

REVIEWED

By Nelson Velez at 7:28 am, Jul 20, 2022



2021 Annual Groundwater Monitoring Report

Darr Angell #2 SRS #: LF 1999-62
SW ¼, SE ¼, Section 11, T15S, R37E;
NW ¼, NE ¼, Section 14, T15S, R37E
Lea County, New Mexico
NMOCD AP-007
Incident ID # nAPP2108928398

Plains All American Pipeline, LP



Review of 2021 Annual Groundwater Monitoring Report:

Content satisfactory

Contractor recommendations approved by NMOCD and are as follows;

1. Continue NMOCD-approved quarterly GWSEs for BTEX by Method 8021B for all monitor wells and recovery wells located on-site.
 2. Discontinue sampling of MW-3R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, and MW-13 for PAH unless they are re-impacted by LNAPL.
 3. Continue sampling any wells that cease to have LNAPL for PAH compounds.
 4. Submit a work plan detailing additional delineation activities in the area surrounding MW-12 if benzene concentrations detected remain above NMWQCC standards.
 5. Conduct LNAPL abatement via hand-bailing on a weekly basis for monitor and recovery wells that have a measurable amount of LNAPL, but no pump installed.
 6. Continue operation and maintenance of the trailer-mounted, automated system in various monitor and recovery wells on a weekly basis.
- Submit the Annual Monitoring Report to the NMOCD no later than March 31, 2023.



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1. Introduction

GHD Services, Inc. (GHD), on behalf of Plains All American, L.P. (Plains), submits this Annual Groundwater Monitoring Report (Report) in compliance with New Mexico Oil Conservation Division (NMOCD) requirements. This Site is part of NMOCD Abatement Plan number AP-007. This Report provides the quarterly results of groundwater sampling events (GWSEs) and remediation activities completed at Darr Angell #2 SRS #LF 1999-62 (Site) during 2021. This Site is located in 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 GPS coordinates for the Site are 33.0242° N latitude and 103.1667° W longitude. A Site Location Map is provided on Figure 1. The remediation area and other site details are depicted on Figure 2, Site Details Map.

1.1 Site Location and History

The Site was formerly the responsibility of Enron Oil Trading and Transportation (EOTT); however, the Site is currently the responsibility of Plains. A pipeline release was discovered by EOTT employees and details were submitted on a Release Notification and Corrective Action Form (C-141) to the NMOCD on July 29, 1999. The C-141 reported the release as 60 barrels of crude oil with no recovery. The release occurred from an 8-inch EOTT pipeline and was attributed to external pipeline corrosion.

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 to approximately 4.5 feet below ground surface. Impacted soils were stockpiled on Site. Excavation resumed in April and May 2001 with the additional removal of approximately 3,000 cubic yards of impacted soil. This material was added to soil previously stockpiled on Site. Monitor wells MW-1 through MW-10 and recovery wells RW-1 through RW-7 were installed between April 2000 and December 2002. Partial backfilling of the open excavation was conducted subsequent to NMOCD approval of a backfill request, submitted on March 11, 2002. Backfill materials consisted of previously excavated caliche which had been separated from other excavated material by mechanical screening.

Approximately 3,100 cubic yards of excavated soils were placed into a treatment area, which was 2-3 feet deep, in October 2003. Quarterly mechanical tilling of the stockpile occurred throughout 2004. Analytical results detailed in the Site Restoration Work Plan and Proposed Soil Closure Strategy of January 2006 indicated concentrations of total petroleum hydrocarbons within the soil treatment cell were below NMOCD regulatory standards. In a letter from the NMOCD dated April 5, 2006, Plains received approval to backfill the excavation at the Site. The excavation was backfilled with remediated soils contained in the soil treatment cell and contoured to grade in June 2006. A Soil Closure Request was submitted to the NMOCD. Plains received an email approving the soil closure request for the Darr No. 2 location on February 19, 2010.

Nova began managing activities at the Site on May 29, 2004. GHD began monitoring, operation, maintenance, and reporting at the Site on May 2, 2011.



Monitor well MW-5 was plugged and abandoned on September 14, 2005. Wells MW-4 and RW-7 were plugged and abandoned on October 7 and October 8, 2014, respectively. Monitor well MW-4R and recovery well RW-9 were installed on October 7, 2014. Recovery wells RW-7R, RW-8 and RW-10 were installed on October 8, 2014. Monitor well MW-12 and recovery wells RW-11 and RW-12 were installed on February 8, 2017. New wells were professionally surveyed on November 11, 2014, and June 28, 2017.

In July 2019, a Work Plan for Installation of Additional Wells and Plugging Dry wells was submitted to the NMOCD. The work plan proposed to plug and abandon nine monitor wells and one recovery well and installing seven new monitor wells and three new recovery wells. The work plan was proposed because fluid levels in several wells had declined making LNAPL recovery no longer feasible and delineation of the contaminant plume could no longer be demonstrated using the existing wells. On February 19, 2020, 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 were plugged and abandoned. From February 20 through 25, monitor wells MW-3R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, and MW-13 and recovery wells RW-4R, RW-13, and RW-14 were installed at the site. Currently at the site there are nine (9) monitor wells, MW-3R, MW-4R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, MW-12, and MW-13, and fourteen (14) recovery wells, RW-1, RW-2, RW-3, RW-4R, RW-5, RW-6, RW-7R, RW-8, RW-9, RW-10, RW-11, RW-12, RW-13, and RW-14. A Site Details Map is presented as Figure 2.

2. Regulatory Framework

The NMOCD guidelines require groundwater to be analyzed for potential contaminants as defined by the New Mexico Water Quality Control Commission (NMWQCC) Standards 20.6.2.3103 Section A, which provide Human Health Standards for Groundwater. The constituents of concern (COCs) in affected groundwater at the Site are benzene, toluene, ethylbenzene, and total xylenes (BTEX); benzo(a)pyrene; and combined naphthalene and monomethylnaphthalenes. NMWQCC standards as shown in Table 2.1 are used to guide assessment and remediation of the Site:

Table 2.1 NMWQCC Human Health Standards

Analyte	NMWQCC Human Health Standard
Benzene	0.01 mg/L
Toluene	0.75 mg/L
Ethylbenzene	0.75 mg/L
Total Xylenes	0.62 mg/L
Benzo(a)pyrene	0.0002 mg/L
Combined Naphthalene and Monomethylnaphthalenes	0.03 mg/L



3. 2021 Groundwater Sampling Events

GHD conducted quarterly GWSEs for 9 monitor wells and 14 recovery wells located on-site. Sample locations can be viewed in the Site Details Map provided as Figure 2. All on-site monitor and recovery wells were sampled in accordance with the following groundwater sampling schedule as approved by the NMOCD:

Table 3.1 NMOCD-Approved Groundwater Sampling Schedule

Sample Location ID	Groundwater Sampling Schedule
MW-3R, MW-4R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, MW-12, MW-13, RW-1, RW-2, RW-3, RW-4R, RW-5, RW-6, RW-7R, RW-8, RW-9, RW-10, RW-11, RW-12, RW-13, RW-14	Quarterly

MW-3R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, MW-13, RW-1, RW-2, RW-3, RW-5, RW-6, RW-11, and RW-12 were sampled in accordance with the NMOCD's email correspondence to Plains, dated December 12, 2012, regarding polycyclic aromatic hydrocarbons (PAH) which provided the following directive:

“Annual sampling of wells that have BTEX concentrations above the respective NMWQCC standard; wells where LNAPL has been removed and is no longer present; and continued sampling of each well for at least two consecutive years until each of the PAHs are at a concentration of 0.001 mg/L or less (for PAHs that do not have a NMWQCC standard) and at or below NMWQCC standard for PAHs that have a standard (if applicable).”

3.1 Groundwater Sampling Methodology

Static fluid levels were gauged with an oil-water interface probe to the nearest hundredth of a foot for all on-site monitor and recovery wells. Wells not containing LNAPL with sufficient water for sampling were purged of three (3) well volumes of groundwater. Hand-bailing, using clean disposable polyvinyl chloride (PVC) bailers, was the method used for groundwater purging. The purged groundwater was stored in an above-ground storage tank (AST) located at the Site.

Laboratory-supplied containers were filled with groundwater directly from the PVC bailer used for purging, then placed on ice and chilled to a temperature of approximately 4° C. All groundwater samples were analyzed for BTEX by Method 8021B. A duplicate sample was generally collected every 12 wells and analyzed for BTEX by Method 8021B. During the fourth quarter of 2021, select sample locations were analyzed for PAH by Method 8270C-SIM. All groundwater samples were analyzed by Pace Analytical Laboratory in Mt. Juliet, Tennessee. Certified Laboratory Reports and Chain-of-Custody are provided in Appendix C. Monitor and recovery wells containing measurable amounts of light-aqueous phase liquids (LNAPL) were not sampled.



3.2 Laboratory Analytical Results Summary

BTEX analytical results for GWSEs conducted during 2020 and 2021 are included in Table 2, BTEX Analytical Results for Groundwater Sampling Events 2020-2021. BTEX concentrations for the quarterly GWSEs conducted in 2021 are shown on Figure 7, Figure 8, Figure 9, and Figure 10. A summary of PAH analytical results is shown in Table 3, Polycyclic Aromatic Hydrocarbons Analytical Results. All analytical results are summarized using the NMWQCC Human Health Standards found in Table 2.1.

3.2.1 First Quarter Summary

On February 10-11, 2021, GHD collected groundwater samples for 9 monitor wells and 2 recovery wells. Approximately 153 gallons (gals) of groundwater were purged and stored in the on-site AST. Analytical results indicated benzene concentrations above 0.01 mg/L in MW-12, RW-11, and RW-12. No other Site wells exceeding the benzene standard. None of the Site wells exhibited toluene, ethylbenzene, or total xylenes concentrations above the NMWQCC criteria. Results for the analyses of the initial and field duplicate groundwater samples collected at MW-3R were within acceptable ranges.

No groundwater samples were collected at RW-1, RW-2, RW-3, RW-4R, RW-5, RW-6, RW-7R, RW-8, RW-9, RW-10, RW-13, or RW-14 due to measurable amounts of LNAPL gauged in the wells.

3.2.2 Second Quarter Summary

On May 13, 2021, GHD collected groundwater samples for 9 monitor wells and 1 recovery well. Approximately 119 gals of groundwater were purged and disposed into the on-site AST. Analytical results indicated benzene concentrations above 0.01 mg/L in MW-12 and RW-12. No other Site wells exceeding the benzene standard. None of the groundwater samples exhibited toluene, ethylbenzene, or total xylenes concentrations above the NMWQCC criteria. Results for the analyses of the initial and field duplicate groundwater samples collected at MW-12 were within acceptable ranges.

No groundwater samples were collected at RW-1, RW-2, RW-3, RW-4R, RW-5, RW-6, RW-7R, RW-8, RW-9, RW-10, RW-11, RW-13, or RW-14 due to measurable amounts of LNAPL gauged in the wells.

3.2.3 Third Quarter Summary

On August 9, 2021, GHD collected groundwater samples for 9 monitor wells and 1 recovery well. Approximately 118 gals of groundwater were purged and disposed into the on-site AST. Analytical results indicated benzene concentrations above 0.01 mg/L in MW-12 and RW-12. No other Site wells exceeding the benzene standard. None of the groundwater samples exhibited toluene, ethylbenzene, or total xylenes concentrations above the NMWQCC criteria. Results for the analyses of the initial and field duplicate groundwater samples collected at MW-12 were within acceptable ranges.



No groundwater samples were collected at RW-1, RW-2, RW-3, RW-4R, RW-5, RW-6, RW-7R, RW-8, RW-9, RW-10, RW-11, RW-13, or RW-14 due to measurable amounts of LNAPL gauged in the wells.

3.2.4 Fourth Quarter Summary

On November 10, 2021, GHD collected groundwater samples for 9 monitor wells and 1 recovery well. Approximately 117 gals of groundwater were purged and disposed into the on-site AST. Analytical results indicated benzene concentrations above 0.01 mg/L in RW-12. No other Site wells exceeding the benzene standard. None of the groundwater samples exhibited toluene, ethylbenzene, total xylenes, benzo(a)pyrene, or combined naphthalene and monomethylnaphthalenes concentrations above the NMWQCC criteria. Results for the analyses of the initial and field duplicate groundwater samples collected at RW-12 were within acceptable ranges.

No groundwater samples were collected at RW-1, RW-3, RW-4R, RW-5, RW-6, RW-7R, RW-8, RW-9, RW-10, RW-11, RW-13, or RW-14 due to measurable amounts of LNAPL gauged in the wells. RW-2 was not sampled due to being dry.

4. Potentiometric Surface and Gradient Summary

During the quarterly GWSEs, GHD conducted gauging events prior to groundwater sample collection. All fluid level measurements were from tops of casings which were professionally surveyed. Elevations of the potentiometric surface were calculated using a specific gravity of 0.81 of LNAPL, where present. Groundwater flow is generally toward the southeast, which is consistent with historical data. The average gradient of the potentiometric surface during 2021 is 0.0014 ft., which indicates an average decrease of 0.0013 ft. The annual elevation of the potentiometric surface indicates an average decline of 0.19 ft. during 2021. Monthly gauging and elevation of the potentiometric surface data for 2020-2021 are provided in Table 1. Quarterly groundwater gradient maps are provided in Figure 3, Figure 4, Figure 5, and Figure 6.

5. Remediation Activities

Remediation at the Site consists of recovery of soil-vapor by a trailer-mounted automated system which also operated total-fluid pumps in a number of wells. Fluids recovered are transferred to an on-site AST from which fluids are periodically removed for disposal at a licensed facility per directives of Plains. Fluid levels in the AST are gauged periodically to calculate total volumes of fluids recovered at the site. Total volumes recovered less amounts removed for disposal indicate that approximately 719.44 gallons of LNAPL were recovered during 2021.

The trailer-mounted groundwater system operated at the Site for a total of 236 days during 2021. The system operates four pumps which are moved between various wells on a quarterly basis based on an assessment of LNAPL thicknesses during gauging events. Soil vapor and total fluids were recovered from RW-3, RW-4R, RW-7R, RW-8, RW-10, RW-13, and RW-14 during 2021. GHD personnel conducted operation and maintenance (O&M) activities each week to maintain efficient soil vapor and fluid recovery. O&M activities included inspections of well-heads and flow



lines, servicing pneumatic total fluid pumps and air compressor, adjustment of depths of total fluid pumps, and gauging of recovered fluids in the storage tank, and general housekeeping tasks.

Samples of emissions from the remediation system were collected on March 15, June 7, August 30 and December 6, 2021, and used to calculate emission rates and total emissions from the remediation system. Using a standard flow rate of 40 cubic ft. per minute, the maximum rate of emissions during 2021 was 2.3711 TPH lb./hour. Total mass of emissions during 2021 was 4.5904 tons of TPH, which is below the 10 ton per year limit.

The total volume of LNAPL recovered since the start of the LNAPL abatement program in 2005 is approximately 29,608.37 gallons (704.96 barrels).

6. Summary of Findings

Based on GWSE and remedial activities performed at the Site in 2021, the following summary of findings is presented:

- Groundwater flow is generally toward the southeast, which is consistent with historical data. The average gradient of the potentiometric surface during 2021 is 0.0014 ft., which indicates an average decrease of 0.0013 ft.
- The annual elevation of the potentiometric surface indicates an average decline of 0.19 ft. during 2021
- LNAPL was present in 11 recovery wells (RW-3, RW-4R, RW-5, RW-6, RW-7R, RW-8, RW-9, RW-10, RW-11 RW-13, and RW-14). The average LNAPL thickness is 2.59 ft. The maximum LNAPL thickness is at RW-14, which is 10.11 ft. The minimum LNAPL thickness is at RW-1, which was 0.01 ft.
 - RW-2 historically has LNAPL at TD but has been dry since August 2021. It is the only dry well on-site.
 - Pumps are currently operating in RW-4R, RW-5, RW-13, and RW-14.
- Benzene concentrations are consistently above the NMWQCC criteria for RW-12. Charts of Dissolved Benzene Concentrations Versus Time are provided in Appendix B.
 - Historically, MW-12 has had benzene concentrations below the NMWQCC criteria, but groundwater samples have exhibited benzene concentrations above the NMWQCC criteria for every quarter of 2021, except the fourth quarter.
 - Historically, RW-11 has had benzene concentrations exceeding NMWQCC criteria but has not been sampled since the first quarter due to measurable amounts of LNAPL. The LNAPL thickness has been slightly increasing since March 2021 and is currently at 0.21 ft.
- Fluctuations in the elevation of the potentiometric surface can be attributed to the on-site removal of groundwater and LNAPL.



- MW-3R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, and MW-13 have established 2 consecutive years below the NMWQCC criteria for PAH. RW-2 cannot be sampled due to being dry.
- The total volume of LNAPL recovered since the start of the LNAPL abatement program in 2005 is approximately 29,608.37 gallons (704.96 barrels).
- Total mass of emissions during 2021 was 4.5904 tons of TPH, which is below the 10 ton/year limit.

7. Recommendations

Based upon the data and conclusions presented in this report, the following are recommended for 2022:

- Continue operation and maintenance of the trailer-mounted, automated system in various monitor and recovery wells on a weekly basis.
- Conduct LNAPL abatement via hand-bailing on a weekly basis for monitor and recovery wells that have a measurable amount of LNAPL, but no pump installed.
- Continue NMOCD-approved quarterly GWSEs for BTEX by Method 8021B for all monitor wells and recovery wells located on-site.
- MW-3R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, and MW-13 have established 2 consecutive years below the NMWQCC criteria for PAH, therefore these wells will be removed from the annual PAH sampling schedule unless they are re-impacted by LNAPL. Recover well RW-12 will be sampled for PAH compounds during the fourth quarter of 2022. Additionally, any wells that cease to have LNAPL will be sampled for PAH compounds.
- Monitor well MW-12 has exhibited intermittent detections of benzene over NMWQCC criteria. If benzene concentrations detected in MW-12 remain above NMWQCC standards Plains will submit a work plan detailing additional delineation activities in the area surrounding MW-12.

All of which is Respectfully Submitted,

GHD

A handwritten signature in black ink that reads "Rebecca Haskell".

Becky Haskell
Senior Project Manager

A handwritten signature in blue ink that reads "Thomas Larson".

Tom Larson
Midland Operations Manager



about GHD

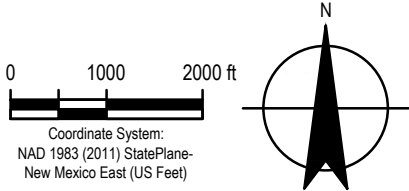
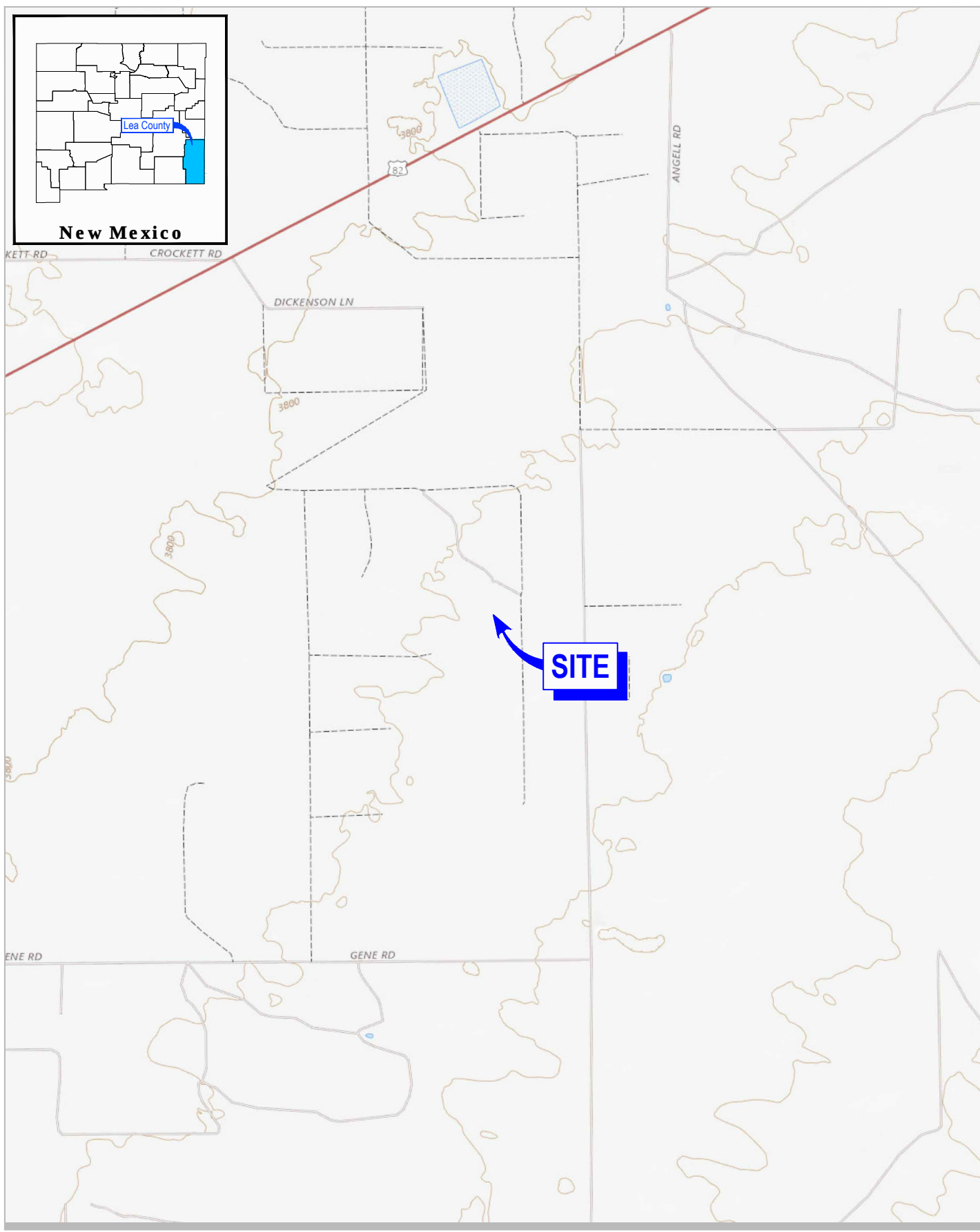
GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings, and transportation. We provide engineering, environmental, and construction services to private and public sector clients.

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Figures



PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DARR ANGELL No.2

Project No. 11209891
Date May 2021

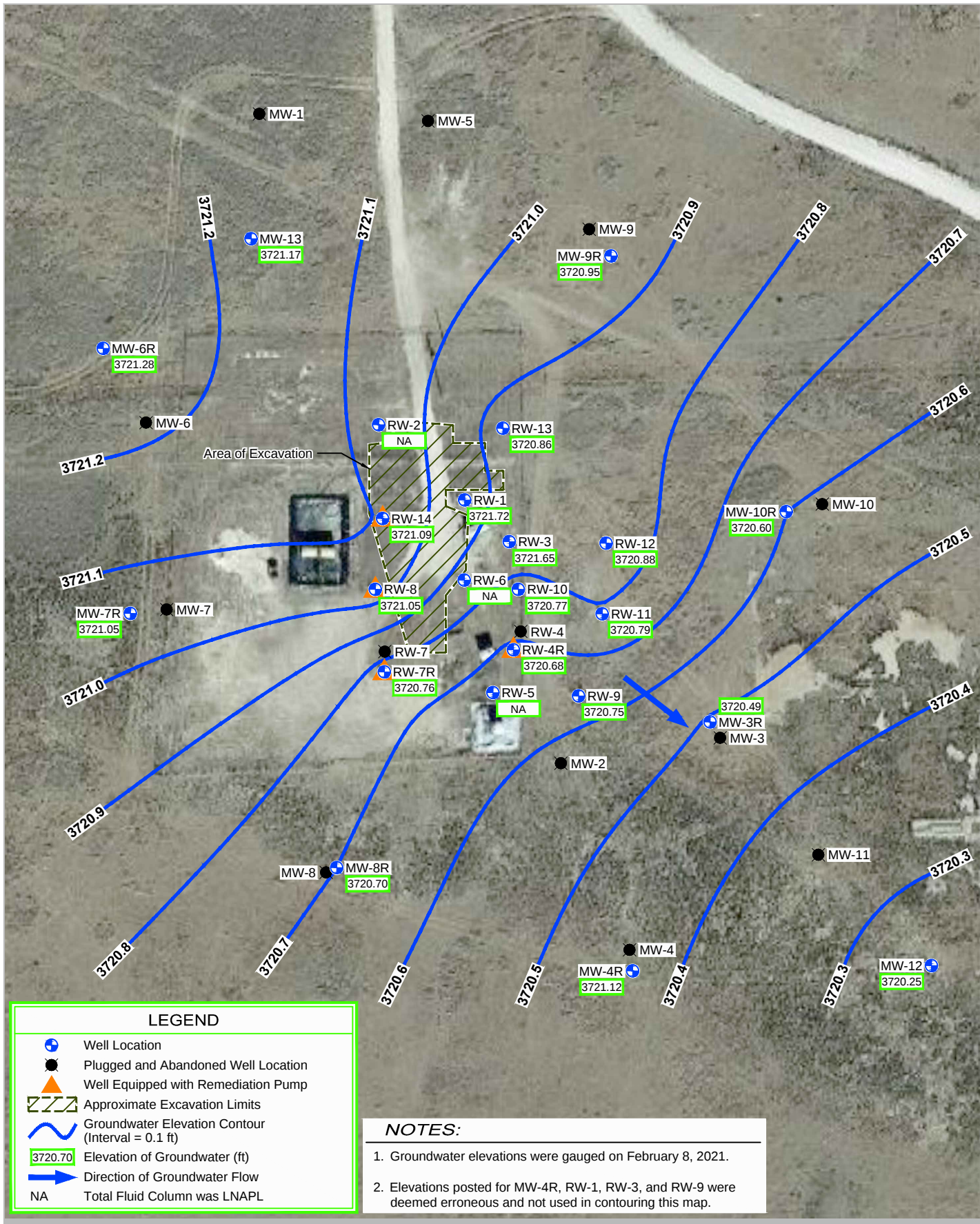
SITE LOCATION MAP

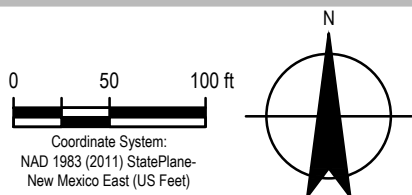
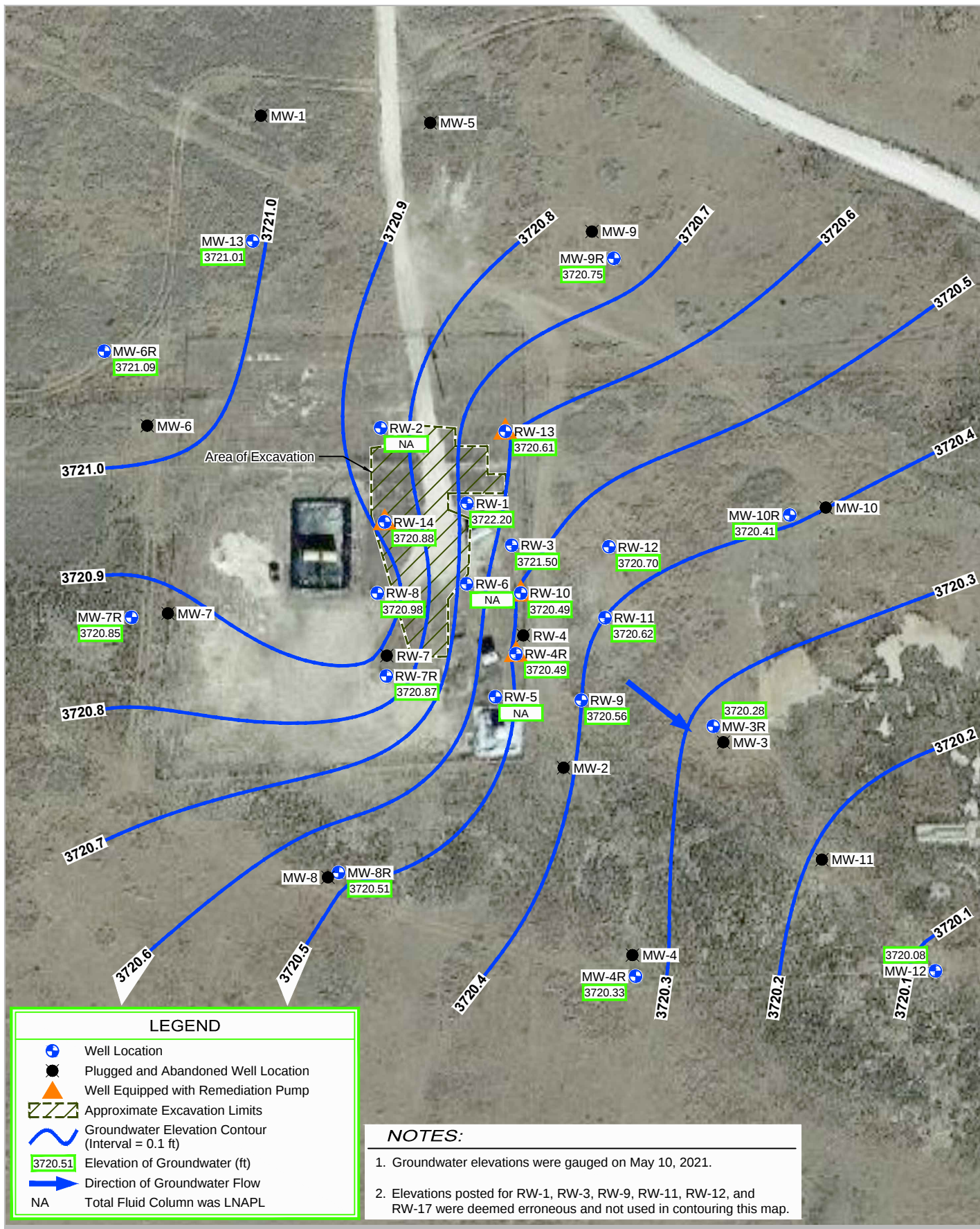
FIGURE 1



SITE DETAILS MAP

FIGURE 2



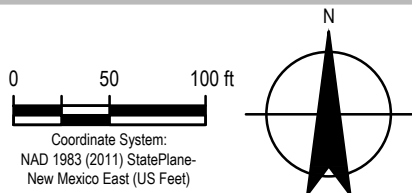
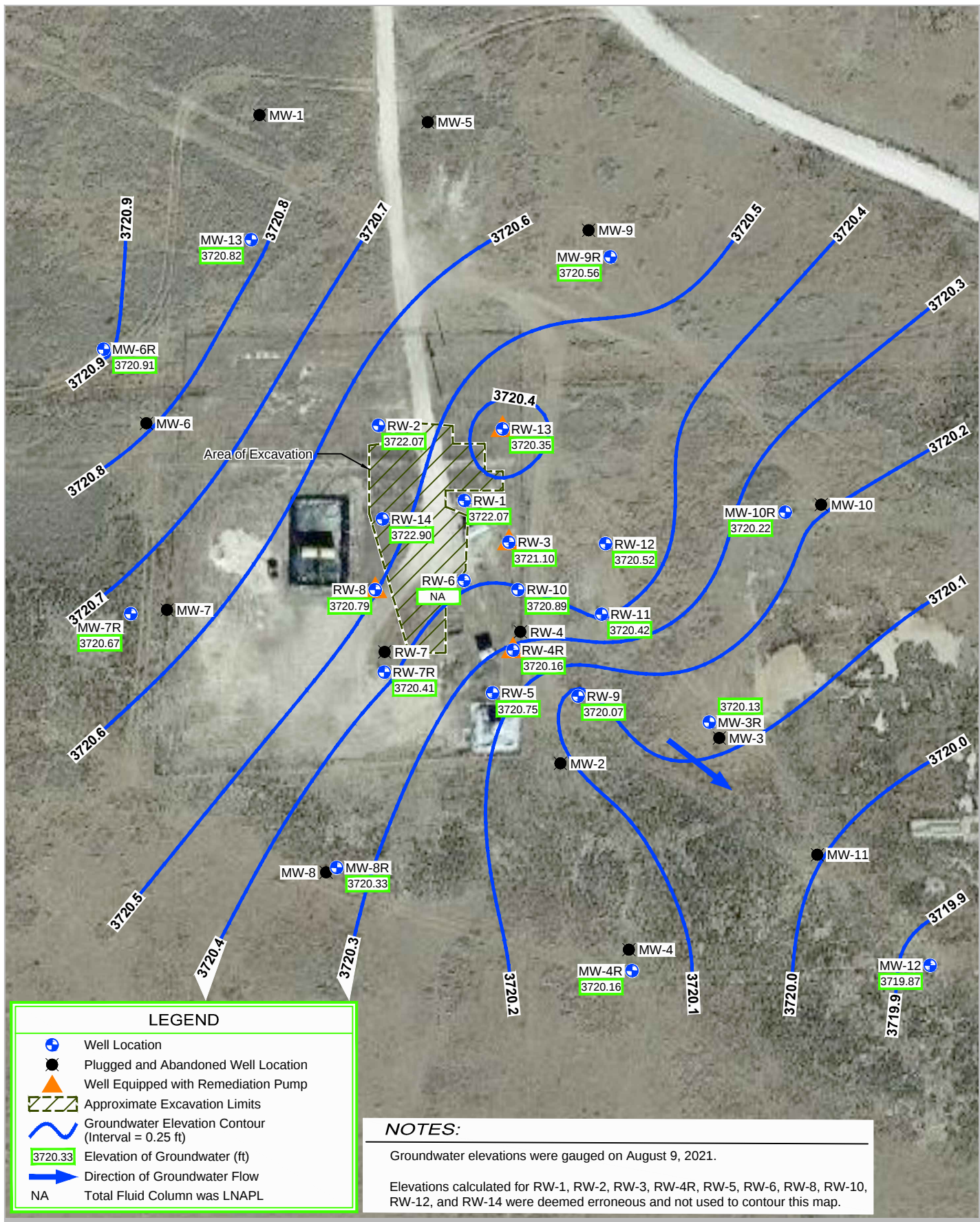


PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DARR ANGELL No.2

**GROUNDWATER GRADIENT MAP -
MAY 10, 2021**

Project No. 11209891
Date January 2022

FIGURE 4

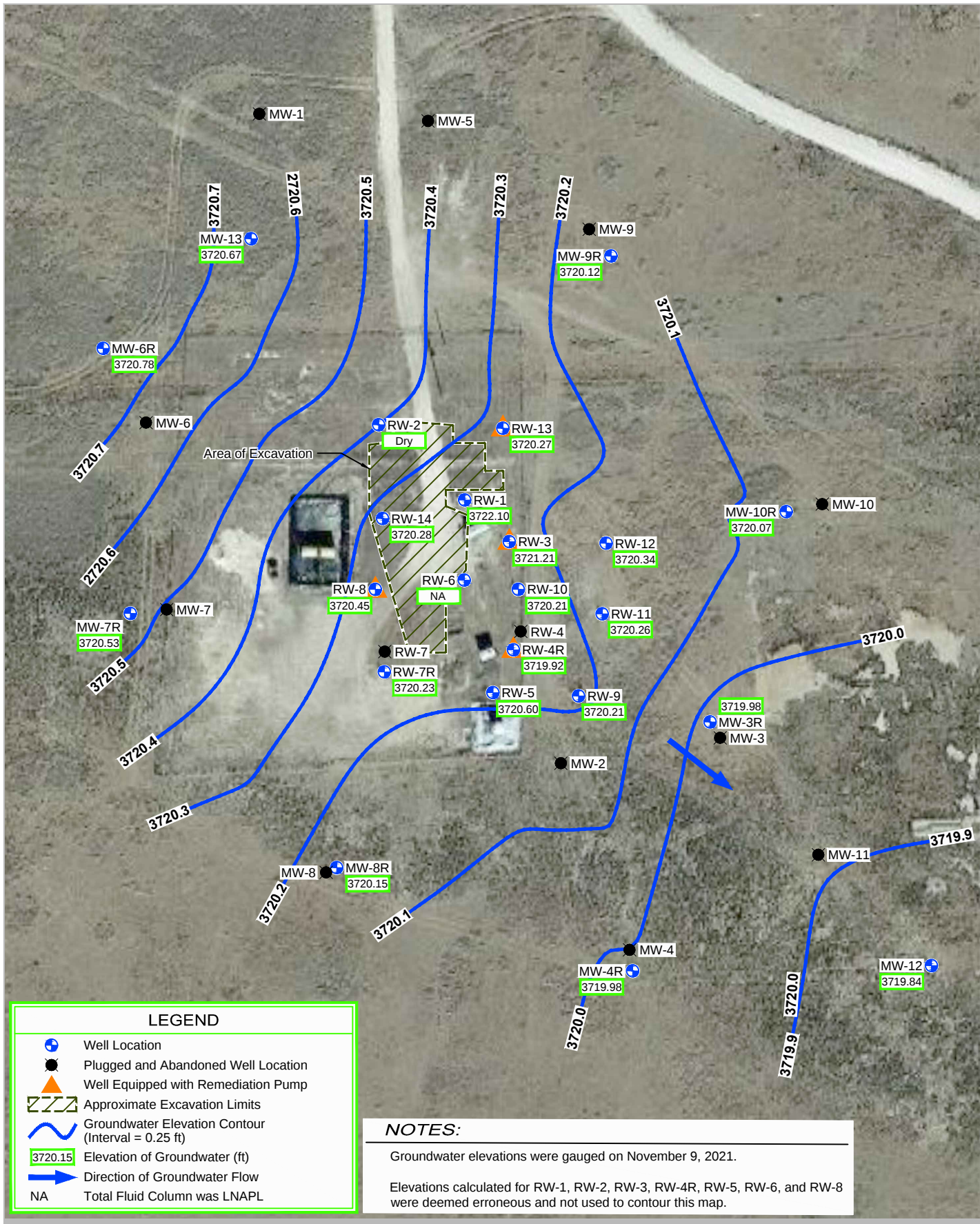


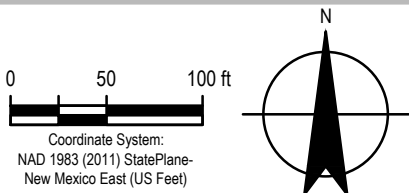
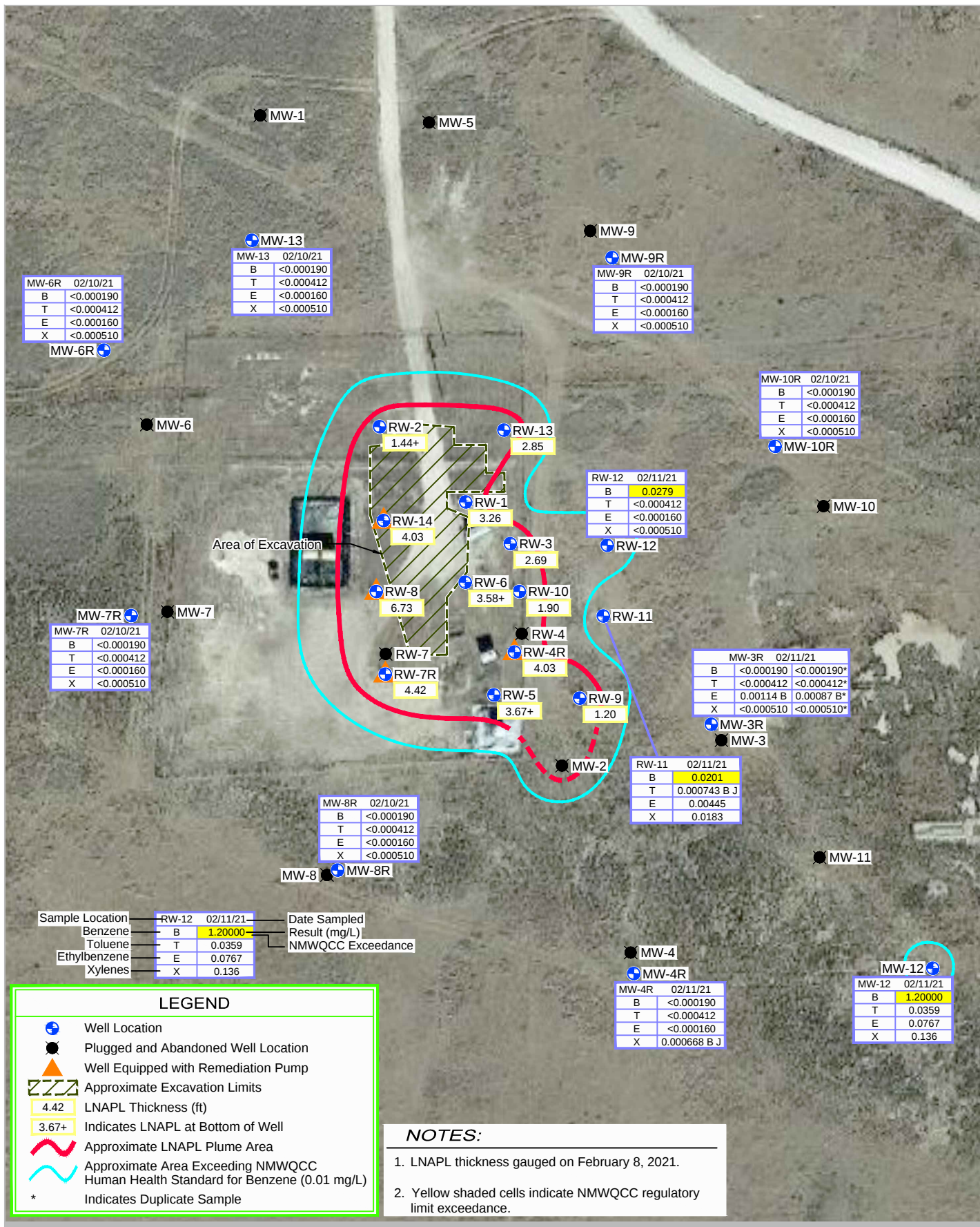
PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DARR ANGELL No.2

Project No. 11209891
Date January 2022

**GROUNDWATER GRADIENT MAP -
AUGUST 9, 2021**

FIGURE 5



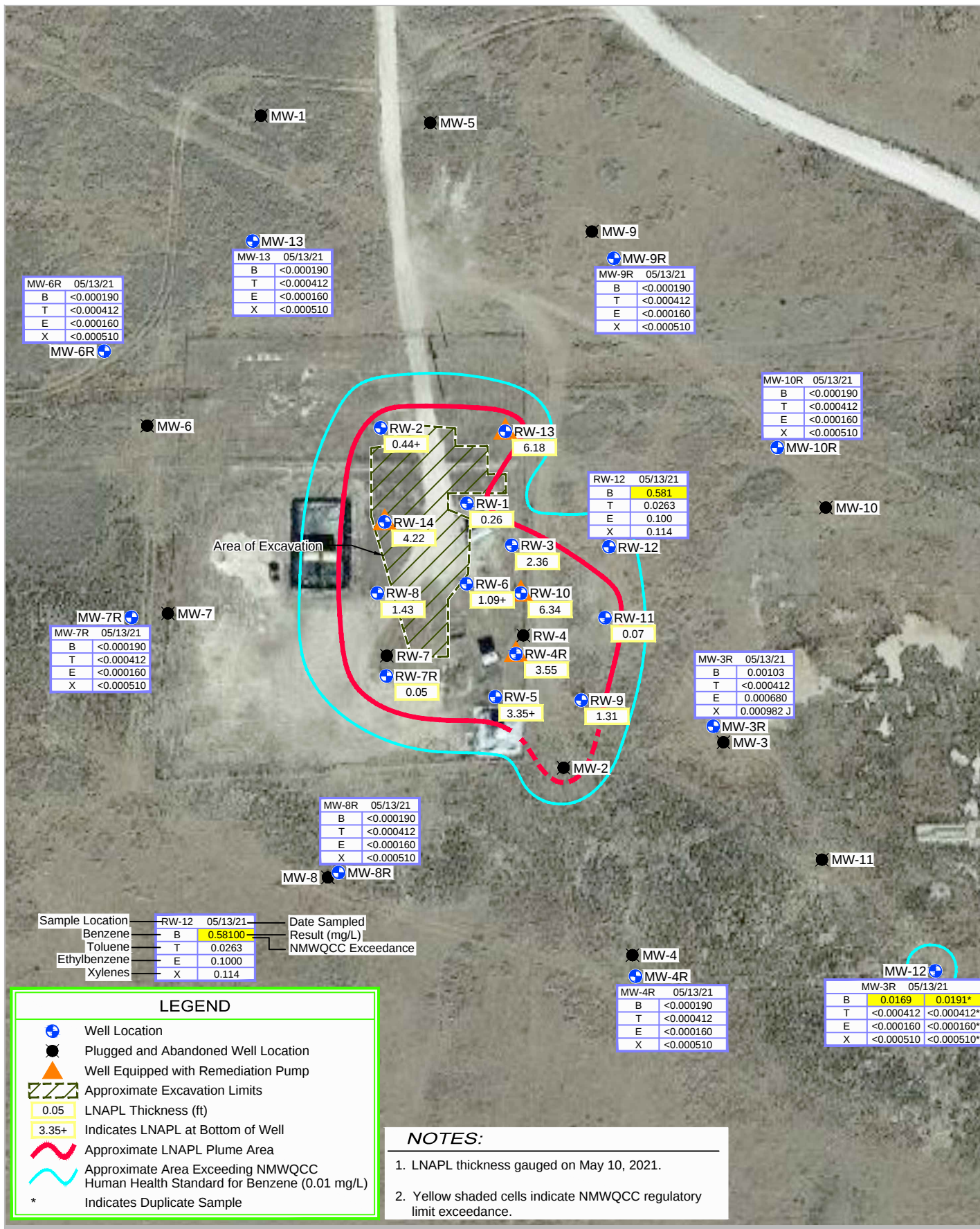


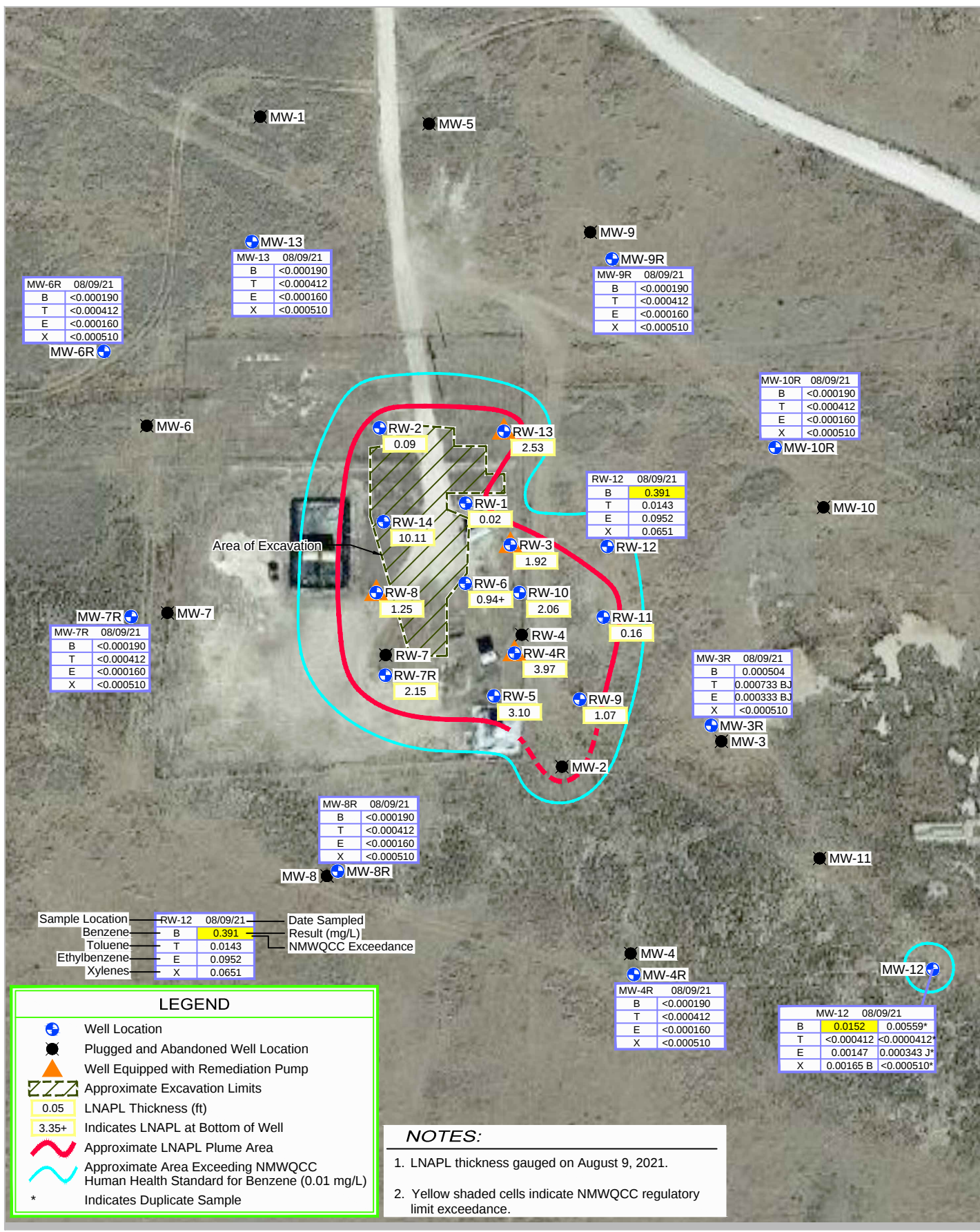
PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DARR ANGELL No.2

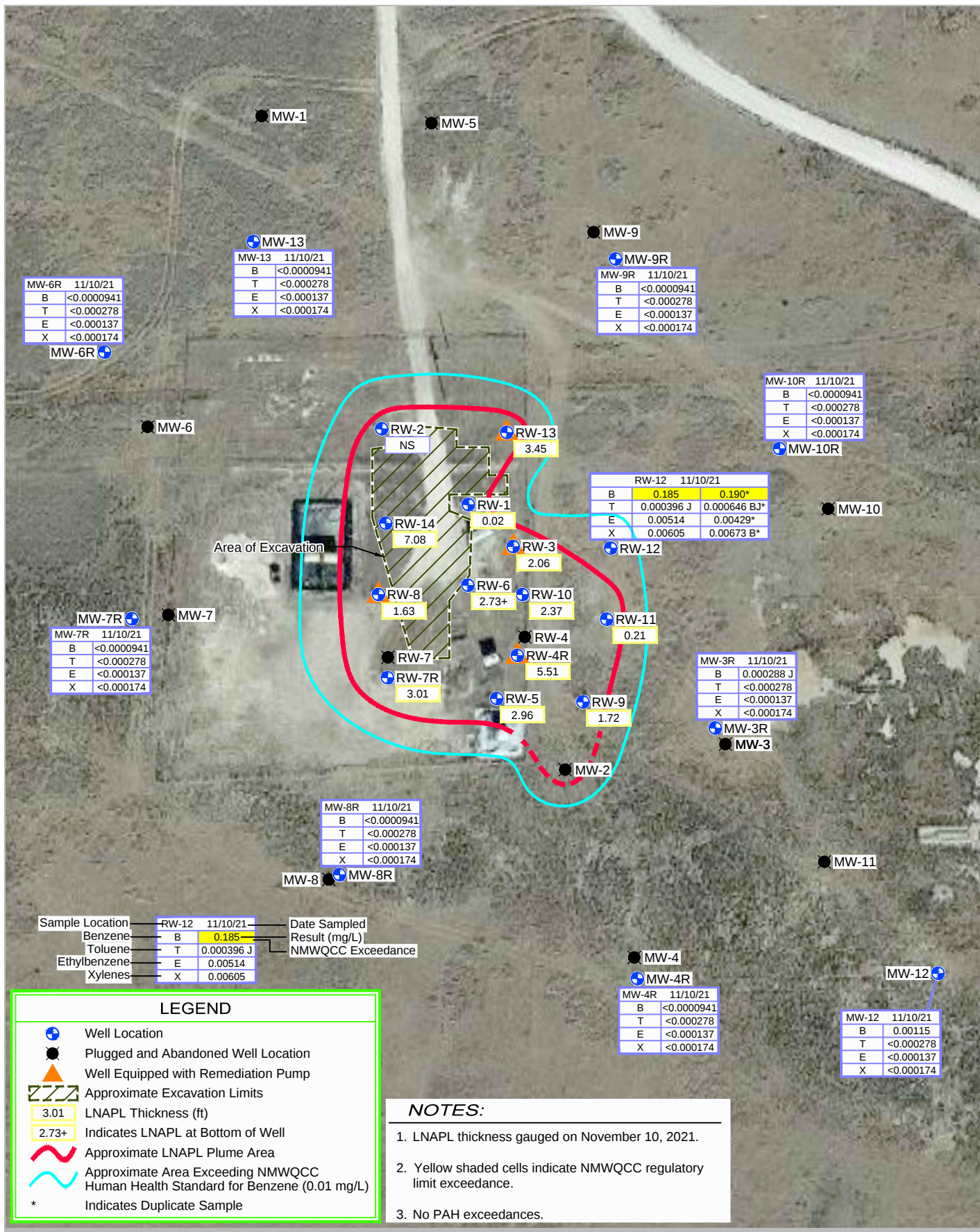
**LNAPL THICKNESS AND GROUNDWATER
BTEX CONCENTRATION MAP**
FEBRUARY 11, 2021

Project No. 11209891
Date January 2022

FIGURE 7







Tables

Table 1
Monthly Gauging and Elevation of the Potentiometric Surface Data for 2020-2021
Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-01	P&A	2/19/20	-	-	-	-	-	-	-	-	-
MW-02	P&A	2/19/20	-	-	-	-	-	-	-	-	-
MW-03	P&A	2/19/20	-	-	-	-	-	-	-	-	-
MW-3R	3789.51	2/20/20	-	-	-	-	-	-	-	20	-
MW-3R	3789.51	2/26/20	68.19	-	0.00	3721.32	90.26	63-88 (2 in.)	-	-	-
MW-3R	3789.51	3/23/20	68.34	-	0.00	3721.17	90.32	2 in.	-	11	-
MW-3R	3789.51	5/1/20	68.41	-	0.00	3721.10	-	-	-	-	-
MW-3R	3789.51	5/11/20	68.42	-	0.00	3721.09	-	-	-	10.5	-
MW-3R	3789.51	6/18/20	68.48	-	0.00	3721.03	-	-	-	-	-
MW-3R	3789.51	7/27/20	68.57	-	0.00	3720.94	-	-	-	-	-
MW-3R	3789.51	8/27/20	68.66	-	0.00	3720.85	-	-	-	-	-
MW-3R	3789.51	9/15/20	68.68	-	0.00	3720.83	90.32	-	-	10.6	-
MW-3R	3789.51	10/28/20	68.79	-	0.00	3720.72	-	-	-	11.0	-
MW-3R	3789.51	12/7/20	68.88	-	0.00	3720.63	-	-	-	-	-
MW-3R	3789.51	1/25/21	68.98	-	0.00	3720.53	-	-	-	-	-
MW-3R	3789.51	2/8/21	69.02	-	0.00	3720.49	90.36	-	-	10.50	-
MW-3R	3789.51	3/22/21	69.09	-	0.00	3720.42	-	-	-	10.50	-
MW-3R	3789.51	4/26/21	69.16	-	0.00	3720.35	-	-	-	-	-
MW-3R	3789.51	5/10/21	69.23	-	0.00	3720.28	-	-	-	10.50	-
MW-3R	3789.51	7/28/21	69.37	-	0.00	3720.14	-	-	-	-	-
MW-3R	3789.51	8/9/21	69.38	-	0.00	3720.13	90.40	-	-	10.50	-
MW-3R	3789.51	9/29/21	69.50	-	0.00	3720.01	90.36	-	-	-	-
MW-3R	3789.51	10/26/21	69.50	-	0.00	3720.01	90.36	-	-	-	-
MW-3R	3789.51	11/9/21	69.53	-	0.00	3719.98	90.36	-	-	10.00	-
MW-3R	3789.51	12/21/21	69.62	-	0.00	3719.89	90.36	-	-	-	-
MW-04R	3789.17	2/10/20	67.90	-	0.00	3721.27	85.97	59.5-89.5 (2 in.)	-	9.0	-
MW-04R	3789.17	5/1/20	68.09	-	0.00	3721.08	-	-	-	-	-
MW-04R	3789.17	5/11/20	68.03	-	0.00	3721.14	-	-	-	9.0	-
MW-04R	3789.17	6/18/20	68.11	-	0.00	3721.06	-	-	-	-	-
MW-04R	3789.17	7/27/20	68.20	-	0.00	3720.97	-	-	-	-	-
MW-04R	3789.17	8/27/20	68.28	-	0.00	3720.89	-	-	-	-	-
MW-04R	3789.17	9/15/20	68.35	-	0.00	3720.82	85.97	-	-	8.6	-
MW-04R	3789.17	10/28/20	68.41	-	0.00	3720.76	-	-	-	8.5	-
MW-04R	3789.17	12/7/20	68.52	-	0.00	3720.65	-	-	-	8.5	-
MW-04R	3789.17	1/25/21	68.62	-	0.00	3720.55	-	-	-	-	-

Table 1
Monthly Gauging and Elevation of the Potentiometric Surface Data for 2020-2021
Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-04R	3789.17	2/8/21	68.05	-	0.00	3721.12	85.82	-	-	8.5	-
MW-04R	3789.17	3/22/21	68.73	-	0.00	3720.44	-	-	-	-	-
MW-04R	3789.17	4/26/21	68.78	-	0.00	3720.39	-	-	-	-	-
MW-04R	3789.17	5/10/21	68.84	-	0.00	3720.33	-	-	-	8.5	-
MW-04R	3789.17	7/28/21	68.99	-	0.00	3720.18	-	-	-	-	-
MW-04R	3789.17	8/9/21	69.01	-	0.00	3720.16	85.84	-	-	8.25	-
MW-04R	3789.17	9/29/21	69.13	-	0.00	3720.04	85.82	-	-	-	-
MW-04R	3789.17	10/26/21	69.14	-	0.00	3720.03	85.82	-	-	-	-
MW-04R	3789.17	11/9/21	69.19	-	0.00	3719.98	85.52	-	-	8	-
MW-04R	3789.17	12/21/21	69.24	-	0.00	3719.93	85.52	-	-	-	-
MW-06	P&A	2/19/20	-	-	-	-	-	-	-	-	-
MW-6R	3789.79	2/24/20	-	-	-	-	-	-	-	15	-
MW-6R	3789.79	2/26/20	67.65	-	0.00	3722.14	90.05	58-88 (2 in.)	-	-	-
MW-6R	3789.79	3/23/20	67.80	-	0.00	3721.99	90.05	2 in.	-	11	-
MW-6R	3789.79	5/1/20	67.87	-	0.00	3721.92	-	-	-	-	-
MW-6R	3789.79	5/11/20	67.86	-	0.00	3721.93	-	-	-	11	-
MW-6R	3789.79	6/18/20	67.94	-	0.00	3721.85	-	-	-	-	-
MW-6R	3789.79	7/27/20	68.04	-	0.00	3721.75	-	-	-	-	-
MW-6R	3789.79	8/27/20	68.12	-	0.00	3721.67	-	-	-	-	-
MW-6R	3789.79	9/15/20	68.17	-	0.00	3721.62	90.05	-	-	10.6	-
MW-6R	3789.79	10/28/20	68.29	-	0.00	3721.50	-	-	-	10	-
MW-6R	3789.79	12/7/20	68.35	-	0.00	3721.44	-	-	-	-	-
MW-6R	3789.79	1/25/21	68.48	-	0.00	3721.31	-	-	-	-	-
MW-6R	3789.79	2/8/21	68.51	-	0.00	3721.28	90.09	-	-	11.00	-
MW-6R	3789.79	3/22/21	68.59	-	0.00	3721.20	-	-	-	-	-
MW-6R	3789.79	4/26/21	68.64	-	0.00	3721.15	-	-	-	-	-
MW-6R	3789.79	5/10/21	68.70	-	0.00	3721.09	-	-	-	10.50	-
MW-6R	3789.79	7/28/21	68.85	-	0.00	3720.94	-	-	-	-	-
MW-6R	3789.79	8/9/21	68.88	-	0.00	3720.91	90.07	-	-	10.50	-
MW-6R	3789.79	9/29/21	68.98	-	0.00	3720.81	90.09	-	-	-	-
MW-6R	3789.79	10/26/21	68.97	-	0.00	3720.82	90.09	-	-	-	-
MW-6R	3789.79	11/9/21	69.01	-	0.00	3720.78	90.09	-	-	10.50	-
MW-6R	3789.79	12/21/21	69.08	-	0.00	3720.71	90.09	-	-	-	-
MW-07	P&A	2/19/20	-	-	-	-	-	-	-	-	-
MW-7R	3790.51	2/21/20	-	-	-	-	-	-	-	15	-

Table 1
Monthly Gauging and Elevation of the Potentiometric Surface Data for 2020-2021
Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-7R	3790.51	2/26/20	68.61	-	0.00	3721.90	90.00	58-88 (2 in.)	-	-	-
MW-7R	3790.51	3/23/20	68.79	-	0.00	3721.72	90.00	-	-	11	-
MW-7R	3790.51	5/1/20	68.84	-	0.00	3721.67	-	-	-	-	-
MW-7R	3790.51	5/11/20	68.81	-	0.00	3721.70	-	-	-	10.5	-
MW-7R	3790.51	6/18/20	68.91	-	0.00	3721.60	-	-	-	-	-
MW-7R	3790.51	7/27/20	69.00	-	0.00	3721.51	-	-	-	-	-
MW-7R	3790.51	8/27/20	69.10	-	0.00	3721.41	-	-	-	-	-
MW-7R	3790.51	9/15/20	69.15	-	0.00	3721.36	90.00	-	-	10	-
MW-7R	3790.51	10/28/20	69.24	-	0.00	3721.27	-	-	-	11	-
MW-7R	3790.51	12/7/20	69.32	-	0.00	3721.19	-	-	-	-	-
MW-7R	3790.51	1/25/21	69.42	-	0.00	3721.09	-	-	-	-	-
MW-7R	3790.51	2/8/21	69.46	-	0.00	3721.05	90.20	-	-	10.50	-
MW-7R	3790.51	3/22/21	69.52	-	0.00	3720.99	-	-	-	-	-
MW-7R	3790.51	4/26/21	69.60	-	0.00	3720.91	-	-	-	-	-
MW-7R	3790.51	5/10/21	69.66	-	0.00	3720.85	-	-	-	10.00	-
MW-7R	3790.51	7/28/21	69.82	-	0.00	3720.69	-	-	-	-	-
MW-7R	3790.51	8/9/21	69.84	-	0.00	3720.67	90.09	-	-	10.00	-
MW-7R	3790.51	9/29/21	69.95	-	0.00	3720.56	90.20	-	-	-	-
MW-7R	3790.51	10/26/21	69.95	-	0.00	3720.56	90.20	-	-	-	-
MW-7R	3790.51	11/9/21	69.98	-	0.00	3720.53	90.20	-	-	10.00	-
MW-7R	3790.51	12/21/21	70.05	-	0.00	3720.46	90.20	-	-	-	-
MW-08	P&A	2/19/20	-	-	-	-	-	-	-	-	-
MW-8R	3788.75	2/19/20	-	-	-	-	-	-	-	15	-
MW-8R	3788.75	2/26/20	67.22	-	0.00	3721.53	90.64	63-88 (2 in.)	-	-	-
MW-8R	3788.75	3/23/20	67.39	-	0.00	3721.36	90.54	2 in.	-	11	-
MW-8R	3788.75	5/1/20	67.45	-	0.00	3721.30	-	-	-	-	-
MW-8R	3788.75	5/11/20	67.41	-	0.00	3721.34	-	-	-	11.5	-
MW-8R	3788.75	6/18/20	67.51	-	0.00	3721.24	-	-	-	-	-
MW-8R	3788.75	7/27/20	67.61	-	0.00	3721.14	-	-	-	-	-
MW-8R	3788.75	8/27/20	67.68	-	0.00	3721.07	-	-	-	-	-
MW-8R	3788.75	9/15/20	67.73	-	0.00	3721.02	90.54	-	-	11	-
MW-8R	3788.75	10/28/20	67.85	-	0.00	3720.90	-	-	-	11	-
MW-8R	3788.75	12/7/20	67.92	-	0.00	3720.83	-	-	-	-	-
MW-8R	3788.75	1/25/21	68.02	-	0.00	3720.73	-	-	-	-	-
MW-8R	3788.75	2/8/21	68.05	-	0.00	3720.70	90.38	-	-	11.00	-
MW-8R	3788.75	3/22/21	68.12	-	0.00	3720.63	-	-	-	-	-
MW-8R	3788.75	4/26/21	68.19	-	0.00	3720.56	-	-	-	-	-
MW-8R	3788.75	5/10/21	68.24	-	0.00	3720.51	-	-	-	11.00	-

Table 1
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Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-8R	3788.75	7/28/21	68.42	-	0.00	3720.33	-	-	-	-	-
MW-8R	3788.75	8/9/21	68.42	-	0.00	3720.33	-	-	-	11.00	-
MW-8R	3788.75	9/29/21	68.58	-	0.00	3720.17	-	-	-	-	-
MW-8R	3788.75	10/26/21	68.57	-	0.00	3720.18	90.38	-	-	-	-
MW-8R	3788.75	11/9/21	68.60	-	0.00	3720.15	90.38	-	-	11.00	-
MW-8R	3788.75	12/21/21	68.69	-	0.00	3720.06	90.38	-	-	-	-
MW-09	P&A	2/19/20	-	-	-	-	-	-	-	-	-
MW-9R	3789.02	2/20/20	-	-	-	-	-	-	-	15	-
MW-9R	3789.02	2/26/20	67.23	-	0.00	3721.79	89.85	58-88 (2 in.)	-	-	-
MW-9R	3789.02	3/23/20	67.39	-	0.00	3721.63	90.50	2 in.	-	11	-
MW-9R	3789.02	5/1/20	67.46	-	0.00	3721.56	-	-	-	-	-
MW-9R	3789.02	5/11/20	67.48	-	0.00	3721.54	-	-	-	11.5	-
MW-9R	3789.02	6/18/20	67.54	-	0.00	3721.48	-	-	-	-	-
MW-9R	3789.02	7/27/20	67.61	-	0.00	3721.41	-	-	-	-	-
MW-9R	3789.02	8/27/20	67.71	-	0.00	3721.31	-	-	-	-	-
MW-9R	3789.02	9/15/20	67.75	-	0.00	3721.27	90.50	-	-	11	-
MW-9R	3789.02	10/28/20	67.84	-	0.00	3721.18	-	-	-	11	-
MW-9R	3789.02	12/7/20	67.94	-	0.00	3721.08	-	-	-	-	-
MW-9R	3789.02	1/25/21	68.05	-	0.00	3720.97	-	-	-	-	-
MW-9R	3789.02	2/8/21	68.07	-	0.00	3720.95	89.97	-	-	11.00	-
MW-9R	3789.02	3/22/21	68.07	-	0.00	3720.95	-	-	-	-	-
MW-9R	3789.02	4/26/21	68.21	-	0.00	3720.81	-	-	-	-	-
MW-9R	3789.02	5/10/21	68.27	-	0.00	3720.75	-	-	-	11.00	-
MW-9R	3789.02	7/28/21	68.44	-	0.00	3720.58	-	-	-	-	-
MW-9R	3789.02	8/9/21	68.46	-	0.00	3720.56	89.97	-	-	10.50	-
MW-9R	3789.02	9/29/21	68.55	-	0.00	3720.47	89.97	-	-	-	-
MW-9R	3789.02	10/26/21	68.55	-	0.00	3720.47	89.97	-	-	-	-
MW-9R	3789.02	11/9/21	68.60	-	0.00	3720.42	89.97	-	-	10.50	-
MW-9R	3789.02	12/21/21	68.67	-	0.00	3720.35	89.97	-	-	-	-
MW-10	P&A	2/19/20	-	-	-	-	-	-	-	-	-
MW-10R	3788.90	2/26/20	67.47	-	0.00	3721.43	90.20	58-88 (2 in.)	-	-	-
MW-10R	3788.90	3/23/20	67.62	-	0.00	3721.28	90.25	2 in.	-	11	-
MW-10R	3788.90	5/1/20	67.70	-	0.00	3721.20	-	-	-	-	-
MW-10R	3788.90	5/11/20	67.70	-	0.00	3721.20	-	-	-	11	-
MW-10R	3788.90	6/18/20	67.77	-	0.00	3721.13	-	-	-	-	-
MW-10R	3788.90	7/27/20	67.84	-	0.00	3721.06	-	-	-	-	-

Table 1
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Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-10R	3788.90	8/27/20	67.94	-	0.00	3720.96	-	-	-	-	-
MW-10R	3788.90	9/15/20	67.97	-	0.00	3720.93	90.25	-	-	10.9	-
MW-10R	3788.90	10/28/20	68.06	-	0.00	3720.84	-	-	-	11.0	-
MW-10R	3788.90	12/7/20	68.17	-	0.00	3720.73	-	-	-	-	-
MW-10R	3788.90	1/25/21	68.27	-	0.00	3720.63	-	-	-	-	-
MW-10R	3788.90	2/8/21	68.30	-	0.00	3720.60	89.61	-	-	11.00	-
MW-10R	3788.90	3/22/21	68.38	-	0.00	3720.52	-	-	-	-	-
MW-10R	3788.90	4/26/21	68.43	-	0.00	3720.47	-	-	-	-	-
MW-10R	3788.90	5/10/21	68.49	-	0.00	3720.41	-	-	-	10.50	-
MW-10R	3788.90	7/28/21	68.65	-	0.00	3720.25	-	-	-	-	-
MW-10R	3788.90	8/9/21	68.68	-	0.00	3720.22	90.33	-	-	10.50	-
MW-10R	3788.90	9/29/21	68.79	-	0.00	3720.11	89.61	-	-	-	-
MW-10R	3788.90	10/26/21	68.80	-	0.00	3720.10	89.61	-	-	-	-
MW-10R	3788.90	11/9/21	68.83	-	0.00	3720.07	89.61	-	-	10.50	-
MW-10R	3788.90	12/21/21	68.91	-	0.00	3719.99	89.61	-	-	-	-
MW-11	P&A	2/19/20	-	-	-	-	-	-	-	-	-
MW-12	3789.64	2/10/20	68.64	-	0.00	3721.00	85.76	45-65 (2 in.)	-	9.0	-
MW-12	3789.64	5/1/20	68.80	-	0.00	3720.84	-	-	-	-	-
MW-12	3789.64	5/11/20	68.79	-	0.00	3720.85	-	-	-	8.5	-
MW-12	3789.64	6/18/20	68.86	-	0.00	3720.78	-	-	-	-	-
MW-12	3789.64	7/27/20	68.94	-	0.00	3720.70	-	-	-	-	-
MW-12	3789.64	8/27/20	69.04	-	0.00	3720.60	-	-	-	-	-
MW-12	3789.64	9/15/20	69.06	-	0.00	3720.58	85.76	-	-	8.0	-
MW-12	3789.64	10/28/20	69.15	-	0.00	3720.49	-	-	-	8.0	-
MW-12	3789.64	12/7/20	69.25	-	0.00	3720.39	-	-	-	-	-
MW-12	3789.64	1/25/21	69.36	-	0.00	3720.28	-	-	-	-	-
MW-12	3789.64	2/8/21	69.39	-	0.00	3720.25	85.65	-	-	8.00	-
MW-12	3789.64	2/8/21	69.50	-	0.00	3720.14	-	-	-	-	-
MW-12	3789.64	4/26/21	69.53	-	0.00	3720.11	-	-	-	-	-
MW-12	3789.64	5/10/21	69.56	-	0.00	3720.08	-	-	-	8.00	-
MW-12	3789.64	7/28/21	69.72	-	0.00	3719.92	-	-	-	-	-
MW-12	3789.64	8/9/21	69.77	-	0.00	3719.87	85.65	-	-	8.00	-
MW-12	3789.64	9/29/21	69.86	-	0.00	3719.78	89.90	-	-	-	-
MW-12	3789.64	10/26/21	69.87	-	0.00	3719.77	89.90	-	-	-	-
MW-12	3789.64	11/9/21	69.80	-	0.00	3719.84	89.90	-	-	10.00	-
MW-12	3789.64	12/21/21	69.99	-	0.00	3719.65	89.90	-	-	-	-
MW-13	3789.7	2/20/20	-	-	-	-	-	-	-	15.0	-

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Lea County, Mexico
NMOCD AP-007

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-13	3789.70	2/26/20	67.65	-	0.00	3722.05	90.00	58-88 (2 in.)	-	-	-
MW-13	3789.70	3/23/20	67.80	-	0.00	3721.90	90.05	2 in.	-	11.0	-
MW-13	3789.70	5/1/20	67.88	-	0.00	3721.82	-	-	-	-	-
MW-13	3789.70	5/11/20	67.89	-	0.00	3721.81	-	-	-	11.0	-
MW-13	3789.70	6/18/20	67.94	-	0.00	3721.76	-	-	-	-	-
MW-13	3789.70	7/27/20	68.02	-	0.00	3721.68	-	-	-	-	-
MW-13	3789.70	8/27/20	68.12	-	0.00	3721.58	-	-	-	-	-
MW-13	3789.70	9/15/20	68.15	-	0.00	3721.55	90.05	-	-	10.6	-
MW-13	3789.70	10/28/20	68.29	-	0.00	3721.41	-	-	-	11.0	-
MW-13	3789.70	12/7/20	68.45	-	0.00	3721.25	-	-	-	-	-
MW-13	3789.70	1/25/21	68.48	-	0.00	3721.22	-	-	-	-	-
MW-13	3789.70	2/8/21	68.53	-	0.00	3721.17	90.18	-	-	11.00	-
MW-13	3789.70	3/22/21	68.55	-	0.00	3721.15	-	-	-	-	-
MW-13	3789.70	4/26/21	68.64	-	0.00	3721.06	-	-	-	-	-
MW-13	3789.70	5/10/21	68.69	-	0.00	3721.01	-	-	-	11.00	-
MW-13	3789.70	7/28/21	68.83	-	0.00	3720.87	-	-	-	-	-
MW-13	3789.70	8/9/21	68.88	-	0.00	3720.82	89.93	-	-	10.50	-
MW-13	3789.70	9/29/21	69.01	-	0.00	3720.69	90.18	-	-	-	-
MW-13	3789.70	10/26/21	69.00	-	0.00	3720.70	90.18	-	-	-	-
MW-13	3789.70	11/9/21	69.03	-	0.00	3720.67	90.18	-	-	10.50	-
MW-13	3789.70	12/21/21	69.12	-	0.00	3720.58	90.18	-	-	-	-
RW-01	3789.85	1/8/20	-	-	-	-	-	-	1.0	0.0	-
RW-01	3789.85	1/14/20	-	-	-	-	-	-	1.5	0.2	-
RW-01	3789.85	2/10/20	68.14	66.76	1.38	3722.83	68.18	40-65 (4 in.)	-	-	-
RW-01	3789.85	2/25/20	-	-	-	-	-	-	0.1	0.2	-
RW-01	3789.85	5/1/20	-	66.92	1.13+	LNAPL at TD	68.05	-	-	-	-
RW-01	3789.85	5/11/20	68.01	66.93	1.08	3722.71	-	-	-	-	-
RW-01	3789.85	6/18/20	68.04	67.02	1.02	3722.64	-	-	-	-	-
RW-01	3789.85	7/27/20	-	67.06	0.79+	LNAPL at TD	67.85	-	-	-	-
RW-01	3789.85	8/27/20	-	67.13	0.73+	LNAPL at TD	67.86	-	-	-	-
RW-01	3789.85	9/15/20	-	67.21	0.83+	LNAPL at TD	68.04	-	-	-	-
RW-01	3789.85	10/28/20	-	67.29	0.47+	LNAPL at TD	67.76	-	-	-	-
RW-01	3789.85	12/7/20	-	67.36	0.53+	LNAPL at TD	67.89	-	-	-	-
RW-01	3789.85	1/25/21	67.98	67.50	0.39	3722.19	-	-	-	-	-
RW-01	3789.85	2/8/21	-	67.51	0.69+	LNAPL at TD	68.20	-	-	-	-
RW-01	3789.85	3/22/21	67.93	67.56	0.37	3722.22	68.20	-	-	-	-
RW-01	3789.85	4/26/21	68.05	67.55	0.50	3722.21	68.20	-	-	-	-
RW-01	3789.85	5/10/21	67.86	67.60	0.26	3722.20	68.20	-	-	-	-
RW-01	3789.85	7/28/21	-	67.77	0.43+	LNAPL at TD	68.20	-	-	-	-

Table 1
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Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
RW-01	3789.85	8/9/21	67.80	67.78	0.02	3722.07	68.20	-	-	-	-
RW-01	3789.85	9/29/21	-	-	-	DRY	67.80	-	-	-	-
RW-01	3789.85	10/11/21	67.79	67.77	0.02	3722.08	68.20	-	-	-	-
RW-01	3789.85	10/26/21	67.81	67.80	0.01	3722.05	68.20	-	-	-	-
RW-01	3789.85	11/9/21	67.77	67.75	0.02	3722.10	68.20	-	-	-	-
RW-01	3789.85	12/21/21	68.12	67.91	0.21	3721.90	68.20	-	-	-	-
RW-02	3790.24	1/8/20	-	-	-	-	-	-	1.0	0.0	-
RW-02	3790.24	1/14/20	-	-	-	-	-	-	0.0	1.0	-
RW-02	3790.24	2/10/20	-	67.09	1.43+	LNAPL at TD	68.52	-	-	-	-
RW-02	3790.24	5/1/20	-	67.21	1.19+	LNAPL at TD	68.40	-	-	-	-
RW-02	3790.24	5/11/20	68.52	67.24	1.28	3722.76	-	-	-	-	-
RW-02	3790.24	6/18/20	68.40	67.33	1.07	3722.71	-	-	-	-	-
RW-02	3790.24	7/27/20	-	67.37	0.83+	LNAPL at TD	68.20	-	-	-	-
RW-02	3790.24	8/27/20	-	67.42	0.82+	LNAPL at TD	68.24	-	-	-	-
RW-02	3790.24	9/15/20	-	67.52	0.90+	LNAPL at TD	68.42	-	-	-	-
RW-02	3790.24	10/28/20	-	67.61	0.80+	LNAPL at TD	68.41	-	-	-	-
RW-02	3790.24	12/7/20	68.43	67.69	0.74	3722.41	-	-	-	-	-
RW-02	3790.24	1/25/21	-	67.78	0.74+	LNAPL at TD	68.52	-	-	-	-
RW-02	3790.24	2/8/21	-	67.09	1.44+	LNAPL at TD	68.53	-	-	-	-
RW-02	3790.24	3/22/21	-	67.90	0.50+	LNAPL at TD	68.40	-	-	-	-
RW-02	3790.24	4/26/21	68.78	67.94	0.84	3722.14	-	-	-	-	-
RW-02	3790.24	5/10/21	-	67.96	0.44+	LNAPL at TD	68.40	-	-	-	-
RW-02	3790.24	7/28/21	-	68.11	0.03+	LNAPL at TD	68.14	-	-	-	-
RW-02	3790.24	8/9/21	68.24	68.15	0.09	3722.07	-	-	-	-	-
RW-02	3790.24	9/29/21	-	-	-	Dry	68.53	-	-	-	-
RW-02	3790.24	10/26/21	-	68.51	0.02+	LNAPL at TD	68.53	-	-	-	-
RW-02	3790.24	11/9/21	-	-	-	Dry	68.53	-	-	-	-
RW-02	3790.24	12/21/21	-	-	-	Dry	68.53	-	-	-	-
RW-03	3790.24	2/10/20	70.75	67.32	3.43	3722.27	71.30	48-68 (4 in.)	-	-	-
RW-03	3790.24	5/1/20	-	-	-	-	-	-	-	-	-
RW-03	3790.24	5/11/20	70.75	67.82	2.93	3721.86	-	-	-	-	-
RW-03	3790.24	6/18/20	70.73	67.61	3.12	3722.04	-	-	-	-	-
RW-03	3790.24	7/27/20	70.71	67.65	3.06	3722.01	-	-	-	-	-
RW-03	3790.24	8/27/20	70.71	67.70	3.01	3721.97	-	-	-	-	-
RW-03	3790.24	9/15/20	70.71	67.78	2.93	3721.90	-	-	-	-	-
RW-03	3790.24	10/28/20	70.71	67.88	2.83	3721.82	-	-	-	-	-
RW-03	3790.24	12/7/20	70.71	67.88	2.83	3721.82	-	-	-	-	-
RW-03	3790.24	1/25/21	70.76	68.05	2.71	3721.68	-	-	-	-	-

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Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
RW-03	3790.24	2/8/21	70.77	68.08	2.69	3721.65	71.27	-	-	-	-
RW-03	3790.24	3/22/21	70.73	68.19	2.54	3721.57	-	-	-	-	-
RW-03	3790.24	4/26/21	70.70	68.72	1.98	3721.14	-	-	-	-	-
RW-03	3790.24	5/10/21	70.65	68.29	2.36	3721.50	-	-	-	-	-
RW-03	3790.24	7/28/21	70.71	68.45	2.26	3721.36	-	-	-	-	-
RW-03	3790.24	8/9/21	70.70	68.78	1.92	3721.10	-	-	-	-	-
RW-03	3790.24	9/29/21	70.73	68.58	2.15	3721.25	71.27	-	-	-	-
RW-03	3790.24	10/26/21	70.73	68.60	2.13	3721.24	71.27	-	-	-	-
RW-03	3790.24	11/9/21	70.70	68.64	2.06	3721.21	71.27	-	-	-	-
RW-03	3790.24	12/21/21	70.73	68.75	1.98	3721.11	71.27	-	-	-	-
RW-04	P&A	2/19/20	-	-	-	-	-	-	-	-	-
RW-4R	3789.19	2/24/20	-	-	-	-	-	-	-	45	-
RW-4R	3789.19	2/26/20	67.69	67.60	0.09	3721.57	90.11	58-88 (4 in.)	-	-	-
RW-4R	3789.19	3/23/20	69.05	67.53	1.52	3721.37	90.05	4 in.	-	-	-
RW-4R	3789.19	5/1/20	72.04	66.96	5.08	3721.26	-	-	-	-	-
RW-4R	3789.19	5/11/20	72.51	66.89	5.62	3721.23	-	-	-	-	-
RW-4R	3789.19	6/18/20	-	-	-	-	-	-	-	-	-
RW-4R	3789.19	7/27/20	-	-	-	-	-	-	-	-	-
RW-4R	3789.19	8/27/20	-	-	-	-	-	-	-	-	-
RW-4R	3789.19	9/15/20	72.65	67.21	5.44	3720.95	-	-	-	-	-
RW-4R	3789.19	10/28/20	72.26	67.38	4.88	3720.88	-	-	-	-	-
RW-4R	3789.19	12/7/20	-	-	-	-	-	-	-	-	-
RW-4R	3789.19	1/25/21	-	-	-	-	-	-	-	-	-
RW-4R	3789.19	2/8/21	71.77	67.74	4.03	3720.68	90.31	-	-	-	-
RW-4R	3789.19	3/22/21	-	-	-	-	-	-	-	-	-
RW-4R	3789.19	4/26/21	-	-	-	-	-	-	-	-	-
RW-4R	3789.19	5/10/21	71.58	68.03	3.55	3720.49	-	-	-	-	-
RW-4R	3789.19	7/28/21	-	-	-	-	-	-	-	-	-
RW-4R	3789.19	8/9/21	72.25	68.28	3.97	3720.16	-	-	-	-	-
RW-4R	3789.19	9/29/21	72.46	68.18	4.28	3720.20	90.31	-	-	-	-
RW-4R	3789.19	10/26/21	72.46	68.19	4.27	3720.19	90.31	-	-	-	-
RW-4R	3789.19	11/9/21	73.73	68.22	5.51	3719.92	90.31	-	-	-	-
RW-4R	3789.19	12/21/21	-	-	-	Pump	90.31	-	-	-	-
RW-05	3789.81	1/8/20	-	-	-	-	-	-	1.5	0.5	-
RW-05	3789.81	1/14/20	-	-	-	-	-	-	0.0	1.0	-
RW-05	3789.81	2/10/20	69.87	67.90	1.97	3721.54	71.70	-	-	-	-
RW-05	3789.81	2/25/20	-	-	-	-	-	-	2.4	0.1	-

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Lea County, Mexico
NMOCD AP-007

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
RW-05	3789.81	5/1/20	-	67.48	4.16+	LNAPL at TD	71.64	-	-	-	-
RW-05	3789.81	5/11/20	71.63	67.48	4.15	3721.54	-	-	-	-	-
RW-05	3789.81	6/18/20	-	-	-	-	-	-	-	-	-
RW-05	3789.81	7/27/20	-	-	-	-	-	-	-	-	-
RW-05	3789.81	8/27/20	-	-	-	-	-	-	-	-	-
RW-05	3789.81	9/15/20	69.27	68.64	0.63	3721.05	-	-	-	-	-
RW-05	3789.81	10/28/20	70.76	68.40	2.36	3720.96	-	-	-	-	-
RW-05	3789.81	12/7/20	-	68.18	3.47+	LNAPL at TD	71.65	-	-	-	-
RW-05	3789.81	1/25/21	-	68.07	3.63+	LNAPL at TD	71.70	-	-	-	-
RW-05	3789.81	2/8/21	-	68.01	3.67+	LNAPL at TD	71.68	-	-	-	-
RW-05	3789.81	3/22/21	-	68.17	3.42+	LNAPL at TD	71.59	-	-	-	-
RW-05	3789.81	4/26/21	71.70	68.21	3.49	3720.94	-	-	-	-	-
RW-05	3789.81	5/10/21	-	68.27	3.35+	LNAPL at TD	71.62	-	-	-	-
RW-05	3789.81	7/28/21	71.53	68.45	3.08	3720.77	-	-	-	-	-
RW-05	3789.81	8/9/21	71.57	68.47	3.10	3720.75	-	-	-	-	-
RW-05	3789.81	9/29/21	71.65	68.57	3.08	3720.65	71.68	-	-	-	-
RW-05	3789.81	10/26/21	-	68.60	3.08+	LNAPL at TD	71.68	-	-	-	-
RW-05	3789.81	11/9/21	71.61	68.65	2.96	3720.60	71.68	-	-	-	-
RW-05	3789.81	12/21/21	-	-	-	Pump	71.68	-	-	-	-
RW-06	3789.56	1/14/20	-	-	-	-	-	-	-	-	-
RW-06	3789.56	2/10/20	-	66.63	4.16+	LNAPL at TD	70.79	49-69 (4 in.)	-	-	-
RW-06	3789.56	5/1/20	-	-	-	-	-	-	-	-	-
RW-06	3789.56	5/11/20	70.66	66.82	3.84	3722.01	-	-	-	-	-
RW-06	3789.56	6/18/20	-	-	-	-	-	-	-	-	-
RW-06	3789.56	7/27/20	-	-	-	-	-	-	-	-	-
RW-06	3789.56	8/27/20	-	-	-	-	-	-	-	-	-
RW-06	3789.56	9/15/20	-	67.13	1.61+	LNAPL at TD	68.74	-	-	-	-
RW-06	3789.56	10/28/20	71.63	67.22	4.41	3721.50	-	-	-	-	-
RW-06	3789.56	12/7/20	-	67.29	3.75+	LNAPL at TD	71.04	-	-	-	-
RW-06	3789.56	1/25/21	-	67.40	3.45+	LNAPL at TD	70.85	-	-	-	-
RW-06	3789.56	2/8/21	-	67.42	3.58+	LNAPL at TD	71.00	-	-	-	-
RW-06	3789.56	3/22/21	-	67.52	1.21+	LNAPL at TD	68.73	-	-	-	-
RW-06	3789.56	4/26/21	-	67.50	1.23+	LNAPL at TD	68.73	-	-	-	-
RW-06	3789.56	5/10/21	-	67.62	1.09+	LNAPL at TD	68.71	-	-	-	-
RW-06	3789.56	7/28/21	-	67.82	0.89+	LNAPL at TD	68.71	-	-	-	-
RW-06	3789.56	8/9/21	-	68.11	0.94+	LNAPL at TD	69.05	-	-	-	-
RW-06	3789.56	9/29/21	-	68.23	2.77+	LNAPL at TD	71.00	-	-	-	-
RW-06	3789.56	10/26/21	-	68.23	2.77+	LNAPL at TD	71.00	-	-	-	-
RW-06	3789.56	11/9/21	-	68.27	2.73+	LNAPL at TD	71.00	-	-	-	-

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Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
RW-06	3789.56	12/21/21	-	68.12	2.88+	LNAPL at TD	71.00	-	-	-	-
RW-07R	3790.58	1/14/20	-	-	-	-	-	-	1.0	0.2	-
RW-07R	3790.58	1/29/20	69.10	68.15	0.95	3722.25	-	-	-	-	462
RW-07R	3790.58	2/10/20	68.48	68.26	0.22	3722.28	81.23	59.5-79.5 (4 in.)	-	-	-
RW-07R	3790.58	2/25/20	-	-	-	-	-	-	0.2	0.1	-
RW-07R	3790.58	5/1/20	69.93	68.18	1.75	3722.07	-	-	-	-	-
RW-07R	3790.58	5/11/20	70.08	68.13	1.95	3722.08	-	-	-	-	-
RW-07R	3790.58	6/18/20	70.69	68.18	2.51	3721.92	-	-	-	-	-
RW-07R	3790.58	7/27/20	71.20	68.14	3.06	3721.86	-	-	-	-	-
RW-07R	3790.58	8/27/20	71.51	68.10	3.41	3721.83	-	-	-	-	-
RW-07R	3789.90	9/15/20	71.80	68.19	3.61	3721.02	-	-	-	-	-
RW-07R	3789.90	10/28/20	72.14	68.22	3.92	3720.94	-	-	-	-	-
RW-07R	3789.90	12/7/20	72.35	68.23	4.12	3720.89	-	-	-	-	-
RW-07R	3789.90	1/25/21	72.64	68.28	4.36	3720.79	-	-	-	-	-
RW-07R	3789.90	2/8/21	72.72	68.30	4.42	3720.76	81.24	-	-	-	-
RW-07R	3789.90	3/22/21	-	-	-	-	-	-	-	-	-
RW-07R	3789.90	4/26/21	-	-	-	-	-	-	-	-	-
RW-07R	3789.90	5/10/21	69.07	69.02	0.05	3720.87	-	-	-	-	-
RW-07R	3789.90	7/28/21	71.04	69.09	1.95	3720.44	-	-	-	-	-
RW-07R	3789.90	8/9/21	71.23	69.08	2.15	3720.41	-	-	-	-	-
RW-07R	3789.90	9/29/21	71.80	69.10	2.70	3720.29	81.24	-	-	-	-
RW-07R	3789.90	10/26/21	71.84	69.14	2.70	3720.25	81.24	-	-	-	-
RW-07R	3789.90	11/9/21	72.11	69.10	3.01	3720.23	81.24	-	-	-	-
RW-07R	3789.90	12/21/21	71.96	69.28	2.68	3720.11	81.24	-	-	-	-
RW-08	3790.01	2/10/20	73.08	67.00	6.08	3721.85	82.82	59.5-79.5 (4 in.)	-	-	-
RW-08	3790.01	5/1/20	-	-	-	-	-	-	-	-	-
RW-08	3790.01	5/11/20	70.96	67.63	3.33	3721.75	-	-	-	-	-
RW-08	3790.01	6/18/20	72.93	67.34	5.59	3721.61	-	-	-	-	-
RW-08	3790.01	7/27/20	73.53	67.28	6.25	3721.54	-	-	-	-	-
RW-08	3790.01	8/27/20	73.74	67.31	6.43	3721.48	-	-	-	-	-
RW-08	3790.01	9/15/20	73.91	67.39	6.52	3721.38	-	-	-	-	-
RW-08	3790.01	10/28/20	74.11	67.46	6.65	3721.29	-	-	-	-	-
RW-08	3790.01	12/7/20	74.24	67.52	6.72	3721.21	-	-	-	-	-
RW-08	3790.01	1/25/21	74.39	67.61	6.78	3721.11	-	-	-	-	-
RW-08	3790.01	2/8/21	74.41	67.68	6.73	3721.05	82.81	-	-	-	-
RW-08	3790.01	3/22/21	-	-	-	-	-	-	-	-	-
RW-08	3790.01	4/26/21	-	-	-	-	-	-	-	-	-

Table 1
Monthly Gauging and Elevation of the Potentiometric Surface Data for 2020-2021
Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
RW-08	3790.01	5/10/21	70.19	68.76	1.43	3720.98	-	-	-	-	-
RW-08	3790.01	7/28/21	-	-	-	-	-	-	-	-	-
RW-08	3790.01	8/9/21	70.23	68.98	1.25	3720.79	-	-	-	-	-
RW-08	3790.01	9/29/21	70.18	68.91	1.27	3720.86	82.81	-	-	-	-
RW-08	3790.01	10/26/21	70.19	68.91	1.28	3720.86	82.81	-	-	-	-
RW-08	3790.01	11/9/21	70.88	69.25	1.63	3720.45	82.81	-	-	-	-
RW-08	3790.01	12/21/21	72.05	68.93	3.12	3720.49	82.81	-	-	-	-
RW-09	3790.00	1/8/20	-	-	-	-	-	-	1.5	0	-
RW-09	3790.00	2/10/20	68.90	68.38	0.52	3721.52	82.85	59.5-79.5 (4 in.)	-	-	-
RW-09	3790.00	2/25/20	-	-	-	-	-	-	1.8	1	-
RW-09	3790.00	5/1/20	69.20	68.52	0.68	3721.35	-	-	-	-	-
RW-09	3790.00	5/11/20	69.21	66.85	2.36	3722.70	-	-	-	-	-
RW-09	3790.00	6/18/20	69.39	68.56	0.83	3721.28	-	-	-	-	-
RW-09	3790.00	7/27/20	69.50	68.64	0.86	3721.20	-	-	-	-	-
RW-09	3790.00	8/27/20	69.58	68.68	0.90	3721.15	-	-	-	-	-
RW-09	3790.00	9/15/20	69.68	68.77	0.91	3721.06	-	-	-	-	-
RW-09	3790.00	10/28/20	69.90	68.25	1.65	3721.44	-	-	-	-	-
RW-09	3790.00	12/7/20	70.04	68.90	1.14	3720.88	-	-	-	-	-
RW-09	3790.00	1/25/21	70.18	69.00	1.18	3720.78	-	-	-	-	-
RW-09	3790.00	2/8/21	70.22	69.02	1.20	3720.75	82.65	-	-	-	-
RW-09	3790.00	3/22/21	70.33	69.12	1.21	3720.65	-	-	-	-	-
RW-09	3790.00	4/26/21	70.45	69.15	1.30	3720.60	-	-	-	-	-
RW-09	3790.00	5/10/21	70.50	69.19	1.31	3720.56	-	-	-	-	-
RW-09	3790.00	7/28/21	70.77	69.33	1.44	3720.40	-	-	-	-	-
RW-09	3790.00	8/9/21	70.80	69.73	1.07	3720.07	-	-	-	-	-
RW-09	3790.00	9/29/21	71.05	69.43	1.62	3720.26	82.65	-	-	-	-
RW-09	3790.00	10/26/21	71.04	69.45	1.59	3720.25	82.65	-	-	-	-
RW-09	3790.00	11/9/21	71.18	69.46	1.72	3720.21	82.65	-	-	-	-
RW-09	3790.00	12/21/21	71.14	69.57	1.57	3720.13	82.65	-	-	-	-
RW-10	3789.69	2/10/20	73.06	66.96	6.10	3721.57	82.60	59.5-79.5 (4 in.)	-	-	-
RW-10	3789.69	5/1/20	-	-	-	-	-	-	-	-	-
RW-10	3789.69	5/11/20	69.54	67.91	1.63	3721.47	-	-	-	-	-
RW-10	3789.69	6/18/20	73.30	67.22	6.08	3721.31	-	-	-	-	-
RW-10	3789.69	7/27/20	73.53	67.25	6.28	3721.25	-	-	-	-	-
RW-10	3789.69	8/27/20	73.61	67.30	6.31	3721.19	-	-	-	-	-
RW-10	3789.56	9/15/20	73.73	67.37	6.36	3720.98	-	-	-	-	-
RW-10	3789.56	10/28/20	70.89	68.08	2.81	3720.95	-	-	-	-	-
RW-10	3789.56	12/7/20	-	-	-	-	-	-	-	-	-

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Lea County, Mexico
NMOCD AP-007

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
RW-10	3789.56	1/25/21	-	-	-	-	-	-	-	-	-
RW-10	3789.56	2/8/21	70.33	68.43	1.90	3720.77	82.45	-	-	-	-
RW-10	3789.56	3/22/21	73.97	67.81	6.16	3720.58	-	-	-	-	-
RW-10	3789.56	4/26/21	74.16	67.83	6.33	3720.53	-	-	-	-	-
RW-10	3789.56	5/10/21	74.21	67.87	6.34	3720.49	-	-	-	-	-
RW-10	3789.56	7/28/21	-	-	-	-	-	-	-	-	-
RW-10	3789.56	8/9/21	70.34	68.28	2.06	3720.89	-	-	-	-	-
RW-10	3789.56	9/29/21	70.70	68.96	1.74	3720.27	82.45	-	-	-	-
RW-10	3789.56	10/26/21	70.70	68.96	1.74	3720.27	82.45	-	-	-	-
RW-10	3789.56	11/9/21	71.27	68.90	2.37	3720.21	82.45	-	-	-	-
RW-10	3789.56	12/21/21	70.81	69.11	1.70	3720.13	82.45	-	-	-	-
RW-11	3789.77	1/14/20	-	-	-	-	-	-	0.0	3.0	-
RW-11	3789.77	2/10/20	68.23	-	0.00	3721.54	85.40	(4 in.)	0.0	34.0	-
RW-11	3789.77	3/17/20	-	-	-	-	-	-	-	3.0	-
RW-11	3789.77	5/1/20	68.38	-	0.00	3721.39	-	-	-	-	-
RW-11	3789.77	5/11/20	68.31	-	0.00	3721.46	-	-	-	34.0	-
RW-11	3789.77	7/27/20	68.53	-	0.00	3721.24	-	-	-	-	-
RW-11	3789.77	8/27/20	68.62	-	0.00	3721.15	-	-	-	-	-
RW-11	3789.77	9/15/20	68.67	-	0.00	3721.10	85.40	-	-	33.0	-
RW-11	3789.77	10/28/20	68.75	-	0.00	3721.02	-	-	-	35.0	-
RW-11	3789.77	12/7/20	68.85	-	0.00	3720.92	-	-	-	-	-
RW-11	3789.77	1/25/21	68.94	-	0.00	3720.83	-	-	-	-	-
RW-11	3789.77	2/8/21	68.98	-	0.00	3720.79	85.43	-	-	32.00	-
RW-11	3789.77	3/22/21	69.11	69.05	0.06	3720.71	-	-	-	-	-
RW-11	3789.77	4/26/21	69.18	69.11	0.07	3720.65	-	-	-	-	-
RW-11	3789.77	5/10/21	69.21	69.14	0.07	3720.62	-	-	-	-	-
RW-11	3789.77	7/28/21	69.40	69.30	0.10	3720.45	-	-	-	-	-
RW-11	3789.77	8/9/21	69.48	69.32	0.16	3720.42	-	-	-	-	-
RW-11	3789.77	9/29/21	69.62	69.45	0.17	3720.29	85.43	-	-	-	-
RW-11	3789.77	10/26/21	69.62	69.45	0.17	3720.29	85.43	-	-	-	-
RW-11	3789.77	11/9/21	69.68	69.47	0.21	3720.26	85.43	-	-	-	-
RW-11	3789.77	12/21/21	69.77	69.56	0.21	3720.17	85.43	-	-	-	-
RW-12	3789.78	1/14/20	-	-	-	-	-	-	0.0	3.0	-
RW-12	3789.78	2/10/20	68.23	-	0.00	3721.55	82.82	(4 in.)	-	29.0	-
RW-12	3789.78	3/17/20	-	-	-	-	-	-	-	3.0	-
RW-12	3789.78	5/1/20	68.30	-	0.00	3721.48	-	-	-	-	-
RW-12	3789.78	5/11/20	68.38	-	0.00	3721.40	-	-	-	28.0	-
RW-12	3789.78	6/18/20	68.57	-	0.00	3721.21	-	-	-	-	-

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Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
RW-12	3789.78	7/27/20	68.45	-	0.00	3721.33	-	-	-	-	-
RW-12	3789.78	8/27/20	68.55	-	0.00	3721.23	-	-	-	-	-
RW-12	3789.78	9/15/20	68.59	-	0.00	3721.19	82.82	-	-	22.0	-
RW-12	3789.78	10/28/20	68.67	-	0.00	3721.11	-	-	-	28.0	-
RW-12	3789.78	12/7/20	68.76	-	0.00	3721.02	-	-	-	-	-
RW-12	3789.78	1/25/21	68.86	-	0.00	3720.92	-	-	-	-	-
RW-12	3789.78	2/8/21	68.90	-	0.00	3720.88	82.72	-	-	28.00	-
RW-12	3789.78	3/22/21	68.99	-	0.00	3720.79	-	-	-	-	-
RW-12	3789.78	4/26/21	69.05	-	0.00	3720.73	-	-	-	-	-
RW-12	3789.78	5/10/21	69.08	-	0.00	3720.70	-	-	-	28.00	-
RW-12	3789.78	7/28/21	69.24	-	0.00	3720.54	-	-	-	-	-
RW-12	3789.78	8/9/21	69.26	-	0.00	3720.52	83.57	-	-	28.00	-
RW-12	3789.78	9/29/21	69.39	-	0.00	3720.39	82.72	-	-	-	-
RW-12	3789.78	10/26/21	69.40	-	0.00	3720.38	82.72	-	-	-	-
RW-12	3789.78	11/9/21	69.44	-	0.00	3720.34	82.72	-	-	26.00	-
RW-12	3789.78	12/21/21	69.50	-	0.00	3720.28	82.72	-	-	-	-
RW-13	3788.61	2/25/20	-	-	-	-	-	-	-	45.0	-
RW-13	3788.61	2/26/20	66.87	-	0.00	3721.74	90.13	58-88 (4 in.)	-	-	-
RW-13	3788.61	3/23/20	67.23	67.05	0.18	3721.53	90.19	4 in.	-	-	-
RW-13	3788.61	5/1/20	67.98	66.95	1.03	3721.46	-	-	-	-	-
RW-13	3788.61	5/11/20	68.28	66.91	1.37	3721.44	-	-	-	-	-
RW-13	3788.61	6/18/20	69.53	66.75	2.78	3721.33	-	-	-	-	-
RW-13	3788.61	7/27/20	70.76	66.56	4.20	3721.25	-	-	-	-	-
RW-13	3788.61	8/27/20	71.55	66.46	5.09	3721.18	-	-	-	-	-
RW-13	3788.61	9/15/20	72.10	66.45	5.65	3721.09	-	-	-	-	-
RW-13	3788.61	10/28/20	70.17	67.19	2.98	3720.85	-	-	-	-	-
RW-13	3788.61	12/7/20	-	-	-	-	-	-	-	-	-
RW-13	3788.61	1/25/21	-	-	-	-	-	-	-	-	-
RW-13	3788.61	2/8/21	70.06	67.21	2.85	3720.86	90.34	-	-	-	-
RW-13	3788.61	3/22/21	71.78	66.99	4.79	3720.71	-	-	-	-	-
RW-13	3788.61	4/26/21	72.78	66.84	5.94	3720.64	-	-	-	-	-
RW-13	3788.61	5/10/21	73.01	66.83	6.18	3720.61	-	-	-	-	-
RW-13	3788.61	-	-	-	-	-	-	-	-	-	-
RW-13	3788.61	8/9/21	70.31	67.78	2.53	3720.35	-	-	-	-	-
RW-13	3788.61	9/29/21	70.09	67.55	2.54	3720.58	90.34	-	-	-	-
RW-13	3788.61	10/26/21	71.02	67.60	3.42	3720.36	90.34	-	-	-	-
RW-13	3788.61	11/9/21	71.13	67.68	3.45	3720.27	90.34	-	-	-	-
RW-13	3788.61	12/21/21	-	-	-	Pump	90.34	-	-	-	-

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NMOCD AP-007

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	LNAPL Thickness (ft.)	Elevation of Potentiometric Surface (famsl)	Measured Depth of Well (fbtoc)	Well Screen Interval (ft bgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
RW-14	3788.59	2/25/20	-	-	-	-	-	-	-	45.0	-
RW-14	3788.59	2/26/20	66.68	66.60	0.08	3721.97	90.10	58-88 (4 in.)	-	-	-
RW-14	3788.59	3/23/20	68.59	66.45	2.14	3721.73	90.32	4 in.	-	-	-
RW-14	3788.59	5/1/20	72.00	65.75	6.25	3721.65	-	-	-	-	-
RW-14	3788.59	5/11/20	72.47	65.65	6.82	3721.64	-	-	-	-	-
RW-14	3788.59	6/18/20	-	-	-	-	-	-	-	-	-
RW-14	3788.59	7/27/20	-	-	-	-	-	-	-	-	-
RW-14	3788.59	8/27/20	-	-	-	-	-	-	-	-	-
RW-14	3788.59	9/15/20	73.19	66.09	7.10	3721.15	-	-	-	-	-
RW-14	3788.59	10/28/20	71.01	66.44	4.57	3721.28	-	-	-	-	-
RW-14	3788.59	12/7/20	-	-	-	-	-	-	-	-	-
RW-14	3788.59	1/25/21	-	-	-	-	-	-	-	-	-
RW-14	3788.59	2/8/21	70.76	66.73	4.03	3721.09	90.35	-	-	-	-
RW-14	3788.59	3/22/21	-	-	-	-	-	-	-	-	-
RW-14	3788.59	4/26/21	-	-	-	-	-	-	-	-	-
RW-14	3788.59	5/10/21	71.13	66.91	4.22	3720.88	-	-	-	-	-
RW-14	3788.59	7/28/21	73.63	66.57	7.06	3720.68	-	-	-	-	-
RW-14	3788.59	8/9/21	73.88	63.77	10.11	3722.90	-	-	-	-	-
RW-14	3788.59	9/29/21	74.00	64.88	9.12	3721.98	-	-	-	-	-
RW-14	3788.59	10/26/21	74.00	66.71	7.29	3720.49	90.35	-	-	-	-
RW-14	3788.59	11/9/21	74.04	66.96	7.08	3720.28	90.35	-	-	-	-
RW-14	3788.59	12/21/21	-	-	-	Pump	90.35	-	-	-	-

Notes:

1. famsl - feet above mean sea level
2. fbtoC - feet below top of casing
3. LNAPL - Light non-aqueous phase liquid.
4. fbgs -feet below ground surface.
5. MW-11 was not surveyed until 6/28/17. The surveyed elevation has been entered for prior monitoring events only of for the purpose of determining the relative trend in elevation of the groundwater gradient.
6. + indicates LNAPL thickness is at the bottom of the well (feet).

Table 2

BTEX Analytical Results for Groundwater Sampling Events 2020-2021
Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Sample ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
		NMWQCC Human Health Standards			
		0.01	0.75	0.75	0.62
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 (DUP-1)	2/11/21	<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 B J	0.000333 B J	<0.000510
MW-3R	11/10/21	0.000288 J	<0.000278	<0.000137	<0.000174
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 B 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-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 (DUP-1)	5/18/20	<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 (DUP-1)	10/30/20	<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-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-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

Table 2

BTEX Analytical Results for Groundwater Sampling Events 2020-2021
Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Sample ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
		NMWQCC Human Health Standards			
		0.01	0.75	0.75	0.62
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-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-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-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	1.20000	0.0359	0.0767	0.136
MW-12	5/13/21	0.0169	<0.000412	<0.000160	<0.000510
MW-12 (DUP-1)	5/13/21	0.0191	<0.000412	<0.000160	<0.000510
MW-12	8/9/21	0.0152	<0.000412	0.00147	0.00165 B
MW-12 (DUP-1)	8/9/21	0.00559	<0.000412	0.000343 J	<0.000510
MW-12	11/10/21	0.00115	<0.000278	<0.000137	<0.000174
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
RW-11	2/14/20	0.207	0.00300	0.0728	0.291

Table 2

BTEX Analytical Results for Groundwater Sampling Events 2020-2021
Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Sample ID	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
		NMWQCC Human Health Standards			
		0.01	0.75	0.75	0.62
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 (DUP-1)	9/16/20	0.0135	0.00268	0.00397	0.0180
RW-11	10/30/20	0.0059	0.000519 J	0.00243	0.0112
RW-11 (DUP-2)	10/30/20	0.0056	0.000495 J	0.00233	0.0107
RW-11	2/11/21	0.0201	0.000743 B J	0.00445	0.0183
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 (DUP-2)	5/18/20	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 (DUP)	11/10/21	0.190	0.000646 B J	0.00429	0.00673 B
Trip Blank	2/14/20	<0.000190	<0.000412	<0.000160	<0.000510

- Notes:**
1. Yellow shaded cells indicate exceedance of NMOCD Regulatory Limit.
 2. Bold indicates detection.
 3. BTEX analyses by Method 8021B.
 4. J flag indicates the identification of the analyte is acceptable; the reported value is an estimate.
 5. B flag indicates the same analyte is found in the associated blank.

Table 3
Polycyclic Aromatic Hydrocarbons Analytical Results
Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Sample ID	Sample Date	Anthracene (mg/l)	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenzo(a,h)anthracene (mg/l)	Dibenzofuran (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
		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	0.03
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-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-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-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-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-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-10R	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-10R	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-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 B J	<0.0000157	0.0000217 J	<0.0000148	0.000197 J	0.0000231 J	<0.0000117	0.000123 B J	0.000101 B 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
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
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
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
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
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

Table 3
Polycyclic Aromatic Hydrocarbons Analytical Results
Plains Pipeline LP
Darr Angell No. 2
Lea County, Mexico
NMOCD AP-007

Sample ID	Sample Date	Anthracene (mg/l)	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenzo(a,h)anthracene (mg/l)	Dibenzofuran (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Naphthalene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)
		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	0.03
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

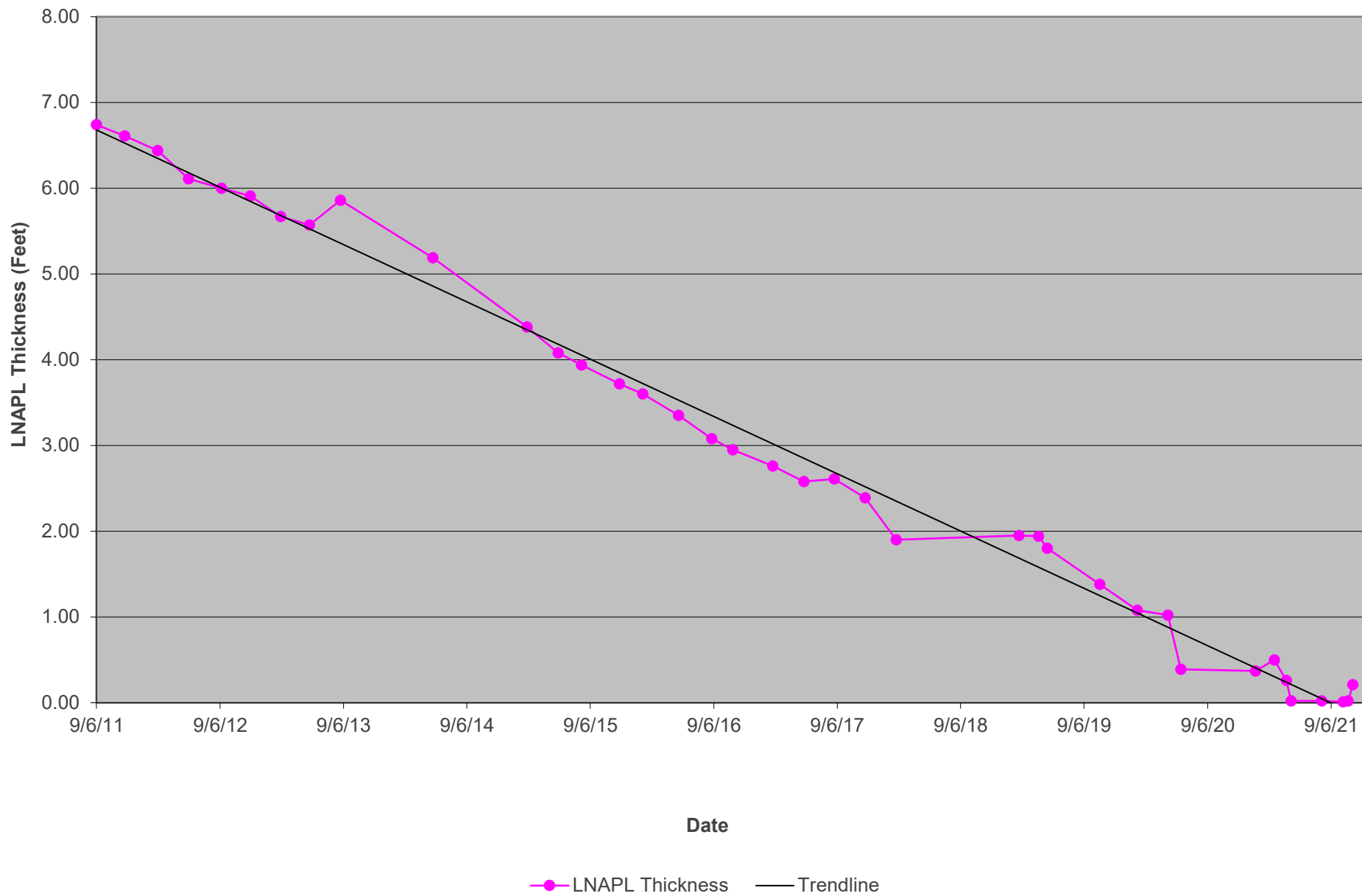
Notes:

- 1. Yellow shaded cells indicate New Mexico Water Quality Control Commission Limit (NMWQCC) exceedance. Requires additional sampling.
- 2. PAH analyses by EPA Method 8270.
- 3. Bold indicates detection.
- 4. Nova Training and Environmental collected samples dated between 2008 and 2010.

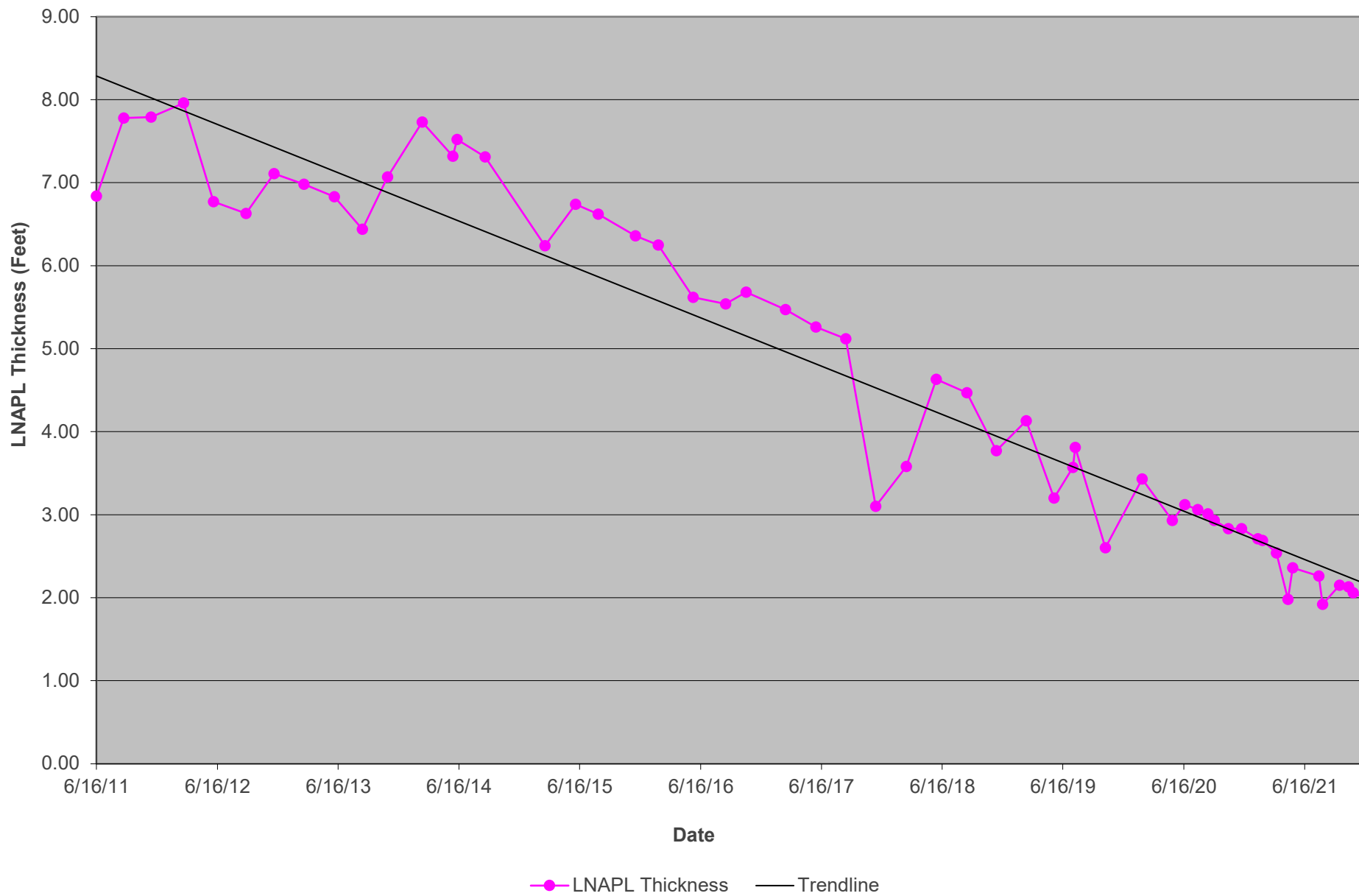
Appendix A

Charts of LNAPL Thickness Versus Time

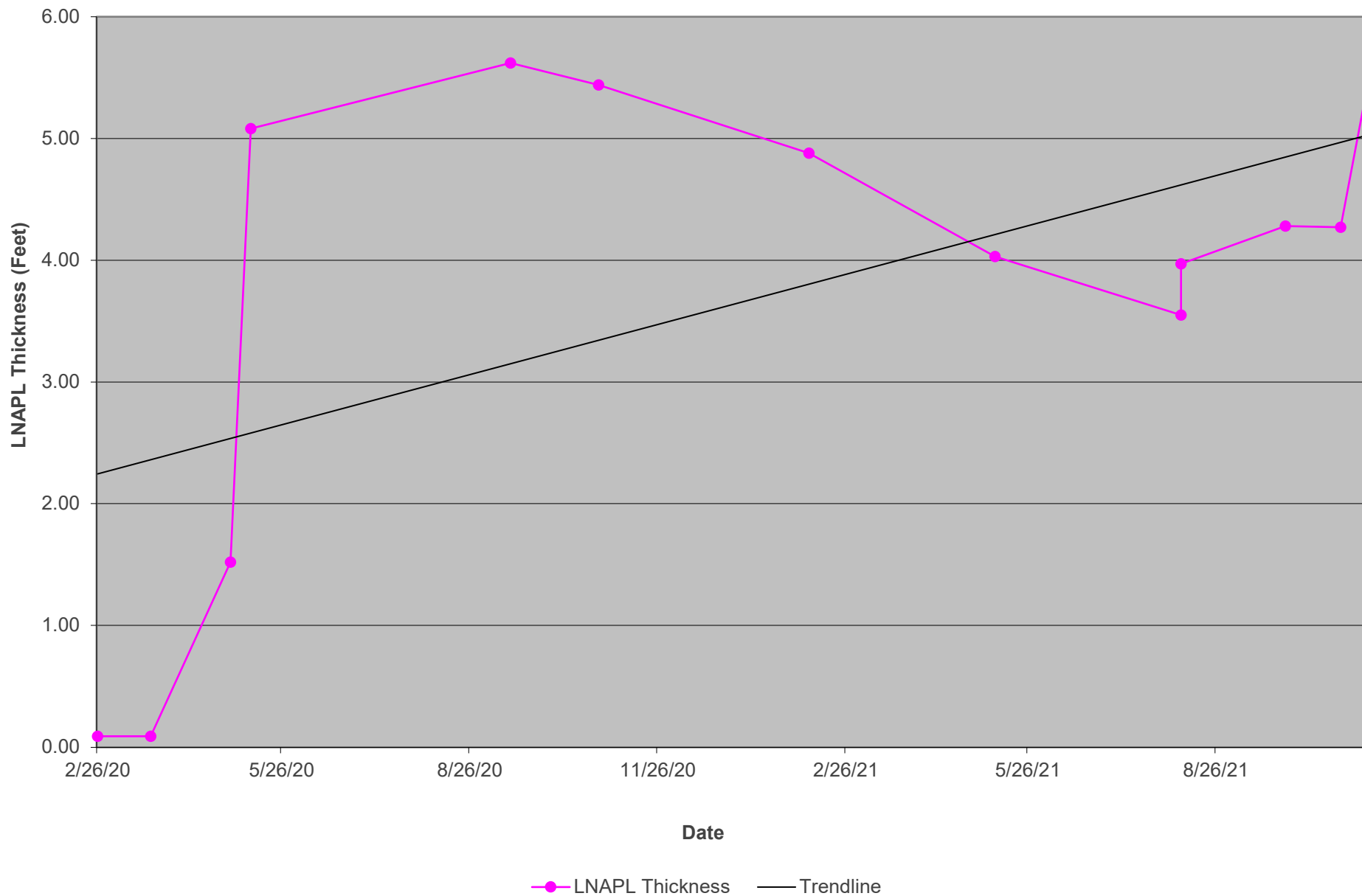
Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
LNAPL Thickness vs. Time
RW-1



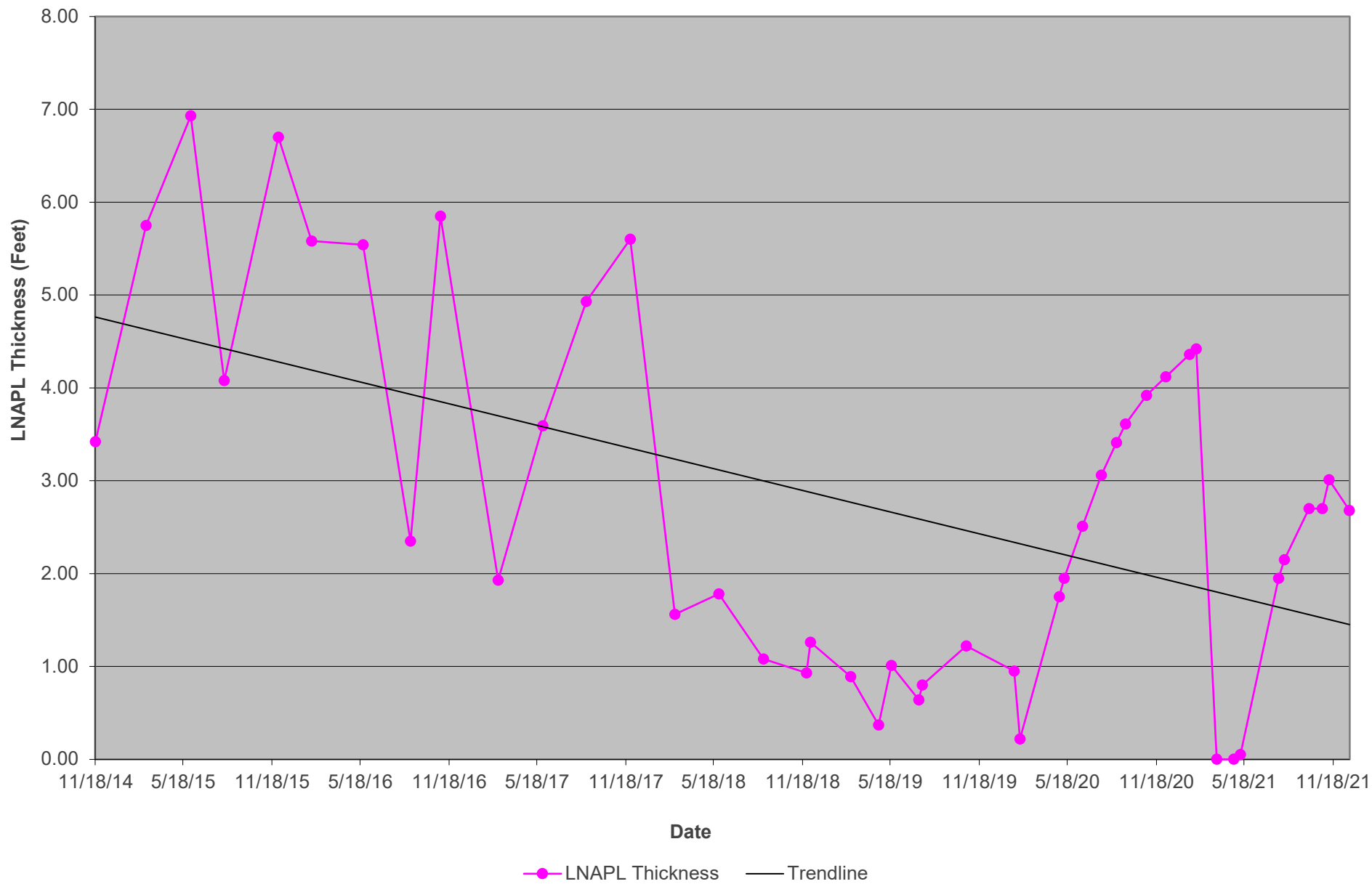
Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
LNAPL Thickness vs. Time
RW-3



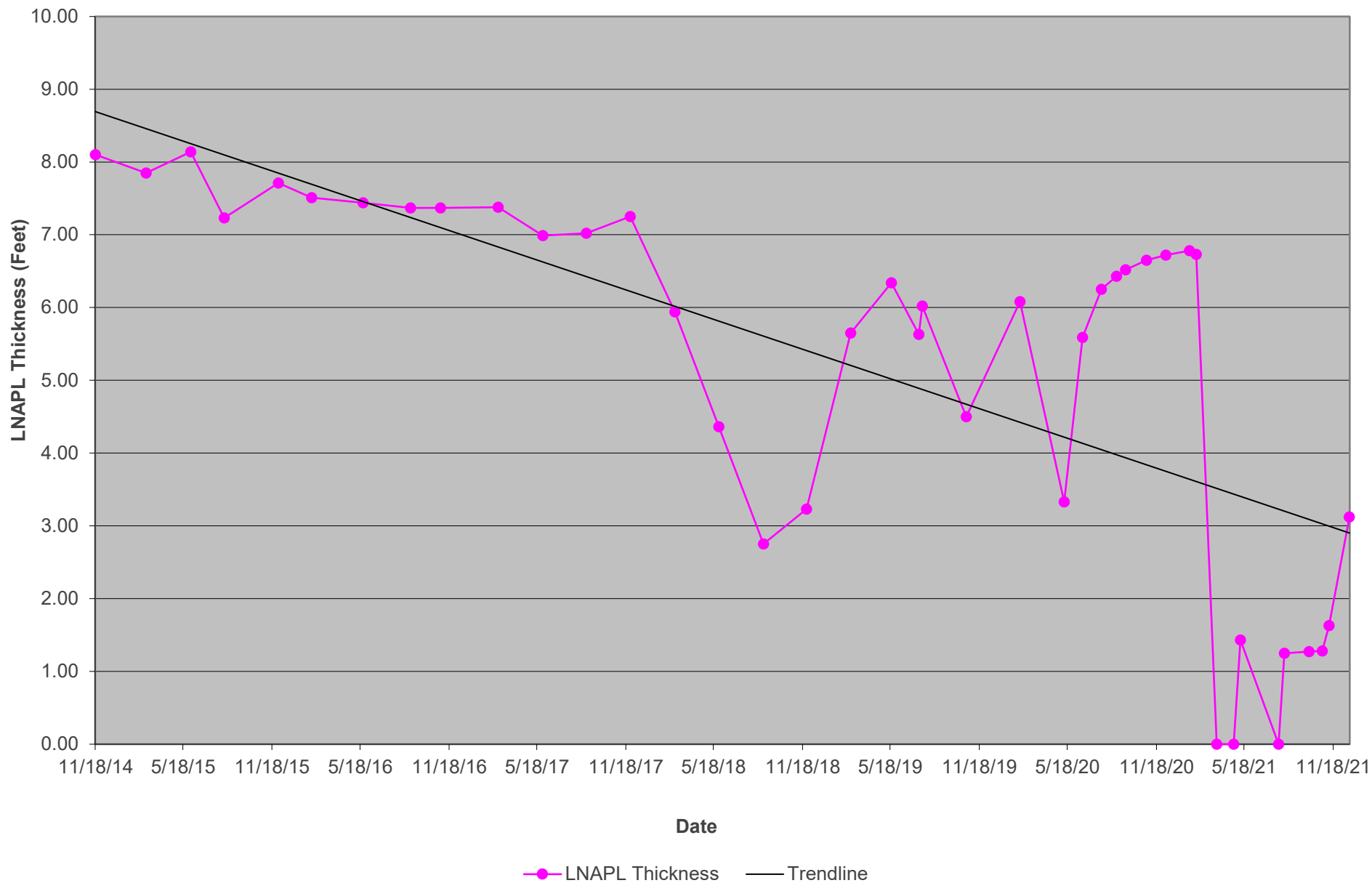
Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
LNAPL Thickness vs. Time
RW-4R



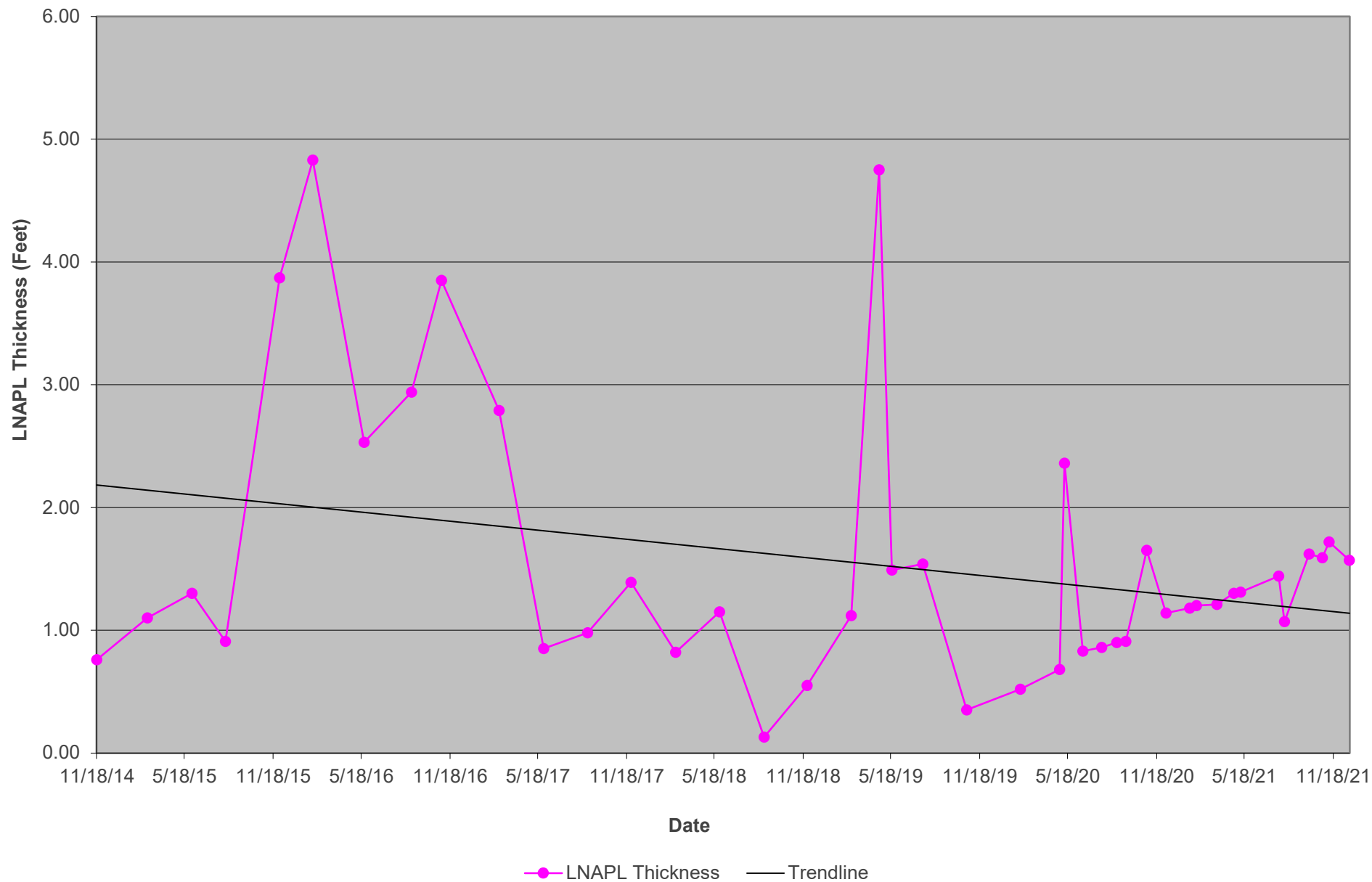
Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
LNAPL Thickness vs. Time
RW-7R



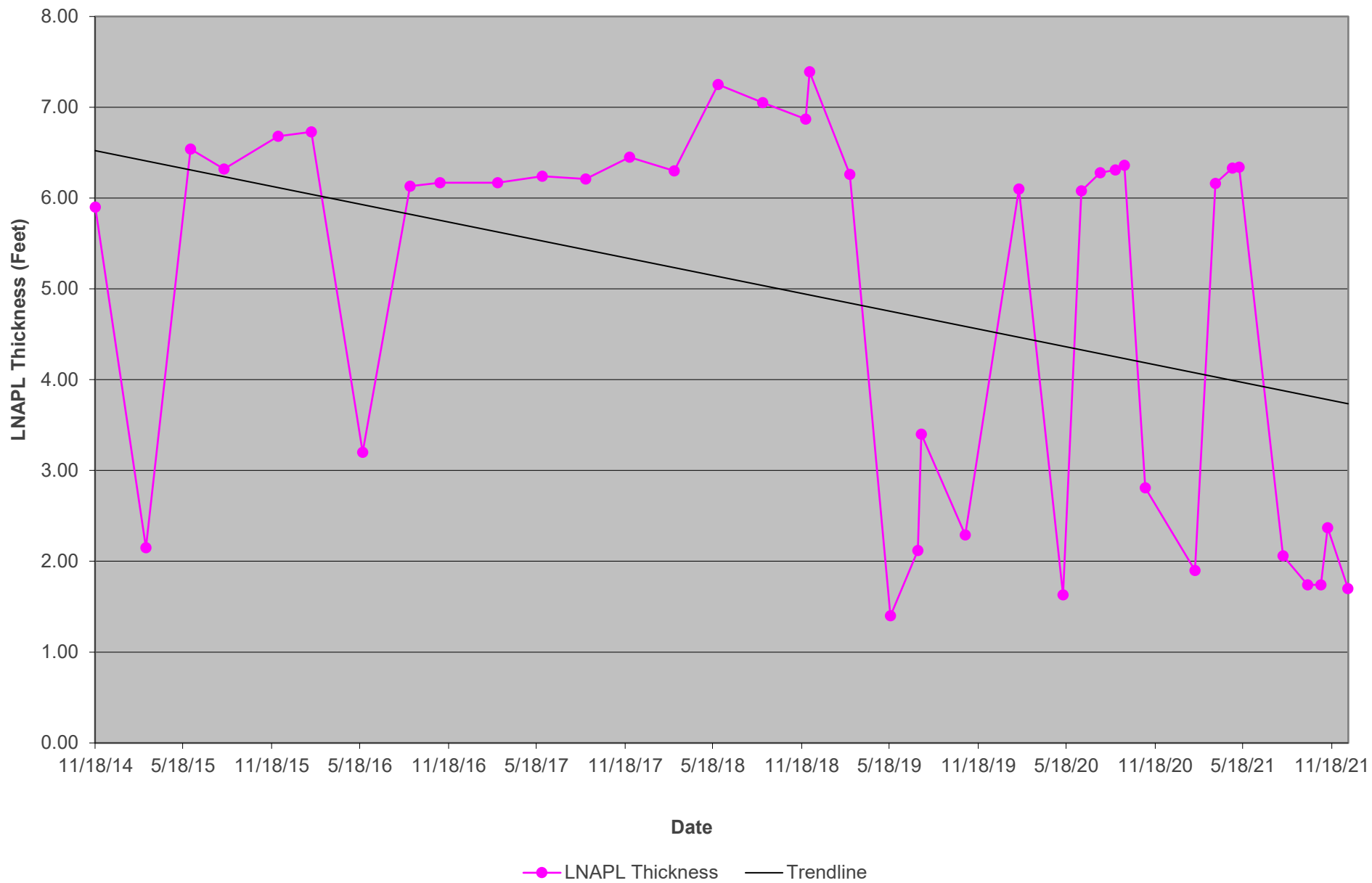
Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
LNAPL Thickness vs. Time
RW-8



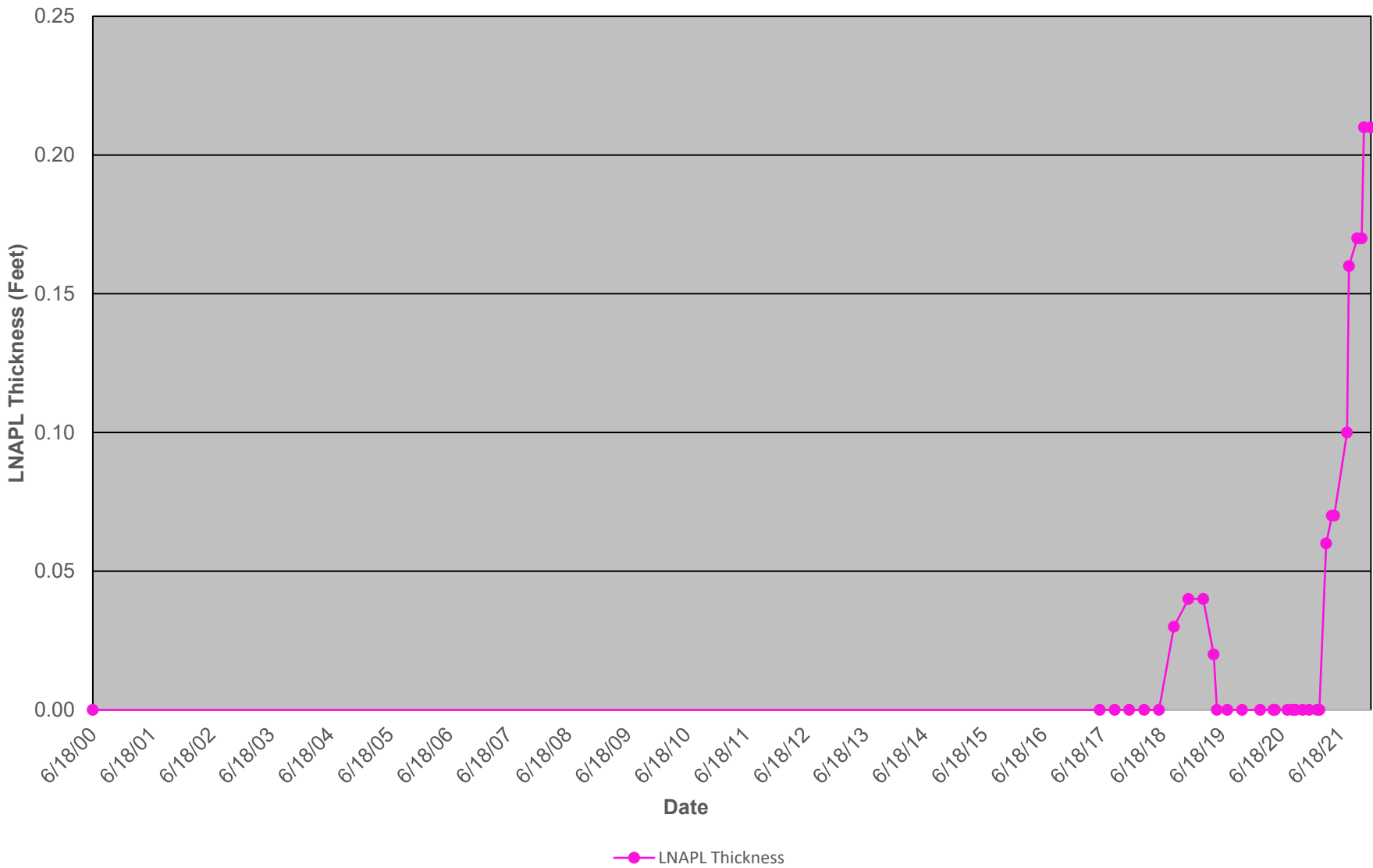
Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
LNAPL Thickness vs. Time
RW-9



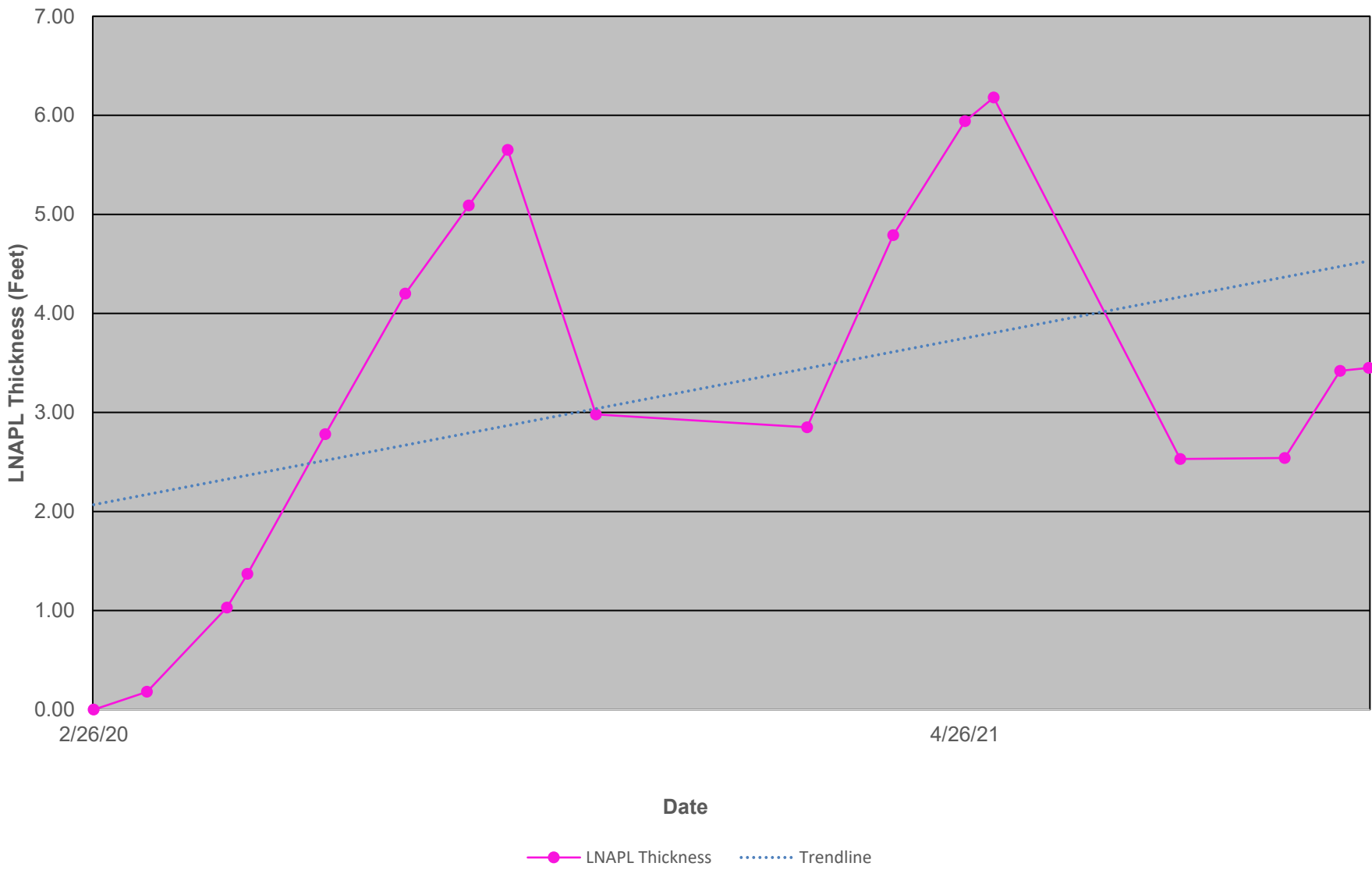
Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
LNAPL Thickness vs. Time
RW-10



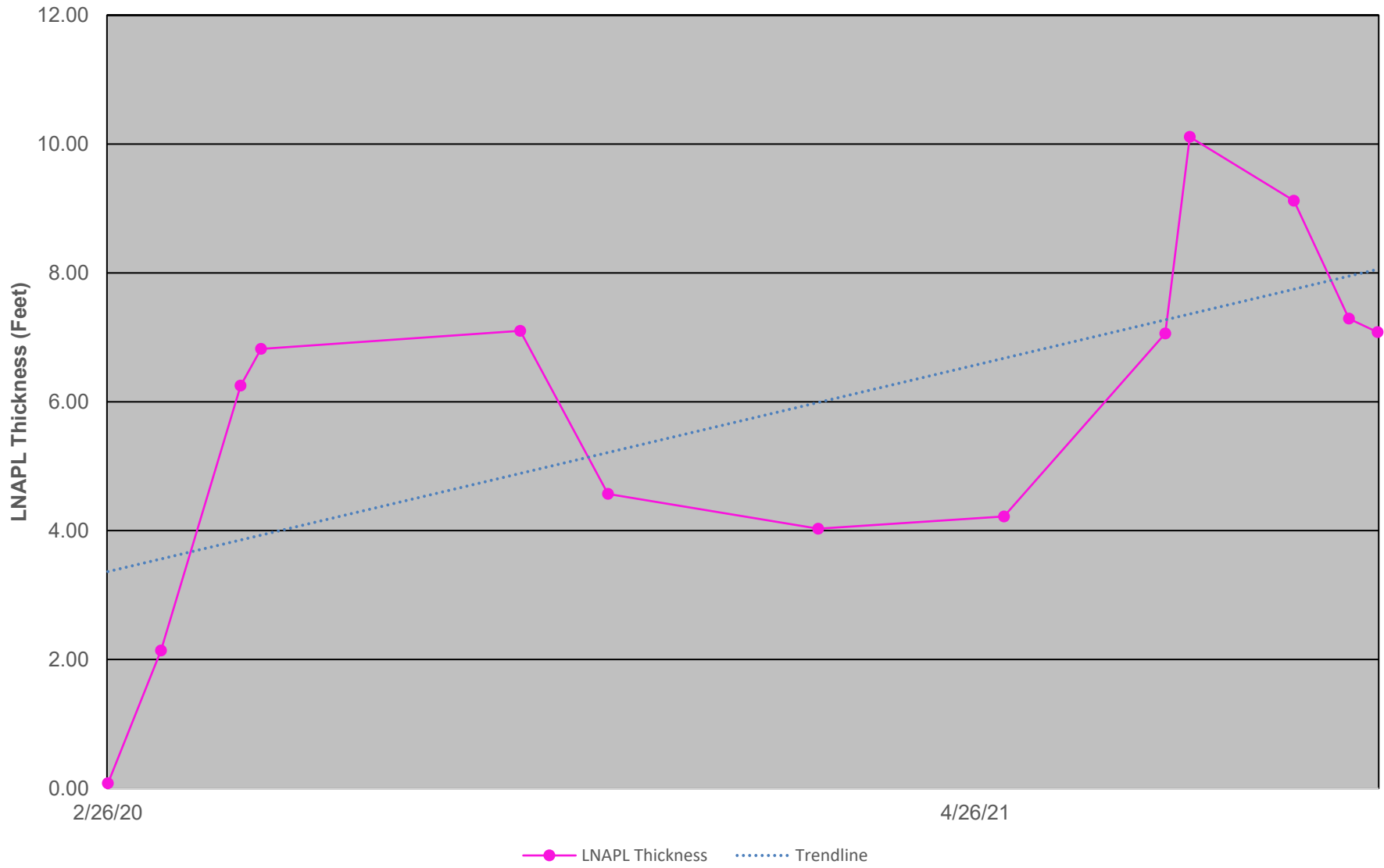
Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
LNAPL Thickness vs. Time
RW-11



Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
LNAPL Thickness vs. Time
RW-13



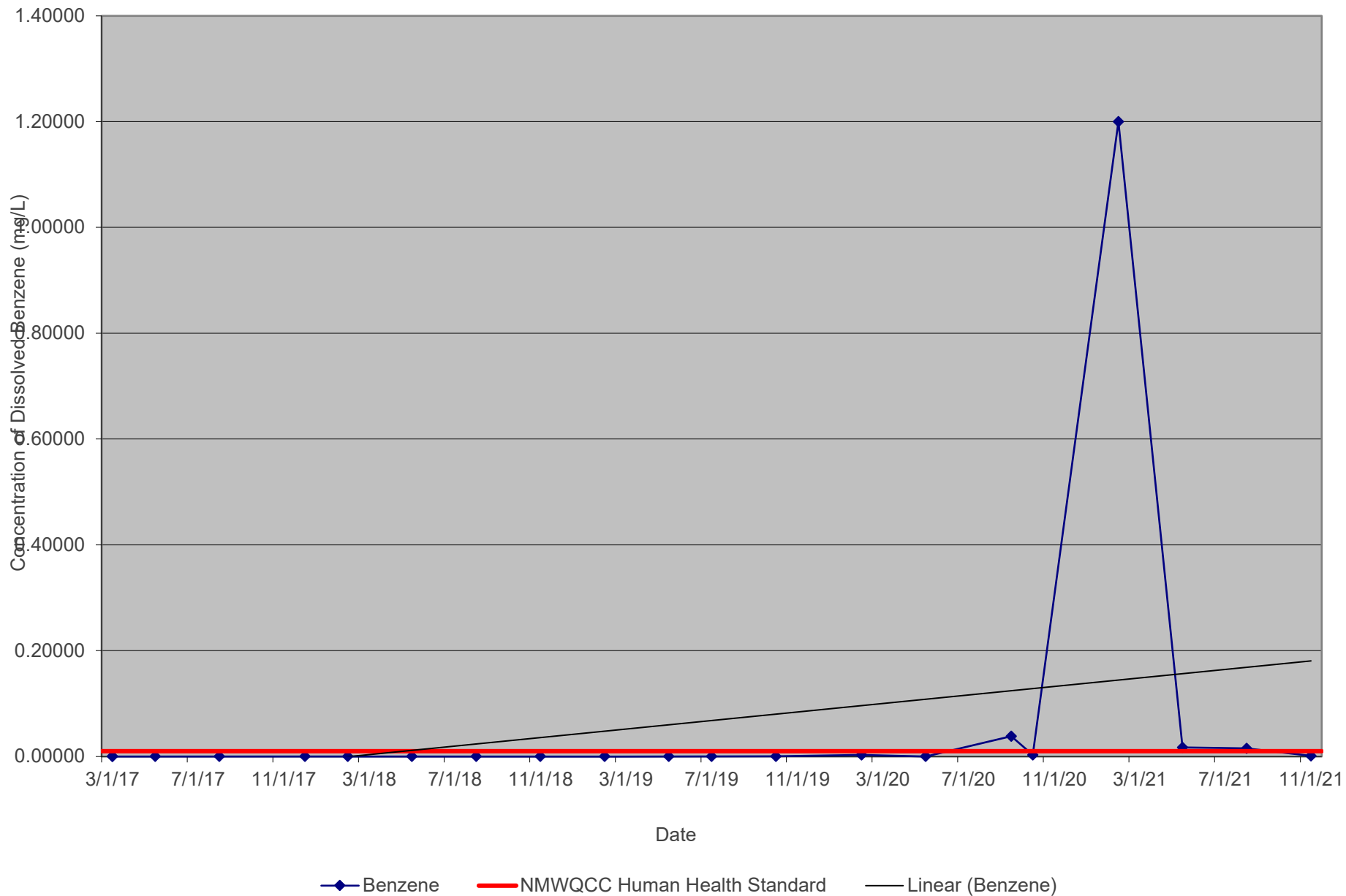
Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
LNAPL Thickness vs. Time
RW-14



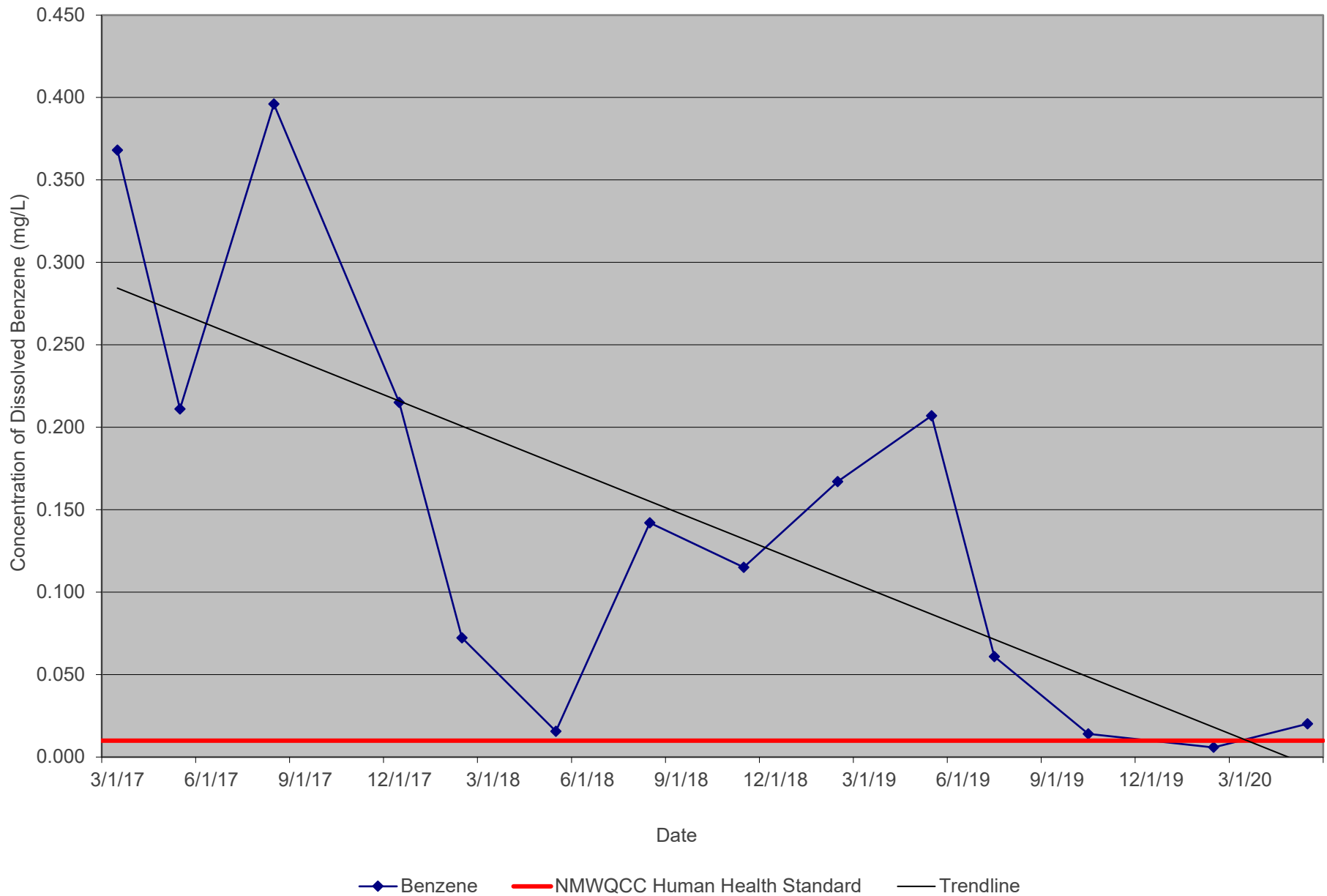
Appendix B

Charts of Dissolved Benzene Concentrations Versus Time

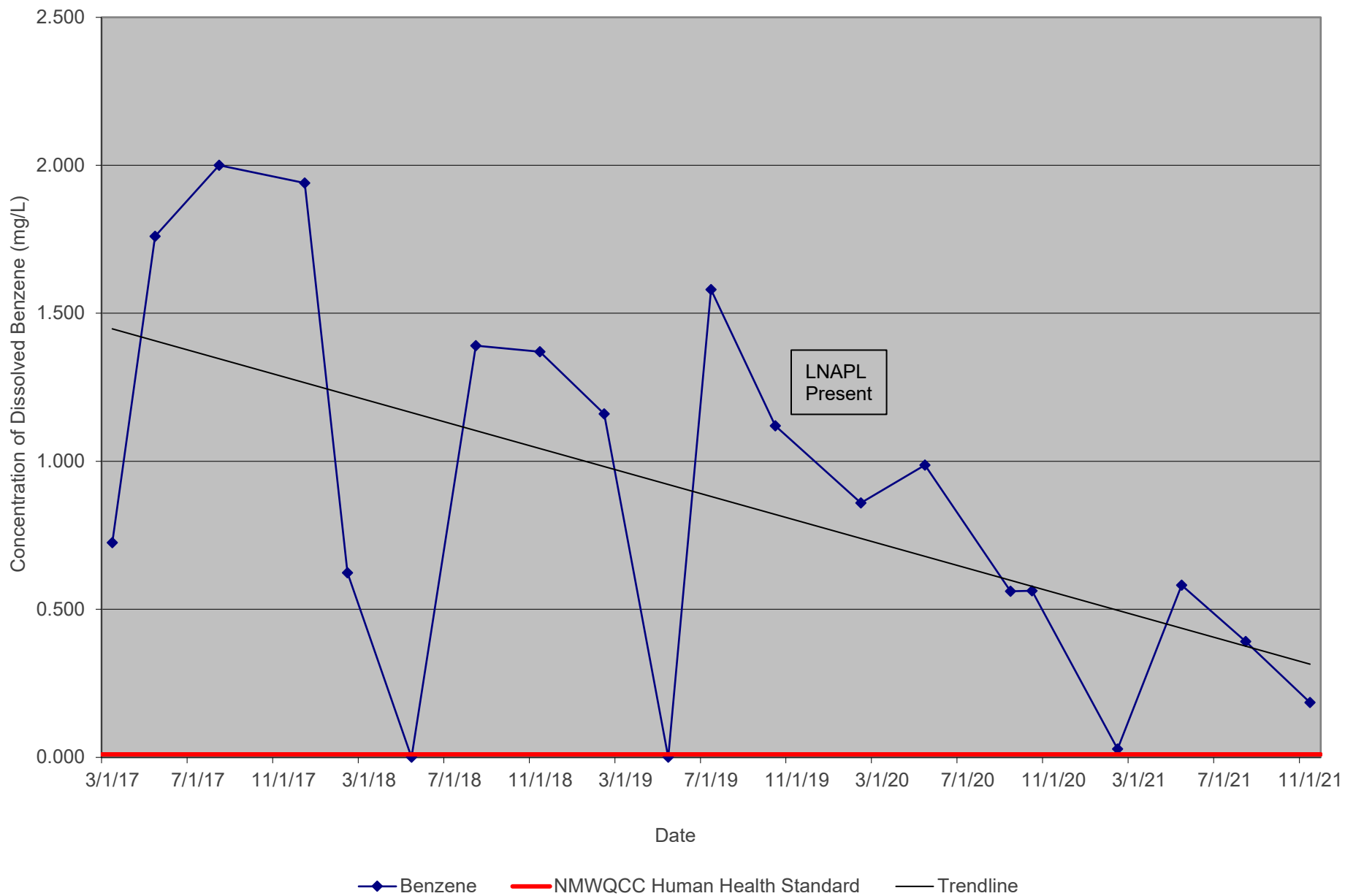
Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
Concentration of Dissolved Benzene vs. Time
MW-12



Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
Concentration of Dissolved Benzene vs. Time
RW-11



Darr Angell #2
Lea County, New Mexico
NMOCD AP-007
Concentration of Dissolved Benzene vs. Time
RW-12



Attachment C

Certified Laboratory Analytical Reports and Chain-of-Custody Documentation

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 92065

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID:
	34053
	Action Number: 92065
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Contractor recommendations approved by NMOCD and are as follows; 1. Continue NMOCD-approved quarterly GWSEs for BTEX by Method 8021B for all monitor wells and recovery wells located on-site. 2. Discontinue sampling of MW-3R, MW-6R, MW-7R, MW-8R, MW-9R, MW-10R, and MW-13 for PAH unless they are re-impacted by LNAPL. 3. Continue sampling any wells that cease to have LNAPL for PAH compounds. 4. Submit a work plan detailing additional delineation activities in the area surrounding MW-12 if benzene concentrations detected remain above NMWQCC standards. 5. Conduct LNAPL abatement via hand-bailing on a weekly basis for monitor and recovery wells that have a measurable amount of LNAPL, but no pump installed. 6. Continue operation and maintenance of the trailer-mounted, automated system in various monitor and recovery wells on a weekly basis. 7. Submit the Annual Monitoring Report to the NMOCD no later than March 31, 2023.	8/2/2022