3/15	3787.83	67.87	63.68	4.19	3723.35	--
RW-2	8/11/15	3787.83	67.89	63.83	4.06	3723.23	--
RW-2	12/1/15	3787.83	67.89	64.04	3.85	3723.06	--
RW-2	2/8/16	3787.83	67.95	64.20	3.75	3722.92	--
RW-2	5/24/16	3787.83	67.79	64.37	3.42	3722.81	--
RW-2	8/30/16	3787.83	67.86	64.60	3.26	3722.61	--
RW-2	10/31/16	3787.83	67.90	64.70	3.20	3722.52	--
RW-2	1/17/17	3787.83	--	--	--	--	--
RW-2	2/27/17	3787.83	67.92	64.93	2.99	3722.33	--
RW-2	4/3/17	3787.83	--	--	--	--	--
RW-2	4/25/17	3787.83	--	--	--	--	--
RW-2	5/10/17	3787.83	--	--	--	--	--
RW-2	5/30/17	3787.83	67.94	65.13	2.81	3722.17	--
RW-2	6/7/17	3787.83	--	--	--	--	--
RW-2	6/13/17	3787.83	--	--	--	--	--
RW-2	6/27/17	3787.83	--	--	--	--	--
RW-2	7/5/17	3790.24	--	--	--	--	--
RW-2	7/13/17	3790.24	--	--	--	--	--
RW-2	7/19/17	3790.24	--	--	--	--	--
RW-2	7/25/17	3790.24	--	--	--	--	--
RW-2	8/2/17	3790.24	--	--	--	--	--
RW-2	8/9/17	3790.24	--	--	--	--	--
RW-2	8/16/17	3790.24	--	--	--	--	--
RW-2	8/28/17	3790.24	67.92	65.33	2.59	3724.42	--
RW-2	9/6/17	3790.24	--	--	--	--	--
RW-2	9/13/17	3790.24	--	--	--	--	--
RW-2	9/19/17	3790.24	--	--	--	--	--
RW-2	10/11/17	3790.24	--	--	--	--	--
RW-2	10/18/17	3790.24	--	--	--	--	--
RW-2	10/24/17	3790.24	--	--	--	--	--
RW-2	11/1/17	3790.24	--	--	--	--	--
RW-2	11/14/17	3790.24	--	--	--	--	--
RW-2	11/22/17	3790.24	--	--	--	--	--
RW-2	11/27/17	3790.24	67.88	65.74	2.14	3724.09	--
RW-2	12/5/17	3790.24	--	--	--	--	--
RW-2	12/12/17	3790.24	--	--	--	--	--
RW-2	12/20/17	3790.24	--	--	--	--	--
RW-2	2/27/18	3790.24	67.95	65.90	2.05	3723.95	68.29
RW-2	5/29/18	3790.24	67.97	65.86	2.11	3723.98	--
RW-2	8/29/18	3790.24	LNAPL	66.03	2.25	--	68.28
RW-2	11/26/18	3790.24	LNAPL	66.20	2.34	--	68.54
RW-2	1/29/19	3790.24	--	--	--	--	--
RW-2	2/25/19	3790.24	68.51	66.46	2.05	3723.39	68.30

Table 1b
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Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-2	4/24/19	3790.24	68.54	66.48	2.06	3723.37	--
RW-2	5/20/19	3790.24	LNAPL	66.53	1.77	--	68.30
RW-2	6/11/19	3790.24	--	--	--	--	--
RW-2	6/18/19	3790.24	--	--	--	--	--
RW-2	6/25/19	3790.24	--	--	--	--	--
RW-2	7/3/19	3790.24	--	--	--	--	--
RW-2	7/8/19	3790.24	--	--	--	--	--
RW-2	7/23/19	3790.24	LNAPL	66.73	1.57	--	68.40
RW-2	8/7/19	3790.24	--	--	--	--	--
RW-2	8/20/19	3790.24	--	--	--	--	--
RW-2	8/13/19	3790.24	--	--	--	--	--
RW-2	8/28/19	3790.24	--	--	--	--	--
RW-2	9/3/19	3790.24	--	--	--	--	--
RW-2	9/10/19	3790.24	--	--	--	--	--
RW-2	10/2/19	3790.24	--	--	--	--	--
RW-2	10/22/19	3790.24	LNAPL	66.89	1.65	--	--
RW-2	11/20/19	3790.24	--	--	--	--	--
RW-2	12/10/19	3790.24	--	--	--	--	--
RW-2	12/23/19	3790.24	--	--	--	--	--
RW-3	6/16/11	3787.81	69.43	62.59	6.84	3723.92	71.20
RW-3	9/6/11	3787.81	69.43	61.65	7.78	3724.68	72.59
RW-3	11/28/11	3787.81	69.51	61.72	7.79	3724.61	71.30
RW-3	3/5/12	3787.81	69.78	61.82	7.96	3724.48	71.18
RW-3	6/4/12	3787.81	69.32	62.55	6.77	3723.97	--
RW-3	9/10/12	3787.81	69.03	62.40	6.63	3724.15	--
RW-3	12/4/12	3787.81	70.51	63.40	7.11	3723.06	--
RW-3	3/4/13	3787.81	70.80	63.82	6.98	3722.66	--
RW-3	6/4/13	3787.81	70.56	63.73	6.83	3722.78	--
RW-3	8/28/13	3787.81	69.76	63.32	6.44	3723.27	--
RW-3	11/12/13	3787.81	70.07	63.00	7.07	3723.47	--
RW-3	2/25/14	3787.81	70.75	63.02	7.73	3723.32	--
RW-3	5/28/14	3787.81	70.55	63.23	7.32	3723.19	71.18
RW-3	6/10/14	3787.81	70.77	63.25	7.52	3723.13	71.18
RW-3	9/3/14	3787.81	70.76	63.45	7.31	3722.97	71.18
RW-3	11/1/14	3787.81	--	--	--	--	--
RW-3	11/18/14	3787.81	LNAPL	63.61	7.57	--	71.18
RW-3	3/3/15	3787.81	70.21	63.97	6.24	3722.65	--
RW-3	6/3/15	3787.81	70.73	63.99	6.74	3722.54	--
RW-3	8/11/15	3787.81	70.82	64.20	6.62	3722.35	--
RW-3	12/1/15	3787.81	70.78	64.42	6.36	3722.18	--
RW-3	2/8/16	3787.81	70.83	64.58	6.25	3722.04	--
RW-3	5/24/16	3787.81	70.72	65.10	5.62	3721.64	--
RW-3	8/30/16	3787.81	70.79	65.25	5.54	3721.51	--
RW-3	10/31/16	3787.81	70.75	65.07	5.68	3721.66	--
RW-3	2/27/17	3787.81	71.62	66.15	5.47	3720.62	--
RW-3	4/25/17	3787.81	--	--	--	--	--
RW-3	5/10/17	3787.81	--	--	--	--	--
RW-3	5/30/17	3787.81	70.73	65.47	5.26	3721.34	--
RW-3	6/13/17	3787.81	--	--	--	--	--
RW-3	6/27/17	3787.81	--	--	--	--	--
RW-3	7/5/17	3790.24	--	--	--	--	--
RW-3	7/13/17	3790.24	--	--	--	--	--
RW-3	7/19/17	3790.24	--	--	--	--	--
RW-3	7/25/17	3790.24	--	--	--	--	--
RW-3	8/2/17	3790.24	--	--	--	--	--
RW-3	8/9/17	3790.24	--	--	--	--	--
RW-3	8/16/17	3790.24	--	--	--	--	--
RW-3	8/28/17	3790.24	70.77	65.65	5.12	3723.62	--
RW-3	9/6/17	3790.24	--	--	--	--	--
RW-3	9/13/17	3790.24	--	--	--	--	--
RW-3	9/19/17	3790.24	--	--	--	--	--
RW-3	10/11/17	3790.24	--	--	--	--	--
RW-3	10/18/17	3790.24	--	--	--	--	--
RW-3	10/24/17	3790.24	--	--	--	--	--
RW-3	11/7/17	3790.24	--	--	--	--	--
RW-3	11/14/17	3790.24	--	--	--	--	--
RW-3	11/22/17	3790.24	--	--	--	--	--

Table 1b
Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-3	11/27/17	3790.24	69.46	66.36	3.10	3723.29	--
RW-3	12/5/17	3790.24	--	--	--	--	--
RW-3	12/12/17	3790.24	--	--	--	--	--
RW-3	12/20/17	3790.24	--	--	--	--	--
RW-3	2/27/18	3790.24	70.02	66.44	3.58	3723.12	71.27
RW-3	5/29/18	3790.24	70.76	66.13	4.63	3723.23	--
RW-3	8/29/18	3790.24	70.72	66.25	4.47	3723.14	71.27
RW-3	11/26/18	3790.24	70.50	66.73	3.77	3722.79	--
RW-3	1/29/19	3790.24	--	--	--	--	--
RW-3	2/6/19	3790.24	--	--	--	--	--
RW-3	2/25/19	3790.24	70.76	66.63	4.13	3722.83	--
RW-3	5/20/19	3790.24	70.49	67.29	3.20	3722.34	--
RW-3	7/16/19	3790.24	71.34	67.77	3.57	3721.79	--
RW-3	7/23/19	3790.24	71.33	67.52	3.81	3722.00	--
RW-3	10/22/19	3790.24	69.80	67.20	2.60	3722.55	--
RW-4	6/16/11	3787.74	67.62	62.19	5.43	3724.52	72.18
RW-4	9/6/11	3787.74	68.98	61.75	7.23	3724.62	72.31
RW-4	11/28/11	3787.74	67.77	62.11	5.66	3724.55	72.24
RW-4	3/5/12	3787.74	69.22	62.43	6.79	3724.02	72.15
RW-4	6/4/12	3787.74	69.53	62.50	7.03	3723.90	--
RW-4	9/10/12	3787.74	69.13	62.41	6.72	3724.05	--
RW-4	12/4/12	3787.74	69.28	63.71	5.57	3722.97	--
RW-4	3/4/13	3787.74	70.10	63.38	6.72	3723.08	--
RW-4	6/4/13	3787.74	69.45	63.47	5.98	3723.13	--
RW-4	8/28/13	3787.74	69.45	63.19	6.26	3723.36	--
RW-4	11/12/13	3787.74	69.96	63.07	6.89	3723.36	--
RW-4	2/25/14	3787.74	70.92	63.09	7.83	3723.16	--
RW-4	5/28/14	3787.74	71.00	63.73	7.27	3722.63	72.15
RW-4	6/10/14	3787.74	71.05	63.77	7.28	3722.59	72.15
RW-4	7/8/14	3787.74	65.55	64.46	1.09	3723.07	72.15
RW-4	9/3/14	3787.74	70.30	63.58	6.72	3722.88	72.15
RW-4	11/18/14	3787.74	70.10	63.80	6.30	3722.74	72.15
RW-4	3/3/15	3787.74	68.49	64.64	3.85	3722.37	--
RW-4	6/3/15	3787.74	71.37	64.16	7.21	3722.21	--
RW-4	8/11/15	3787.74	69.39	64.84	4.55	3722.04	--
RW-4	12/1/15	3787.74	67.69	65.17	2.52	3722.09	--
RW-4	2/8/16	3787.74	70.57	64.96	5.61	3721.71	--
RW-4	5/24/16	3787.74	68.80	65.93	2.87	3721.26	--
RW-4	8/30/16	3787.74	70.50	66.09	4.41	3720.81	--
RW-4	10/31/16	3787.74	71.01	65.51	5.50	3721.19	--
RW-4	11/30/16	3787.74	--	--	--	--	--
RW-4	12/7/16	3787.74	--	--	--	--	--
RW-4	1/17/17	3787.74	--	--	--	--	--
RW-4	2/15/17	3787.74	--	--	--	--	--
RW-4	2/27/17	3787.74	70.97	65.58	5.39	3721.14	--
RW-4	4/25/17	3787.74	--	--	--	--	--
RW-4	5/10/17	3787.74	--	--	--	--	--
RW-4	5/30/17	3787.74	71.01	65.75	5.26	3720.99	--
RW-4	6/13/17	3787.74	--	--	--	--	--
RW-4	6/27/17	3787.74	--	--	--	--	--
RW-4	7/5/17	3790.20	--	--	--	--	--
RW-4	7/13/17	3790.20	--	--	--	--	--
RW-4	7/19/17	3790.20	--	--	--	--	--
RW-4	7/25/17	3790.20	--	--	--	--	--
RW-4	8/2/17	3790.20	--	--	--	--	--
RW-4	8/9/17	3790.20	--	--	--	--	--
RW-4	8/28/17	3790.20	LNAPL	65.94	0.86	--	66.80
RW-4	9/6/17	3790.20	--	--	--	--	--
RW-4	11/27/17	3790.20	LNAPL	66.04	0.76	--	66.80
RW-4	2/27/18	3790.20	--	--	--	--	66.81
RW-4	5/29/18	3790.20	--	--	--	--	66.08
RW-4	8/29/18	3790.20	66.97	66.46	0.51	3723.64	66.81
RW-4	11/26/18	3790.20	Dry	--	--	--	67.06
RW-4	2/25/19	3790.20	Dry	--	--	--	--
RW-4	5/20/19	3790.20	67.10	66.98	0.12	3723.20	--
RW-4	7/23/19	3790.20	Dry	--	--	--	66.95

Table 1b
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Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-4	10/22/19	3790.20	Dry	--	--	--	
RW-5	6/16/11	3787.38	66.03	61.21	4.82	3725.25	71.74
RW-5	9/6/11	3787.38	68.73	61.38	7.35	3724.60	72.81
RW-5	11/28/11	3787.38	68.33	61.59	6.74	3724.51	71.79
RW-5	3/5/12	3787.38	68.38	61.78	6.60	3724.35	71.83
RW-5	6/4/12	3787.38	66.62	62.41	4.21	3724.17	--
RW-5	9/10/12	3787.38	68.55	62.07	6.48	3724.08	68.55
RW-5	12/4/12	3787.38	68.34	62.35	5.99	3723.89	--
RW-5	3/4/13	3787.38	68.90	62.39	6.51	3723.75	--
RW-5	5/28/13	3787.38	69.52	62.44	7.08	3723.59	--
RW-5	8/28/13	3787.38	69.70	62.55	7.15	3723.47	--
RW-5	11/12/13	3787.38	67.92	63.14	4.78	3723.33	--
RW-5	2/25/14	3787.38	68.45	63.21	5.24	3723.17	--
RW-5	5/28/14	3787.38	69.68	63.12	6.56	3723.01	68.55
RW-5	6/24/14	3787.38	69.70	63.19	6.51	3722.95	68.55
RW-5	7/8/14	3787.38	69.50	63.25	6.25	3722.94	68.55
RW-5	9/3/14	3787.38	69.84	63.30	6.54	3722.84	68.55
RW-5	11/18/14	3787.38	69.35	63.60	5.75	3722.69	68.55
RW-5	3/3/15	3787.38	69.78	63.74	6.04	3722.49	--
RW-5	6/3/15	3787.38	66.52	64.60	1.92	3722.42	--
RW-5	8/11/15	3787.38	69.47	64.18	5.29	3722.19	--
RW-5	12/1/15	3787.38	67.69	64.79	2.90	3722.04	--
RW-5	2/8/16	3787.38	68.59	64.74	3.85	3721.91	--
RW-5	5/24/16	3787.38	69.30	65.00	4.30	3721.56	--
RW-5	8/30/16	3787.38	69.88	65.22	4.66	3721.27	--
RW-5	10/31/16	3787.38	70.50	65.04	5.46	3721.30	--
RW-5	2/27/17	3787.38	69.72	65.43	4.29	3721.13	--
RW-5	5/30/17	3787.38	71.17	65.58	5.59	3720.74	--
RW-5	6/13/17	3787.38	--	--	--	--	--
RW-5	6/27/17	3787.38	--	--	--	--	--
RW-5	7/19/17	3789.81	--	--	--	--	--
RW-5	8/28/17	3789.81	70.77	65.67	5.10	3723.17	--
RW-5	10/18/17	3789.81	--	--	--	--	--
RW-5	11/27/17	3789.81	71.14	65.74	5.40	3723.04	--
RW-5	2/27/18	3789.81	71.06	66.00	5.06	3722.85	71.73
RW-5	5/29/18	3789.81	71.85	66.08	5.77	3722.63	--
RW-5	8/29/18	3789.81	69.43	66.71	2.72	3722.58	71.84
RW-5	11/26/18	3789.81	70.75	66.46	4.29	3722.53	--
RW-5	2/25/19	3789.81	71.22	66.84	4.38	3722.14	--
RW-5	5/20/19	3789.81	68.38	67.58	0.80	3722.08	--
RW-5	6/10/19	3789.81	68.85	67.50	1.35	3722.05	--
RW-5	7/16/19	3789.81	68.17	67.79	0.38	3721.95	--
RW-5	7/23/19	3789.81	68.37	67.80	0.57	3721.90	--
RW-5	8/20/19	3789.81	--	--	--	--	--
RW-5	8/13/19	3789.81	--	--	--	--	--
RW-5	8/28/19	3789.81	--	--	--	--	--
RW-5	9/3/19	3789.81	--	--	--	--	--
RW-5	9/10/19	3789.81	--	--	--	--	--
RW-5	10/2/19	3789.81	--	--	--	--	--
RW-5	10/22/19	3789.81	69.26	67.78	1.48	3721.75	--
RW-5	11/13/19	3789.81	70.14	67.68	2.46	3721.66	--
RW-5	11/20/19	3789.81	--	--	--	--	--
RW-5	12/10/19	3789.81	--	--	--	--	--
RW-5	12/23/19	3789.81	--	--	--	--	--
RW-6	6/16/11	3787.22	67.86	60.78	7.08	3725.09	71.81
RW-6	9/6/11	3787.22	69.02	60.98	8.04	3724.71	72.08
RW-6	11/28/11	3787.22	69.01	60.96	8.05	3724.73	72.09
RW-6	3/5/12	3787.22	69.16	60.10	9.06	3725.40	71.87
RW-6	6/4/12	3787.22	LNAPL	61.21	7.74	--	69.05
RW-6	9/10/12	3787.22	69.87	61.34	8.53	3724.26	--
RW-6	12/4/12	3787.22	69.70	61.55	8.15	3724.12	--
RW-6	3/4/13	3787.22	69.87	61.66	8.21	3724.00	--
RW-6	5/28/13	3787.22	70.13	61.79	8.34	3723.85	--
RW-6	8/28/13	3787.22	70.25	61.93	8.32	3723.71	--
RW-6	11/12/13	3787.22	LNAPL	62.13	8.00	--	70.13
RW-6	2/25/14	3787.22	LNAPL	62.28	8.32	--	70.60
RW-6	5/28/14	3787.22	LNAPL	62.43	8.17	--	70.60

Table 1b
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Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-6	6/10/14	3787.22	70.62	62.47	8.15	3723.20	70.60
RW-6	7/8/14	3787.22	64.51	63.85	0.66	3723.24	70.60
RW-6	9/3/14	3787.22	LNAPL	62.67	7.93	--	70.60
RW-6	11/1/14	3787.22	--	--	--	--	--
RW-6	11/18/14	3787.22	LNAPL	62.85	7.75	--	70.60
RW-6	3/3/15	3787.22	67.60	63.79	3.81	3722.71	--
RW-6	6/3/15	3787.22	66.82	64.05	2.77	3722.64	--
RW-6	8/11/15	3787.22	68.09	63.98	4.11	3722.46	--
RW-6	12/1/15	3787.22	67.37	64.39	2.98	3722.26	--
RW-6	2/8/16	3787.22	69.04	64.01	5.03	3722.25	--
RW-6	5/24/16	3787.22	LNAPL	63.96	--	--	70.74
RW-6	8/30/16	3787.22	LNAPL	65.07	--	--	69.21
RW-6	10/31/16	3787.22	68.82	64.33	4.49	3722.04	--
RW-6	11/9/16	3787.22	--	--	--	--	--
RW-6	11/30/16	3787.22	--	--	--	--	--
RW-6	1/17/17	3787.22	--	--	--	--	--
RW-6	2/15/17	3787.22	--	--	--	--	--
RW-6	2/27/17	3787.22	LNAPL	64.77	3.93	--	68.70
RW-6	4/25/17	3787.22	--	--	--	--	--
RW-6	5/10/17	3787.22	--	--	--	--	--
RW-6	5/30/17	3787.22	LNAPL	65.00	3.21	--	68.21
RW-6	6/13/17	3787.22	--	--	--	--	--
RW-6	7/5/17	3789.56	--	--	--	--	--
RW-6	7/13/17	3789.56	--	--	--	--	--
RW-6	7/25/17	3789.56	--	--	--	--	--
RW-6	8/2/17	3789.56	--	--	--	--	--
RW-6	8/9/17	3789.56	--	--	--	--	--
RW-6	8/16/17	3789.56	--	--	--	--	--
RW-6	8/28/17	3789.56	67.87	65.77	2.10	3723.39	--
RW-6	9/6/17	3789.56	--	--	--	--	--
RW-6	9/13/17	3789.56	--	--	--	--	--
RW-6	9/19/17	3789.56	--	--	--	--	--
RW-6	10/11/17	3789.56	--	--	--	--	--
RW-6	10/24/17	3789.56	--	--	--	--	--
RW-6	11/7/17	3789.56	--	--	--	--	--
RW-6	11/14/17	3789.56	--	--	--	--	--
RW-6	11/22/17	3789.56	--	--	--	--	--
RW-6	11/27/17	3789.56	66.91	66.12	0.79	3723.29	--
RW-6	12/5/17	3789.56	--	--	--	--	--
RW-6	12/12/17	3789.56	--	--	--	--	--
RW-6	12/20/17	3789.56	--	--	--	--	--
RW-6	2/27/18	3789.56	--	--	--	--	--
RW-6	5/29/18	3789.56	70.48	65.83	4.65	3722.85	--
RW-6	8/29/18	3789.56	69.05	66.26	2.79	3722.77	68.86
RW-6	11/26/18	3789.56	68.56	66.40	2.16	3722.75	--
RW-6	1/29/19	3789.56	--	--	--	--	--
RW-6	2/25/19	3789.56	LNAPL	66.20	2.66	--	68.86
RW-6	5/8/19	3789.56	-	-	-	--	--
RW-6	5/20/19	3789.56	LNAPL	66.80	2.06	--	68.86
RW-6	6/11/19	3789.56	--	--	--	--	--
RW-6	6/18/19	3789.56	--	--	--	--	--
RW-6	6/25/19	3789.56	--	--	--	--	--
RW-6	7/8/19	3789.56	--	--	--	--	--
RW-6	7/16/19	3789.56	LNAPL	66.77	1.95	--	68.86
RW-6	7/23/19	3789.56	LNAPL	66.35	2.51	--	68.70
RW-6	8/7/19	3789.56	--	--	--	--	--
RW-6	8/13/19	3789.56	--	--	--	--	--
RW-6	8/20/19	3789.56	--	--	--	--	--
RW-6	8/28/19	3789.56	--	--	--	--	--
RW-6	9/3/19	3789.56	--	--	--	--	--
RW-6	9/10/19	3789.56	--	--	--	--	--
RW-6	10/2/19	3789.56	--	--	--	--	--
RW-6	10/22/19	3789.56	LNAPL	66.49	2.37	--	--
RW-6	12/10/19	3789.56	--	--	--	--	--
RW-7	6/16/11	3787.40	Dry	--	--	--	60.20
RW-7	9/6/11	3787.40	Dry	--	--	--	60.98
RW-7	11/28/11	3787.40	Dry	--	--	--	60.98

Table 1b
Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-7	3/5/12	3787.40	Dry	--	--	--	61.22
RW-7	6/4/12	3787.40	Dry	--	--	--	--
RW-7	9/10/12	3787.40	Dry	--	--	--	60.29
RW-7	12/4/12	3787.40	Dry	--	--	--	60.25
RW-7	3/4/13	3787.40	Dry	--	--	--	60.30
RW-7	5/28/13	3787.40	Dry	--	--	--	60.24
RW-7	8/28/13	3787.40	Dry	--	--	--	60.30
RW-7	11/12/13	3787.40	Dry	--	--	--	60.33
RW-7	2/25/14	3787.40	Dry	--	--	--	60.31
RW-7	5/28/14	3787.40	Dry	--	--	--	59.90
RW-7	9/3/14	3787.40	Dry	--	--	--	60.31
RW-7	10/8/14	P&A	--	--	--	--	--
RW-7R	11/18/14	3787.65	67.52	64.10	3.42	3722.90	80.15
RW-7R	3/3/15	3787.65	69.64	63.89	5.75	3722.67	--
RW-7R	6/3/15	3787.65	70.72	63.79	6.93	3722.54	--
RW-7R	8/11/15	3787.65	68.54	64.46	4.08	3722.41	--
RW-7R	12/1/15	3787.65	70.89	64.19	6.70	3722.19	--
RW-7R	2/8/16	3787.65	70.12	64.54	5.58	3722.05	--
RW-7R	4/6/16	3787.65	--	--	--	--	--
RW-7R	5/24/16	3787.65	70.28	64.74	5.54	3721.86	--
RW-7R	5/27/16	3787.65	--	--	--	--	--
RW-7R	6/1/16	3787.65	--	--	--	--	--
RW-7R	7/6/16	3787.65	--	--	--	--	--
RW-7R	8/30/16	3787.65	67.50	65.15	2.35	3722.05	--
RW-7R	10/31/16	3787.65	70.93	65.08	5.85	3721.46	--
RW-7R	2/27/17	3787.65	69.11	67.18	1.93	3720.10	--
RW-7R	4/25/17	3787.65	--	--	--	--	--
RW-7R	5/10/17	3787.65	--	--	--	--	--
RW-7R	5/30/17	3787.65	69.95	66.36	3.59	3720.61	--
RW-7R	6/13/17	3787.65	--	--	--	--	--
RW-7R	6/27/17	3787.65	--	--	--	--	--
RW-7R	7/19/17	3790.58	--	--	--	--	--
RW-7R	8/28/17	3790.58	70.67	65.74	4.93	3723.90	--
RW-7R	11/27/17	3790.58	71.36	65.76	5.60	3723.76	--
RW-7R	2/27/18	3790.58	68.24	66.68	1.56	3723.60	81.34
RW-7R	5/29/18	3790.58	68.73	66.95	1.78	3723.29	--
RW-7R	8/29/18	3790.58	68.16	67.08	1.08	3723.29	81.34
RW-7R	11/26/18	3790.58	68.21	67.28	0.93	3723.12	--
RW-7R	12/4/18	3790.58	68.50	67.24	1.26	3723.10	--
RW-7R	2/25/19	3790.58	68.39	67.50	0.89	3722.91	--
RW-7R	4/24/19	3790.58	68.05	67.68	0.37	3722.83	--
RW-7R	5/20/19	3790.58	68.62	67.61	1.01	3722.78	--
RW-7R	6/11/19	3790.58	--	--	--	--	--
RW-7R	6/18/19	3790.58	--	--	--	--	--
RW-7R	6/25/19	3790.58	--	--	--	--	--
RW-7R	7/3/19	3790.58	--	--	--	--	--
RW-7R	7/8/19	3790.58	--	--	--	--	--
RW-7R	7/16/19	3790.58	68.44	67.80	0.64	3722.66	--
RW-7R	7/23/19	3790.58	68.60	67.80	0.80	3722.63	--
RW-7R	8/7/19	3790.58	--	--	--	--	--
RW-7R	8/20/19	3790.58	--	--	--	--	--
RW-7R	8/28/19	3790.58	--	--	--	--	--
RW-7R	9/3/19	3790.58	--	--	--	--	--
RW-7R	9/10/19	3790.58	--	--	--	--	--
RW-7R	10/2/19	3790.58	--	--	--	--	--
RW-7R	10/22/19	3790.58	69.12	67.90	1.22	3722.45	--
RW-7R	11/20/19	3790.58	--	--	--	--	--
RW-7R	12/24/19	3790.58	--	--	--	--	--
RW-8	11/18/14	3787.40	71.10	63.00	8.10	3722.86	80.64
RW-8	3/3/15	3787.40	71.08	63.23	7.85	3722.68	--
RW-8	6/3/15	3787.40	71.46	63.32	8.14	3722.53	--
RW-8	8/11/15	3787.40	70.84	63.61	7.23	3722.42	--
RW-8	12/1/15	3787.40	71.49	63.78	7.71	3722.16	--
RW-8	2/8/16	3787.40	71.43	63.92	7.51	3722.05	--
RW-8	4/6/16	3787.40	--	--	--	--	--
RW-8	5/24/16	3787.40	71.57	64.13	7.44	3721.86	--
RW-8	5/27/16	3787.40	--	--	--	--	--

Table 1b
Summary of Groundwater Gauging and Elevation Data (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-8	6/1/16	3787.40	--	--	--	--	--
RW-8	7/6/16	3787.40	--	--	--	--	--
RW-8	8/30/16	3787.40	71.75	64.38	7.37	3721.62	--
RW-8	10/31/16	3787.40	71.81	64.44	7.37	3721.56	--
RW-8	11/9/16	3787.40	--	--	--	--	--
RW-8	2/27/17	3787.40	72.08	64.70	7.38	3721.30	--
RW-8	4/25/17	3787.40	--	--	--	--	--
RW-8	5/10/17	3787.40	--	--	--	--	--
RW-8	5/30/17	3787.40	72.13	65.14	6.99	3720.93	--
RW-8	6/13/17	3787.40	--	--	--	--	--
RW-8	6/27/17	3787.40	--	--	--	--	--
RW-8	7/19/17	3790.01	--	--	--	--	--
RW-8	8/28/17	3790.01	72.12	65.10	7.02	3723.58	--
RW-8	11/27/17	3790.01	72.46	65.21	7.25	3723.42	--
RW-8	2/27/18	3790.01	71.55	65.61	5.94	3723.27	82.94
RW-8	5/29/18	3790.01	70.44	66.08	4.36	3723.10	--
RW-8	8/29/18	3790.01	69.25	66.50	2.75	3722.99	82.94
RW-8	11/26/18	3790.01	69.88	66.65	3.23	3722.75	--
RW-8	2/25/19	3790.01	72.29	66.64	5.65	3722.30	--
RW-8	5/20/19	3790.01	72.75	66.41	6.34	3722.40	--
RW-8	7/16/19	3790.01	72.31	66.68	5.63	3722.26	--
RW-8	7/23/19	3790.01	72.67	66.65	6.02	3722.22	--
RW-8	8/13/19	3790.01	--	--	--	--	--
RW-8	10/22/19	3790.01	71.54	67.04	4.50	3722.12	--
RW-9	11/18/14	3787.57	65.51	64.75	0.76	3722.68	80.50
RW-9	3/3/15	3787.57	65.99	64.89	1.10	3722.47	--
RW-9	6/3/15	3787.57	66.20	64.90	1.30	3722.42	--
RW-9	8/11/15	3787.57	66.12	65.21	0.91	3722.19	--
RW-9	12/1/15	3787.57	68.87	65.00	3.87	3721.83	--
RW-9	2/8/16	3787.57	69.73	64.90	4.83	3721.75	--
RW-9	4/20/16	3787.57	--	--	--	--	--
RW-9	5/24/16	3787.57	68.04	65.51	2.53	3721.58	--
RW-9	8/30/16	3787.57	68.58	65.64	2.94	3721.37	--
RW-9	9/8/16	3787.57	--	--	--	--	--
RW-9	9/21/16	3787.57	--	--	--	--	--
RW-9	10/12/16	3787.57	--	--	--	--	--
RW-9	10/31/16	3787.57	69.40	65.55	3.85	3721.29	--
RW-9	2/27/17	3787.57	68.75	65.96	2.79	3721.08	--
RW-9	5/30/17	3787.57	67.29	66.44	0.85	3720.97	--
RW-9	7/5/17	3790.00	--	--	--	--	--
RW-9	7/19/17	3790.00	--	--	--	--	--
RW-9	8/29/17	3790.00	67.57	66.59	0.98	3723.22	--
RW-9	9/6/17	3790.00	--	--	--	--	--
RW-9	11/27/17	3790.00	68.06	66.67	1.39	3723.07	--
RW-9	2/27/18	3790.00	67.77	66.95	0.82	3722.89	82.49
RW-9	5/29/18	3790.00	68.20	67.05	1.15	3722.73	--
RW-9	8/29/18	3790.00	67.49	67.36	0.13	3722.62	82.49
RW-9	11/26/18	3790.00	68.05	67.50	0.55	3722.40	--
RW-9	2/6/19	3790.00	--	--	--	--	--
RW-9	2/25/19	3790.00	68.67	67.55	1.12	3722.24	--
RW-9	4/24/19	3790.00	70.79	66.04	4.75	3723.06	--
RW-9	5/20/19	3790.00	69.18	67.69	1.49	3722.03	--
RW-9	7/23/19	3790.00	69.36	67.82	1.54	3721.89	--
RW-9	10/22/19	3790.00	68.51	68.16	0.35	3721.77	--
RW-10	11/1/14	--	--	--	--	--	--
RW-10	11/18/14	3787.29	69.30	63.40	5.90	3722.77	80.56
RW-10	3/3/15	3787.29	66.39	64.24	2.15	3722.64	--
RW-10	6/3/15	3787.29	70.15	63.61	6.54	3722.44	--
RW-10	8/11/15	3787.29	70.14	63.82	6.32	3722.27	--
RW-10	12/1/15	3787.29	70.69	64.01	6.68	3722.01	--
RW-10	2/8/16	3787.29	70.79	64.06	6.73	3721.95	--
RW-10	5/24/16	3787.29	69.20	66.00	3.20	3720.68	--
RW-10	8/30/16	3787.29	71.88	65.75	6.13	3720.38	--
RW-10	10/31/16	3787.29	70.84	64.67	6.17	3721.45	--
RW-10	11/30/16	3787.29	--	--	--	--	--
RW-10	12/7/16	3787.29	--	--	--	--	--
RW-10	1/17/17	3787.29	--	--	--	--	--

Table 1b
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Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
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Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-10	2/15/17	3787.29	--	--	--	--	--
RW-10	2/27/17	3787.29	71.08	64.91	6.17	3721.21	--
RW-10	4/25/17	3787.29	--	--	--	--	--
RW-10	5/10/17	3787.29	--	--	--	--	--
RW-10	5/30/17	3787.29	71.29	65.05	6.24	3721.05	--
RW-10	6/13/17	3787.29	--	--	--	--	--
RW-10	6/27/17	3787.29	--	--	--	--	--
RW-10	8/28/17	3789.69	71.46	65.25	6.21	3723.26	--
RW-10	11/27/17	3789.69	71.78	65.33	6.45	3723.13	--
RW-10	2/27/18	3789.69	71.83	65.53	6.30	3722.96	82.56
RW-10	5/29/18	3789.69	72.95	65.70	7.25	3722.61	--
RW-10	8/29/18	3789.69	72.83	65.78	7.05	3722.57	82.56
RW-10	11/26/18	3789.69	72.95	66.08	6.87	3722.30	--
RW-10	12/4/18	3789.69	73.41	66.02	7.39	3722.27	--
RW-10	1/29/19	3789.69	--	--	--	--	--
RW-10	2/25/19	3789.69	72.53	66.27	6.26	3722.23	--
RW-10	5/20/19	3789.69	70.30	68.90	1.40	3720.52	--
RW-10	7/16/19	3789.69	69.55	67.43	2.12	3721.86	--
RW-10	7/23/19	3789.69	70.63	67.23	3.40	3721.81	--
RW-10	10/22/19	3789.69	69.89	67.60	2.29	3721.65	--
RW-11	2/27/17	3789.77	66.17	--	--	--	85.80
RW-11	3/1/17	3789.77	--	--	--	--	--
RW-11	5/2/17	3789.77	--	--	--	--	--
RW-11	5/17/17	3789.77	--	--	--	--	--
RW-11	5/30/17	3789.77	66.33	--	--	3723.44	85.62
RW-11	5/31/17	3789.77	--	--	--	--	--
RW-11	6/13/17	3789.77	--	--	--	--	--
RW-11	6/27/17	3789.77	--	--	--	--	--
RW-11	7/5/17	3789.77	--	--	--	--	--
RW-11	7/13/17	3789.77	--	--	--	--	--
RW-11	7/25/17	3789.77	--	--	--	--	--
RW-11	8/29/17	3789.77	--	--	--	--	--
RW-11	8/30/17	3789.77	66.51	66.51	--	3723.26	85.58
RW-11	9/6/17	3789.77	--	--	--	--	--
RW-11	9/19/17	3789.77	--	--	--	--	--
RW-11	10/11/17	3789.77	--	--	--	--	--
RW-11	10/24/17	3789.77	--	--	--	--	--
RW-11	11/1/17	3789.77	--	--	--	--	--
RW-11	11/7/17	3789.77	--	--	--	--	--
RW-11	11/14/17	3789.77	--	--	--	--	--
RW-11	11/27/17	3789.77	66.63	--	--	3723.14	85.52
RW-11	12/1/17	3789.77	--	--	--	--	--
RW-11	12/5/17	3789.77	--	--	--	--	--
RW-11	12/12/17	3789.77	--	--	--	--	--
RW-11	12/20/17	3789.77	--	--	--	--	--
RW-11	2/27/18	3789.77	66.84	--	--	3722.93	85.44
RW-11	5/29/18	3789.77	67.01	--	--	3722.76	85.40
RW-11	8/29/18	3789.77	67.17	67.14	0.03	3722.62	--
RW-11	11/26/18	3789.77	67.38	67.34	0.04	3722.42	--
RW-11	2/25/19	3789.77	67.54	67.50	0.04	3722.26	--
RW-11	4/30/19	3789.77	67.63	67.61	0.02	3722.16	--
RW-11	5/20/19	3789.77	67.62	--	--	3722.15	--
RW-11	5/21/19	3789.77	--	--	--	--	--
RW-11	6/11/19	3789.77	--	--	--	--	--
RW-11	6/25/19	3789.77	--	--	--	--	--
RW-11	7/23/19	3789.77	67.83	--	--	3721.94	--
RW-11	7/23/19	3789.77	--	--	--	--	--
RW-11	8/13/19	3789.77	--	--	--	--	--
RW-11	8/20/19	3789.77	--	--	--	--	--
RW-11	8/28/19	3789.77	--	--	--	--	--
RW-11	9/3/19	3789.77	--	--	--	--	--
RW-11	9/10/19	3789.77	--	--	--	--	--
RW-11	9/24/19	3789.77	--	--	--	--	--
RW-11	10/2/19	3789.77	--	--	--	--	--
RW-11	10/22/19	3789.77	67.97	--	--	3721.80	--
RW-11	11/20/19	3789.77	--	--	--	--	--
RW-11	12/10/19	3789.77	--	--	--	--	--

Table 1b

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Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (Feet, NAVD88)	Depth to Groundwater (Feet BTOC)	Depth to LNAPL (Feet BTOC)	Thickness of LNAPL (Feet)	Corrected Groundwater Elevation (Feet BTOC, NAVD88)	Total Depth of Well (Feet BTOC)
RW-11	12/24/19	3789.77	--	--	--	--	--
RW-11	6/18/00	3789.77	68.45	--	--	3721.32	--
RW-12	2/27/17	3789.78	66.07	--	--	--	84.72
RW-12	3/1/17	3789.78	--	--	--	--	--
RW-12	5/2/17	3789.78	--	--	--	--	--
RW-12	5/17/17	3789.78	--	--	--	--	--
RW-12	5/30/17	3789.78	66.26	--	--	--	84.83
RW-12	5/31/17	3789.78	--	--	--	--	--
RW-12	6/13/17	3789.78	--	--	--	--	--
RW-12	6/27/17	3789.78	--	--	--	--	--
RW-12	7/5/17	3789.78	--	--	--	--	--
RW-12	7/13/17	3789.78	--	--	--	--	--
RW-12	7/25/17	3789.78	--	--	--	--	--
RW-12	8/29/17	3789.78	--	--	--	--	--
RW-12	8/30/17	3789.78	66.42	--	--	3723.36	84.35
RW-12	9/6/17	3789.78	--	--	--	--	--
RW-12	9/19/17	3789.78	--	--	--	--	--
RW-12	10/11/17	3789.78	--	--	--	--	--
RW-12	10/24/17	3789.78	--	--	--	--	--
RW-12	11/1/17	3789.78	--	--	--	--	--
RW-12	11/7/17	3789.78	--	--	--	--	--
RW-12	11/14/17	3789.78	--	--	--	--	--
RW-12	11/27/17	3789.78	66.56	--	--	3723.22	84.29
RW-12	12/1/17	3789.78	--	--	--	--	--
RW-12	12/5/17	3789.78	--	--	--	--	--
RW-12	12/12/17	3789.78	--	--	--	--	--
RW-12	12/20/17	3789.78	--	--	--	--	--
RW-12	2/27/18	3789.78	66.76	--	--	3723.02	84.28
RW-12	5/29/18	3789.78	66.92	--	--	3722.86	84.24
RW-12	8/29/18	3789.78	67.06	--	--	3722.72	85.31
RW-12	11/26/18	3789.78	67.27	--	--	3722.51	85.31
RW-12	2/25/19	3789.78	67.46	--	--	3722.32	--
RW-12	2/27/19	3789.78	--	--	--	--	--
RW-12	4/30/19	3789.78	67.54	67.53	0.01	3722.25	--
RW-12	4/30/19	3789.78	--	--	--	--	--
RW-12	5/20/19	3789.78	67.69	67.68	0.01	3722.10	--
RW-12	6/11/19	3789.78	--	--	--	--	--
RW-12	6/25/19	3789.78	--	--	--	--	--
RW-12	7/23/19	3789.78	67.74	--	--	3722.04	--
RW-12	8/13/19	3789.78	--	--	--	--	--
RW-12	8/20/19	3789.78	--	--	--	--	--
RW-12	8/28/19	3789.78	--	--	--	--	--
RW-12	9/3/19	3789.78	--	--	--	--	--
RW-12	9/10/19	3789.78	--	--	--	--	--
RW-12	9/24/19	3789.78	--	--	--	--	--
RW-12	10/2/19	3789.78	--	--	--	--	--
RW-12	10/22/19	3789.78	67.91	--	--	3721.87	--
RW-12	11/20/19	3789.78	--	--	--	--	--
RW-12	12/10/19	3789.78	--	--	--	--	--
RW-12	12/24/19	3789.78	--	--	--	--	--

Notes:

1. NAVD88 - North American Vertical Datum of 1988.
2. BTOC - Below Top-of-Casing.
3. LNAPL - Light Non-Aqueous Phase Liquids.
4. -- = No gauging data collected on corresponding date.
5. Pump - Pump installed in corresponding recovery well.
6. Dry - No fluid column measured in corresponding monitoring well.
7. P&A - Plugged and Abandoned.
8. NA - Not Available.
9. Elevations of the potentiometric surface were calculated using a LNAPL specific gravity of 0.81 gram/cubic centimeter (g/cc).

Table 2a

Summary of Groundwater Analytical Results (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-1	2/19/20		P&A	--	--	--
MW-3	2/19/20		P&A	--	--	--
MW-3R	3/25/20		0.000755	<0.000412	<0.000160	<0.000510
MW-3R	5/18/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	9/16/20		0.00186	0.000779 J	0.000239 J	0.000974 J
MW-3R	10/30/20		0.00292	0.000566 J	<0.000160	<0.000510
MW-3R	2/11/21		<0.000190	<0.000412	0.00114 B	<0.000510
MW-3R	2/11/21	DUP	<0.000190	<0.000412	0.00087 B	<0.000510
MW-3R	5/13/21		0.00103	<0.000412	0.000680	0.000982 J
MW-3R	8/9/21		0.000504	0.000733 J	0.000333 J	<0.000510
MW-3R	11/10/21		0.000288 J	<0.000278	<0.000137	<0.000174
MW-3R	2/9/22		0.000592	0.000870 J	0.000430 J	<0.000510
MW-3R	5/4/22		0.000643	0.000895 J	0.000510	<0.000510
MW-3R	8/19/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-3R	11/8/22		0.000572	<0.000412	0.00114	0.00265
MW-3R	2/8/23		0.00093	0.00121	0.000864	0.0141
MW-3R	5/4/23		0.000555	0.00103	0.00123	<0.00150
MW-3R	5/4/23	DUP	0.000529	0.00101	0.00123	<0.00150
MW-3R	8/8/23		0.000501	<0.00100	0.00117	<0.00150
MW-3R	8/8/23	DUP	<0.000500	<0.00100	0.00111	<0.00150
MW-3R	11/7/23		0.000739	0.00118	0.00162	0.0129
MW-3R	11/7/23	DUP	0.000757	0.00115	0.00159	0.0212
MW-4R	2/14/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	5/18/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	9/16/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	10/30/20		<0.000190	<0.000412	<0.000160	0.000712 J
MW-4R	2/11/21		<0.000190	<0.000412	<0.000160	0.000668 J
MW-4R	5/13/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	8/9/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	11/10/21		<0.0000941	<0.000278	<0.000137	<0.000174
MW-4R	2/9/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	5/4/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	8/17/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	11/8/22		0.00341	<0.000412	0.00284	<0.000510
MW-4R	2/8/23		0.00126	<0.000413	<0.000160	<0.000511
MW-4R	5/4/23		0.00731	<0.00100	0.000161 J	0.000674 J
MW-4R	8/8/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-4R	11/7/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-6	2/19/20		P&A	--	--	--
MW-6R	3/25/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	5/18/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	5/18/20	DUP	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	9/16/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	10/30/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	10/30/20	DUP	<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	2/10/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	5/13/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	8/9/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	11/10/21		<0.0000941	<0.000278	<0.000137	<0.000174
MW-6R	2/9/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	5/4/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	8/17/22		<0.000190	<0.000412	<0.000160	<0.000510

Table 2a

Summary of Groundwater Analytical Results (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-6R	11/8/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	2/8/23		<0.000190	<0.000412	<0.000160	<0.000510
MW-6R	5/4/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-6R	8/8/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-6R	11/7/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-7	2/19/20		P&A	--	--	--
MW-7R	3/25/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	5/18/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	9/16/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	10/30/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	2/10/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	5/13/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	8/9/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	11/10/21		<0.0000941	<0.000278	<0.000137	<0.000174
MW-7R	2/9/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	5/4/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	8/17/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	11/8/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	2/8/23		<0.000190	<0.000412	<0.000160	<0.000510
MW-7R	5/4/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-7R	8/8/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-7R	11/7/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-8	2/19/20		P&A	--	--	--
MW-8R	3/25/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	5/18/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	9/16/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	10/30/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	2/10/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	5/13/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	8/9/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	11/10/21		<0.0000941	<0.000278	<0.000137	<0.000174
MW-8R	2/9/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	5/4/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	8/17/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	11/8/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	2/8/23		<0.000190	<0.000412	<0.000160	<0.000510
MW-8R	5/4/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-8R	8/8/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-8R	11/7/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-9	2/19/20		P&A	--	--	--
MW-9R	3/25/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	5/18/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	9/16/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	10/30/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	2/10/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	5/13/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	8/9/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	11/10/21		<0.0000941	<0.000278	<0.000137	<0.000174
MW-9R	2/9/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	5/4/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	8/17/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	11/8/22		<0.000190	<0.000412	<0.000160	<0.000510

Table 2a

Summary of Groundwater Analytical Results (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-9R	2/8/23		<0.000190	<0.000412	<0.000160	<0.000510
MW-9R	5/4/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-9R	8/8/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-9R	11/7/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-10	2/19/20		P&A	--	--	--
MW-10R	3/25/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	5/18/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	9/16/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	10/30/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	2/10/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	5/13/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	8/9/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	11/10/21		<0.0000941	<0.000278	<0.000137	<0.000174
MW-10R	2/9/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	5/4/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	8/17/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	11/8/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	2/8/23		<0.000190	<0.000412	<0.000160	<0.000510
MW-10R	5/4/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-10R	8/8/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-10R	11/7/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-11	2/19/20		P&A	--	--	--
MW-12	2/14/20		0.00285	<0.000412	<0.000160	<0.000510
MW-12	5/18/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-12	9/16/20		0.0383	<0.000412	<0.000160	<0.000510
MW-12	10/30/20		0.00282	<0.000412	<0.000160	<0.000510
MW-12	2/11/21		1.200	0.0359	0.0767	0.136
MW-12	5/13/21		0.0169	<0.000412	<0.000160	<0.000510
MW-12	5/13/21	DUP	0.0191	<0.000412	<0.000160	<0.000510
MW-12	8/9/21		0.0152	<0.000412	0.00147	0.002
MW-12	8/9/21	DUP	0.00559	<0.000412	0.000343 J	<0.000510
MW-12	11/10/21		0.00115	<0.000278	<0.000137	<0.000174
MW-12	2/9/22		0.00490	<0.000412	<0.000160	<0.000510
MW-12	5/4/22		0.00132	<0.000412	<0.000160	<0.000510
MW-12	8/19/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-12	11/8/22		0.000697	<0.000412	<0.000160	<0.000510
MW-12	2/8/23		0.000842	<0.000412	<0.000160	<0.000510
MW-12	5/4/23		0.000588	<0.00100	<0.000500	<0.00150
MW-12	8/8/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-12	11/7/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-13	3/25/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-13	5/18/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-13	9/16/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-13	10/30/20		<0.000190	<0.000412	<0.000160	<0.000510
MW-13	2/10/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-13	5/13/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-13	8/9/21		<0.000190	<0.000412	<0.000160	<0.000510
MW-13	11/10/21		<0.0000941	<0.000278	<0.000137	<0.000174
MW-13	2/9/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-13	5/4/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-13	8/19/22		<0.000190	<0.000412	<0.000160	<0.000510
MW-13	11/8/22		<0.000190	<0.000412	<0.000160	<0.000510

Table 2a

Summary of Groundwater Analytical Results (2020-2023)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-13	2/8/23		<0.000190	<0.000412	<0.000160	<0.000510
MW-13	2/8/23	DUP	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	5/4/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-13	8/8/23		<0.000500	<0.00100	<0.000500	<0.00150
MW-13	11/7/23		<0.000500	<0.00100	<0.000500	<0.00150
RW-11	2/14/20		0.207	0.00300	0.0728	0.291
RW-11	5/18/20		0.0609	0.00338	0.0168	0.0651
RW-11	9/16/20		0.0140	0.00279	0.00415	0.0186
RW-11	9/16/20	DUP	0.0135	0.00268	0.00397	0.0180
RW-11	10/30/20		0.0059	0.000519 J	0.00243	0.0112
RW-11	10/30/20	DUP	0.0056	0.000495 J	0.00233	0.0107
RW-11	2/11/21		0.0201	0.000743 J	0.00445	0.0183
RW-11	5/13/21		LNAPL Present			
RW-12	2/14/20		0.859	0.064	0.160	0.183
RW-12	5/18/20		0.987	0.0380	0.0655	0.173
RW-12	5/18/20	DUP	0.924	0.0360	0.0651	0.170
RW-12	9/16/20		0.561	0.00979	0.165	0.0986
RW-12	10/30/20		0.562	<0.00412	0.0250	0.0218
RW-12	2/11/21		0.0279	<0.00412	<0.000160	<0.000510
RW-12	5/13/21		0.581	0.0263	0.100	0.114
RW-12	8/9/21		0.391	0.0143	0.0952	0.0651
RW-12	11/10/21		0.185	0.000396 J	0.00514	0.00605
RW-12	11/10/21	DUP	0.190	0.000646 J	0.00429	0.00673
RW-12	2/9/22		0.125	0.00805	0.0111	0.0447
RW-12	2/9/22	DUP	0.127	0.00808	0.0114	0.0458
RW-12	5/4/22		0.0675	0.00238	0.00248	0.0271
RW-12	8/19/22		0.101	<0.000412	0.0307	0.0289
RW-12	11/8/22		0.0267	0.000845 J	0.0234	0.0174
RW-12	11/8/22	DUP	0.0284	0.000933 J	0.0244	0.0195
Trip Blank	2/14/20		<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	8/19/22		<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	11/8/22		<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	2/3/23		<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	5/4/23		<0.000500	<0.00100	<0.000500	<0.00150
TRIPBLANK	8/8/23		<0.000500	<0.00100	<0.000500	<0.00150
TRIPBLANK	11/7/23		<0.000500	<0.00100	<0.000500	<0.00150
Equip Blank	11/8/22		<0.000190	<0.000412	<0.000160	<0.000510

Notes:

1. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analysis by Environmental Protection Agency (EPA) Method SW846-8021B.
2. All reported concentrations are reported as milligrams per Liter (mg/L).
3. Bold font indicates laboratory detection.
4. Yellow shaded cells indicate results exceeding NMWQCC Human Health Standards.
5. < - Not detected above the Sample Detection Limit.
6. J - Denotes an estimated concentration detected above the Sample Detection Limit and below the Method Quantitation
7. DUP - Duplicate Sample.
8. LNAPL - Light Non-Aqueous Phase Liquid.
9. Dry - No fluid column measured in monitoring well.
10. -- - No analytical data reported for corresponding date.
11. P&A - Plugged and Abandoned.

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-1	12/1/11		<0.00100	<0.00100	<0.00100	<0.00100
MW-1	12/6/12		<0.00100	<0.00100	<0.00100	<0.00100
MW-1	11/14/13		<0.00100	<0.00100	<0.00100	<0.00300
MW-1	11/19/14		<0.00100	<0.00100	<0.00100	<0.00100
MW-1	12/3/15		<0.00100	<0.00100	<0.00100	<0.00100
MW-1	11/3/16		<0.00100	<0.00100	<0.00100	<0.00100
MW-1	12/1/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-1	12/1/17	DUP	<0.00200	<0.00200	<0.00200	<0.00200
MW-1	11/27/18		<0.000190	<0.000412	<0.000160	<0.000510
MW-3	3/4/11		1.00	<0.0500	0.349	1.11
MW-3	6/16/11		1.30	<0.0500	<0.0500	<0.0500
MW-3	9/9/11		0.410	<0.00100	0.0839	0.0700
MW-3	12/1/11		0.101	<0.00100	0.145	0.0258
MW-3	3/7/12		0.365	<0.00500	0.120	0.159
MW-3	6/7/12		0.099	<0.00100	0.140	0.220
MW-3	9/12/12		0.376	<0.00100	0.103	0.016
MW-3	12/6/12		0.00420	<0.00100	0.063	0.014
MW-3	5/30/13		0.00940	<0.00100	<0.00100	<0.00100
MW-3	11/14/13		0.261	<0.00100	0.0132	0.0094
MW-3	5/28/14		0.0196	<0.00100	<0.00100	0.00450
MW-3	9/4/14		0.0983	<0.00100	0.0018	<0.00100
MW-3	11/19/14		0.106	<0.0500	<0.0500	<0.0500
MW-3	3/5/15		0.144	<0.0500	<0.0500	<0.0500
MW-3	6/3/15		0.180	<0.00100	0.00290	0.00130
MW-3	8/13/15		0.138	<0.00100	<0.00100	<0.00100
MW-3	12/3/15		0.222	<0.00100	<0.00100	0.00370
MW-3	2/11/16		0.345	<0.0500	<0.0500	<0.0500
MW-3	11/3/16		0.551	<0.0530	<0.0530	<0.0530
MW-3	5/31/17		0.805	0.0178	0.0240	0.0646
MW-3	8/30/18		Dry	--	--	--
MW-3	11/27/18		Dry	--	--	--
MW-4R	11/19/14		<0.00100	<0.00100	<0.00100	<0.00100
MW-4R	3/5/15		<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	6/3/15		<0.00100	<0.00100	<0.00100	<0.00100
MW-4R	8/13/15		<0.00100	<0.00100	<0.00100	<0.00100
MW-4R	12/3/15		<0.00100	<0.00100	<0.00100	<0.00100
MW-4R	2/11/16		<0.00100	<0.00100	<0.00100	<0.00100
MW-4R	5/26/16		<0.00100	<0.00100	0.00330	0.00330
MW-4R	9/1/16		<0.00100	<0.00100	<0.00100	0.00210
MW-4R	11/3/16		<0.00100	<0.00100	<0.00100	<0.00100
MW-4R	3/1/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	5/31/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	8/30/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	12/1/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	2/28/18		<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	5/30/18		<0.00200	<0.00200	<0.00200	<0.00200
MW-4R	8/30/18		<0.000190	<0.000412	0.000215 J	<0.000510
MW-4R	11/27/18		<0.000190	<0.000412	<0.000160	<0.000510
MW-4R	2/27/19		0.000190 J	<0.000412	0.000404 J	0.000721 J
MW-4R	5/21/19		0.000265 J	0.000544 J	0.000225 J	0.000846 J
MW-4R	7/23/19		<0.000190	<0.000412	<0.000160	<0.000510

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-4R	10/22/19		0.000301 J	0.000535 J	0.000380 J	0.00172
MW-6	12/1/11		<0.00100	<0.00100	<0.00100	<0.00100
MW-6	12/6/12		<0.00100	<0.00100	<0.00100	<0.00100
MW-6	11/14/13		<0.00100	<0.00100	<0.00100	<0.00300
MW-6	11/19/14		<0.00100	<0.00100	<0.00100	<0.00100
MW-6	12/3/15		<0.00100	<0.00100	<0.00100	<0.00100
MW-6	11/3/16		<0.00100	<0.00100	<0.00100	<0.00100
MW-6	12/1/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-7	12/1/11		<0.00100	<0.00100	<0.00100	<0.00100
MW-7	12/6/12		<0.00100	<0.00100	<0.00100	<0.00100
MW-7	11/14/13		<0.00100	<0.00100	<0.00100	<0.00300
MW-7	11/19/14		<0.00100	<0.00100	<0.00100	<0.00100
MW-7	12/3/15		<0.00100	<0.00100	<0.00100	<0.00100
MW-7	11/3/16		<0.00100	<0.00100	<0.00100	<0.00100
MW-7	11/3/16	DUP	<0.00100	<0.00100	<0.00100	<0.00100
MW-7	12/1/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-7	11/27/18		<0.000190	<0.000412	<0.000160	<0.000510
MW-7	10/22/19		--	--	--	--
MW-8	12/1/11		<0.00100	<0.00100	<0.00100	<0.00100
MW-8	12/6/12		<0.00100	<0.00100	<0.00100	<0.00100
MW-8	11/14/13		<0.00100	<0.00100	<0.00100	<0.00300
MW-8	11/19/14		<0.00100	<0.00100	<0.00100	<0.00100
MW-8	12/3/15		<0.00100	<0.00100	<0.00100	<0.00100
MW-8	11/3/16		<0.00100	<0.00100	<0.00100	<0.00100
MW-8	12/1/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-8	11/27/18		<0.000190	<0.000412	<0.000160	<0.000510
MW-8	10/22/19		0.000773	0.000654 J	0.000780	0.00239
MW-9	12/1/11		<0.00100	<0.00100	<0.00100	<0.00100
MW-9	12/6/12		<0.00100	<0.00100	<0.00100	<0.00100
MW-9	11/14/13		<0.00100	<0.00100	<0.00100	<0.00300
MW-9	11/19/14		<0.00100	<0.00100	<0.00100	<0.00100
MW-9	12/3/15		<0.00100	<0.00100	<0.00100	<0.00100
MW-9	11/3/16		<0.00100	<0.00100	<0.00100	<0.00100
MW-9	12/1/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-9	11/27/18		<0.000190	<0.000412	<0.000160	<0.000510
MW-9	11/27/18	DUP	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	10/22/19		0.000344 J	0.000609 J	0.000289 J	0.00114 J
MW-10	12/1/11		<0.00100	<0.00100	<0.00100	<0.00100
MW-10	12/6/12		<0.00100	<0.00100	<0.00100	<0.00100
MW-10	11/14/13		<0.00100	<0.00100	<0.00100	<0.00300
MW-10	11/19/14		<0.00100	<0.00100	<0.00100	<0.00100
MW-10	12/3/15		<0.00100	<0.00100	<0.00100	<0.00100
MW-10	11/3/16		<0.00100	<0.00100	<0.00100	<0.00100
MW-10	12/1/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-11	3/4/11		<0.00100	<0.00100	<0.00100	<0.00100
MW-11	6/16/11		<0.00100	<0.00100	<0.00100	<0.00100
MW-11	9/9/11		<0.00100	<0.00100	<0.00100	<0.00100
MW-11	12/1/11		<0.00100	<0.00100	<0.00100	<0.00100
MW-11	3/7/12		<0.00100	<0.00100	<0.00100	<0.00100
MW-11	6/7/12		<0.00100	<0.00100	<0.00100	<0.00100
MW-11	9/12/12		<0.00100	<0.00100	<0.00100	<0.00100

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-11	12/6/12		<0.00100	<0.00100	<0.00100	<0.00100
MW-11	3/7/13		0.0057	<0.00100	<0.00100	<0.00100
MW-11	5/30/13		<0.00100	<0.00100	<0.00100	<0.00100
MW-11	8/29/13		0.00740	<0.00100	<0.00100	<0.00100
MW-11	11/14/13		0.00170	<0.00100	<0.00100	0.00470
MW-11	2/27/14		0.00650	<0.00100	<0.00100	0.00860
MW-11	5/28/14		0.0238	<0.00100	<0.00100	0.00330
MW-11	9/4/14		0.123	<0.00100	0.00110	0.0118
MW-11	11/19/14		0.157	<0.00100	<0.00100	0.0129
MW-11	3/5/15		0.263	<0.00100	<0.00100	0.0028
MW-11	3/5/15	DUP	0.264	<0.00100	<0.00100	0.0033
MW-11	6/3/15		0.206	<0.00100	0.00600	0.00520
MW-11	6/3/15	DUP	0.160	<0.00100	<0.00100	0.00300
MW-11	8/13/15		0.267	<0.00100	<0.00100	0.01170
MW-11	8/13/15	DUP	0.278	<0.00100	<0.00100	0.01210
MW-11	12/3/15		0.259	<0.00100	<0.00100	0.00780
MW-11	12/3/15	DUP	0.213	<0.00100	<0.00100	0.00660
MW-11	2/11/16		0.0219	<0.00100	<0.00100	<0.00100
MW-11	2/11/16	DUP	0.0217	<0.00100	<0.00100	<0.00100
MW-11	5/26/16		<0.00100	<0.00100	<0.00100	<0.00100
MW-11	5/26/16	DUP	<0.00100	<0.00100	<0.00100	<0.00100
MW-11	9/1/16		0.00200	<0.00100	0.00170	0.00430
MW-11	9/1/16	DUP	0.00200	<0.00100	0.00130	0.00420
MW-11	11/3/16		0.00150	<0.00100	<0.00100	0.00120
MW-11	3/1/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-11	3/1/17	DUP	<0.00200	<0.00200	<0.00200	<0.00200
MW-11	5/31/17		0.00354	0.00222	<0.00200	<0.00200
MW-11	5/31/17	DUP	0.00465	0.00216	<0.00200	<0.00200
MW-11	8/30/17		0.00184 J	<0.00200	<0.00200	<0.00200
MW-11	8/30/17	DUP	0.00279	<0.00200	<0.00200	<0.00200
MW-11	12/1/17		0.00361	0.00226	0.00215	<0.00200
MW-11	12/1/17	DUP	0.00264	<0.00200	0.00232	<0.00200
MW-11	2/28/18		0.00223	<0.00200	0.0031	<0.00200
MW-11	5/30/18		<0.00200	<0.00200	0.00277	0.0123
MW-11	5/30/18	DUP	<0.00200	<0.00200	0.0115	0.0538
MW-11	8/30/18		<0.000190	<0.000412	<0.000160	<0.000510
MW-11	11/27/18		<0.000190	<0.000412	0.000446 J	<0.000510
MW-11	2/27/19		<0.000190	<0.000412	<0.000160	0.00278
MW-11	5/21/19		<0.000190	<0.000412	0.000175 J	<0.000510
MW-11	7/23/19		Dry	--	--	--
MW-11	10/22/19		Dry	--	--	--
MW-12	3/1/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-12	5/31/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-12	8/30/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-12	12/1/17		<0.00200	<0.00200	<0.00200	<0.00200
MW-12	2/28/18		<0.00200	<0.00200	<0.00200	<0.00200
MW-12	5/30/18		<0.00200	<0.00200	<0.00200	<0.00200
MW-12	8/30/18		<0.000190	<0.000412	<0.000160	<0.000510
MW-12	8/30/18	DUP	0.000197 J	<0.000412	<0.000160	0.00105 J
MW-12	11/27/18		<0.000190	<0.000412	0.000365 J	0.000844 J
MW-12	2/27/19		<0.000190	<0.000412	<0.000160	<0.000510

Table 2b

Summary of Groundwater Analytical Results (Historical)
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Sample Date	Sample Type	Benzene	Toluene	Ethylbenzene	Total Xylenes
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			0.01	0.75	0.75	0.62
MW-12	2/27/19	DUP	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	5/21/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-12	7/23/19		<0.000190	<0.000412	<0.000160	<0.000510
MW-12	10/22/19		0.000319 J	0.000583 J	0.000321 J	0.00138 J
RW-11	3/1/17		0.368	0.0974	0.129	0.356
RW-11	5/31/17		0.211	0.0511	0.0627	0.161
RW-11	8/30/17		0.396	0.133	0.135	0.335
RW-11	12/1/17		0.215	0.151	0.154	0.577
RW-11	2/28/18		0.0722	0.0208	0.0386	0.138
RW-11	2/28/18	DUP	0.0793	0.0230	0.0425	0.150
RW-11	5/30/18		0.0156	0.00297	0.00539	0.0243
RW-11	8/30/18		LNAPL	--	--	--
RW-11	11/27/18		LNAPL	--	--	--
RW-11	2/25/19		LNAPL	--	--	--
RW-11	5/21/19		0.142	0.00981	0.0276	0.104
RW-11	5/21/19	DUP	0.149	0.00822	0.0248	0.0847
RW-11	7/23/19		0.115	0.00220	0.0212	0.0620
RW-11	10/22/19		0.167	0.00805	0.0287	0.0937
RW-12	3/1/17		0.725	0.0656	0.103	0.164
RW-12	5/31/17		1.76	0.0830	0.328	0.652
RW-12	8/30/17		2.00	0.1960	0.356	0.454
RW-12	12/1/17		1.94	0.0353	0.121	0.127
RW-12	2/28/18		0.623	0.259	0.281	1.060
RW-12	5/30/18		<0.00200	0.00548	0.0176	0.0465
RW-12	8/30/18		1.39	0.105	0.0968	0.307
RW-12	11/27/18		1.37	0.144	0.216	0.254
RW-12	2/27/19		1.16	0.140	0.212	0.315
RW-12	5/20/19		LNAPL	--	--	--
RW-12	7/23/19		1.58	0.159	0.0746	0.492
RW-12	7/23/19	DUP	1.13	0.230	0.219	0.437
RW-12	10/22/19		1.12	0.186	0.353	0.389
RW-12	10/22/19	DUP	0.950	0.112	0.186	0.256
Trip Blank	8/30/18		<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	2/27/19		<0.000190	<0.000412	<0.000160	<0.000510

Notes:

1. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analysis by Environmental Protection Agency (EPA) Method SW846-8021B.
2. All reported concentrations are reported as milligrams per Liter (mg/L).
3. Bold font indicates laboratory detection.
4. Yellow shaded cells indicate results exceeding NMWQCC Human Health Standards.
5. < - Not detected above the Sample Detection Limit.
6. J - Denotes an estimated concentration detected above the Sample Detection Limit and below the Method Quantitation
7. DUP - Duplicate Sample.
8. LNAPL - Light Non-Aqueous Phase Liquid.
9. Dry - No fluid column measured in monitoring well.
10. -- - No analytical data reported for corresponding date.
11. P&A - Plugged and Abandoned.

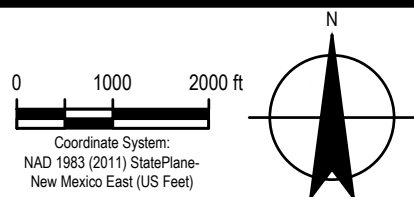
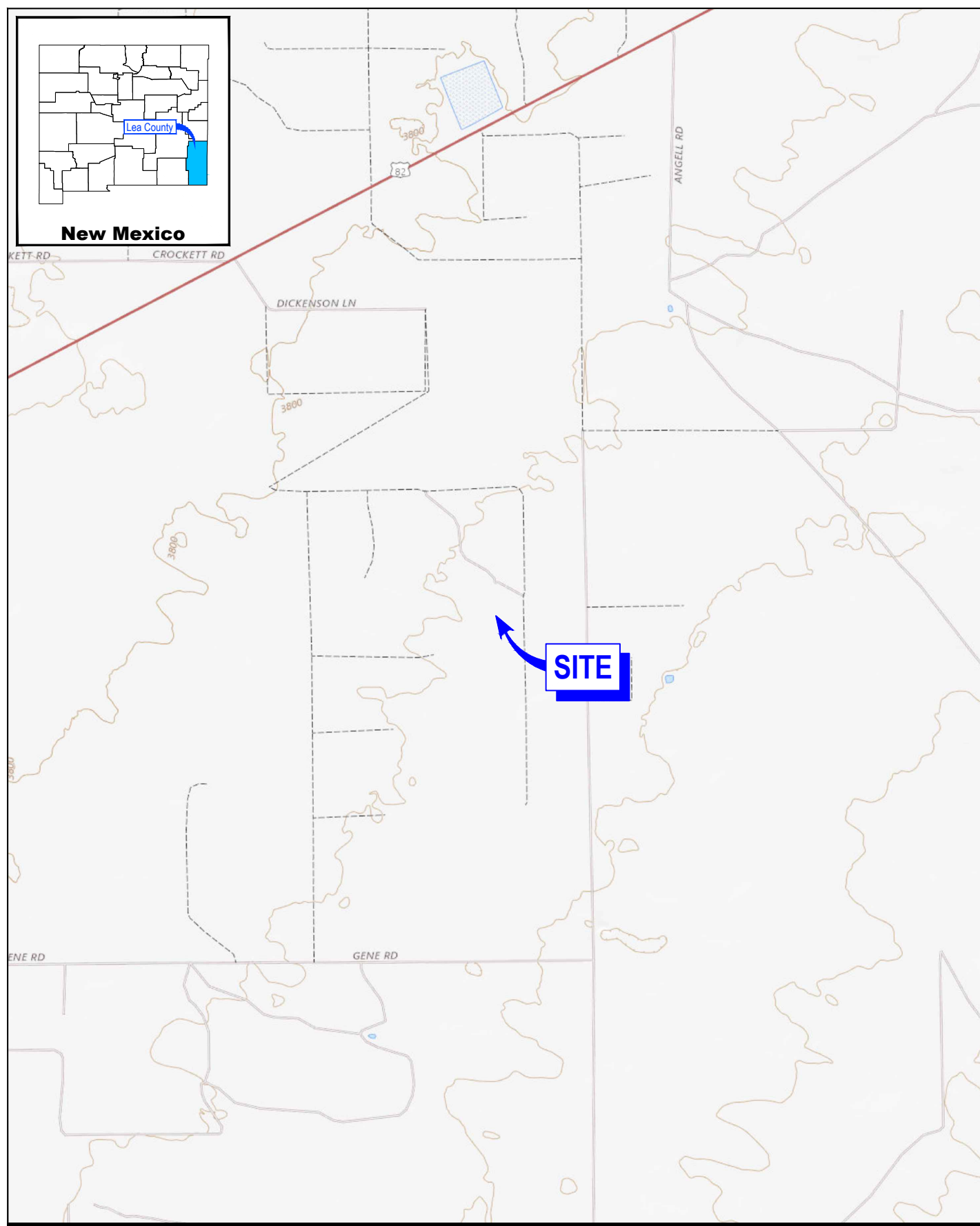
Table 3

Monitoring Well ID	Sample Date	Sample Type	Anthracene	Acenaphthene	Acenaphthylene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			0.001	0.001	0.001	0.001	0.0002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.03	0.001	0.001	0.03	
MW-1	12/1/08		<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-1	11/30/09		<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-2	12/1/08		<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.130	<0.000183	0.178	<0.000183	0.704	0.230	<0.000183	1.68	2.31
MW-2	11/30/09		<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	<0.0229	0.524	<0.0229	0.755	<0.0229	2.89	1.04	<0.0229	7.25	9.78
MW-3	12/1/08		<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.0014	<0.000183	0.00126	<0.000183	0.0426	0.00103	<0.000183	0.0260	<0.000183
MW-3	11/30/09		<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00145	<0.000184	0.00155	<0.000184	0.0238	0.00134	<0.000184	0.0306	<0.000184
MW-3	11/24/10		<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00133	<0.000184	0.00132	<0.000184	<0.000184	0.00112	<0.000184	0.0234	<0.000184
MW-3	12/1/11		<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.00163	<0.000183	0.00140	<0.000183	0.00893	0.00135	<0.000183	0.0191	<0.000183
MW-3	12/6/12		<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	<0.000191	0.00080	<0.000191	0.00066	<0.000191	<0.000191	0.00063	<0.000191	0.0016	<0.000191
MW-3	12/3/15		<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199
MW-3	11/3/16		<0.000229	<0.000229	<0.000229	<0.000229	<0.000229	<0.000229	<0.000229	<0.000229	<0.000229	<0.000229	0.000321	<0.000229	<0.000229	<0.000229	0.00184	<0.000229	0.000370	0.00230	<0.000229
MW-3R	10/30/20		<0.0000190	0.0000230 J	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	0.000308	<0.0000270	<0.0000169	<0.0000158	<0.0000917	0.0000352 J	<0.0000169	0.000284	<0.0000674
MW-3R	11/10/21		<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	0.000492	<0.0000270	<0.0000169	<0.0000158	<0.0000917	0.000188	<0.0000169	0.0000791 J	<0.0000674
MW-4	11/30/09		<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00118	<0.000184	<0.000184	<0.000184	<0.000184
MW-4R	11/19/14		<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198	<0.000198
MW-4R	12/3/15		<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
MW-6	12/1/08		<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-6	11/30/09		<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-6R	10/30/20	DUP	<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-6R	10/30/20		<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-6R	11/10/21		<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-7	12/1/08		<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-7	11/30/09		<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-7R	10/30/20		<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-7R	11/10/21		<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-8	12/1/08		<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-8	11/30/09		<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
MW-8	2/19/20		P&A																		
MW-8R	10/30/20		<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-8R	11/10/21		<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-9	12/1/08		<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-9	11/30/09		<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-9	2/19/20		P&A																		
MW-9R	10/30/20		<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-9R	11/10/21		<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-10	12/1/08		<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	&		

Table 3
Summary of Groundwater Dissolved PAH Compound Analytical Results
Plains All American Pipeline, L.P.
Darr Angell No. 2
SRS LF 1999-62
Lea County, New Mexico
NMOCD Incident No: nAPP2108852096

Monitoring Well ID	Sample Date	Sample Type	Anthracene	Acenaphthene	Acenaphthylene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards			0.001	0.001	0.001	0.001	0.0002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.03	0.001	0.001	0.03	
MW-12	12/1/17		<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000369	<0.000185	<0.000185	---	---
MW-12	11/27/18		<0.0000140	<0.0000100	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	0.00000254 J	<0.0000157	<0.00000850	<0.0000148	0.0000280 J	<0.00000820	<0.0000117	<0.00000821	<0.00000902
MW-12	10/22/19		<0.000014	<0.00001	<0.000012	<0.0000041	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	0.0000235 J	<0.0000157	0.0000217 J	<0.0000148	0.000197 J	0.0000231 J	<0.0000117	0.000123 J	0.000101 J
MW-13	10/30/20		<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
MW-13	11/10/21		<0.0000190	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	<0.0000191	<0.0000270	<0.0000169	<0.0000158	<0.0000917	<0.0000169	<0.0000169	<0.0000687	<0.0000674
RW-1	12/1/08		<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	<0.00459	0.208	<0.00459	0.274	<0.00459	1.01	0.346	<0.00459	2.42	3.20
RW-1	11/30/09		<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.00842	<0.000922	0.0117	<0.000922	0.102	0.0134	<0.000922	0.118	0.154
LNAPL																					
RW-2	12/1/08		<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	0.0350	<0.00184	0.0507	<0.00184	0.224	0.0569	<0.00184	0.410	0.526
RW-2	11/30/09		<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0178	<0.000922	0.0254	<0.000922	0.157	0.0322	<0.000922	0.266	0.347
LNAPL																					
RW-3	12/2/08		<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0309	<0.000922	0.0447	<0.000922	0.203	0.0523	<0.000922	0.362	0.480
RW-3	11/30/09		<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0101	<0.000922	0.0114	<0.000922	0.113	0.0132	<0.000922	0.128	0.164
LNAPL																					
RW-4	12/2/08		<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	0.122	<0.00183	0.173	<0.00183	0.637	0.216	<0.00183	1.58	2.14
RW-4	11/30/09		<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0184	<0.000922	0.0263	<0.000922	0.169	0.0337	<0.000922	0.276	0.367
RW-4	2/19/20		P&A																		
RW-5	12/1/08		<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0654	<0.000922	0.0938	<0.000922	0.283	0.117	<0.000922	0.835	0.910
RW-5	11/30/09		<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0155	<0.000922	0.0201	<0.000922	0.147	0.0284	<0.000922	0.217	0.295
LNAPL																					
RW-6	12/2/08		<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	0.138	<0.00183	0.188	<0.00183	0.693	0.244	<0.00183	1.77	2.44
RW-6	11/30/09		<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0253	<0.000922	0.0352	<0.000922	0.20	0.0492	<0.000922	0.36	0.481
LNAPL																					
RW-11	12/1/17		0.000374	0.00104	0.000469	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000806	<0.000183	0.00281	0.000196	0.00301	<0.000183	0.0270	0.00629	0.000216	---	---
RW-11	11/12/19		0.00112	<0.0000100	<0.00000700	0.000318	0.0000296	0.0000490	0.0000273	<0.0000255	0.000157	<0.00000454	0.00159	0.000153	0.00192	<0.00000739	0.00242	0.00325	0.000402	0.00511	0.00334
RW-11	10/30/20		0.000285	<0.0000190	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	0.000144	<0.0000160	0.000825	0.0000377 J	0.000425	<0.0000158	0.00102	0.000384	0.000131	0.00181	0.00151
RW-11	10/30/20		0.000250	0.0000964	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	0.000145	<0.0000160	0.000780	<0.0000270	0.000418	<0.0000158	0.000970	0.000359	0.000110	0.00174	0.00136
RW-12	12/1/17		<0.000183	0.000248	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000857	<0.000183	0.000194	<0.000183	0.0183	0.000635	<0.000183	---	---
RW-12	11/27/18		0.0000715	0.000281	<0.0000120	<0.00000410	<0.0000116	<0.00000212	<0.00000227	<0.0000136	<0.0000108	<0.00000396	0.00169	<0.0000157	0.000354	<0.0000148	0.0248	0.00118	<0.0000117	0.0185	0.0217
RW-12	11/12/19		0.0000849	<0.00001	<0.00000700	<0.0000083	<0.0000158	<0.00000212	<0.00000227	<0.0000255	<0.0000144	<0.00000454	0.00125	<0.0000165	0.000319	<0.00000739	0.0104	0.000714	<0.0000155	0.00597	0.00660
RW-12	10/30/20		0.0001230	0.0002120	0.000114	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	0.00189	<0.0000270	0.0000461 J	<0.0000158	0.00687	0.000495	<0.0000169	0.00358	0.00384
RW-12	11/10/21		<0.0000190	0.000114	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	0.000700	<0.0000270	<0.0000169	<0.0000158	0.00178	0.000169	<0.0000169	0.00069	0.000627
RW-12	11/8/22		<0.0000190	0.000109	<0.0000171	<0.0000203	<0.0000184	<0.0000168	<0.0000184	<0.0000202	<0.0000179	<0.0000160	0.000478	<0.0000270	0.0000590	<0.0000158	0.00237	0.000204	<0.0000169	0.00194	0.002240

- Notes:
1. Polycyclic Aromatic Hydrocarbons (PAH) analysis by Environmental Protection Agency (EPA) Method SW846-8270C-SIM.
 2. All results reported as mg/L- milligrams per Liter.
 3. < - not detected above the Sample Detection Limit.
 4. J - Denotes an estimated concentration detected above the Sample Detection Limit and below the Method Quantitation Limit.
 5. Yellow shaded cells indicate results exceeding NMWQCC groundwater regulatory limit.
 6. Bold font Indicates laboratory detection.
 7. P&A - Denotes the monitoring well has been plugged and abandoned.
 8. Green shaded cells indicate results meeting EPA and NMWQCC regulatory requirement of 2 consecutive years of PAH compounds below the regulatory limit.
 9. LNAPL - Light non-aqueous phase liquid.
 10. DUP - Duplicate sample.
 11. Regulatory standards of 0.001 mg/L noted above are requirements of the NMOCD. Other standards are required by NMAC 20.6.2.3103 Section A.
 12. Nova Training and Environmental collected samples dated between 2008 and 2010.

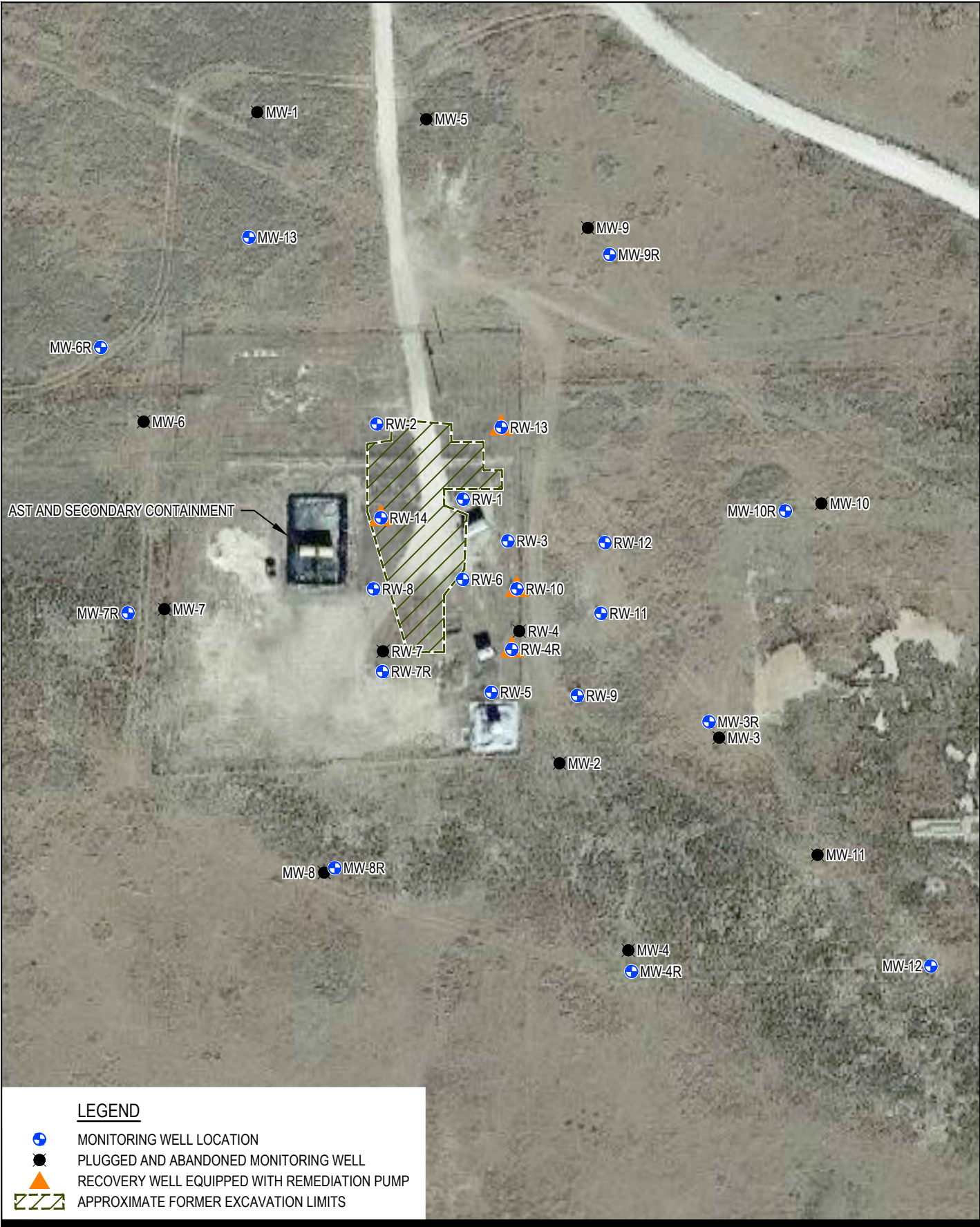


PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
DARR ANGELL #2
NMOCD AP-007

Project No. **12604523**
Date **March 2024**

SITE LOCATION MAP

FIGURE 1



0 50 100 ft

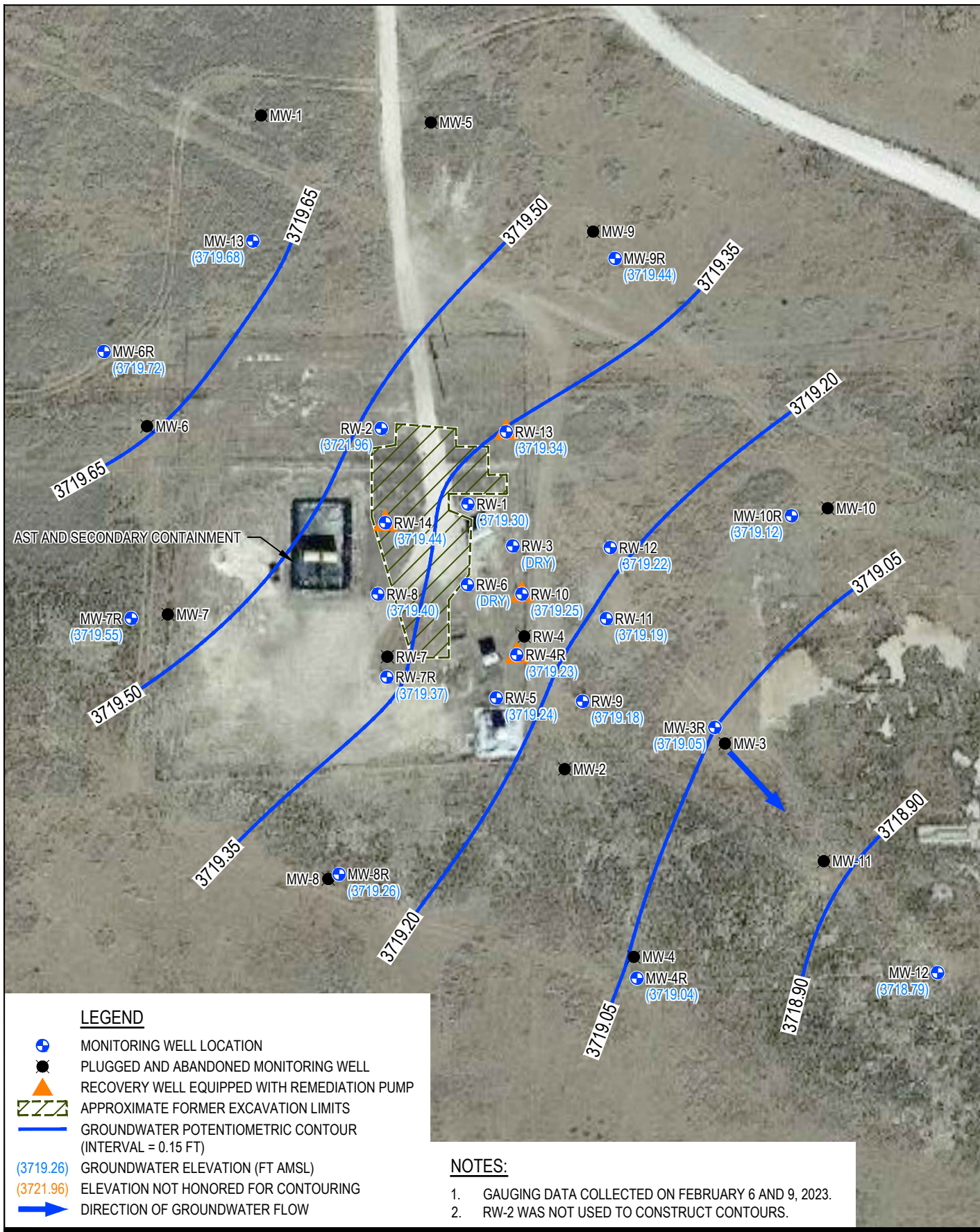
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New Mexico East (US Feet)

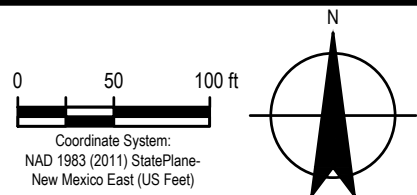
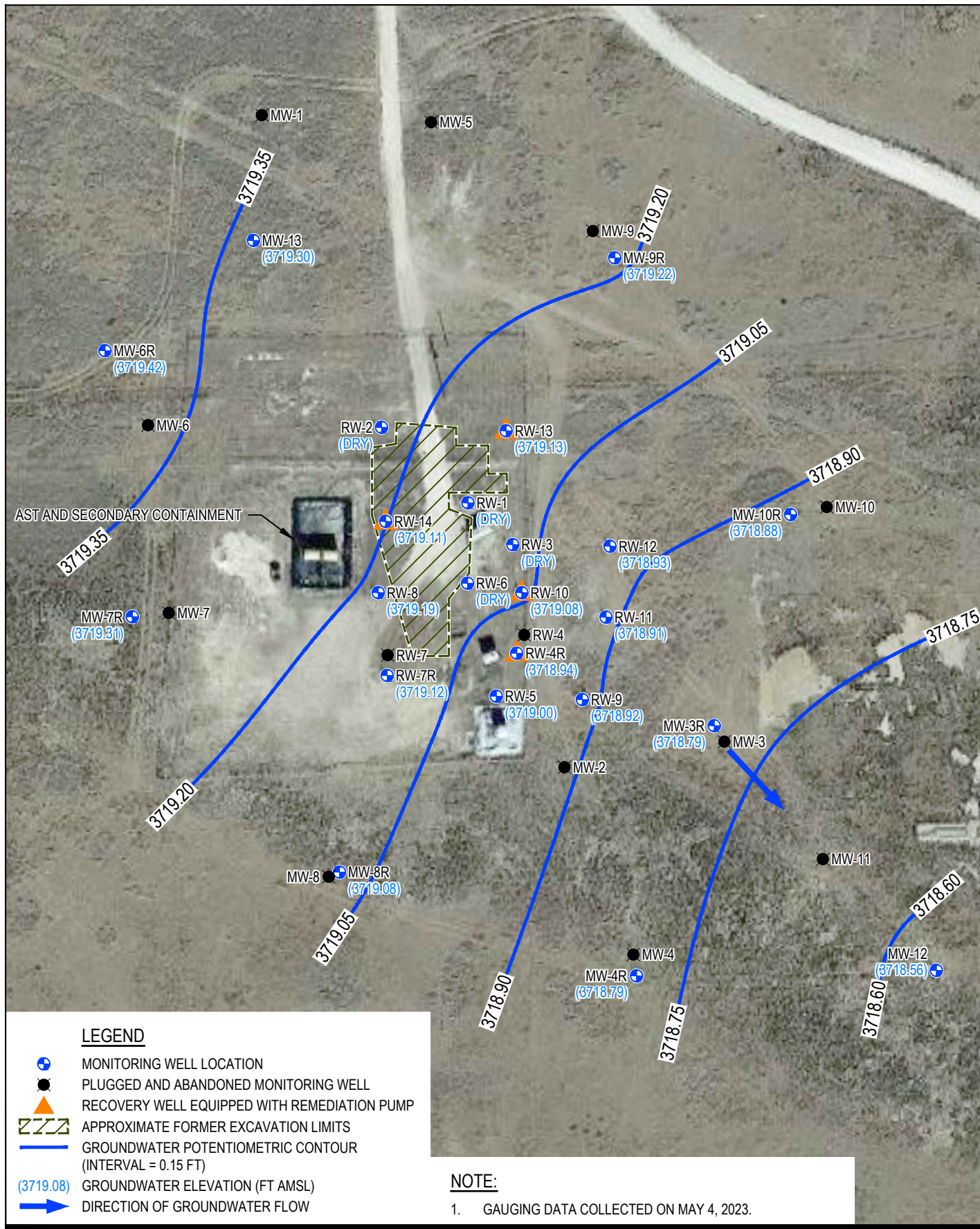
PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
DARR ANGELL #2
NMOCD AP-007

SITE DETAILS MAP

Project No. **12604523**
Date **March 2024**

FIGURE 2



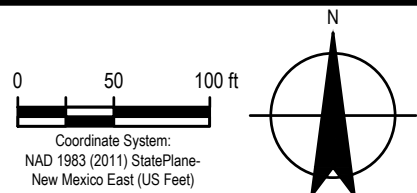
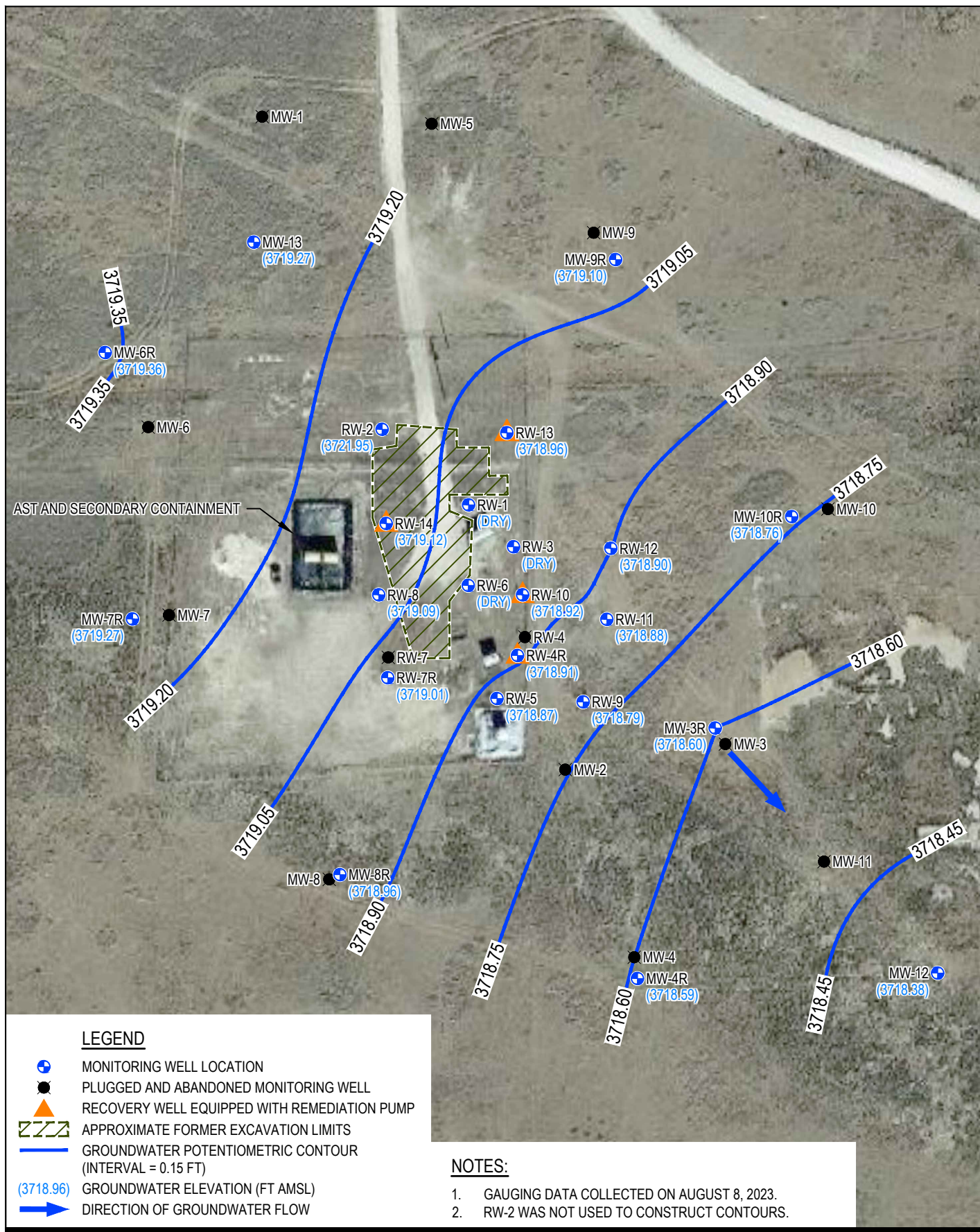


PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
DARR ANGELL #2
NMOC AP-007

**POTENTIOMETRIC SURFACE MAP
(MAY 2023)**

Project No. 12604523
Date March 2024

FIGURE 4

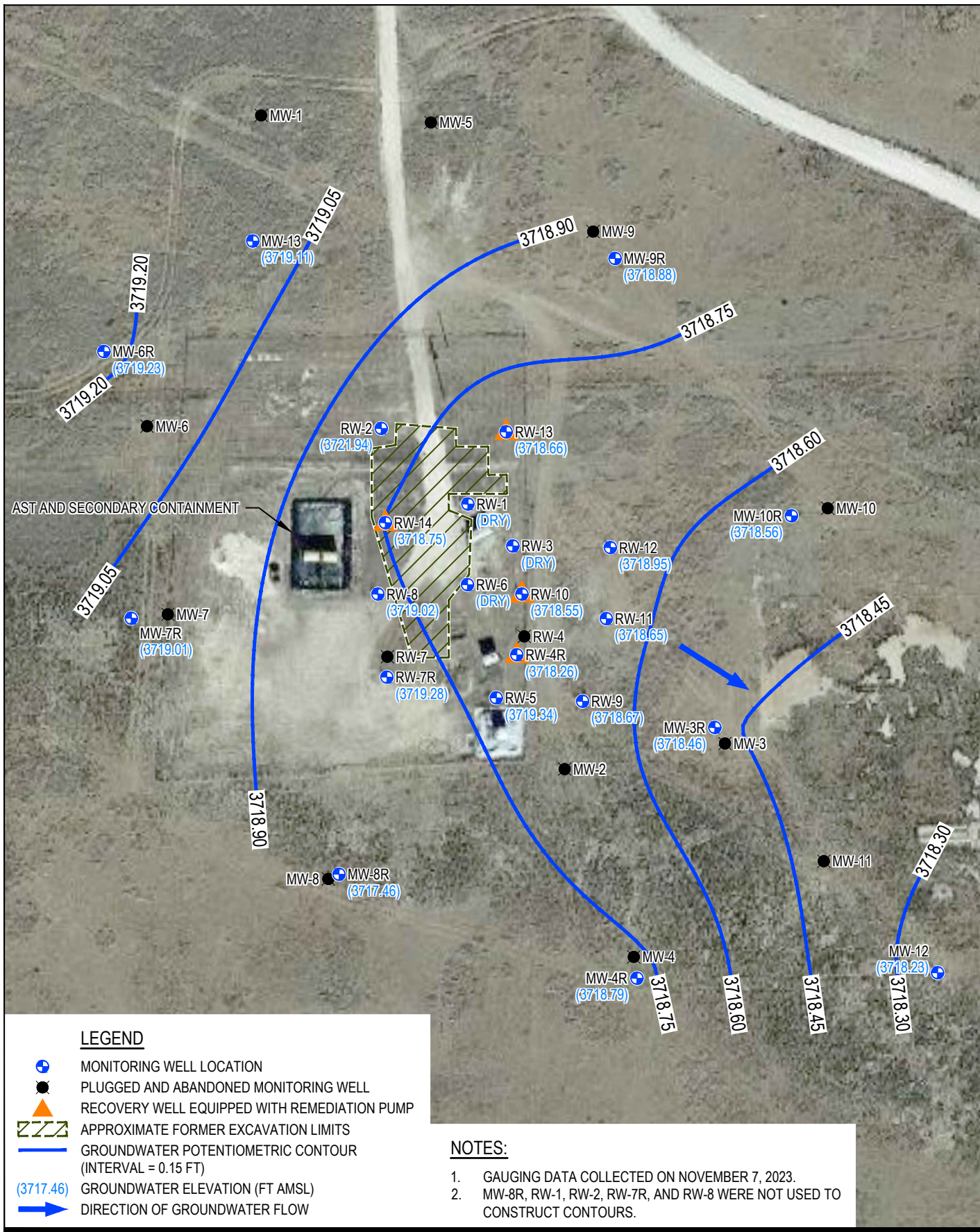


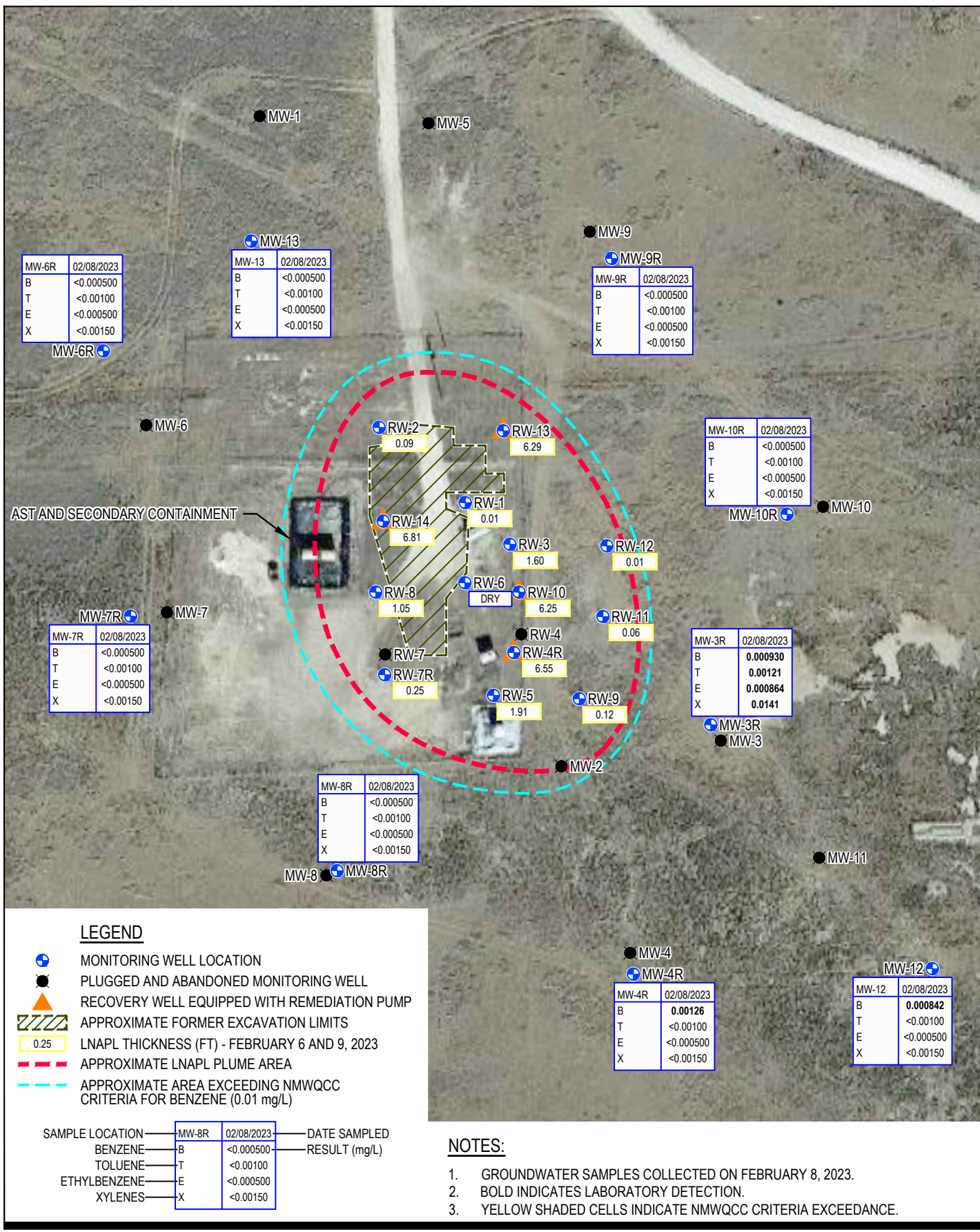
PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
DARR ANGELL #2
NMOC AP-007

**POTENTIOMETRIC SURFACE MAP
(AUGUST 2023)**

Project No. 12604523
Date March 2024

FIGURE 5





0 50 100 ft

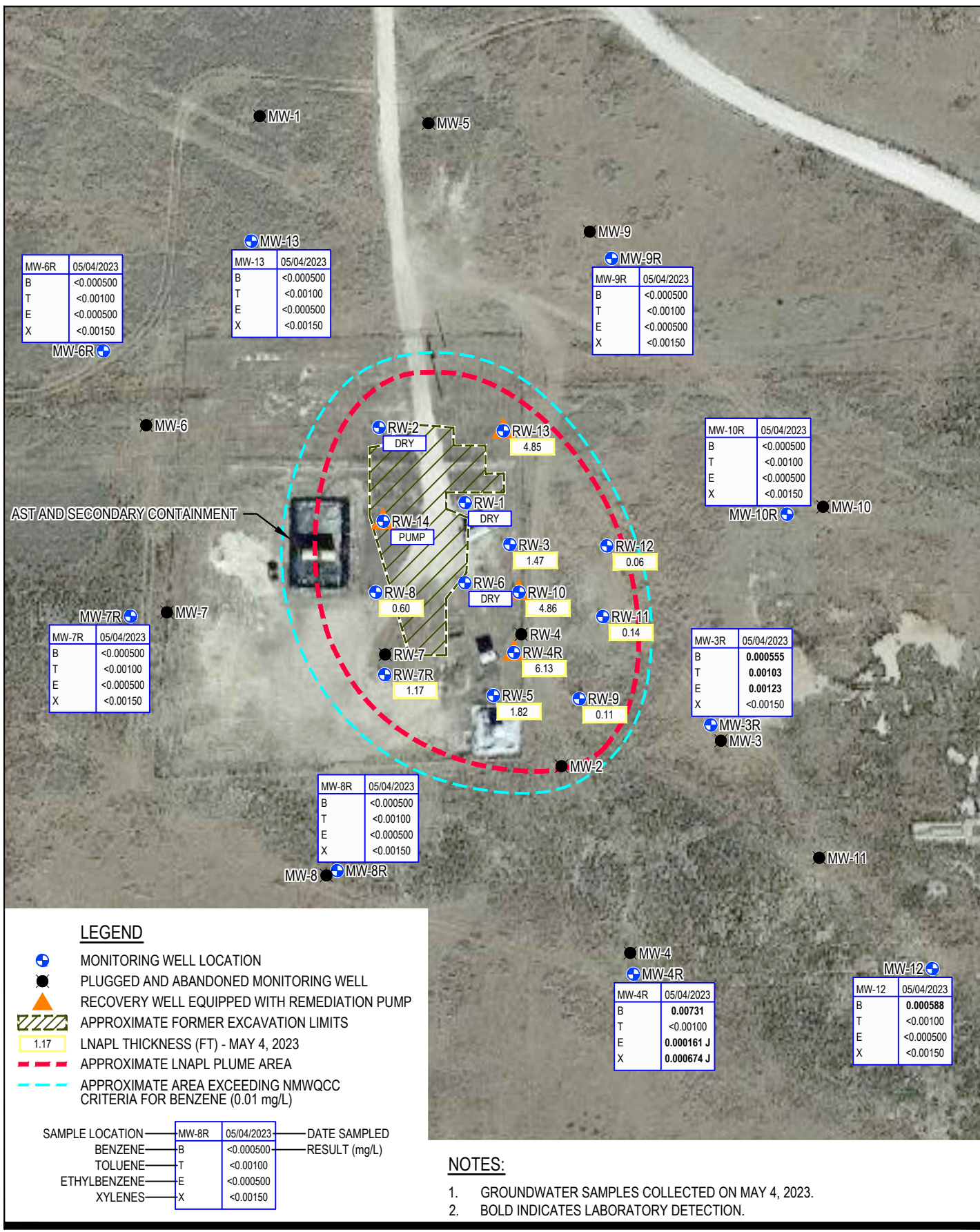
Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

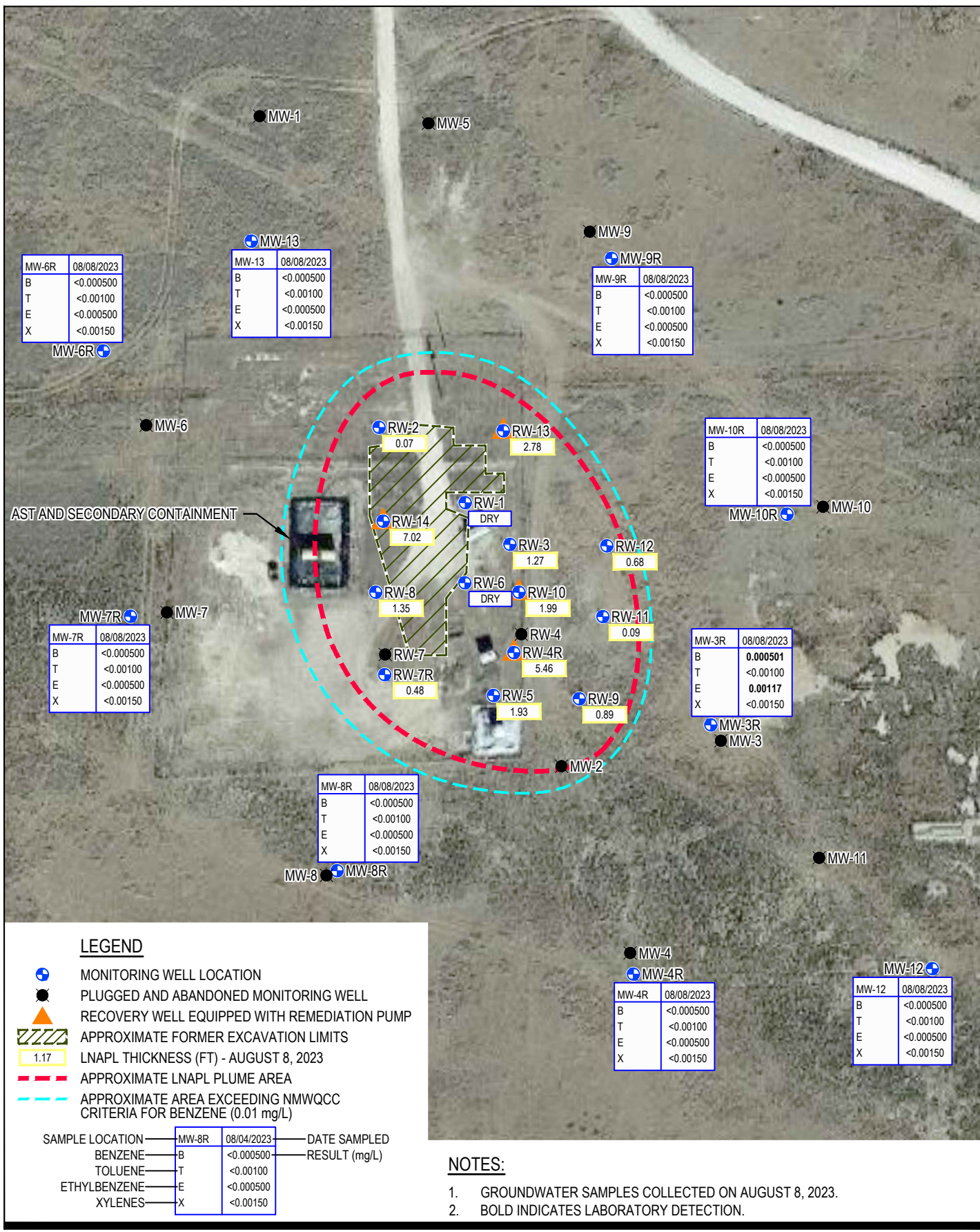
PLAINS ALL AMERICAN PIPELINE, L.P.
LEA COUNTY, NEW MEXICO
DARR ANGELL #2
NMOC AP-007

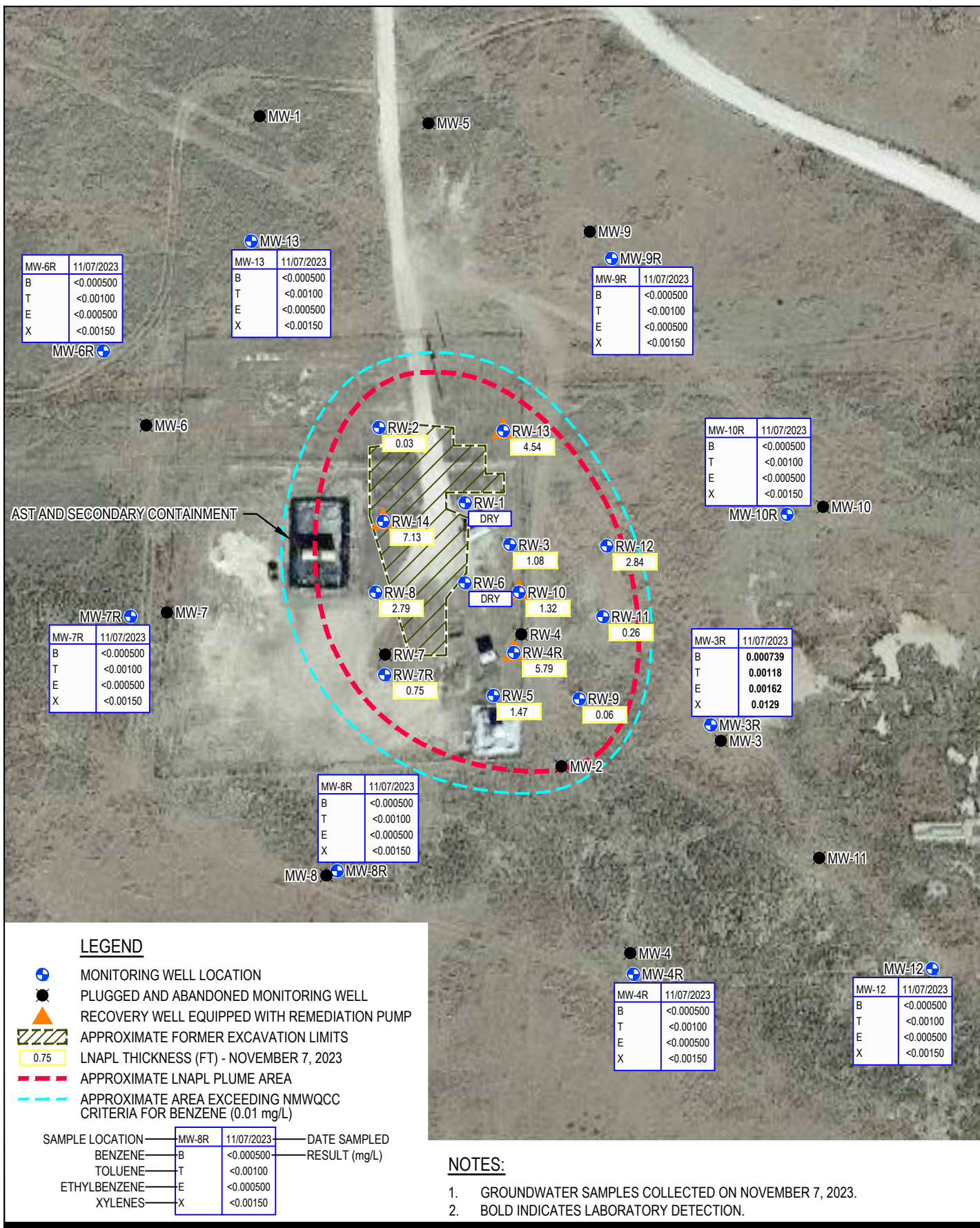
**COC CONCENTRATIONS IN
GROUNDWATER MAP (FEBRUARY 2023)**

Project No. 12604523
Date March 2024

FIGURE 7







Appendices

Appendix A

Release Notification and Corrective Action, Form C-141

Oil Spill Response
 Santa Fe, NM 87505
 District III - (505) 334-6170
 600 Rio Brazos Road
 Santa Fe, NM 87505
 District IV - (505) 827-7131

Oil Spill Response
 2040 South Pacheco Street
 Santa Fe, New Mexico 87505
 (505) 827-7131

Submit 2 copies to
 Appropriate District
 Office in accordance
 with Rule 116 on
 back side of form

STATE Byrd LF 1999-59

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name EOT Energy Pipeline	Contact Lennah Frost
Address PO Box 1660	Telephone No. 915/6843467
Facility Name	Facility Type Pipeline
Surface Owner State of New Mexico	Mineral Owner
Lease No.	

LOCATION OF RELEASE

East/Letter L	Section 32	Township 19S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	---------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

NATURE OF RELEASE

Type of Release Crude oil	Volume of Release 260 bbl/s	Volume Recovered 200 bbl/s
Source of Release Crude oil Pipeline	Date and Hour of Occurrence 7/18/99 1pm	Date and Hour of Discovery 7/18/99 1pm
Are Immediate Notice Covered? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Chris Williams	
By Whom? Lennah Frost	Date and Hour 7/18/99 - 2:30p	
Was a Waterscourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Waterscourse	

If a Waterscourse was impacted, Describe Fully (Attach Additional Sheets if Necessary)

Describe Cause of Problem and Remedial Action Taken (Attach Additional Sheets if Necessary)

Internal Corrosion - Leak clamped off will replace pipe ASAP

Describe Area Affected and Cleanup Action Taken (Attach Additional Sheets if Necessary)

Spill occurred in a previously remediated site. Will evaluate for cleanup this week

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCID rules and regulations all operators are required to report and file certain release notification and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCID marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate circumstances that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCID acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature Lennah Frost	OIL CONSERVATION DIVISION	
Printed Name Lennah Frost	Approved by District Supervisor	Expiration Date
Phone SR. ENV. ENG 7-20-99	Approval Date	Attached ☐
Phone 915/6843467	Credentialed Approval	

Appendix B

Certified Laboratory Analytical Reports



ANALYTICAL REPORT

February 16, 2023

Plains All American, LP - GHD

Sample Delivery Group: L1584735
Samples Received: 02/10/2023
Project Number: SRS #LF 1999-62
Description: Plains/Darr Angell No. 2
Site: SRS #LF 1999-62
Report To: John Ferguson
2135 S Loop 250 W
Midland, TX 79703



Entire Report Reviewed By:

Brittnie L Boyd
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

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	5	
Tr: TRRP Summary	6	³ Ss
TRRP form R	7	
TRRP form S	8	⁴ Cn
TRRP Exception Reports	9	⁵ Tr
Sr: Sample Results	10	⁶ Sr
D2-MW-13-020823 L1584735-01	10	
D2-DUP-1-020823 L1584735-02	11	⁷ Qc
D2-MW-6R-020823 L1584735-03	12	
D2-MW-7R-020823 L1584735-04	13	⁸ Gl
D2-MW-8R-020823 L1584735-05	14	
D2-MW-4R-020823 L1584735-06	15	⁹ Al
D2-MW-12-020823 L1584735-07	16	
D2-MW-3R-020823 L1584735-08	17	¹⁰ Sc
D2-MW-10R-020823 L1584735-09	18	
D2-MW-9R-020823 L1584735-10	19	
TRIP BLANK L1584735-11	20	
Qc: Quality Control Summary	21	
Volatile Organic Compounds (GC) by Method 8021B	21	
Gl: Glossary of Terms	23	
Al: Accreditations & Locations	24	
Sc: Sample Chain of Custody	25	

D2-MW-13-020823 L1584735-01 GW

				Collected by JM / HB	Collected date/time 02/08/23 11:30	Received date/time 02/10/23 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2005144	1	02/14/23 02:05	02/14/23 02:05	ACG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

D2-DUP-1-020823 L1584735-02 GW

				Collected by JM / HB	Collected date/time 02/08/23 00:00	Received date/time 02/10/23 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2005144	1	02/14/23 04:17	02/14/23 04:17	ACG	Mt. Juliet, TN

⁴Cn

⁵Tr

D2-MW-6R-020823 L1584735-03 GW

				Collected by JM / HB	Collected date/time 02/08/23 12:30	Received date/time 02/10/23 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2005144	1	02/14/23 04:44	02/14/23 04:44	ACG	Mt. Juliet, TN

⁶Sr

⁷Qc

D2-MW-7R-020823 L1584735-04 GW

				Collected by JM / HB	Collected date/time 02/08/23 13:00	Received date/time 02/10/23 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2005144	1	02/14/23 05:11	02/14/23 05:11	ACG	Mt. Juliet, TN

⁸Gl

⁹Al

D2-MW-8R-020823 L1584735-05 GW

				Collected by JM / HB	Collected date/time 02/08/23 13:30	Received date/time 02/10/23 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2005144	1	02/14/23 05:37	02/14/23 05:37	ACG	Mt. Juliet, TN

¹⁰Sc

D2-MW-4R-020823 L1584735-06 GW

				Collected by JM / HB	Collected date/time 02/08/23 13:45	Received date/time 02/10/23 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2005144	1	02/14/23 06:04	02/14/23 06:04	ACG	Mt. Juliet, TN

D2-MW-12-020823 L1584735-07 GW

				Collected by JM / HB	Collected date/time 02/08/23 14:00	Received date/time 02/10/23 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2005144	1	02/14/23 06:30	02/14/23 06:30	ACG	Mt. Juliet, TN

D2-MW-3R-020823 L1584735-08 GW

				Collected by JM / HB	Collected date/time 02/08/23 14:20	Received date/time 02/10/23 10:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2005144	1	02/14/23 06:56	02/14/23 06:56	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2006418	1	02/15/23 12:50	02/15/23 12:50	KSD	Mt. Juliet, TN

D2-MW-10R-020823 L1584735-09 GW

Collected by
JM / HB

Collected date/time
02/08/23 15:00

Received date/time
02/10/23 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2005144	1	02/14/23 07:23	02/14/23 07:23	ACG	Mt. Juliet, TN

¹Cp

²Tc

³Ss

D2-MW-9R-020823 L1584735-10 GW

Collected by
JM / HB

Collected date/time
02/08/23 15:15

Received date/time
02/10/23 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2005144	1	02/14/23 07:49	02/14/23 07:49	ACG	Mt. Juliet, TN

⁴Cn

⁵Tr

⁶Sr

TRIP BLANK L1584735-11 GW

Collected by
JM / HB

Collected date/time
02/08/23 00:00

Received date/time
02/10/23 10:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2005144	1	02/13/23 17:03	02/13/23 17:03	ACG	Mt. Juliet, TN

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

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.



Brittnie L Boyd
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Tr

⁶ Sr

⁷ Qc

⁸ Gl

⁹ Al

¹⁰ Sc

Laboratory Data Package Cover Page

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

- R1 - Field chain-of-custody documentation;
- R2 - Sample identification cross-reference;
- R3 - Test reports (analytical data sheets) for each environmental sample that includes:
 - a. Items consistent with NELAC Chapter 5,
 - b. dilution factors,
 - c. preparation methods,
 - d. cleanup methods, and
 - e. if required for the project, tentatively identified compounds (TICs).
- R4 - Surrogate recovery data including:
 - a. Calculated recovery (%R), and
 - b. The laboratory's surrogate QC limits.
- R5 - Test reports/summary forms for blank samples;
- R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
 - a. LCS spiking amounts,
 - b. Calculated %R for each analyte, and
 - c. The laboratory's LCS QC limits.
- R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a. Samples associated with the MS/MSD clearly identified,
 - b. MS/MSD spiking amounts,
 - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d. Calculated %Rs and relative percent differences (RPDs), and
 - e. The laboratory's MS/MSD QC limits
- R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
 - a. The amount of analyte measured in the duplicate,
 - b. The calculated RPD, and
 - c. The laboratory's QC limits for analytical duplicates.
- R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 - Other problems or anomalies.

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



Brittnie L Boyd
Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National			LRC Date: 02/16/2023 11:40				
Project Name: Plains/Darr Angell No. 2			Laboratory Job Number: L1584735-01, 02, 03, 04, 05, 06, 07, 08, 09, 10 and 11				
Reviewer Name: Brittanie L Boyd			Prep Batch Number(s): WG2005144 and WG2006418				
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

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

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National			LRC Date: 02/16/2023 11:40				
Project Name: Plains/Darr Angell No. 2			Laboratory Job Number: L1584735-01, 02, 03, 04, 05, 06, 07, 08, 09, 10 and 11				
Reviewer Name: Brittanie L Boyd			Prep Batch Number(s): WG2005144 and WG2006418				
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				
1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period. 2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable); 3. NA = Not applicable; 4. NR = Not reviewed; 5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).							

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National		LRC Date: 02/16/2023 11:40	
Project Name: Plains/Darr Angell No. 2		Laboratory Job Number: L1584735-01, 02, 03, 04, 05, 06, 07, 08, 09, 10 and 11	
Reviewer Name: Brittanie L Boyd		Prep Batch Number(s): WG2005144 and WG2006418	
ER # ¹	Description		
The Exception Report intentionally left blank, there are no exceptions applied to this SDG.			
1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period. 2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable); 3. NA = Not applicable; 4. NR = Not reviewed; 5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).			

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/14/2023 02:05	WG2005144
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2023 02:05	WG2005144
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2023 02:05	WG2005144
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2023 02:05	WG2005144
(S) a,a,a-Trifluorotoluene(PID)	106				79.0-125		02/14/2023 02:05	WG2005144

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/14/2023 04:17	WG2005144
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2023 04:17	WG2005144
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2023 04:17	WG2005144
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2023 04:17	WG2005144
(S) a,a,a-Trifluorotoluene(PID)	107				79.0-125		02/14/2023 04:17	WG2005144

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/14/2023 04:44	WG2005144
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2023 04:44	WG2005144
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2023 04:44	WG2005144
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2023 04:44	WG2005144
(S) a,a,a-Trifluorotoluene(PID)	107				79.0-125		02/14/2023 04:44	WG2005144

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/14/2023 05:11	WG2005144
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2023 05:11	WG2005144
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2023 05:11	WG2005144
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2023 05:11	WG2005144
(S) a,a,a-Trifluorotoluene(PID)	107				79.0-125		02/14/2023 05:11	WG2005144

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/14/2023 05:37	WG2005144
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2023 05:37	WG2005144
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2023 05:37	WG2005144
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2023 05:37	WG2005144
(S) a,a,a-Trifluorotoluene(PID)	106				79.0-125		02/14/2023 05:37	WG2005144

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00126		0.000190	0.000500	0.000500	1	02/14/2023 06:04	WG2005144
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2023 06:04	WG2005144
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2023 06:04	WG2005144
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2023 06:04	WG2005144
(S) a,a,a-Trifluorotoluene(PID)	107				79.0-125		02/14/2023 06:04	WG2005144

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000842		0.000190	0.000500	0.000500	1	02/14/2023 06:30	WG2005144
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2023 06:30	WG2005144
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2023 06:30	WG2005144
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2023 06:30	WG2005144
(S) a,a,a-Trifluorotoluene(PID)	105				79.0-125		02/14/2023 06:30	WG2005144

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000930		0.000190	0.000500	0.000500	1	02/14/2023 06:56	WG2005144
Toluene	0.00121		0.000412	0.00100	0.00100	1	02/14/2023 06:56	WG2005144
Ethylbenzene	0.000864		0.000160	0.000500	0.000500	1	02/15/2023 12:50	WG2006418
Total Xylene	0.0141		0.000510	0.00150	0.00150	1	02/14/2023 06:56	WG2005144
(S) a,a,a-Trifluorotoluene(PID)	106				79.0-125		02/14/2023 06:56	WG2005144
(S) a,a,a-Trifluorotoluene(PID)	99.4				79.0-125		02/15/2023 12:50	WG2006418

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/14/2023 07:23	WG2005144
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2023 07:23	WG2005144
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2023 07:23	WG2005144
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2023 07:23	WG2005144
(S) a,a,a-Trifluorotoluene(PID)	107				79.0-125		02/14/2023 07:23	WG2005144

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	SDL mg/l	Unadj. MQL mg/l	MQL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	0.000500	1	02/14/2023 07:49	WG2005144
Toluene	U		0.000412	0.00100	0.00100	1	02/14/2023 07:49	WG2005144
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/14/2023 07:49	WG2005144
Total Xylene	U		0.000510	0.00150	0.00150	1	02/14/2023 07:49	WG2005144
(S) a,a,a-Trifluorotoluene(PID)	107				79.0-125		02/14/2023 07:49	WG2005144

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Collected date/time: 02/08/23 00:00

L1584735

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result	Qualifier	SDL	Unadj. MQL	MQL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l	mg/l		date / time	
Benzene	U		0.000190	0.000500	0.000500	1	02/13/2023 17:03	WG2005144
Toluene	U		0.000412	0.00100	0.00100	1	02/13/2023 17:03	WG2005144
Ethylbenzene	U		0.000160	0.000500	0.000500	1	02/13/2023 17:03	WG2005144
Total Xylene	U		0.000510	0.00150	0.00150	1	02/13/2023 17:03	WG2005144
(S) a,a,a-Trifluorotoluene(PID)	106				79.0-125		02/13/2023 17:03	WG2005144

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

Volatile Organic Compounds (GC) by Method 8021B

[L1584735-01,02,03,04,05,06,07,08,09,10,11](#)

Method Blank (MB)

(MB) R3891021-2 02/13/23 15:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	106			79.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Tr

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R3891021-1 02/13/23 14:31

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0529	106	77.0-122	
Toluene	0.0500	0.0521	104	80.0-121	
Ethylbenzene	0.0500	0.0561	112	80.0-123	
Total Xylene	0.150	0.166	111	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			105	79.0-125	

Volatile Organic Compounds (GC) by Method 8021B

[L1584735-08](#)

Method Blank (MB)

(MB) R3891423-3 02/15/23 11:35

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Ethylbenzene	U		0.000160	0.000500
(S) a,a,a-Trifluorotoluene(PID)	100			79.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Tr

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Laboratory Control Sample (LCS)

(LCS) R3891423-1 02/15/23 09:04

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Ethylbenzene	0.0500	0.0552	110	80.0-123	
(S) a,a,a-Trifluorotoluene(PID)			100	79.0-125	

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.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
(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.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
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.

QualifierDescription

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

1Cp

2Tc

3Ss

4Cn

5Tr

6Sr

7Qc

8Gl

9Al

10Sc

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.

¹Cp

²Tc

³Ss

⁴Cn

⁵Tr

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

Plains All American, LP - GHD

2135 S Loop 250 W
Midland, TX 79703

Billing Information:

Accounts Payable
505 N. Big Spring, Ste. 600
Midland, TX 79701Pres
Chk

Analysis / Container / Preservative

Chain of Custody



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/hubs/pas-standard-terms.pdf>

SDG #

L158 4735
D020

Acctnum: PLAINSGHD

Template: T223529

Pregoin: P977436

PM: 829 - Brittne L Boyd

PB:

Shipped Via:

Remarks

Sample # (lab only)

Report to:

John Ferguson

Email To:

Christopher.Knight@ghd.com;john.fergerson@g

Project Description:

Plains/Darr Angell No. 2

City/State
Collected:

Lea County / NM

Please Circle:

PT MT ☒ ET

Phone: 432-686-0086

Client Project #

SRS #LF 1999-62

Lab Project #

PLAINSGHD-FERGERSO

Collected by (print):

Joe Muehle
Hector Drosco

Site/Facility ID #

SRS #LF 1999-62

P.O. #

Collected by (signature):

Joe Muehle

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

Per S&W

No.
of
Cntrs

Immediately

Packed on Ice N ☐ Y ☒

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

D2-MW-13-020823	G	GW	N/A	2-8-23	1130	3	X
D2-DAP-1-020823	G	GW	N/A	2-8-23	-	3	X
D2-MW-6R-020823	G	GW	N/A	2-8-23	1230	3	X
D2-MW-7R-020823	G	GW	N/A	2-8-23	1300	3	X
D2-MW-8R-020823	G	GW	N/A	2-8-23	1330	3	X
D2-MW-4R-020823	G	GW	N/A	2-8-23	1345	X	X
D2-MW-12-020823	G	GW	N/A	2-8-23	1400	X	X
D2-MW-3R-020823	G	GW	N/A	2-8-23	1420	X	X
D2-MW-10R-020823	G	GW	N/A	2-8-23	1500	X	X
D2-MW-9R-020823	G	GW	N/A	2-8-23	1515		

* Matrix:

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

Remarks: Include 1 trip blank in cooler

1) invoice/bill Camille Bryant, 2) report to S&W, 3) Flag estimated concentrations
4) Lab Project # PLAINSGHD-12572707

Samples returned via:

☐ UPS ☐ FedEx ☐ Courier

Tracking #

pH _____ Temp _____

Flow _____ Other _____

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)

Joe Muehle

Date:

2-9-23

Time:

0600

Received by: (Signature)

Kendall Humphrey

Trip Blank Received: Yes ☒ No ☐BCL/ MeOH
TBR

Relinquished by: (Signature)

Date:

Time:

Received by: (Signature)

Temp: 5A6 °C

Bottles Received: 30

If preservation required by Login: Date/Time

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

Date: 2-10-23

Time: 1030

Hold:

Condition:

NCF 10 OK

10/10/2023 10:10:10 AM
10/10/2023 10:10:10 AM

Released to Imaging: 7/24/2024 2:17:18 PM



ANALYTICAL REPORT

May 19, 2023

Plains All American, LP - GHD

Sample Delivery Group: L1614175
Samples Received: 05/09/2023
Project Number: SRS #LF 1999-62
Description: Plains/Darr Angell No. 2
Site: SRS #LF 1999-62
Report To: Becky Haskell
2135 S Loop 250 W
Midland, TX 79703

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

Entire Report Reviewed By:

A handwritten signature in blue ink that reads "Brittnie Boyd".

Brittnie L Boyd
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 National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1	1 Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	2 Tc
Cn: Case Narrative	5	
Sr: Sample Results	6	3 Ss
D2-MW-6R-050423 L1614175-01	6	
D2-MW-7R-050423 L1614175-02	7	4 Cn
D2-MW-8R-050423 L1614175-03	8	5 Sr
D2-MW-9R-050423 L1614175-04	9	
D2-MW-10R-050423 L1614175-05	10	6 Qc
D2-MW-13-050423 L1614175-06	11	
D2-MW-3R-050423 L1614175-07	12	7 Gl
D2-MW-4R-050423 L1614175-08	13	8 Al
D2-MW-12-050423 L1614175-09	14	
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TRIP BLANK L1614175-11	16	
Qc: Quality Control Summary	17	
Volatile Organic Compounds (GC) by Method 8021B	17	
Gl: Glossary of Terms	18	
Al: Accreditations & Locations	19	
Sc: Sample Chain of Custody	20	

D2-MW-6R-050423 L1614175-01 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2059426	1	05/13/23 12:18	05/13/23 12:18	ACG	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

D2-MW-7R-050423 L1614175-02 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2059426	1	05/13/23 12:40	05/13/23 12:40	ACG	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

D2-MW-8R-050423 L1614175-03 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2059426	1	05/13/23 13:02	05/13/23 13:02	ACG	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

D2-MW-9R-050423 L1614175-04 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2059426	1	05/13/23 13:24	05/13/23 13:24	ACG	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

D2-MW-10R-050423 L1614175-05 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2059426	1	05/13/23 13:46	05/13/23 13:46	ACG	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

D2-MW-13-050423 L1614175-06 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2059426	1	05/13/23 14:08	05/13/23 14:08	ACG	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

D2-MW-3R-050423 L1614175-07 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2059426	1	05/13/23 14:30	05/13/23 14:30	ACG	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

D2-MW-4R-050423 L1614175-08 GW

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2059426	1	05/13/23 14:52	05/13/23 14:52	ACG	Mt. Juliet, TN

Collected by
Collected date/time
Received date/time

D2-MW-12-050423 L1614175-09 GW

				Collected by	Collected date/time	Received date/time
					05/04/23 12:15	05/09/23 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2059426	1	05/13/23 15:14	05/13/23 15:14	ACG	Mt. Juliet, TN

¹Cp

²Tc

D2-DUP1-050423 L1614175-10 GW

				Collected by	Collected date/time	Received date/time
					05/04/23 00:00	05/09/23 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2059426	1	05/13/23 15:36	05/13/23 15:36	ACG	Mt. Juliet, TN

³Ss

⁴Cn

⁵Sr

TRIP BLANK L1614175-11 GW

				Collected by	Collected date/time	Received date/time
					05/04/23 00:00	05/09/23 09:30
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2059426	1	05/13/23 11:34	05/13/23 11:34	ACG	Mt. Juliet, TN

⁶Qc

⁷Gl

⁸Al

⁹Sc

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.



Brittnie L Boyd
Project Manager

Sample Delivery Group (SDG) Narrative

pH outside of method requirement.

Lab Sample ID	Project Sample ID	Method
L1614175-05	D2-MW-10R-050423	8021B
L1614175-07	D2-MW-3R-050423	8021B
L1614175-08	D2-MW-4R-050423	8021B

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	05/13/2023 12:18	WG2059426
Toluene	U		0.000412	0.00100	1	05/13/2023 12:18	WG2059426
Ethylbenzene	U		0.000160	0.000500	1	05/13/2023 12:18	WG2059426
Total Xylene	U		0.000510	0.00150	1	05/13/2023 12:18	WG2059426
(S) a,a,a-Trifluorotoluene(PID)	93.9			79.0-125		05/13/2023 12:18	WG2059426

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 05/04/23 10:30

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	05/13/2023 12:40	WG2059426
Toluene	U		0.000412	0.00100	1	05/13/2023 12:40	WG2059426
Ethylbenzene	U		0.000160	0.000500	1	05/13/2023 12:40	WG2059426
Total Xylene	U		0.000510	0.00150	1	05/13/2023 12:40	WG2059426
(S) a,a,a-Trifluorotoluene(PID)	94.2			79.0-125		05/13/2023 12:40	WG2059426

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 05/04/23 10:45

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	05/13/2023 13:02	WG2059426
Toluene	U		0.000412	0.00100	1	05/13/2023 13:02	WG2059426
Ethylbenzene	U		0.000160	0.000500	1	05/13/2023 13:02	WG2059426
Total Xylene	U		0.000510	0.00150	1	05/13/2023 13:02	WG2059426
(S) a,a,a-Trifluorotoluene(PID)	94.0			79.0-125		05/13/2023 13:02	WG2059426

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	05/13/2023 13:24	WG2059426
Toluene	U		0.000412	0.00100	1	05/13/2023 13:24	WG2059426
Ethylbenzene	U		0.000160	0.000500	1	05/13/2023 13:24	WG2059426
Total Xylene	U		0.000510	0.00150	1	05/13/2023 13:24	WG2059426
(S) a,a,a-Trifluorotoluene(PID)	94.0			79.0-125		05/13/2023 13:24	WG2059426

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 05/04/23 11:15

L1614175

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	05/13/2023 13:46	WG2059426
Toluene	U		0.000412	0.00100	1	05/13/2023 13:46	WG2059426
Ethylbenzene	U		0.000160	0.000500	1	05/13/2023 13:46	WG2059426
Total Xylene	U		0.000510	0.00150	1	05/13/2023 13:46	WG2059426
(S) a,a,a-Trifluorotoluene(PID)	94.3			79.0-125		05/13/2023 13:46	WG2059426

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	05/13/2023 14:08	WG2059426
Toluene	U		0.000412	0.00100	1	05/13/2023 14:08	WG2059426
Ethylbenzene	U		0.000160	0.000500	1	05/13/2023 14:08	WG2059426
Total Xylene	U		0.000510	0.00150	1	05/13/2023 14:08	WG2059426
(S) a,a,a-Trifluorotoluene(PID)	94.3			79.0-125		05/13/2023 14:08	WG2059426

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000555		0.000190	0.000500	1	05/13/2023 14:30	WG2059426
Toluene	0.00103		0.000412	0.00100	1	05/13/2023 14:30	WG2059426
Ethylbenzene	0.00123		0.000160	0.000500	1	05/13/2023 14:30	WG2059426
Total Xylene	U		0.000510	0.00150	1	05/13/2023 14:30	WG2059426
(S) a,a,a-Trifluorotoluene(PID)	93.1			79.0-125		05/13/2023 14:30	WG2059426

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.00731		0.000190	0.000500	1	05/13/2023 14:52	WG2059426
Toluene	U		0.000412	0.00100	1	05/13/2023 14:52	WG2059426
Ethylbenzene	0.000161	J	0.000160	0.000500	1	05/13/2023 14:52	WG2059426
Total Xylene	0.000674	J	0.000510	0.00150	1	05/13/2023 14:52	WG2059426
(S) a,a,a-Trifluorotoluene(PID)	92.1			79.0-125		05/13/2023 14:52	WG2059426

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000588		0.000190	0.000500	1	05/13/2023 15:14	WG2059426
Toluene	U		0.000412	0.00100	1	05/13/2023 15:14	WG2059426
Ethylbenzene	U		0.000160	0.000500	1	05/13/2023 15:14	WG2059426
Total Xylene	U		0.000510	0.00150	1	05/13/2023 15:14	WG2059426
(S) a,a,a-Trifluorotoluene(PID)	92.5			79.0-125		05/13/2023 15:14	WG2059426

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 05/04/23 00:00

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000529		0.000190	0.000500	1	05/13/2023 15:36	WG2059426
Toluene	0.00101		0.000412	0.00100	1	05/13/2023 15:36	WG2059426
Ethylbenzene	0.00123		0.000160	0.000500	1	05/13/2023 15:36	WG2059426
Total Xylene	U		0.000510	0.00150	1	05/13/2023 15:36	WG2059426
(S) a,a,a-Trifluorotoluene(PID)	92.8			79.0-125		05/13/2023 15:36	WG2059426

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 05/04/23 00:00

L1614175

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	U		0.000190	0.000500	1	05/13/2023 11:34	WG2059426
Toluene	U		0.000412	0.00100	1	05/13/2023 11:34	WG2059426
Ethylbenzene	U		0.000160	0.000500	1	05/13/2023 11:34	WG2059426
Total Xylene	U		0.000510	0.00150	1	05/13/2023 11:34	WG2059426
(S) a,a,a-Trifluorotoluene(PID)	93.0			79.0-125		05/13/2023 11:34	WG2059426

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

[L1614175-01,02,03,04,05,06,07,08,09,10,11](#)

Method Blank (MB)

(MB) R3926523-2 05/13/23 09:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	93.2			79.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3926523-1 05/13/23 07:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0529	106	77.0-122	
Toluene	0.0500	0.0516	103	80.0-121	
Ethylbenzene	0.0500	0.0563	113	80.0-123	
Total Xylene	0.150	0.164	109	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			91.0	79.0-125	

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.
U	Not detected at the Reporting Limit (or MDL where applicable).
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.

QualifierDescription

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Released to Imaging: 7/24/2024 2:17:18 PM

Released to Imaging: 7/24/2024 2:17:18 PM



ANALYTICAL REPORT

August 18, 2023

Plains All American, LP - GHD

Sample Delivery Group: L1644798
Samples Received: 08/11/2023
Project Number: SRS #LF 1999-62
Description: Plains/Darr Angell No. 2
Site: SRS #LF 1999-62
Report To: John Fergerson
2135 S Loop 250 W
Midland, TX 79703

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Entire Report Reviewed By:

A handwritten signature in blue ink that reads "Brittnie Boyd".

Brittnie L Boyd
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 National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1	1 Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	2 Tc
Cn: Case Narrative	5	
Sr: Sample Results	6	3 Ss
D2-(MW-13)-08082023 L1644798-01	6	
D2-(MW-6R)-08082023 L1644798-02	7	4 Cn
D2-(MW-7R)-08082023 L1644798-03	8	5 Sr
D2-(MW-8R)-08082023 L1644798-04	9	
D2-(MW-4R)-08082023 L1644798-05	10	6 Qc
D2-(MW-12)-08082023 L1644798-06	11	
D2-(MW-3R)-08082023 L1644798-07	12	7 Gl
D2-(MW-10R)-08082023 L1644798-08	13	8 Al
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D2-(MW-13)-08082023 L1644798-01 GW

Collected by Hector Orosco
Collected date/time 08/08/23 09:45
Received date/time 08/11/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2112752	1	08/12/23 16:45	08/12/23 16:45	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG2115330	1	08/17/23 05:24	08/17/23 05:24	ADM	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

D2-(MW-6R)-08082023 L1644798-02 GW

Collected by Hector Orosco
Collected date/time 08/08/23 10:00
Received date/time 08/11/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2112752	1	08/12/23 17:07	08/12/23 17:07	ACG	Mt. Juliet, TN

D2-(MW-7R)-08082023 L1644798-03 GW

Collected by Hector Orosco
Collected date/time 08/08/23 10:30
Received date/time 08/11/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2112752	1	08/12/23 17:30	08/12/23 17:30	ACG	Mt. Juliet, TN

D2-(MW-8R)-08082023 L1644798-04 GW

Collected by Hector Orosco
Collected date/time 08/08/23 10:45
Received date/time 08/11/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2112752	1	08/12/23 17:52	08/12/23 17:52	ACG	Mt. Juliet, TN

D2-(MW-4R)-08082023 L1644798-05 GW

Collected by Hector Orosco
Collected date/time 08/08/23 11:15
Received date/time 08/11/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2112752	1	08/12/23 18:15	08/12/23 18:15	ACG	Mt. Juliet, TN

D2-(MW-12)-08082023 L1644798-06 GW

Collected by Hector Orosco
Collected date/time 08/08/23 11:30
Received date/time 08/11/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2112752	1	08/12/23 18:37	08/12/23 18:37	ACG	Mt. Juliet, TN

D2-(MW-3R)-08082023 L1644798-07 GW

Collected by Hector Orosco
Collected date/time 08/08/23 12:00
Received date/time 08/11/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2112752	1	08/12/23 18:59	08/12/23 18:59	ACG	Mt. Juliet, TN

D2-(MW-10R)-08082023 L1644798-08 GW

Collected by Hector Orosco
Collected date/time 08/08/23 12:45
Received date/time 08/11/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2112752	1	08/12/23 19:21	08/12/23 19:21	ACG	Mt. Juliet, TN

D2-(MW-9R)-08082023 L1644798-09 GW

Collected by Hector Orosco
Collected date/time 08/08/23 13:15
Received date/time 08/11/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2112752	1	08/12/23 19:44	08/12/23 19:44	ACG	Mt. Juliet, TN

¹Cp

²Tc

D2-(DUP-1)-08082023 L1644798-10 GW

Collected by Hector Orosco
Collected date/time 08/08/23 00:00
Received date/time 08/11/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2112752	1	08/12/23 20:06	08/12/23 20:06	ACG	Mt. Juliet, TN

³Ss

⁴Cn

⁵Sr

TRIPBLANK L1644798-11 GW

Collected by Hector Orosco
Collected date/time 08/08/23 00:00
Received date/time 08/11/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2112752	1	08/12/23 14:30	08/12/23 14:30	ACG	Mt. Juliet, TN

⁶Qc

⁷Gl

⁸Al

⁹Sc

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.



Brittnie L Boyd
Project Manager

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

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	08/17/2023 05:24	WG2115330
Toluene	ND		0.00100	1	08/12/2023 16:45	WG2112752
Ethylbenzene	ND		0.000500	1	08/12/2023 16:45	WG2112752
Total Xylene	ND		0.00150	1	08/12/2023 16:45	WG2112752
(S) a,a,a-Trifluorotoluene(PID)	109		79.0-125		08/12/2023 16:45	WG2112752
(S) a,a,a-Trifluorotoluene(PID)	109		79.0-125		08/17/2023 05:24	WG2115330

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	08/12/2023 17:07	WG2112752
Toluene	ND		0.00100	1	08/12/2023 17:07	WG2112752
Ethylbenzene	ND		0.000500	1	08/12/2023 17:07	WG2112752
Total Xylene	ND		0.00150	1	08/12/2023 17:07	WG2112752
(S) a,a,a-Trifluorotoluene(PID)	107		79.0-125		08/12/2023 17:07	WG2112752

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	08/12/2023 17:30	WG2112752
Toluene	ND		0.00100	1	08/12/2023 17:30	WG2112752
Ethylbenzene	ND		0.000500	1	08/12/2023 17:30	WG2112752
Total Xylene	ND		0.00150	1	08/12/2023 17:30	WG2112752
(S) a,a,a-Trifluorotoluene(PID)	110		79.0-125		08/12/2023 17:30	WG2112752

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	08/12/2023 17:52	WG2112752
Toluene	ND		0.00100	1	08/12/2023 17:52	WG2112752
Ethylbenzene	ND		0.000500	1	08/12/2023 17:52	WG2112752
Total Xylene	ND		0.00150	1	08/12/2023 17:52	WG2112752
(S) a,a,a-Trifluorotoluene(PID)	109		79.0-125		08/12/2023 17:52	WG2112752

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	08/12/2023 18:15	WG2112752
Toluene	ND		0.00100	1	08/12/2023 18:15	WG2112752
Ethylbenzene	ND		0.000500	1	08/12/2023 18:15	WG2112752
Total Xylene	ND		0.00150	1	08/12/2023 18:15	WG2112752
(S) a,a,a-Trifluorotoluene(PID)	107		79.0-125		08/12/2023 18:15	WG2112752

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	08/12/2023 18:37	WG2112752
Toluene	ND		0.00100	1	08/12/2023 18:37	WG2112752
Ethylbenzene	ND		0.000500	1	08/12/2023 18:37	WG2112752
Total Xylene	ND		0.00150	1	08/12/2023 18:37	WG2112752
(S) a,a,a-Trifluorotoluene(PID)	109		79.0-125		08/12/2023 18:37	WG2112752

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000501		0.000500	1	08/12/2023 18:59	WG2112752
Toluene	ND		0.00100	1	08/12/2023 18:59	WG2112752
Ethylbenzene	0.00117		0.000500	1	08/12/2023 18:59	WG2112752
Total Xylene	ND		0.00150	1	08/12/2023 18:59	WG2112752
(S) a,a,a-Trifluorotoluene(PID)	106		79.0-125		08/12/2023 18:59	WG2112752

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	08/12/2023 19:21	WG2112752
Toluene	ND		0.00100	1	08/12/2023 19:21	WG2112752
Ethylbenzene	ND		0.000500	1	08/12/2023 19:21	WG2112752
Total Xylene	ND		0.00150	1	08/12/2023 19:21	WG2112752
(S) a,a,a-Trifluorotoluene(PID)	107		79.0-125		08/12/2023 19:21	WG2112752

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	08/12/2023 19:44	WG2112752
Toluene	ND		0.00100	1	08/12/2023 19:44	WG2112752
Ethylbenzene	ND		0.000500	1	08/12/2023 19:44	WG2112752
Total Xylene	ND		0.00150	1	08/12/2023 19:44	WG2112752
(S) a,a,a-Trifluorotoluene(PID)	108		79.0-125		08/12/2023 19:44	WG2112752

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	08/12/2023 20:06	WG2112752
Toluene	ND		0.00100	1	08/12/2023 20:06	WG2112752
Ethylbenzene	0.00111		0.000500	1	08/12/2023 20:06	WG2112752
Total Xylene	ND		0.00150	1	08/12/2023 20:06	WG2112752
(S) a,a,a-Trifluorotoluene(PID)	106		79.0-125		08/12/2023 20:06	WG2112752

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 08/08/23 00:00

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	08/12/2023 14:30	WG2112752
Toluene	ND		0.00100	1	08/12/2023 14:30	WG2112752
Ethylbenzene	ND		0.000500	1	08/12/2023 14:30	WG2112752
Total Xylene	ND		0.00150	1	08/12/2023 14:30	WG2112752
(S) a,a,a-Trifluorotoluene(PID)	108		79.0-125		08/12/2023 14:30	WG2112752

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Volatile Organic Compounds (GC) by Method 8021B

L1644798-01,02,03,04,05,06,07,08,09,10,11

Method Blank (MB)

(MB) R3961446-3 08/12/23 13:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	109			79.0-125

1
Cp

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Tc

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Ss

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Cn

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Sr

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Qc

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Gl

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Al

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Sc

Laboratory Control Sample (LCS)

(LCS) R3961446-1 08/12/23 11:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0458	91.6	77.0-122	
Toluene	0.0500	0.0450	90.0	80.0-121	
Ethylbenzene	0.0500	0.0477	95.4	80.0-123	
Total Xylene	0.150	0.138	92.0	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			107	79.0-125	

Volatile Organic Compounds (GC) by Method 8021B

[L1644798-01](#)

Method Blank (MB)

(MB) R3962194-3 08/17/23 00:55

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
(S) a,a,a-Trifluorotoluene(PID)	110			79.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3962194-1 08/16/23 21:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0492	98.4	77.0-122	
(S) a,a,a-Trifluorotoluene(PID)			106	79.0-125	

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.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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.
U	Not detected at the Reporting Limit (or MDL where applicable).
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.

QualifierDescription

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

1

Cp

2

Tc

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Ss

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Sc

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.

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

[illegible]

[illegible]

08/11/23 - NCF L1644798 PLAINSGHD

R2/R3/R4/RX/EX

Time estimate: 0h

Time spent: 0h

Members



Deanna Ramsey (responsible)



Brittnie Boyd

- ☐ Parameter(s) past holding time
☐ Temperature not in range
☐ Improper container type
☐ pH not in range
☐ Insufficient sample volume
☐ Sample is biphasic
☐ Vials received with headspace
☒ Broken container
☐ Sufficient sample remains
☐ If broken container: Insufficient packing material around container
☐ If broken container: Insufficient packing material inside cooler
☐ If broken container: Improper handling by carrier: _____
☐ If broken container: Sample was frozen
☐ If broken container: Container lid not intact
☐ Client informed by Call
☐ Client informed by Email
☐ Client informed by Voicemail
☒ Date/Time: 08/11 1332 _____
☒ PM initials: BB _____
☐ Client Contact: _____

Comments

Deanna Ramsey

11 August 2023 8:59 AM

ID:D2-(mw-8r)-08082023 2-40mlAMB-HCL received Broken 1 still remains. put a login comment
 Limited volume on that Dash #

Brittnie Boyd

11 August 2023 1:32 PM

proceed with logging with comment.

Deanna Ramsey

11 August 2023 6:58 PM

done



ANALYTICAL REPORT

November 16, 2023

Plains All American, LP - GHD

Sample Delivery Group: L1676168
Samples Received: 11/09/2023
Project Number: SRS #LF 1999-62
Description: Plains/Darr Angell No. 2
Site: SRS #LF 1999-62
Report To: John Ferguson
2135 S Loop 250 W
Midland, TX 79703

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Entire Report Reviewed By:

A handwritten signature in blue ink that reads "Brittnie Boyd".

Brittnie L Boyd
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 National12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

Cp: Cover Page	1	¹ Cp
Tc: Table of Contents	2	
Ss: Sample Summary	3	² Tc
Cn: Case Narrative	5	
Sr: Sample Results	6	³ Ss
D2-MW-9R-110723 L1676168-01	6	
D2-MW-10R-110723 L1676168-02	7	⁴ Cn
D2-MW-3R-110723 L1676168-03	8	⁵ Sr
D2-MW-12-110723 L1676168-04	9	
D2-MW-4R-110723 L1676168-05	10	⁶ Qc
D2-MW-8R-110723 L1676168-06	11	
D2-MW-7R-110723 L1676168-07	12	⁷ Gl
D2-MW-13-110723 L1676168-08	13	⁸ Al
D2-MW-6R-110723 L1676168-09	14	
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TRIP BLANK L1676168-11	16	
Qc: Quality Control Summary	17	
Volatile Organic Compounds (GC) by Method 8021B	17	
Gl: Glossary of Terms	18	
Al: Accreditations & Locations	19	
Sc: Sample Chain of Custody	20	

D2-MW-9R-110723 L1676168-01 GW

Collected by Hector Orosco
Collected date/time 11/07/23 11:45
Received date/time 11/09/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2169927	1	11/13/23 03:03	11/13/23 03:03	NCD	Mt. Juliet, TN

¹Cp

²Tc

³Ss

D2-MW-10R-110723 L1676168-02 GW

Collected by Hector Orosco
Collected date/time 11/07/23 12:15
Received date/time 11/09/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2169927	1	11/13/23 03:26	11/13/23 03:26	NCD	Mt. Juliet, TN

⁴Cn

⁵Sr

D2-MW-3R-110723 L1676168-03 GW

Collected by Hector Orosco
Collected date/time 11/07/23 12:45
Received date/time 11/09/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2169927	1	11/13/23 03:49	11/13/23 03:49	NCD	Mt. Juliet, TN

⁶Qc

⁷Gl

D2-MW-12-110723 L1676168-04 GW

Collected by Hector Orosco
Collected date/time 11/07/23 13:15
Received date/time 11/09/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2169927	1	11/13/23 04:11	11/13/23 04:11	NCD	Mt. Juliet, TN

⁸Al

⁹Sc

D2-MW-4R-110723 L1676168-05 GW

Collected by Hector Orosco
Collected date/time 11/07/23 13:45
Received date/time 11/09/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2169927	1	11/13/23 04:34	11/13/23 04:34	NCD	Mt. Juliet, TN

D2-MW-8R-110723 L1676168-06 GW

Collected by Hector Orosco
Collected date/time 11/07/23 14:15
Received date/time 11/09/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2169927	1	11/13/23 04:56	11/13/23 04:56	NCD	Mt. Juliet, TN

D2-MW-7R-110723 L1676168-07 GW

Collected by Hector Orosco
Collected date/time 11/07/23 14:45
Received date/time 11/09/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2169927	1	11/13/23 05:19	11/13/23 05:19	NCD	Mt. Juliet, TN

D2-MW-13-110723 L1676168-08 GW

Collected by Hector Orosco
Collected date/time 11/07/23 15:00
Received date/time 11/09/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2169927	1	11/13/23 05:41	11/13/23 05:41	NCD	Mt. Juliet, TN

SAMPLE SUMMARY

D2-MW-6R-110723 L1676168-09 GW

Collected by Hector Orosco
Collected date/time 11/07/23 15:15
Received date/time 11/09/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2169927	1	11/13/23 06:04	11/13/23 06:04	NCD	Mt. Juliet, TN

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

D2-DUP-110723 L1676168-10 GW

Collected by Hector Orosco
Collected date/time 11/07/23 00:00
Received date/time 11/09/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2169927	1	11/13/23 06:26	11/13/23 06:26	NCD	Mt. Juliet, TN

TRIP BLANK L1676168-11 GW

Collected by Hector Orosco
Collected date/time 11/07/23 00:00
Received date/time 11/09/23 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC) by Method 8021B	WG2169927	1	11/13/23 02:18	11/13/23 02:18	NCD	Mt. Juliet, TN

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.



Brittnie L Boyd
Project Manager

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/13/2023 03:03	WG2169927
Toluene	ND		0.00100	1	11/13/2023 03:03	WG2169927
Ethylbenzene	ND		0.000500	1	11/13/2023 03:03	WG2169927
Total Xylene	ND		0.00150	1	11/13/2023 03:03	WG2169927
(S) a,a,a-Trifluorotoluene(PID)	105		79.0-125		11/13/2023 03:03	WG2169927

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/13/2023 03:26	WG2169927
Toluene	ND		0.00100	1	11/13/2023 03:26	WG2169927
Ethylbenzene	ND		0.000500	1	11/13/2023 03:26	WG2169927
Total Xylene	ND		0.00150	1	11/13/2023 03:26	WG2169927
(S) a,a,a-Trifluorotoluene(PID)	105		79.0-125		11/13/2023 03:26	WG2169927

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000739		0.000500	1	11/13/2023 03:49	WG2169927
Toluene	0.00118		0.00100	1	11/13/2023 03:49	WG2169927
Ethylbenzene	0.00162		0.000500	1	11/13/2023 03:49	WG2169927
Total Xylene	0.0129		0.00150	1	11/13/2023 03:49	WG2169927
(S) a,a,a-Trifluorotoluene(PID)	103		79.0-125		11/13/2023 03:49	WG2169927

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/13/2023 04:11	WG2169927
Toluene	ND		0.00100	1	11/13/2023 04:11	WG2169927
Ethylbenzene	ND		0.000500	1	11/13/2023 04:11	WG2169927
Total Xylene	ND		0.00150	1	11/13/2023 04:11	WG2169927
(S) a,a,a-Trifluorotoluene(PID)	103		79.0-125		11/13/2023 04:11	WG2169927

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/13/2023 04:34	WG2169927
Toluene	ND		0.00100	1	11/13/2023 04:34	WG2169927
Ethylbenzene	ND		0.000500	1	11/13/2023 04:34	WG2169927
Total Xylene	ND		0.00150	1	11/13/2023 04:34	WG2169927
(S) a,a,a-Trifluorotoluene(PID)	105		79.0-125		11/13/2023 04:34	WG2169927

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/13/2023 04:56	WG2169927
Toluene	ND		0.00100	1	11/13/2023 04:56	WG2169927
Ethylbenzene	ND		0.000500	1	11/13/2023 04:56	WG2169927
Total Xylene	ND		0.00150	1	11/13/2023 04:56	WG2169927
(S) a,a,a-Trifluorotoluene(PID)	105		79.0-125		11/13/2023 04:56	WG2169927

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/13/2023 05:19	WG2169927
Toluene	ND		0.00100	1	11/13/2023 05:19	WG2169927
Ethylbenzene	ND		0.000500	1	11/13/2023 05:19	WG2169927
Total Xylene	ND		0.00150	1	11/13/2023 05:19	WG2169927
(S) a,a,a-Trifluorotoluene(PID)	105		79.0-125		11/13/2023 05:19	WG2169927

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/13/2023 05:41	WG2169927
Toluene	ND		0.00100	1	11/13/2023 05:41	WG2169927
Ethylbenzene	ND		0.000500	1	11/13/2023 05:41	WG2169927
Total Xylene	ND		0.00150	1	11/13/2023 05:41	WG2169927
(S) a,a,a-Trifluorotoluene(PID)	105		79.0-125		11/13/2023 05:41	WG2169927

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/13/2023 06:04	WG2169927
Toluene	ND		0.00100	1	11/13/2023 06:04	WG2169927
Ethylbenzene	ND		0.000500	1	11/13/2023 06:04	WG2169927
Total Xylene	ND		0.00150	1	11/13/2023 06:04	WG2169927
(S) a,a,a-Trifluorotoluene(PID)	105		79.0-125		11/13/2023 06:04	WG2169927

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	0.000757		0.000500	1	11/13/2023 06:26	WG2169927
Toluene	0.00115		0.00100	1	11/13/2023 06:26	WG2169927
Ethylbenzene	0.00159		0.000500	1	11/13/2023 06:26	WG2169927
Total Xylene	0.0212		0.00150	1	11/13/2023 06:26	WG2169927
(S) a,a,a-Trifluorotoluene(PID)	103		79.0-125		11/13/2023 06:26	WG2169927

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 11/07/23 00:00

Volatile Organic Compounds (GC) by Method 8021B

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch
Benzene	ND		0.000500	1	11/13/2023 02:18	WG2169927
Toluene	ND		0.00100	1	11/13/2023 02:18	WG2169927
Ethylbenzene	ND		0.000500	1	11/13/2023 02:18	WG2169927
Total Xylene	ND		0.00150	1	11/13/2023 02:18	WG2169927
(S) a,a,a-Trifluorotoluene(PID)	104		79.0-125		11/13/2023 02:18	WG2169927

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8021B

[L1676168-01,02,03,04,05,06,07,08,09,10,11](#)

Method Blank (MB)

(MB) R3999841-3 11/13/23 01:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.000190	0.000500
Toluene	U		0.000412	0.00100
Ethylbenzene	U		0.000160	0.000500
Total Xylene	U		0.000510	0.00150
(S) a,a,a-Trifluorotoluene(PID)	106			79.0-125

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

Laboratory Control Sample (LCS)

(LCS) R3999841-1 11/13/23 00:13

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0514	103	77.0-122	
Toluene	0.0500	0.0467	93.4	80.0-121	
Ethylbenzene	0.0500	0.0531	106	80.0-123	
Total Xylene	0.150	0.154	103	47.0-154	
(S) a,a,a-Trifluorotoluene(PID)			104	79.0-125	

⁶Qc

⁷Gl

⁸Al

⁹Sc

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.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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.
U	Not detected at the Reporting Limit (or MDL where applicable).
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.

QualifierDescription

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

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

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.

¹Cp

²Tc

³Ss

⁴Cn

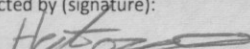
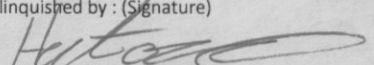
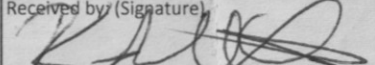
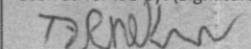
⁵Sr

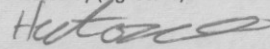
⁶Qc

⁷Gl

⁸Al

⁹Sc

Company Name/Address: Plains All American, LP - GHD 2135 S Loop 250 W Midland, TX 79703				Billing Information: Accounts Payable 505 N. Big Spring, Ste. 600 Midland, TX 79701				Analysis / Container / Preservative Chain of Custody Page <u>1</u> of <u>4</u>			
Report to: John Ferguson				Email To: john.fergerson@ghd.com;KHudgens@paalp.co				 MT JULIET, TN 1206S 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			
Project Description: Plains/Darr Angell No. 2		City/State Collected: Lea County NM		Please Circle: PT MT CT ET							
Phone: 432-686-0086		Client Project # SRS #LF 1999-62		Lab Project # PLAINSGHD-LF199962							
Collected by (print): Hector Orosco		Site/Facility ID # SRS #LF 1999-62		P.O. #							
Collected by (signature): 		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							
Immediately Packed on Ice N ☐ Y ☒		No. of Containers		BTEX 40m/Amb-HCI							
Sample ID		Comp/Grab	Matrix *			Depth	Date	Time			
D2-MW-9R-110723		GW	11-7-23			1145	3	✓			
D2-MW-10R-110723		GW	11-7-23			1215	3	✓			
D2-MW-3R-110723		GW	11-7-23			1245	3	✓			
D2-MW-12-110723		GW	11-7-23			1315	3	✓			
D2-MW-4R-110723		GW	11-7-23			1345	3	✓			
D2-MW-8R-110723		GW	11-7-23			1415	3	✓			
D2-MW-7R-110723		GW	11-7-23			1445	3	✓			
D2-MW-13-110723		GW	11-7-23			1500	3	✓			
D2-MW-6R-110723		GW	11-7-23	1515	3	✓					
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: Include 1 trip blank in cooler				pH _____ Temp _____ Flow _____ Other _____					
Relinquished by: (Signature) 		Date: 11-8-23	Time: 1120	Received by: (Signature) 		Trip Blank Received: ☒ Yes / ☐ No (BCL / MeOH TBR)					
Relinquished by: (Signature)		Date:	Time:	Received by: (Signature)		Temp: MSA 8°C Bottles Received: 27 3.0 ± 0.3 = 3.0					
Relinquished by: (Signature)		Date:	Time:	Received for lab by: (Signature) 		Date: 11/9/23 Time: 0800					
Hold:		Condition: NCF / OK									

Company Name/Address: Plains All American, LP - GHD 2135 S Loop 250 W Midland, TX 79703		Billing Information: Accounts Payable 505 N. Big Spring, Ste. 600 Midland, TX 79701		Pres Chk		Analysis / Container / Preservative										Chain of Custody Page 2 of 2				
Report to: John Ferguson		Email To: john.fergerson@ghd.com;KHudgens@paalp.co														 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				
Project Description: Plains/Darr Angell No. 2		City/State Collected: Lea County NM		Please Circle: PT ☒ MT ☐ CT ☐ ET																
Phone: 432-686-0086		Client Project # SRS #LF 1999-62		Lab Project # PLAINSGHD-LF199962												SDG # L1676118				
Collected by (print): Hector orosco		Site/Facility ID # SRS #LF 1999-62		P.O. #												Table #				
Collected by (signature): 		Rush? (Lab MUST Be Notified) ☐ Same Day ☒ Five Day ☐ Next Day ☐ 5 Day (Rad Only) ☐ Two Day ☐ 10 Day (Rad Only) ☐ Three Day		Quote #												Acctnum: PLAINSGHD				
Immediately Packed on Ice N ☐ Y ☒				Date Results Needed												Template: T223529				
																Prelogin: P1035260				
																PM: 829 - Brittne L Boyd				
																PB: NG 111123				
																Shipped Via:				
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs											Remarks	Sample # (lab only)	
D2-Dup1-110723			GW		11-7-23		3	☒												
			GW																	
Trip Blank			GW				1													
			GW																	
			GW																	
			GW																	
			GW																	
			GW																	
			GW																	
			GW																	

* Matrix:

SS - Soil AIR - Air F - Filter

GW - Groundwater B - Bioassay

WW - WasteWater

DW - Drinking Water

OT - Other _____

Remarks: Include 1 trip blank in cooler

pH _____ Temp _____

Flow _____ Other _____

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

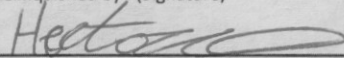
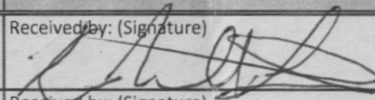
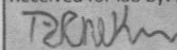
Sufficient volume sent: ☒ Y ☒ N

If Applicable

VOA Zero Headspace: ☒ Y ☒ N

Preservation Correct/Checked: ☒ Y ☒ N

RAD Screen <0.5 mR/hr: ☒ Y ☒ N

Relinquished by: (Signature) 	Date: 11-8-23	Time: 1120	Received by: (Signature) 	Trip Blank Received: Yes / No 1 ☒ 0 ☐	HCL / MeOH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 11.4°C 3.8 to 3.8	Bottles Received: 3
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) 	Date: 11/9/23	Time: 0800

Hold:

Condition:
NCF / **OK**

If preservation required by Login: Date/Time



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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 346760

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID:
	34053
	Action Number:
	346760
Action Type:	
[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)	

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Monitoring Report: content satisfactory 1. Plains may transition over to semi-annual sampling events until all constituents are starting to demonstrate below the WQCC standards, then transition back to quarterly for eight consecutive samples for closure requirements. 2. Continue to operate the trailer mounted remediation system which is non-stationary for LNAPL removal. 3. Submit the 2024 annual report to OCD electronically by April 1, 2025. Please note sampling adjustments in the next report.	7/24/2024