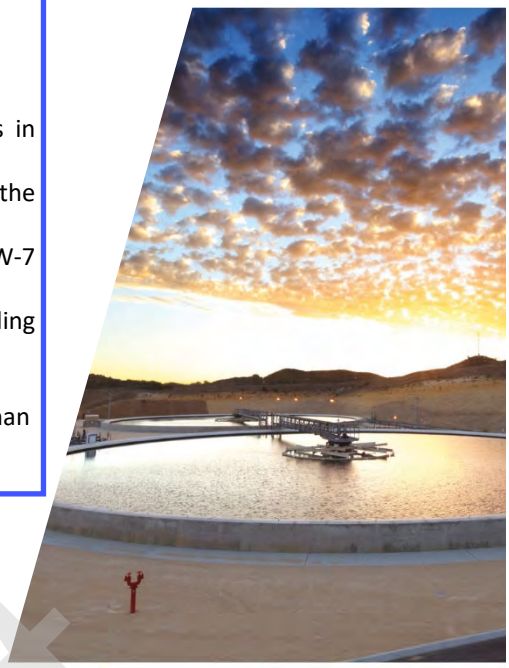
APPROVED
By Nelson Velez at 4:02 pm, Jan 11, 2022

Review of 2020 Annual Groundwater Monitoring Report:
Content satisfactory
Contractor recommendations approved by OCD and are as follows;
1. Continue quarterly groundwater sampling events in 2021
2. Continue annual sampling for PAHs according to the directives of the OCD
3. Continue LNAPL abatement of MW-3R and MW-7 with quarterly EFR events to enhance LNAPL recovery
4. OCD approves quarterly groundwater sampling schedule for MW-18, MW-19, and
5. MW-20
Submit the Annual Monitoring Report to the OCD no later than March 31, 2022.



2020 Annual Groundwater Monitoring Report

Denton Station
Lea County, New Mexico
SRS #2003-00338
NMOCD Remediation Permit No. 1RP-0234

Plains All American Pipeline, LP

Draft for Review

This document is in draft form. A final version of this document may differ from this draft. As such, the contents of this draft document shall not be relied upon. GHD disclaims any responsibility or liability arising from decisions made based on this draft document.

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1. Introduction

On behalf of Plains All American Pipeline, L.P. (Plains), GHD Services Inc. (GHD) is submitting this 2020 Annual Groundwater Monitoring Report describing the results of the groundwater monitoring and remediation activities completed at Denton Station SRS #2003-00338 (Site) in compliance with New Mexico Oil Conservation Division (NMOCD) requirements. The Site is located in Lea County, New Mexico at latitude 33.017631°N, longitude 103.162478°W. A Site Location Map is provided as Figure 1

This report presents groundwater assessment activities associated with quarterly well gauging and groundwater sampling events conducted in February, May, September, and October 2020. Corrective actions included the recovery of hydrocarbons via quarterly enhanced fluid recovery (EFR) events.

1.1 Site History

The Site was formerly the responsibility of Shell Pipeline Corporation, monitoring and remediation at the Site is currently the responsibility of Plains. The release was reportedly from a former crude oil tank battery located to the northwest of the fenced facility located on-site.

Beginning on April 1, 2007, project management responsibilities were assumed by NOVA. GHD, (formerly Conestoga-Rovers and Associates, Inc.) assumed site remediation and project management responsibilities on May 2, 2011.

On December 12, 2012, the New Mexico Oil Conservation Division (NMCOD) corresponded with Plains via email regarding polycyclic aromatic hydrocarbons (PAHs) evaluation and provided the following directives:

> *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 0.001mg/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).*

Past assessment and cleanup activities have included monitor well installations resulting in sixteen groundwater monitoring wells at the Site. Monitor wells MW-1, MW-2, MW-3, and one out-of-service water well (WW 1) were plugged and abandoned with NMOCD approval on September 16, 2014. Replacement monitoring wells MW-1R and MW-2R were installed on September 17, 2014. Replacement monitoring well MW-3R was installed on October 7, 2014. Professional surveying of the replacement wells was performed on November 11, 2014, and re-surveyed in June 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 four monitor wells and install 3 new monitor wells. The work plan was proposed because fluid levels in these wells had declined making LNAPL recovery no longer feasible, and delineation of the contaminant plume could no longer be demonstrated. On February 19, 2020, monitor wells MW-11, MW-13, MW-14, MW-16 were plugged

and abandoned. Between March 3 and April 15, 2020, monitor wells MW-18, MW-19, and MW-20 we installed at the Site. Currently, there are sixteen monitor wells: MW-1R, MW-2R, MW-3R, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-12, MW-15, MW-17, MW-18, MW-19, and MW-20. A Site Details Map is presented in Figure 2.

2. Regulatory Framework

The Site was assigned Remediation Permit number 1RP-0234 by the NMOCD. 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 the 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. In this report, groundwater analytical results for the COCs are compared to the Environmental Protection Agency (EPA) and NMWQCC standards as shown in the following table:

Table 2.1 EPA and NMWQCC Human Health Standards

Analyte	EPA and 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

The table below depicts the Site sampling schedule as approved by the NMOCD.

Table 2.2 NMOCD Approved Sampling Schedule

Location	*Schedule*
MW-1R, MW-2R, MW-3R, MW-4, MW-5, MW-6, MW-7, MW-8, MW-10, MW-12, MW-15, MW-17	Quarterly
MW-9	Semi-Annually
MW-8, MW-15	Annually
MW-1, MW-2, MW-3, MW-11, MW-13, MW-14, MW-16, WW-1	Plugged/Abandoned

Monitoring wells MW-18, MW-19, and MW-20 were installed in 2020 and are currently monitored on a quarterly basis to establish consistent historical data regarding dissolved phase COCs. A change in the sampling schedule was approved in an email from the NMOCD dated March 26, 2020.

Monitoring wells MW-1R, MW-2R, and MW-3R were approved for quarterly sampling, MW-9 was approved for semi-annual sampling and MW-8 and MW-15 were approved for annual sampling.

3. Groundwater Monitoring

GHD conducted groundwater monitoring activities at the Site on February 10 and 17, May 11 and 22, September 15 and 16, and October 29 and 30, 2020. The Site is monitored using 16 on-site monitoring well locations (MW-1R, MW-2R, MW-3R, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-12, MW-15, MW-17, MW-18, MW-19, MW-20). All on-site monitor wells were sampled in accordance with the sampling schedule referred to in Section 2. Monitor wells MW-3R and MW-7 contain measurable amounts of LNAPL (>0.01 feet) and were not sampled.

3.1 Groundwater Monitoring Methodology

Prior to gauging activity, each well cap was removed to allow groundwater levels to stabilize. Static fluid levels were gauged with an oil-water interface probe to the nearest hundredth of a foot. Each well was purged of three casing volumes of water, and groundwater samples were collected. One or two duplicate samples were collected during each quarterly sampling events using clean disposable polyvinyl chloride (PVC) bailers. Laboratory-supplied sample containers were filled directly from bailers. Groundwater samples were placed on ice and chilled to a temperature of approximately 4°C (40°F). Proper chain-of-custody documentation accompanied the samples to Pace National Analytical Laboratory in Mt. Juliet, Tennessee for analysis of BTEX by EPA Method 8021B. Annual samples were collected for analysis of PAH by EPA Method 8270C-SIM during 2020 for all wells that have not met NMWQCC and NMOCD standards. The total volume of groundwater purged from wells during quarterly monitoring events in 2020 was 491.50 gallons.

3.2 Groundwater Elevations and Gradient

All fluid level measurements were recorded from professionally surveyed tops of casing (TOC). Calculations of groundwater elevations used a specific gravity of 0.81 for the density of LNAPL where it was present. Groundwater gauging data collected by GHD during the quarterly groundwater monitoring events in 2020 are presented in Table 1. Maps of the potentiometric surface for February, May, September, and October 2020 are provided as Figures 3 through 6, respectively.

The groundwater flow direction is toward the southeast and is consistent with historical data. The average gradient determined from the four groundwater monitoring events was approximately 0.0036 feet/foot (ft/ft.). Direction and magnitudes of the gradient during 2020 were consistent with previous findings. Groundwater elevations declined an average of 1.35 feet across the site between October 22, 2019 and October 29, 2020.

3.3 Presence of Light Non-aqueous Phase Liquids (LNAPL)

LNAPL was observed in recovery wells MW-3R and MW-7 during all gauging events during 2020. The greatest thickness of LNAPL observed during 2020 was 0.48 feet in monitor well MW-7 on August 27, 2020 and September 4, 2020. LNAPL was not observed in any other well during 2020. Charts of thicknesses of LNAPL versus time in monitor wells MW-3R, MW-5, MW-6 and MW-7 are

presented in Appendix A. These charts indicate declining thicknesses of LNAPL in MW-3R and MW-7. Maps of LNAPL thickness in groundwater during monitoring events conducted in February, May, September, and October 2020 are presented as Figure 7, Figure 8, Figure 9, and Figure 10, respectively.

3.4 Groundwater Monitoring Results

Analytical results for monitoring conducted during 2019 and 2020 are included in Table 2. Results of analyses of BTEX during the first, second, third, and fourth quarterly monitoring events are shown on Figure 7, Figure 8, Figure 9, and Figure 10, respectively.

During the first quarter monitoring event, measurable amounts of LNAPL (>0.01 feet) were gauged in monitor wells MW-3R (0.15 feet) and MW-7 (0.20 feet) on February 10, 2020. MW-1R, MW-2R, MW-4R, MW-5, MW-6, MW-8, MW-9, MW-10, MW-12, MW-15, and MW-17 were sampled for BTEX on February 17, 2020. Newly installed monitor wells MW-19 and MW-20 were sampled for BTEX on March 25, 2020. Analytical results indicated monitor wells MW-1R, MW-5, and MW-17 exhibited benzene concentrations above the Human Health Standard of 0.01 mg/L, ranging from 0.0157 mg/L in MW-5 to 0.657 mg/L in MW-17. Toluene concentrations were not detected in any of the wells. Monitor wells MW-1 and MW-17 exhibited ethylbenzene and total xylene concentrations below the Human Health Standards of 0.75 mg/L 0.62 mg/L, respectively.

The second quarter sampling event was conducted on May 11 and 22, 2020. Measurable amounts of LNAPL (>0.01 feet) were gauged in monitor wells MW-3R (0.19 feet) and MW-7 (0.35 feet). MW-1R, MW-2R, MW-4R, MW-5, MW-6, MW-9, MW-10, MW-12, MW-17, MW-18 (new), MW-19, and MW-20 were sampled for BTEX on May 22, 2020. Analytical results indicated monitor wells MW-1R and MW-17 exhibited Benzene concentrations above the Human Health Standard of 0.01 mg/L, ranging from 0.0459 mg/L in MW-1 to 1.530 mg/L in MW-17. Monitor well MW-5 exhibited Benzene concentrations below the Human Health Standard of 0.01 mg/L. Toluene concentrations were not detected in any of the wells. Monitor wells MW-1 and MW-17 exhibited ethylbenzene and total xylene concentrations below the Human Health Standards of 0.75 mg/L 0.62 mg/L, respectively.

During the September 15 and 16, 2020 quarterly monitoring event, measurable amounts of LNAPL (>0.01 feet) were gauged in monitor wells MW-3R (0.25 feet) and MW-7 (0.07 feet). MW-1R, MW-2R, MW-4R, MW-5, MW-6, MW-9, MW-10, MW-12, MW-17, MW-18, MW-19, and MW-20 were sampled for BTEX on September 16, 2020. Analytical results indicated monitor wells MW-1R and MW-17 exhibited Benzene concentrations above the Human Health Standard of 0.01 mg/L, ranging from 0.0627 mg/L in MW-1 to 1.22 mg/L in MW-17 (DUP-1). Monitor well MW-5 exhibited benzene concentrations below the Human Health Standard of 0.01 mg/L. Toluene concentrations below the Human Health Standard of 0.75 mg/L were detected in monitor wells MW-5 and MW-17. Monitor wells MW-1 and MW-17 exhibited ethylbenzene below the Human Health Standard of 0.75 mg/L. Total xylene concentrations below the Human Health Standards of 0.62 mg/L were detected in monitor wells MW-1R, MW-5 and MW-17.

During the fourth quarter monitoring event, measurable amounts of LNAPL (>0.01 feet) were gauged in monitor wells MW-3R (0.36 feet) and MW-7 (0.01 feet) on October 29, 2020. MW-1R, MW-2R, MW-4R, MW-5, MW-6, MW-10, MW-12, MW-17, MW-18, MW-19, and MW-20 were sampled for BTEX on October 30, 2020. Analytical results indicated monitor wells MW-1R and MW-17 exhibited Benzene concentrations above the Human Health Standard of 0.01 mg/L, ranging from

0.115 mg/L in MW-1 to 0.790 mg/L in MW-17 (DUP-1). Monitor wells MW-4 and MW-5 exhibited benzene concentrations below the Human Health Standard of 0.01 mg/L. Toluene concentrations below the Human Health Standard of 0.75 mg/L were detected in monitor well MW-5. Monitor wells MW-1, MW-4, MW-5 and MW-17 exhibited ethylbenzene below the Human Health Standard of 0.75 mg/L. Total xylene concentrations below the Human Health Standards of 0.62 mg/L were detected in monitor wells MW-1R, MW-5 and MW-17.

Charts of concentrations of dissolved Benzene versus time for MW-1R, MW-4, MW-5, MW-6, MW-10, MW-12, and MW-17 were generated to evaluate the trends of Benzene concentrations. These charts indicate stable or declining trends at all sample points except for MW-5 which has a fluctuating trend. The charts are provided in Appendix B.

In accordance with the request from NMOCD, samples collected during the fourth quarter sampling event from MW-5, MW-17, MW-18, MW-19, and MW-20 were analyzed for PAHs. MW-17 exceeded the Human Health Standard for dibenzofuran, fluorene, phenanthrene, and combined naphthalene plus monomethylnaphthalenes. Monitor wells MW-5, MW-17, MW-18, MW-19, and MW-20 will be sampled again in the fourth quarter 2021. Analytical results for PAHs are summarized in Table 3 and on Figure 10. Certified laboratory reports of analyses conducting during 2020 are in Appendix C.

4. Corrective Action

Enhanced fluid recovery (EFR) events were conducted on monitor well MW-3R on January 22, 2020, February 26, 2020, May 22, 2020, September 4, 2020, and November 13, 2020. Approximately 2,520 gallons of total fluids were removed from MW-3R during the EFR events. An EFR event was conducted on monitor MW-7 on September 4, 2020, resulting in the removal of approximately 420 gallons of total fluids. All fluids recovered during the EFR events were disposed of at a licensed disposal facility as directed by Plains.

5. Summary of Findings

Based on results of the groundwater monitoring and remedial activities of 2020 as described above, the following summary of findings is presented:

- MW-11, MW-13, MW-14, and MW-16 were plugged and abandoned on February 19, 2020 due to insufficient water for sampling.
- MW-18, MW-19, and MW-20 were installed in February and April 2020 to enhance site delineation. The new wells did not exhibit BTEX concentrations above the laboratory reporting limits and were sampled on a quarterly basis.
- The groundwater flow direction is toward the southeast and is consistent with historical data. The average gradient determined from the four groundwater monitoring events was approximately 0.0036 feet/foot (ft/ft.).
- Groundwater elevations declined an average of 1.35 feet across the site between October 22, 2019 and October 29, 2020.

- LNAPL was observed in recovery wells MW-3R and MW-7 during all gauging events during 2020. LNAPL was not observed in any other wells during 2020. The greatest thickness of LNAPL observed during 2020 was 0.48 feet in monitor well MW-7 on August 27 and September 4, 2020.
- Benzene concentrations were detected in MW-1R and MW-17 in all four quarterly monitoring events, and MW-5 during the first quarter, at concentrations exceeding the NMWQCC Human Health Standard. Benzene was detected in MW-4 (fourth quarter), MW-5 (second, third, and fourth quarter) at concentrations below the NMWQCC Human Health Standard.
- Of the five wells sampled, only one well, MW-17, had levels of PAH that exceeded the Human Heath Standard. MW-17 exceeded the Human Health Standard for dibenzofuran, fluorene, phenanthrene, and combined naphthalene plus monomethylnaphthalenes.
- Based on historical records for this release location, the cumulative volume of LNAPL recovered from the Denton site is 8,274.4 gallons (197.01 barrels).

6. Recommendations

Based on the current groundwater conditions, GHD recommends the following path forward:

- Continue quarterly groundwater monitoring events with annual reporting to the NMOCD.
- Continue annual sampling for PAHs during the fourth quarterly event according to the directives of the NMOCD. This will include MW-5, MW-17, MW-18, MW-19, MW-20, and wells no longer exhibiting measurable LNAPL.
- Continue LNAPL abatement of MW-3R and MW-7 with quarterly EFR events to enhance LNAPL recovery.
- Seek approval by NMOCD of quarterly groundwater sampling schedule for MW-18, MW-19, and MW-20.

All of Which is Respectfully Submitted,

GHD

Becky Haskell
Senior Project Manager

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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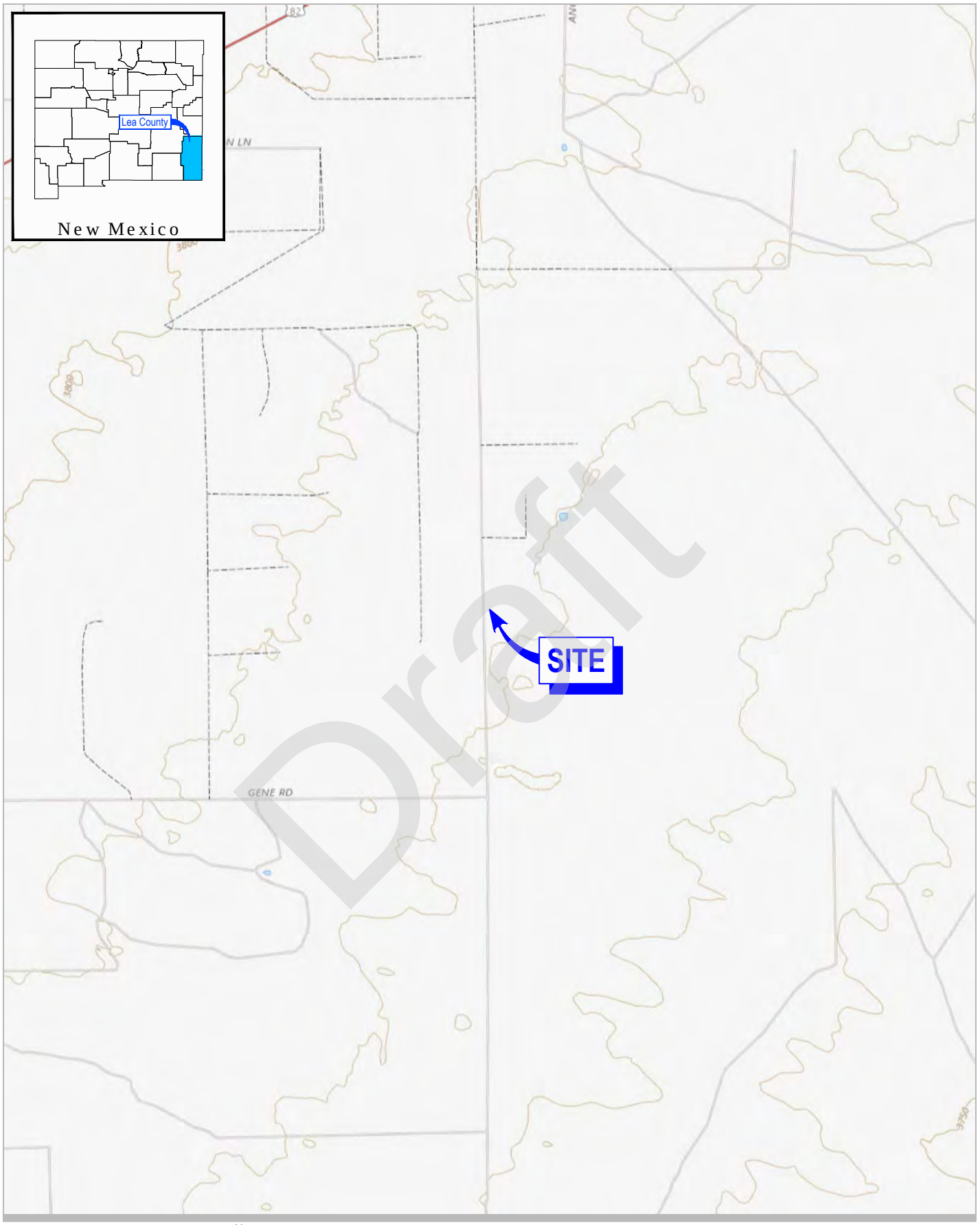
Figures



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Coordinate System:
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New Mexico East (US Feet)

N

GHD

PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DENTON STATION

Project No. **11209870**
Date **January 2021**

SITE LOCATION MAP

FIGURE 1

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Data Source: USGS 7.5 Minute Quad "Prairieview, New Mexico"
Lat/Long: 33.0175° North, 103.1624° West

PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DENTON STATION

Project No. **11209870**
Date **January 2021**

SITE DETAILS MAP

FIGURE 2

Filename: I:\CAD\Files\Eight Digit Job Numbers\1120----\11209870-Denton Station\11209870-02\11209870(GWR 2020)\11209870(GWR 2020)GN-DL002.dwg
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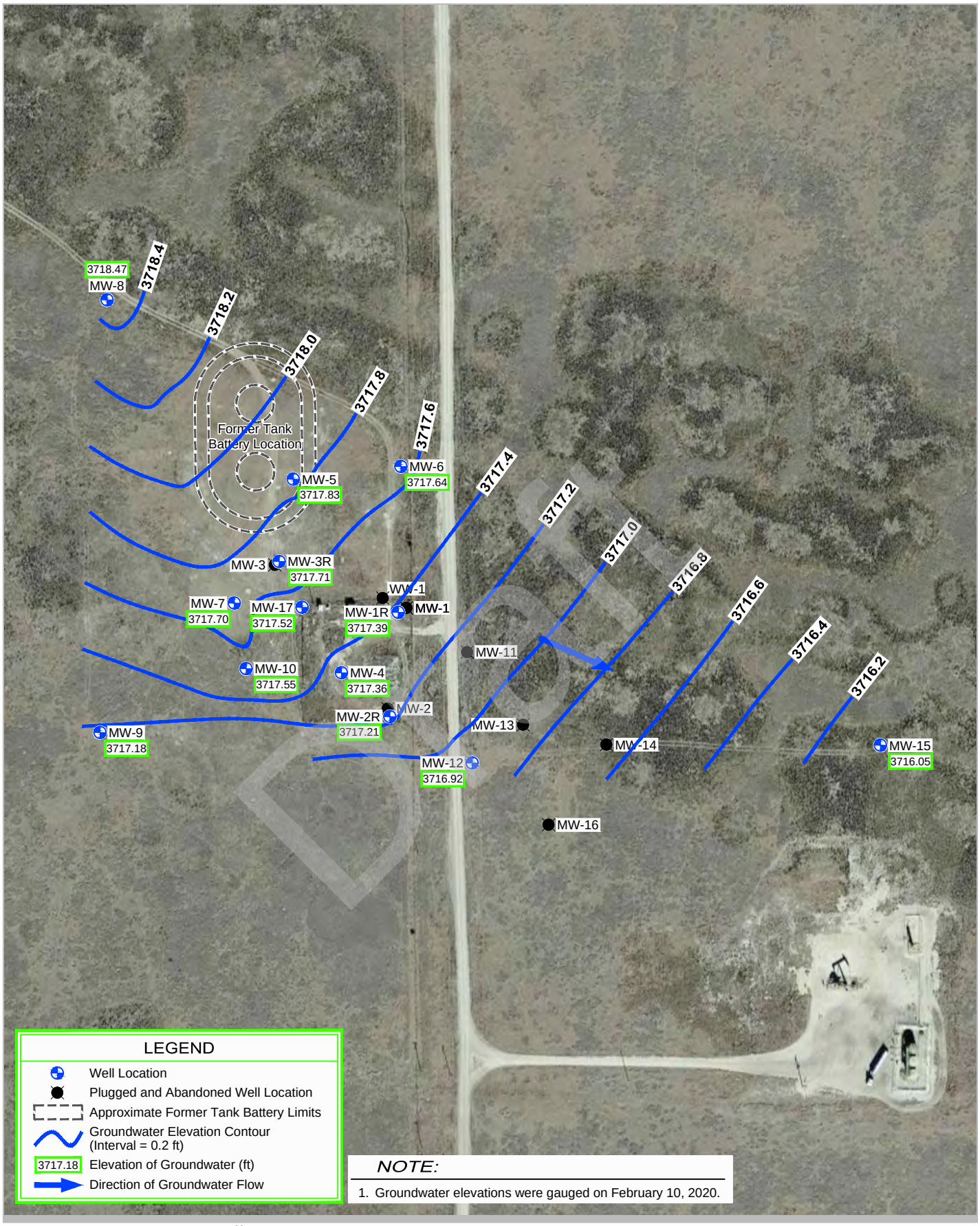

PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DENTON STATION

Project No. **11209870**
Date **January 2021**

GROUNDWATER GRADIENT MAP
FEBRUARY 10, 2020

FIGURE 3

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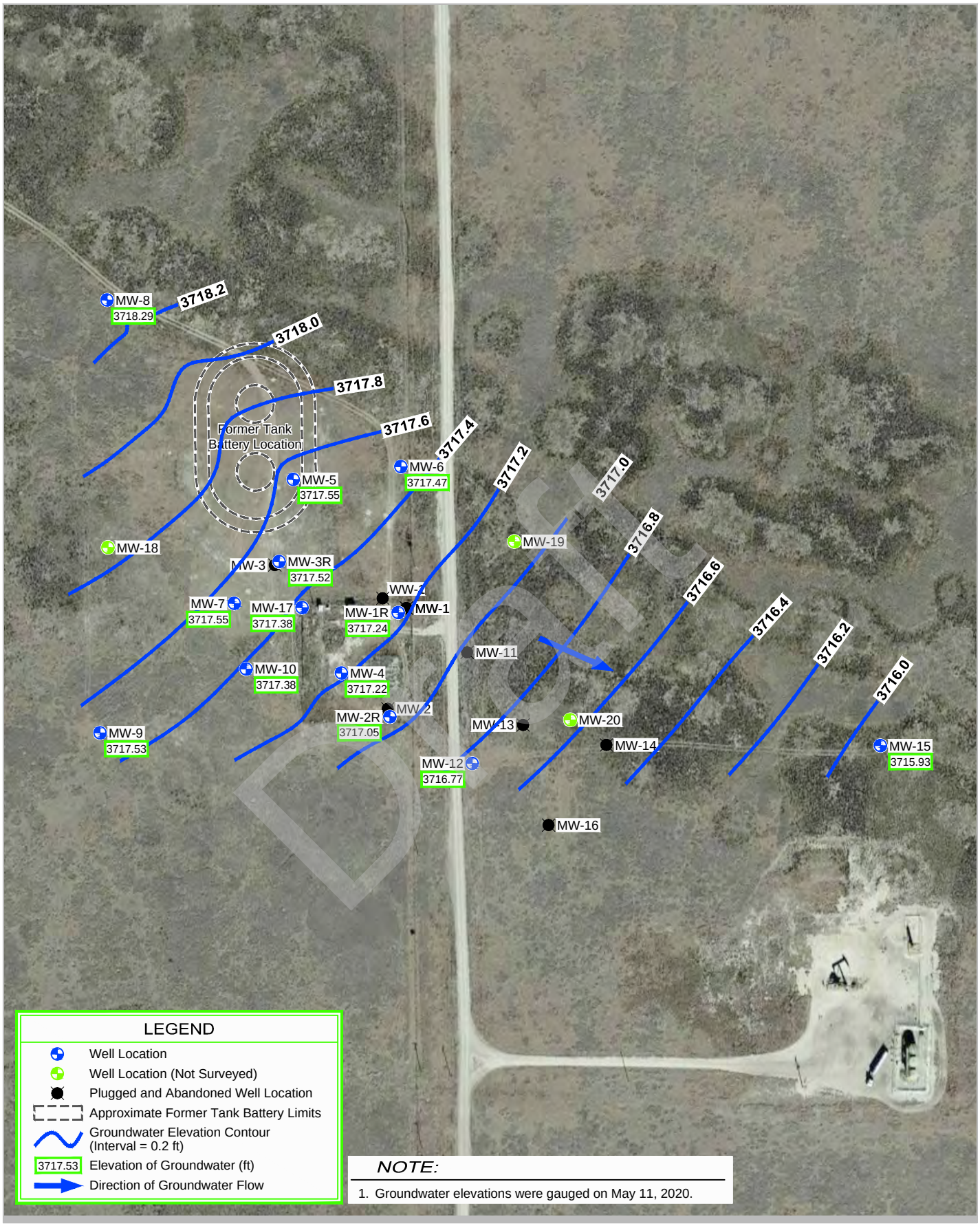

PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DENTON STATION

Project No. **11209870**
Date **January 2021**

GROUNDWATER GRADIENT MAP
MAY 11, 2020

FIGURE 4

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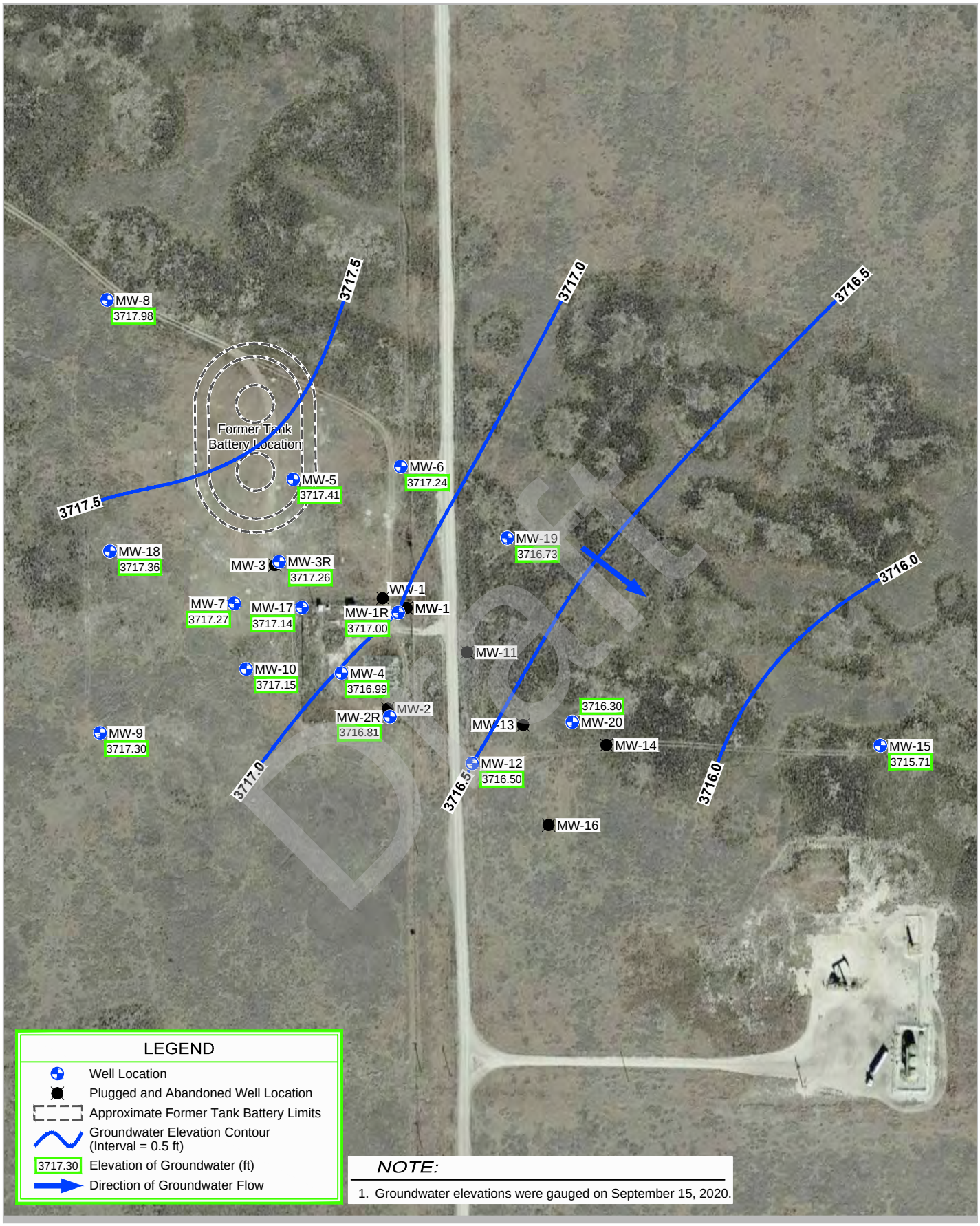

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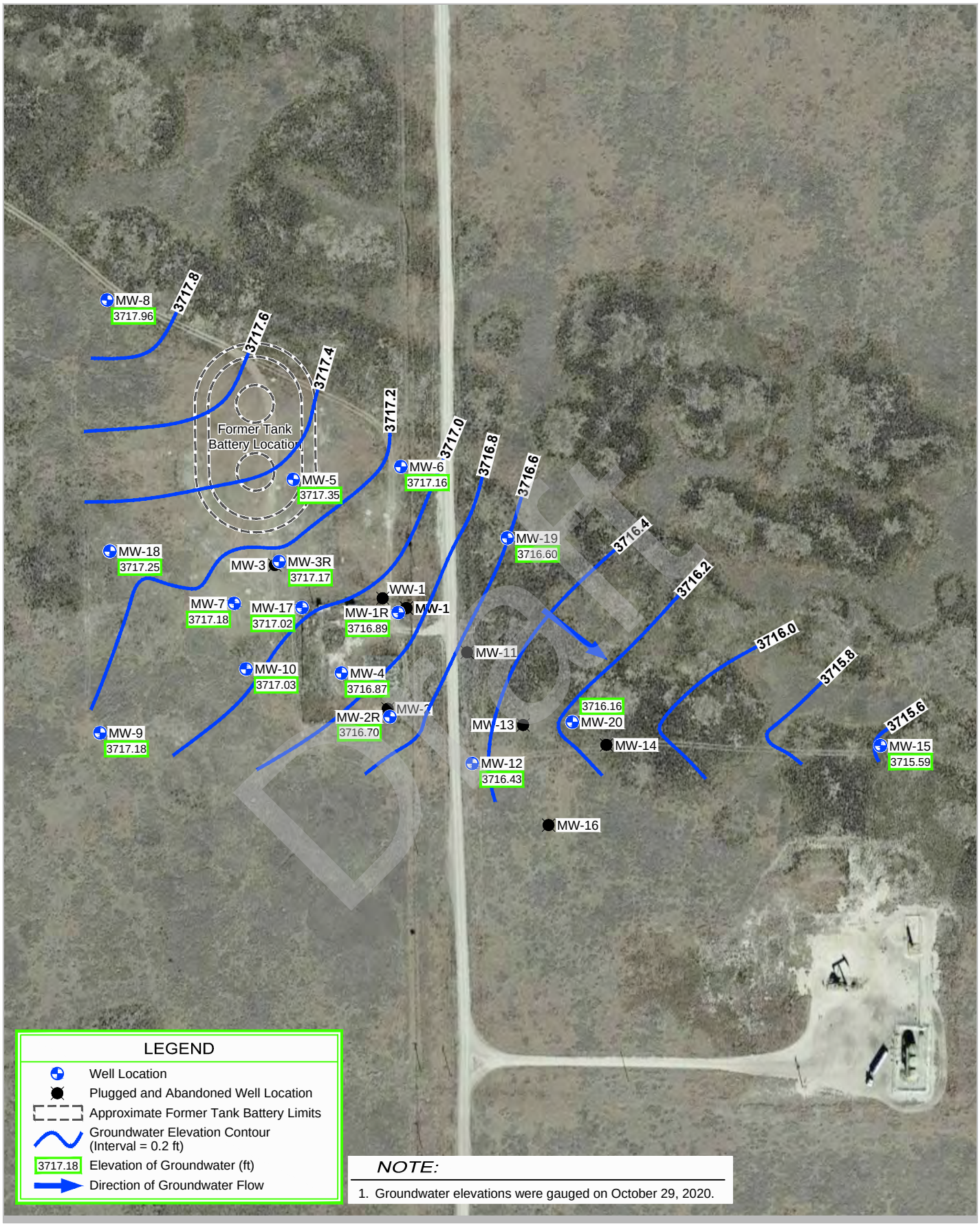

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PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DENTON STATION

GROUNDWATER GRADIENT MAP
OCTOBER 29, 2020

Project No. 11209870
Date January 2021

FIGURE 6

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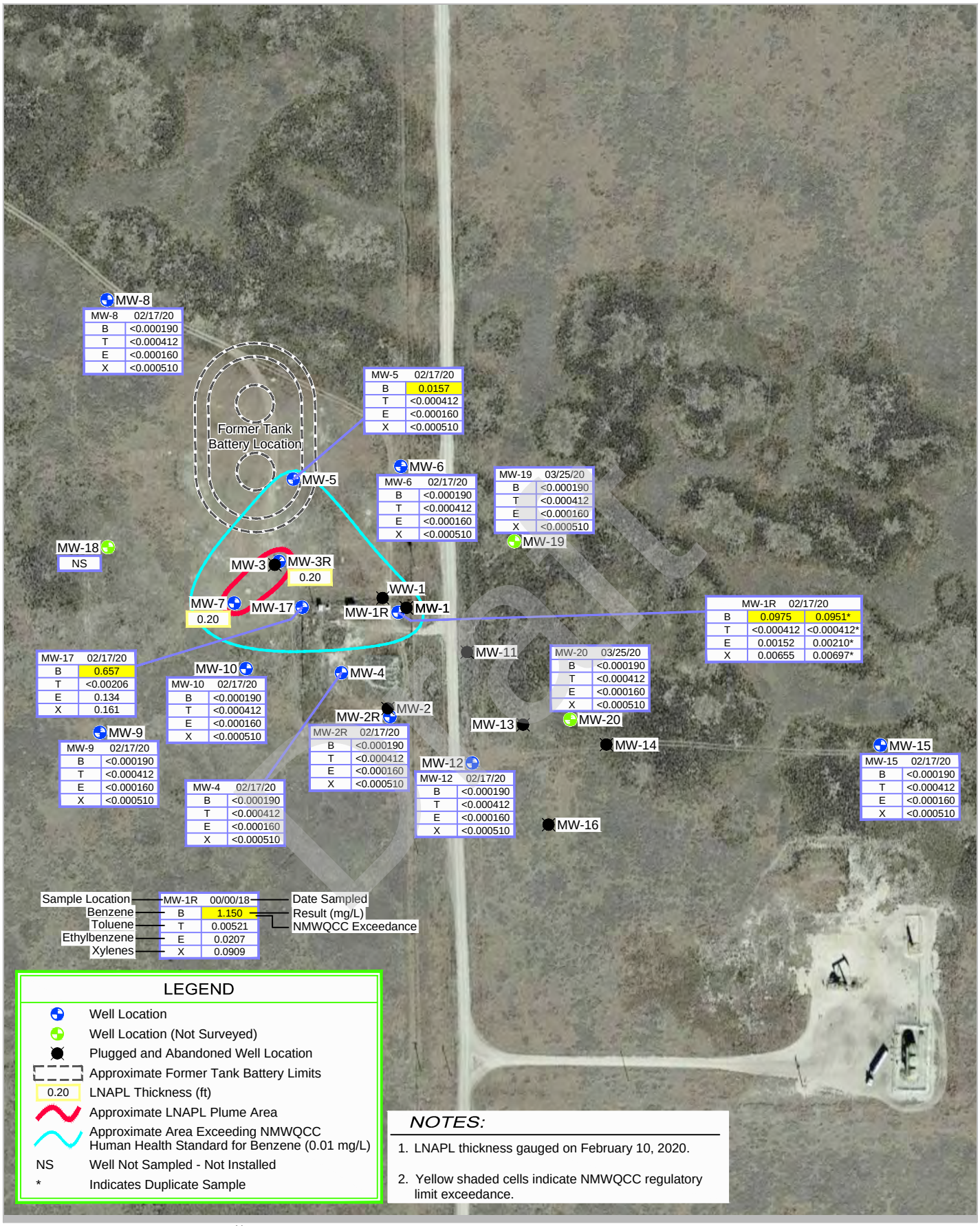

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N

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PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DENTON STATION

LNAPL THICKNESS AND GROUNDWATER BTEX CONCENTRATION MAP
FEBRUARY 17, 2020 AND MARCH 25, 2020

Project No. 11209870
Date January 2021

FIGURE 7

Filename: I:\CAD\Files\Eight Digit Job Numbers\1120----\11209870-Denton Station\11209870-02\11209870(GWR 2020)\11209870(GWR 2020)GN-DL001.dwg
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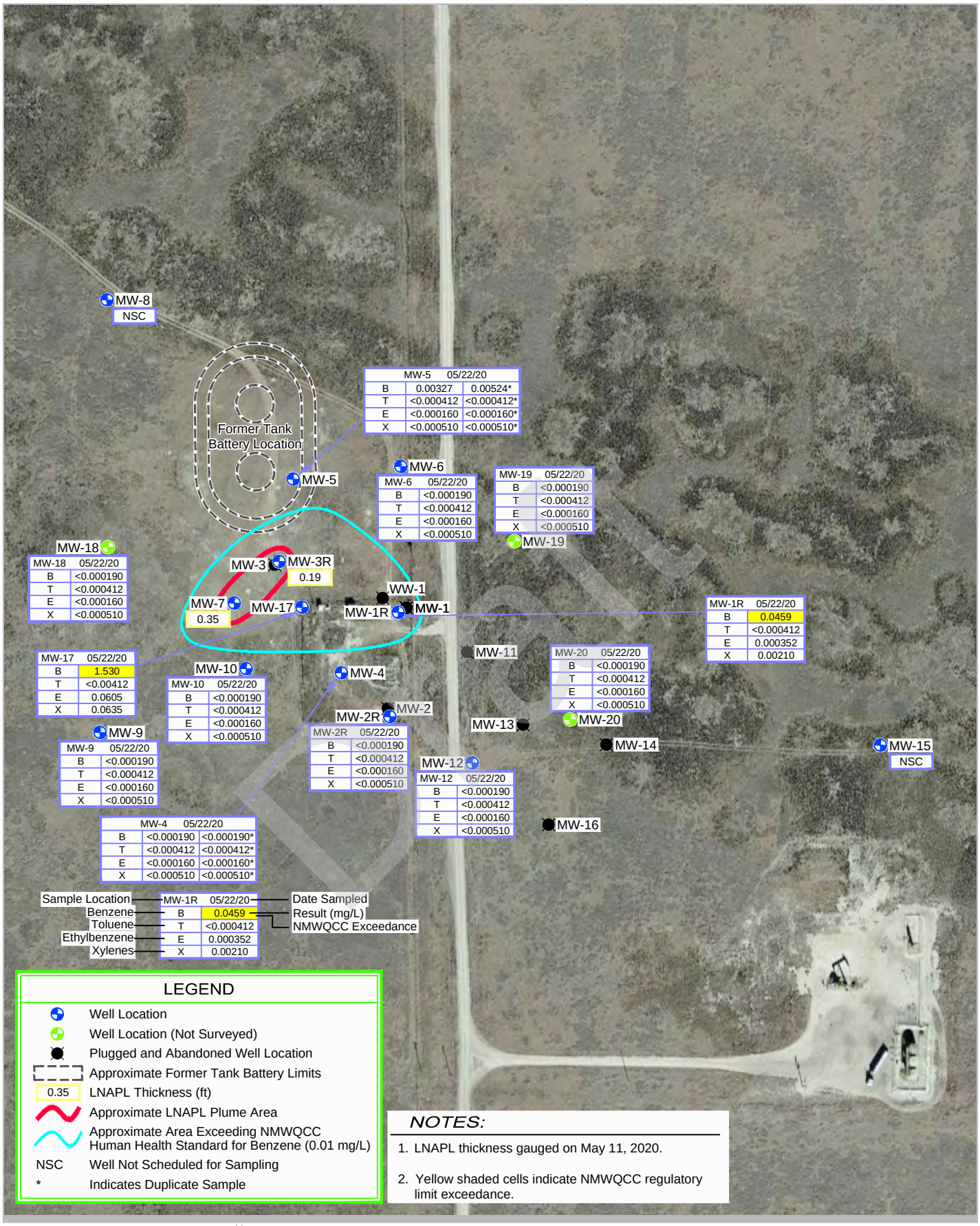

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PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DENTON STATION

LNAPL THICKNESS AND GROUNDWATER BTEX CONCENTRATION MAP MAY 22, 2020

Project No. **11209870**
Date **January 2021**

FIGURE 8

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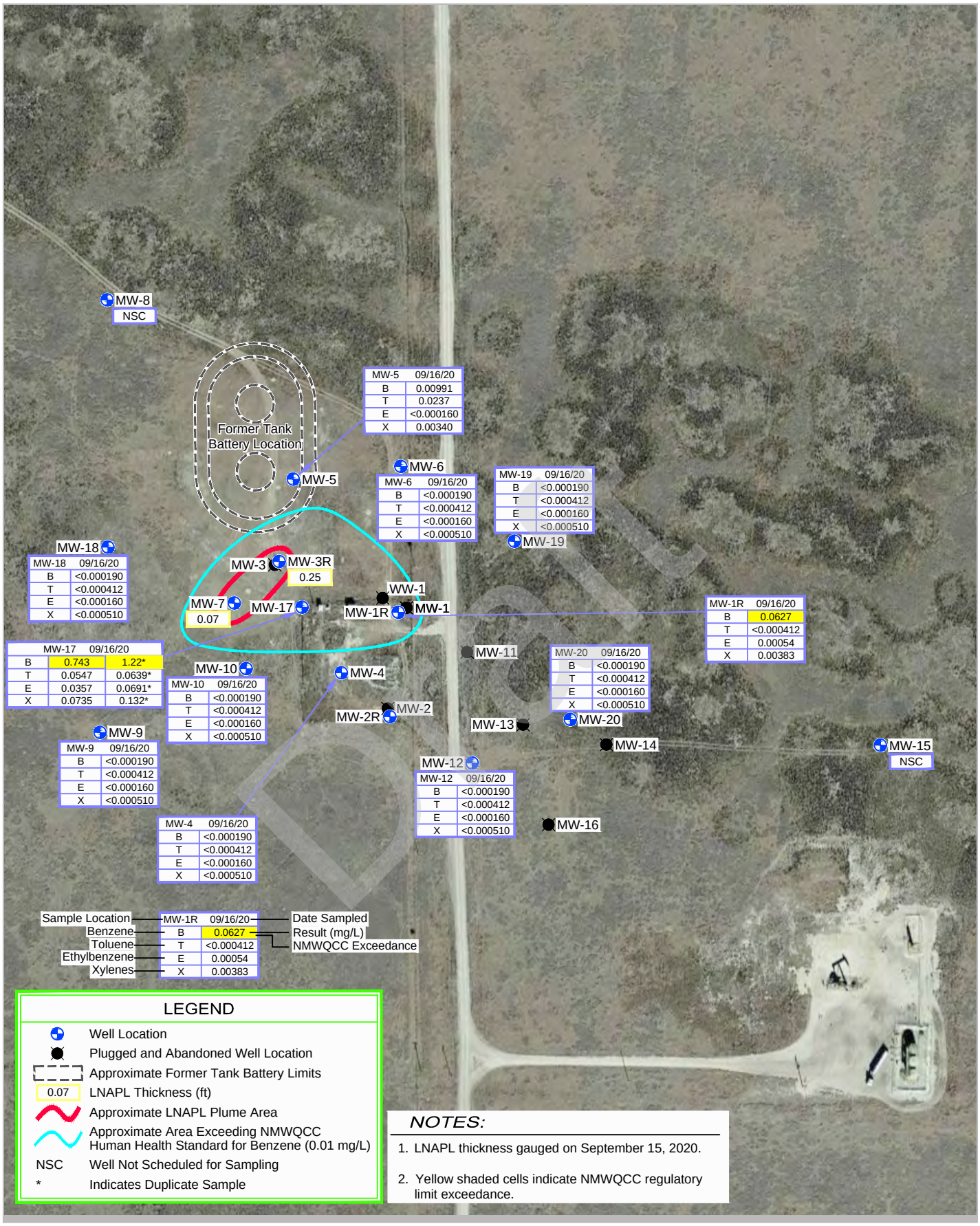

PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DENTON STATION

LNAPL THICKNESS AND GROUNDWATER BTEX CONCENTRATION MAP
SEPTEMBER 15, 2020

Project No. 11209870
Date February 2021

FIGURE 9

Filename: C:\Users\jtafolla\OneDrive - GHD\Desktop\MOVE BACK TO SERVER\11209870 - Denton Station\11209870(GWR 2020)GN-DL002.dwg
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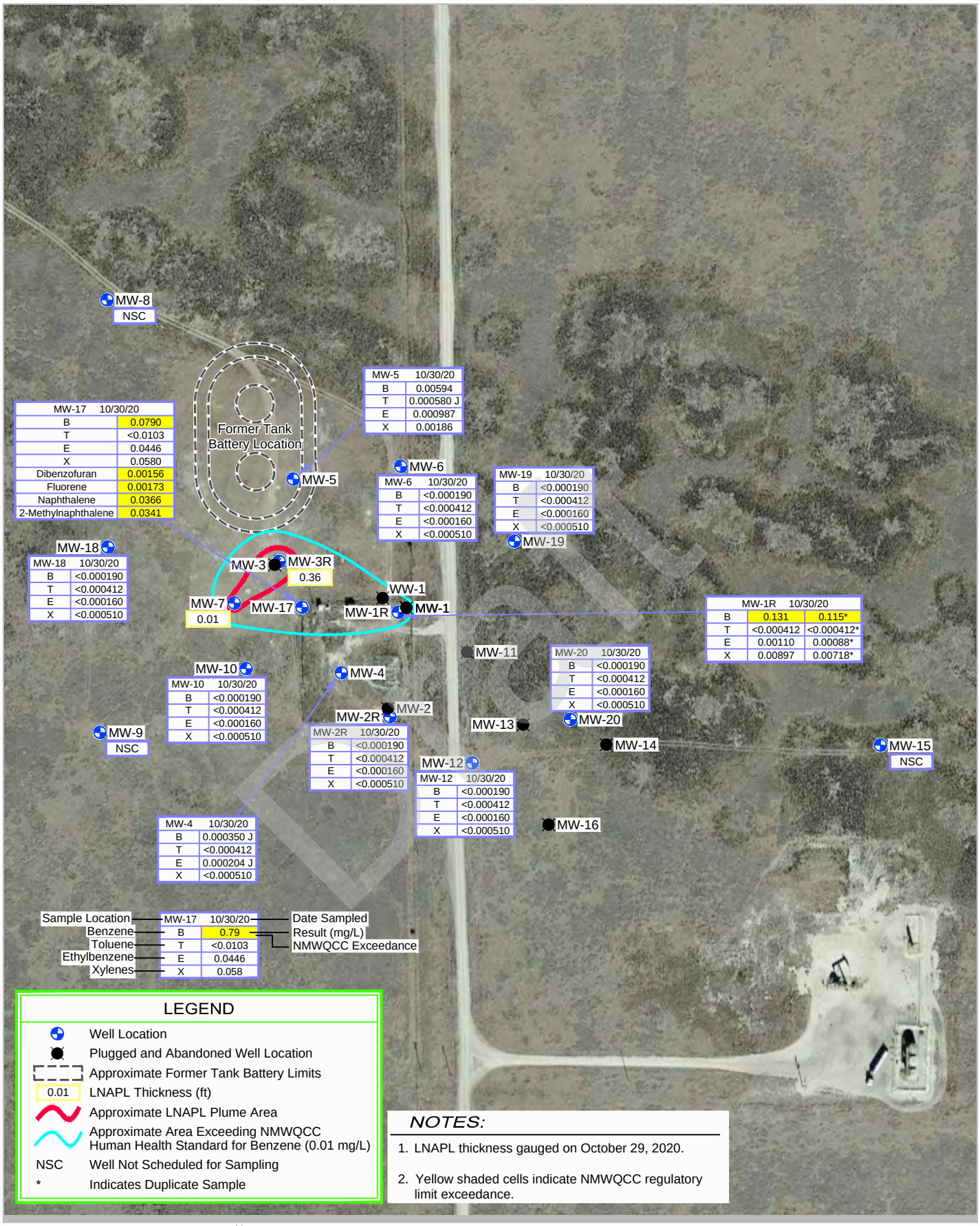

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Coordinate System:
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New Mexico East (US Feet)

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PLAINS PIPELINE L.P.
LEA COUNTY, NEW MEXICO
DENTON STATION

LNAPL THICKNESS AND GROUNDWATER BTEX CONCENTRATION MAP
OCTOBER 30, 2020

Project No. **11209870**
Date **February 2021**

FIGURE 10

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Data Source: Microsoft Product Screen shot(s) Reprinted with permission from Microsoft Corporation
Lat/Long: 33.0175° North, 103.1624° West

Tables

Table 1

Summary of Fluid Level Measurements 2019 & 2020
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	Thickness of LNAPL (ft)	Elevation of Potentiometric Surface (famsl)	Measured Well Depth (fbtoc)	Well Screen Interval (fbgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-1R	3782.75	2/25/19	64.72	-	0.00	3718.03					
MW-1R	3782.75	2/27/19	-	-	-	-				6.0	
MW-1R	3782.75	5/20/19	64.85	-	0.00	3717.90					
MW-1R	3782.75	5/21/19	-	-	-	-			0.0	6.0	
MW-1R	3782.75	6/11/19	-	-	-	-			0.0	3.0	
MW-1R	3782.75	7/23/19	63.97	-	0.00	3718.78					
MW-1R	3782.75	7/26/19	-	-	-	-			0.0	3.0	
MW-1R	3782.75	8/21/19	-	-	-	-			0.0	3.0	
MW-1R	3782.75	7/31/19	65.00	-	0.00	3717.75					
MW-1R	3782.75	9/3/19	-	-	-	-				3	
MW-1R	3782.75	9/11/19	-	-	-	-				3	
MW-1R	3782.75	10/22/19	65.12	-	0.00	3717.63				5	
MW-1R	3782.75	2/10/20	65.36	-	0.00	3717.39	68.50			11	
MW-1R	3782.75	3/18/20	-	-	-	-				3	
MW-1R	3782.75	4/27/20	65.49	-	0.00	3717.26					
MW-1R	3782.75	5/11/20	65.51	-	0.00	3717.24				6	
MW-1R	3782.75	6/18/20	65.60	-	0.00	3717.15					
MW-1R	3782.75	7/27/20	65.66	-	0.00	3717.09					
MW-1R	3782.75	8/27/20	65.71	-	0.00	3717.04					
MW-1R	3782.75	9/15/20	65.75	-	0.00	3717.00				6	
MW-1R	3782.75	10/29/20	65.86	-	0.00	3716.89				6	
MW-1R	3782.75	12/11/20	65.95	-	0.00	3716.80					
MW-2R	3784.17	2/25/19	66.31	-	0.00	3717.86					
MW-2R	3784.17	2/27/19	-	-	-	-				26.00	
MW-2R	3784.17	5/20/19	66.45	-	0.00	3717.72					
MW-2R	3784.17	5/21/19	-	-	-	-			0.00	26.0	
MW-2R	3784.17	7/23/19	66.55	-	0.00	3717.62					
MW-2R	3784.17	7/26/19	-	-	-	-			0.0	22.0	
MW-2R	3784.17	10/22/19	66.75	-	0.00	3717.42				22.0	
MW-2R	3784.17	2/10/20	66.96	-	0.00	3717.21	79.80			25.0	
MW-2R	3784.17	4/27/20	67.10	-	0.00	3717.07					
MW-2R	3784.17	5/11/20	67.12	-	0.00	3717.05				24.5	
MW-2R	3784.17	6/18/20	67.20	-	0.00	3716.97					
MW-2R	3784.17	7/27/20	67.25	-	0.00	3716.92					
MW-2R	3784.17	8/27/20	67.32	-	0.00	3716.85					
MW-2R	3784.17	9/15/20	67.36	-	0.00	3716.81				24.5	
MW-2R	3784.17	10/29/20	67.47	-	0.00	3716.70				24.0	
MW-2R	3784.17	12/11/20	67.53	-	0.00	3716.64					

Table 1

Summary of Fluid Level Measurements 2019 & 2020
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	Thickness of LNAPL (ft)	Elevation of Potentiometric Surface (famsl)	Measured Well Depth (fbtoc)	Well Screen Interval (fbgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-3R	3786.00	1/23/19	67.96	67.55	0.41	3718.37			0.3		630
MW-3R	3786.00	2/25/19	67.86	67.62	0.24	3718.33					
MW-3R	3786.00	2/27/19	-	-	-	-			0.3		630
MW-3R	3786.00	4/30/19	67.95	67.76	0.19	3718.20			0.12		630
MW-3R	3786.00	5/20/19	67.89	67.79	0.10	3718.19					
MW-3R	3786.00	6/5/19	-	-	-	-			0.06		546
MW-3R	3786.00	6/11/19	-	-	-	-			0.1	2.9	
MW-3R	3786.00	6/19/19	67.92	67.87	0.05	3718.12			0.03		420
MW-3R	3786.00	7/23/19	68.05	67.92	0.13	3718.06					
MW-3R	3786.00	7/31/19	-	-	-	-					420
MW-3R	3786.00	8/21/19	-	-	-	-					420
MW-3R	3786.00	9/18/19	68.01	67.84	0.17	3718.13					420
MW-3R	3786.00	10/22/19	68.22	68.08	0.14	3717.89					168
MW-3R	3786.00	11/26/19	68.32	68.14	0.18	3717.83					420
MW-3R	3786.00	12/11/19	68.27	68.22	0.05	3717.77					1,050
MW-3R	3786.00	1/22/20	68.47	68.27	0.20	3717.69					420
MW-3R	3786.00	2/10/20	68.45	68.30	0.15	3717.67	79.79				
MW-3R	3786.00	2/26/20	68.54	68.34	0.20	3717.62					504
MW-3R	3786.00	4/27/20	68.57	68.41	0.16	3717.56					
MW-3R	3786.00	5/11/20	68.63	68.44	0.19	3717.52					
MW-3R	3786.00	5/22/20	68.67	68.45	0.22	3717.51					1,008
MW-3R	3786.00	6/18/20	68.64	68.50	0.14	3717.47					
MW-3R	3786.00	7/27/20	68.81	68.56	0.25	3717.39					
MW-3R	3786.00	8/27/20	68.94	68.60	0.34	3717.34					
MW-3R	3786.00	9/4/20	68.99	68.63	0.36	3717.30					252
MW-3R	3786.00	9/4/20	68.35	68.33	0.02	3717.67					
MW-3R	3786.00	9/15/20	68.94	68.69	0.25	3717.26					
MW-3R	3786.00	10/29/20	69.12	68.76	0.36	3717.17					
MW-3R	3786.00	11/13/20	69.19	68.77	0.42	3717.15					336
MW-3R	3786.00	11/13/20	68.89	68.89	0.00	3717.11					
MW-3R	3786.00	12/11/20	69.00	68.88	0.12	3717.10					
MW-4	3783.03	2/25/19	65.79	-	0.00	3717.24				12.0	
MW-4	3783.03	2/27/19	-	-	-	-					
MW-4	3783.03	5/20/19	65.95	-	0.00	3717.08				12.0	
MW-4	3783.03	5/21/19	-	-	-	-			0.00		
MW-4	3783.03	7/23/19	66.04	-	0.00	3716.99				7.0	
MW-4	3783.03	7/26/19	-	-	-	-			0.0	8.0	
MW-4	3783.03	10/22/19	66.23	-	0.00	3716.80					
MW-4	3783.81	12/13/19	-	-	-	-					
MW-4	3783.81	2/10/20	66.45	-	0.00	3717.36	72.01			11.0	

Table 1

Summary of Fluid Level Measurements 2019 & 2020
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	Thickness of LNAPL (ft)	Elevation of Potentiometric Surface (famsl)	Measured Well Depth (fbtoc)	Well Screen Interval (fbgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-4	3783.81	4/27/20	66.98	-	0.00	3716.83					
MW-4	3783.81	5/11/20	66.59	-	0.00	3717.22				11.0	
MW-4	3783.81	6/18/20	66.68	-	0.00	3717.13					
MW-4	3783.81	7/27/20	66.73	-	0.00	3717.08					
MW-4	3783.81	8/27/20	66.80	-	0.00	3717.01					
MW-4	3783.81	9/15/20	66.82	-	0.00	3716.99				11.0	
MW-4	3783.81	10/29/20	66.94	-	0.00	3716.87				10.0	
MW-4	3783.81	12/11/20	67.02	-	0.00	3716.79					
MW-5	3784.28	2/25/19	65.83	-	0.00	3718.45				12.0	
MW-5	3784.28	5/20/19	65.96	-	0.00	3718.32				5.0	
MW-5	3784.28	5/21/19	-	-	-	-			0.00	3.0	
MW-5	3784.28	6/11/19	-	-	-	-			0.00		
MW-5	3784.28	7/23/19	66.19	-	0.00	3718.09				3	
MW-5	3784.28	8/21/19	-	-	-	-			0	5.0	
MW-5	3784.28	7/26/19	-	-	-	-			0.0	3.0	
MW-5	3784.28	9/3/19	-	-	-	-				3.0	
MW-5	3784.28	9/11/19	-	-	-	-				8.0	
MW-5	3784.28	10/22/19	66.25	-	0.00	3718.03					
MW-5	3784.28	2/10/20	66.45	-	0.00	3717.83	71.60			8.0	
MW-5	3784.28	3/18/20	-	-	-	-				3.0	
MW-5	3784.28	4/27/20	67.69	-	0.00	3716.59					
MW-5	3784.28	5/11/20	66.73	-	0.00	3717.55				10.0	
MW-5	3784.28	6/18/20	66.65	-	0.00	3717.63					
MW-5	3784.28	7/27/20	66.75	-	0.00	3717.53					
MW-5	3784.28	8/27/20	66.81	-	0.00	3717.47					
MW-5	3784.28	9/15/20	66.87	-	0.00	3717.41				10.0	
MW-5	3784.28	10/29/20	66.93	-	0.00	3717.35				8.0	
MW-5	3784.28	12/11/20	67.01	-	0.00	3717.27					
MW-6	3785.79	2/25/19	67.50	-	0.00	3718.29				12.0	
MW-6	3785.79	5/20/19	68.14	-	0.00	3717.65				10.0	
MW-6	3785.79	5/21/19	-	-	-	-			0.00		
MW-6	3785.79	7/23/19	67.75	-	0.00	3718.04				8.0	
MW-6	3785.79	7/26/19	-	-	-	-			0.0	8.0	
MW-6	3785.79	10/22/19	67.95	-	0.00	3717.84					
MW-6	3785.79	2/10/20	68.15	-	0.00	3717.64	73.50			10.5	
MW-6	3785.79	4/27/20	68.28	-	0.00	3717.51					
MW-6	3785.79	5/11/20	68.32	-	0.00	3717.47				10.0	
MW-6	3785.79	6/18/20	68.37	-	0.00	3717.42					
MW-6	3785.79	7/27/20	68.42	-	0.00	3717.37					

Table 1

Summary of Fluid Level Measurements 2019 & 2020
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	Thickness of LNAPL (ft)	Elevation of Potentiometric Surface (famsl)	Measured Well Depth (fbtoc)	Well Screen Interval (fbgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-6	3785.79	8/27/20	68.48	-	0.00	3717.31					
MW-6	3785.79	9/15/20	68.55	-	0.00	3717.24				10.0	
MW-6	3785.79	10/29/20	68.63	-	0.00	3717.16				10.0	
MW-6	3785.79	12/11/20	68.72	-	0.00	3717.07					
MW-7	3783.06	1/23/19	64.90	64.59	0.31	3718.41			0.3		630
MW-7	3783.06	2/25/19	64.79	64.69	0.10	3718.35					
MW-7	3783.06	5/20/19	64.97	64.83	0.14	3718.20				3.0	
MW-7	3783.06	6/11/19	-	-	-	-			0.00	2.9	
MW-7	3783.06	8/21/19	-	-	-	-			0.10		
MW-7	3783.06	7/23/19	65.20	64.95	0.25	3718.06				2.9	
MW-7	3783.06	9/3/19	-	-	-	-			0.1	1.9	
MW-7	3783.06	9/11/19	-	-	-	-			0.1		
MW-7	3783.06	10/22/19	65.28	65.10	0.18	3717.93					168
MW-7	3783.06	2/10/20	65.52	65.32	0.20	3717.70	70				
MW-7	3783.06	4/27/20	65.76	65.41	0.35	3717.58					
MW-7	3783.06	5/11/20	65.79	65.44	0.35	3717.55					
MW-7	3783.06	6/18/20	65.94	65.53	0.41	3717.45					
MW-7	3783.06	7/27/20	66.02	65.55	0.47	3717.42					
MW-7	3783.06	8/27/20	66.08	65.60	0.48	3717.37					
MW-7	3783.06	9/4/20	66.12	65.64	0.48	3717.33					420
MW-7	3783.06	9/4/20	65.42	65.41	0.01	3717.65					
MW-7	3783.06	9/15/20	65.85	65.78	0.07	3717.27					
MW-7	3783.06	10/29/20	65.89	65.88	0.01	3717.18					
MW-7	3783.06	12/11/20	66.04	65.90	0.14	3717.13					
MW-8	3785.88	2/25/19	66.76	-	0.00	3719.12				15.0	
MW-8	3785.88	5/20/19	66.89	-	0.00	3718.99				14.0	
MW-8	3785.88	5/21/19	-	-	-	-			0.00		
MW-8	3785.88	7/23/19	67.05	-	0.00	3718.83				8.0	
MW-8	3785.88	7/26/19	-	-	-	-			0.0	10.0	
MW-8	3785.88	10/22/19	67.23	-	0.00	3718.65					
MW-8	3785.88	2/10/20	67.41	-	0.00	3718.47	74.05			13.0	
MW-8	3785.88	4/27/20	67.54	-	0.00	3718.34					
MW-8	3785.88	5/11/20	67.59	-	0.00	3718.29					
MW-8	3785.88	6/18/20	67.64	-	0.00	3718.24					
MW-8	3785.88	7/27/20	67.70	-	0.00	3718.18					
MW-8	3785.88	8/27/20	67.77	-	0.00	3718.11					
MW-8	3785.88	9/15/20	67.90	-	0.00	3717.98				0.0	
MW-8	3785.88	10/29/20	67.92	-	0.00	3717.96					
MW-8	3785.88	12/11/20	68.00	-	0.00	3717.88					

Table 1

Summary of Fluid Level Measurements 2019 & 2020
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	Thickness of LNAPL (ft)	Elevation of Potentiometric Surface (famsl)	Measured Well Depth (fbtoc)	Well Screen Interval (fbgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-9	3784.08	2/25/19	65.75	-	0.00	3718.33				14.0	
MW-9	3784.08	5/20/19	65.87	-	0.00	3718.21				13.0	
MW-9	3784.08	5/21/19	-	-	-	-			0.00		
MW-9	3784.08	7/23/19	66.00	-	0.00	3718.08				7.0	
MW-9	3784.08	7/26/19	-	-	-	-			0.0	10.0	
MW-9	3784.08	10/22/19	66.20	-	0.00	3717.88					
MW-9	3784.08	2/10/20	66.90	-	0.00	3717.18	73.20			13.0	
MW-9	3784.08	4/27/20	66.48	-	0.00	3717.60					
MW-9	3784.08	5/11/20	66.55	-	0.00	3717.53				13.0	
MW-9	3784.08	6/18/20	66.60	-	0.00	3717.48					
MW-9	3784.08	7/27/20	66.68	-	0.00	3717.40					
MW-9	3784.08	8/27/20	66.75	-	0.00	3717.33					
MW-9	3784.08	9/15/20	66.78	-	0.00	3717.30				13.0	
MW-9	3784.08	10/29/20	66.90	-	0.00	3717.18					
MW-9	3784.08	12/11/20	66.96	-	0.00	3717.12					
MW-10	3782.15	2/25/19	63.96	-	0.00	3718.19				1.5	
MW-10	3782.15	5/20/19	64.08	-	0.00	3718.07				1.0	
MW-10	3782.15	5/21/19	-	-	-	-			0.00		
MW-10	3782.15	7/23/19	64.23	-	0.00	3717.92				0.5	
MW-10	3782.15	7/26/19	-	-	-	-			0.0	0.0	
MW-10	3782.15	10/22/19	64.45	-	0.00	3717.70					
MW-10	3782.15	2/10/20	64.60	-	0.00	3717.55	66.50			0.5	
MW-10	3782.15	4/27/20	64.75	-	0.00	3717.40					
MW-10	3782.15	5/11/20	64.77	-	0.00	3717.38				1.0	
MW-10	3782.15	6/18/20	64.80	-	0.00	3717.35					
MW-10	3782.15	7/27/20	64.87	-	0.00	3717.28					
MW-10	3782.15	8/27/20	64.95	-	0.00	3717.20					
MW-10	3782.15	9/15/20	65.00	-	0.00	3717.15				1.0	
MW-10	3782.15	10/29/20	65.12	-	0.00	3717.03				Pull sample	
MW-10	3782.15	12/11/20	65.18	-	0.00	3716.97					
MW-11	3783.60	2/25/19	-	-	-	Dry	62.65				
MW-11	3783.60	5/20/19	-	-	-	Dry					
MW-11	3783.60	7/23/19	-	-	-	Dry					
MW-11	3783.60	10/22/19	-	-	-	Dry	65.39				
MW-11	P&A	2/19/20			-	-					
MW-12	3779.79	2/25/19	63.17	-	0.00	3716.62				2.0	
MW-12	3779.79	5/20/19	63.30	-	0.00	3716.49				2.0	

Table 1

Summary of Fluid Level Measurements 2019 & 2020
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	Thickness of LNAPL (ft)	Elevation of Potentiometric Surface (famsl)	Measured Well Depth (fbtoc)	Well Screen Interval (fbgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-12	3779.79	5/21/19	-	-	-	-			0.00		
MW-12	3779.79	7/23/19	63.43	-	0.00	3716.36				1.0	
MW-12	3779.79	7/26/19	-	-	-	-			0.0	0.3	
MW-12	3779.79	10/22/19	63.60	-	0.00	3716.19					
MW-12	3780.75	12/13/19	-	-	-	-					
MW-12	3780.75	2/10/20	63.83	-	0.00	3716.92	67.30			6.5	
MW-12	3780.75	4/27/20	63.95	-	0.00	3716.80					
MW-12	3780.75	5/11/20	63.98	-	0.00	3716.77				1.5	
MW-12	3780.75	6/18/20	64.04	-	0.00	3716.71					
MW-12	3780.75	7/27/20	64.10	-	0.00	3716.65					
MW-12	3780.75	8/27/20	64.17	-	0.00	3716.58					
MW-12	3780.75	9/15/20	64.25	-	0.00	3716.50				1.5	
MW-12	3780.75	10/29/20	64.32	-	0.00	3716.43				1.5	
MW-12	3780.75	12/11/20	64.38	-	0.00	3716.37					
MW-13	3781.14	2/25/19	63.55	-	0.00	3717.59				1.0	
MW-13	3781.14	5/20/19	63.69	-	0.00	3717.45				0.75	
MW-13	3781.14	5/21/19	-	-	-	-			0.0		
MW-13	3781.14	7/23/19	63.80	-	0.00	3717.34				0.5	
MW-13	3781.14	7/26/19	-	-	-	-			0.0	0.0	
MW-13	3781.14	10/22/19	64.03	-	0.00	3717.11					
MW-13	P&A	2/19/20	-	-	-	-					
MW-14	3781.26	2/25/19	63.90	-	0.00	3717.36				0.5	
MW-14	3781.26	5/20/19	64.02	-	0.00	3717.24				0.00	
MW-14	3781.26	5/21/19	-	-	-	-			0.0		
MW-14	3781.26	7/23/19	64.15	-	0.00	3717.11				0.0	
MW-14	3781.26	7/26/19	-	-	-	-			0.0	0.0	
MW-14	3781.26	10/22/19	64.35	-	0.00	3716.91					
MW-14	P&A	2/19/20	-	-	-	-					
MW-15	3782.34	2/25/19	65.60	-	0.00	3716.74				1.0	
MW-15	3782.34	5/20/19	65.74	-	0.00	3716.60				0.75	
MW-15	3782.34	5/21/19	-	-	-	-			0.0		
MW-15	3782.34	7/23/19	66.86	-	0.00	3715.48				0.0	
MW-15	3782.34	7/26/19	-	-	-	-			0.0	0.0	
MW-15	3782.34	10/22/19	66.01	-	0.00	3716.33					
MW-15	3782.34	2/10/20	66.29	-	0.00	3716.05	67.27			0.5	
MW-15	3782.34	4/27/20	66.37	-	0.00	3715.97					
MW-15	3782.34	5/11/20	66.41	-	0.00	3715.93					
MW-15	3782.34	6/18/20	Dry	-	0.00	-	67.17				

Table 1

Summary of Fluid Level Measurements 2019 & 2020
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	Thickness of LNAPL (ft)	Elevation of Potentiometric Surface (famsl)	Measured Well Depth (fbtoc)	Well Screen Interval (fbgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-15	3782.34	7/27/20	66.53	-	0.00	3715.81					
MW-15	3782.34	8/27/20	66.60	-	0.00	3715.74					
MW-15	3782.34	9/15/20	66.63	-	0.00	3715.71				0.0	
MW-15	3782.34	10/29/20	66.75	-	0.00	3715.59					
MW-15	3782.34	12/11/20	66.82	-	0.00	3715.52					
MW-16	3780.16	2/25/19	62.08	-	0.00	3718.08	62.17				
MW-16	3780.16	5/20/19	-	-	-	Dry					
MW-16	3780.16	7/23/19	-	-	-	Dry					
MW-16	3780.16	10/22/19	-	-	Dry	Dry	62.24				
MW-16	P&A	2/19/20	-	-	-	-					
MW-17	3784.40	2/25/19	66.22	-	0.00	3718.18				4.5	
MW-17	3784.40	5/20/19	66.36	-	0.00	3718.04				18.00	
MW-17	3784.40	5/21/19	-	-	-	-			0.0	2.9	
MW-17	3784.40	6/11/19	-	-	-	-			0.1		
MW-17	3784.40	7/23/19	66.48	-	0.00	3717.92				3	
MW-17	3784.40	8/21/19	-	-	-	-			0	2.5	
MW-17	3784.40	7/26/19	-	-	-	-			0.0	3.0	
MW-17	3784.40	9/3/19	-	-	-	-				3.0	
MW-17	3784.40	9/11/19	-	-	-	-				14.0	
MW-17	3784.40	10/22/19	66.68	-	0.00	3717.72					
MW-17	3784.40	2/10/20	66.88	-	0.00	3717.52	75.03			16.0	
MW-17	3784.40	3/18/20	-	-	-	-				3.0	
MW-17	3784.40	4/27/20	67.01	-	0.00	3717.39					
MW-17	3784.40	5/11/20	67.02	-	0.00	3717.38				16.0	
MW-17	3784.40	6/18/20	66.87	-	0.00	3717.53					
MW-17	3784.40	7/27/20	66.94	-	0.00	3717.46					
MW-17	3784.40	8/27/20	67.01	-	0.00	3717.39					
MW-17	3784.40	9/15/20	67.26	-	0.00	3717.14				16.0	
MW-17	3784.40	10/29/20	67.38	-	0.00	3717.02				15.0	
MW-17	3784.40	12/11/20	67.45	-	0.00	3716.95					
MW-18	3786.46	4/15/20	-	-	-	-				15.0	
MW-18	3786.46	4/16/20	68.78	-	0.00	3717.68	88.00	55-85 (2 in.)			
MW-18	3786.46	4/27/20	68.82	-	0.00	3717.64					
MW-18	3786.46	5/11/20	68.87	-	0.00	3717.59				9.5	
MW-18	3786.46	6/18/20	68.91	-	0.00	3717.55					
MW-18	3786.46	7/27/20	68.99	-	0.00	3717.47					
MW-18	3786.46	8/27/20	69.06	-	0.00	3717.40					
MW-18	3786.46	9/15/20	69.10	-	0.00	3717.36				9.5	

Table 1

Summary of Fluid Level Measurements 2019 & 2020
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Well ID	Elevation of Top of Casing (famsl)	Date	Depth to Groundwater (fbtoc)	Depth to LNAPL (fbtoc)	Thickness of LNAPL (ft)	Elevation of Potentiometric Surface (famsl)	Measured Well Depth (fbtoc)	Well Screen Interval (fbgs) Well Diameter (in)	Volume Product Removed (gal.)	Volume Groundwater Bailed (gal.)	Volume Groundwater Removed by EFR (gal.)
MW-18	3786.46	10/29/20	69.21	-	0.00	3717.25				9.0	
MW-18	3786.46	12/11/20	69.28	-	0.00	3717.18					
MW-19	3783.49	3/10/20	-	-	-	-				15.0	
MW-19	3783.49	3/23/20	66.45	-	0.00	3717.04	85.76	55-85 (2 in.)		10.0	
MW-19	3783.49	4/27/20	66.51	-	0.00	3716.98					
MW-19	3783.49	5/11/20	66.55	-	0.00	3716.94				12.0	
MW-19	3783.49	6/18/20	66.61	-	0.00	3716.88					
MW-19	3783.49	7/27/20	66.66	-	0.00	3716.83					
MW-19	3783.49	8/27/20	66.73	-	0.00	3716.76					
MW-19	3783.49	9/15/20	66.76	-	0.00	3716.73				12.0	
MW-19	3783.49	10/29/20	66.89	-	0.00	3716.60				9.0	
MW-19	3783.49	12/11/20	66.96	-	0.00	3716.53					
MW-20	3781.34	3/3/20	-	-	-	-				15.0	
MW-20	3781.34	3/23/20	64.75	-	0.00	3716.59	88.13	58-88 (2 in.)		11.0	
MW-20	3781.34	4/27/20	64.81	-	0.00	3716.53					
MW-20	3781.34	5/11/20	64.83	-	0.00	3716.51				11.5	
MW-20	3781.34	6/18/20	64.91	-	0.00	3716.43					
MW-20	3781.34	7/27/20	64.96	-	0.00	3716.38					
MW-20	3781.34	8/27/20	65.03	-	0.00	3716.31					
MW-20	3781.34	9/15/20	65.04	-	0.00	3716.30				11.5	
MW-20	3781.34	10/29/20	65.18	-	0.00	3716.16				11.0	
MW-20	3781.34	12/11/20	65.27	-	0.00	3716.07					

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. Specific gravity of 0.81 was used to calculate elevation of the potentiometric surface where measureable LNAPL was present.
6. MWs 1-9 have slotted intervals of 35-65' bgs with 4-in. diameter casings. MWs 10-17 have slotted intervals 35-65 feet bgs with 2-in. casings.

Table 2

Summary of Dissolved Contaminants in Groundwater 2019 & 2020
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Sample ID	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethyl-Benzene (mg/l)	Total Xylenes (mg/l)
		NMWQCC Human Health Standards			
		0.01	0.75	0.75	0.62
MW-1R	2/26/19	**0.208**	**0.00300**	**0.00664**	**0.0249**
MW-1R	5/21/19	**0.297**	<0.00206	**0.00248 J**	**0.00851 B**
MW-1R	7/26/19	**0.153**	<0.00206	**0.00244 B J**	**0.0124 B**
MW-1R	10/23/19	**0.167**	<0.00206	**0.00269**	**0.0124**
MW-1R	2/17/20	**0.0975**	<0.000412	**0.00152**	**0.00655**
MW-1R (DUP-1)	2/17/20	**0.0951**	<0.000412	**0.00210**	**0.00697**
MW-1R	5/22/20	**0.0459**	<0.000412	**0.000352**	**0.00210**
MW-1R	9/16/20	**0.0627**	<0.000412	**0.000539**	**0.00383**
MW-1R	10/30/20	**0.131**	<0.000412	**0.00110**	**0.00897**
MW-1R (DUP-1)	10/30/20	**0.115**	<0.000412	**0.00088**	**0.00718**
MW-2R	2/26/19	**0.000844**	<0.000412	**0.000218 B J**	<0.000510
MW-2R	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-2R	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4	2/26/19	<0.000190	<0.000412	**0.000328 B J**	**0.00359**
MW-4	5/21/19	**0.000286 J**	<0.000412	<0.000160	**0.00272 B**
MW-4	7/26/19	**0.000875**	<0.000412	**0.000161 B J**	<0.000510
MW-4	10/23/19	**0.000455 J**	**0.000423 J**	**0.000220 J**	<0.000510
MW-4	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4 (DUP-2)	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-4	10/30/20	**0.000350 J**	<0.000412	**0.000204 J**	<0.000510
MW-5	2/26/19	**0.00355**	<0.000412	<0.000160	**0.00368**
MW-5	5/21/19	**0.00558**	**0.00117**	**0.00855**	**0.00273 B**
MW-5	7/26/19	**0.00878**	<0.000412	<0.000160	**0.00183 B**
MW-5 (DUP-1)	7/26/19	**0.00900**	<0.000412	<0.000160	**0.00174 B**
MW-5	10/23/19	**0.00445**	<0.000412	<0.000160	<0.000510
MW-5	2/17/20	**0.0157**	<0.000412	<0.000160	<0.000510
MW-5	5/22/20	**0.00327**	<0.000412	<0.000160	<0.000510
MW-5 (DUP-1)	5/22/20	**0.00524**	<0.000412	<0.000160	<0.000510
MW-5	9/16/20	**0.00991**	**0.0237**	<0.000160	**0.00340**
MW-5	10/30/20	**0.00594**	**0.000580 J**	**0.000987**	**0.00186**
MW-6	2/26/19	**0.000490 J**	<0.000412	**0.00370**	**0.00603**
MW-6	5/21/19	**0.000883**	<0.000412	**0.00160**	**0.00362**

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Table 2

Summary of Dissolved Contaminants in Groundwater 2019 & 2020
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Sample ID	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethyl-Benzene (mg/l)	Total Xylenes (mg/l)
		NMWQCC Human Health Standards			
		0.01	0.75	0.75	0.62
MW-6	7/26/19	**0.000931**	<0.000412	<0.000160	<0.000510
MW-6	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-6 (Dup-1)	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-6	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-6	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	2/26/19	<0.000190	<0.000412	**0.000177 B J**	<0.000510
MW-8	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-8	5/22/20	Not Sampled - Annual Well			
MW-8	9/16/20	Not Sampled - Annual Well			
MW-8	10/30/20	Not Sampled - Annual Well			
MW-9	2/26/19	<0.000190	<0.000412	**0.000436 B J**	<0.000510
MW-9	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-9	10/30/20	Not Sampled - Semi Annual Well			
MW-10	2/26/19	<0.000190	<0.000412	**0.000763 B**	**0.000675 J**
MW-10	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-10	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-11	2/26/19	Dry			
MW-11	5/21/19	Dry			
MW-11	7/26/19	Dry			
MW-11	10/23/19	Dry			
MW-11	2/19/20	P&A			
MW-12	2/26/19	<0.000190	<0.000412	**0.000269 B J**	<0.000510
MW-12 (DUP-1)	2/26/19	<0.000190	<0.000412	**0.000162 B J**	<0.000510
MW-12	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510

Table 2

Summary of Dissolved Contaminants in Groundwater 2019 & 2020
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Sample ID	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethyl-Benzene (mg/l)	Total Xylenes (mg/l)
		NMWQCC Human Health Standards			
		0.01	0.75	0.75	0.62
MW-12 (DUP-1)	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-12	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	2/26/19	<0.000190	<0.000412	**0.000168 B J**	<0.000510
MW-13	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-13	2/19/20	P&A			
MW-14	2/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-14	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-14	7/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-14	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-14	2/19/20	P&A			
MW-15	2/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-15 (DUP-2)	2/26/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-15	5/21/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-15	7/26/19	Insufficient Water to Sample			
MW-15	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
MW-15	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-15	5/22/20	Not Sampled - Annual Well			
MW-15	9/16/20	Not Sampled - Annual Well			
MW-15	10/30/20	Not Sampled - Annual Well			
MW-16	2/26/19	Dry			
MW-16	5/21/19	Dry			
MW-16	7/24/19	Dry			
MW-16	10/23/19	Dry			
MW-16	2/19/20	P&A			

Table 2

Summary of Dissolved Contaminants in Groundwater 2019 & 2020
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

Sample ID	Sample Date	Benzene (mg/l)	Toluene (mg/l)	Ethyl-Benzene (mg/l)	Total Xylenes (mg/l)
		NMWQCC Human Health Standards			
		0.01	0.75	0.75	0.62
MW-17	2/26/19	**3.31**	**0.0105**	**0.230**	**0.234**
MW-17	5/21/19	**1.27**	**0.0219**	**0.168**	**0.258**
MW-17(DUP-2)	5/21/19	**1.26**	**0.0229**	**0.164**	**0.253**
MW-17	7/26/19	**2.88**	<0.00824	**0.252**	**0.208**
MW-17 (DUP-2)	7/26/19	**2.81**	<0.00412	**0.264**	**0.189**
MW-17	10/23/19	**1.54**	<0.00824	**0.171**	**0.293**
MW-17 (Dup-2)	10/23/19	**1.26**	<0.0412	**0.201**	**0.201**
MW-17	2/17/20	**0.657**	<0.00206	**0.134**	**0.161**
MW-17	5/22/20	**1.530**	<0.00412	**0.0605**	**0.0635**
MW-17	9/16/20	**0.743**	**0.0547**	**0.0357**	**0.0735**
MW-17 (DUP-1)	9/16/20	**1.22**	**0.0639**	**0.0691**	**0.132**
MW-17	10/30/20	**0.790**	<0.0103	**0.0446**	**0.0580**
MW-18	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-18	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	3/25/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-19	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	3/25/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	5/22/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	9/16/20	<0.000190	<0.000412	<0.000160	<0.000510
MW-20	10/30/20	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	2/26/19	<0.000190	<0.000412	**0.000385 B J**	<0.000510
Trip Blank	10/23/19	<0.000190	<0.000412	<0.000160	<0.000510
Trip Blank	2/17/20	<0.000190	<0.000412	<0.000160	<0.000510

Notes:

1. Shaded cells indicate New Mexico Water Quality Control Commission Regulatory Limit exceedances.
2. Bold indicates detection.
3. BTEX analyzed by EPA Method 8021B.
4. Results shown in mg/L.
5. Yellow-shaded cells indicate concentrations that exceed the NMWQCC Human Health Standard.
6. J--The identification of the analyte is acceptable. The reported value is an estimate.
7. B--The same analyte is found in the associated blank. If the detection in the well is less than 5 times the detection in the blank, then the detection in the well should be considered as a non-detect.

Table 3

Summary of Dissolved PAH Compounds in Groundwater
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

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)	Phenanthrene (mg/L)	Pyrene (mg/L)	Naphthalene (mg/L)	1-Methylnaphthalene (mg/L)	2-Methylnaphthalene (mg/L)
		EPA and 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	0.001	0.001	0.03		
MW-1	12/11/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.024	<0.000922	0.0589	<0.000922	0.0849	<0.000922	0.135	0.397	0.529
MW-1	12/3/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.00956	<0.000917	0.0262	<0.000917	0.0356	<0.000917	0.0776	0.204	0.286
P&A																				
MW-1R	11/19/14	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.000261	<0.000186	<0.000186	0.000541	0.000193	0.000859	0.00107	0.000273
MW-1R	12/4/15	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	0.00514	0.00373	0.00184
MW-1R	11/3/16	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000513	<0.000184	<0.000184	<0.000184	0.00135	0.000314	0.00297	0.00205	0.00088
MW-1R	11/30/17	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	0.000199	<0.000192	0.000213	<0.000192	0.000383	<0.000192	0.00265	0.000905	0.000422
MW-1R	11/30/18	0.0000522	0.0000596	<0.0000120	<0.00000410	0.0000164 B J	0.0000023 J	<0.00000227	<0.0000136	<0.0000108	0.0000181 B J	0.000520	<0.0000157	0.000426	<0.0000148	0.000459	<0.0000117	0.0123	0.00564	0.00530
MW-1R	10/23/19	0.0000404 J	0.0000581	0.0000120	0.00000410	0.0000116	0.00000212	0.00000227	0.0000136	0.0000108	0.00000396	0.000413	<0.0000157	0.000335	<0.0000148	0.000193	0.0000121 J	0.00264	0.00163	0.000991
MW-2	12/11/08	<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-2	12/3/09	<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
P&A																				
MW-2R	11/19/14	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.000506	<0.000190	<0.000190	<0.000190	<0.000190
MW-2R	12/4/15	<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-2R	11/3/16	<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	0.000287	<0.000184	<0.000184	<0.000184
MW-4	12/11/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.00141	<0.000185	0.00202	<0.000185	0.001	<0.000185	0.00565	0.00523	0.00331
MW-4	12/3/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000877	<0.000184	<0.000184	0.00140	<0.000184	0.000405	<0.000184	0.00532	0.00272	0.00179
MW-4	12/1/11	<0.000184	<0.000184	<0.000184	<0.000184	0.000331	<0.000184	0.00158	<0.000184	<0.000184	0.000872	0.000569	<0.000184	0.000610	0.00118	<0.000184	<0.000184	0.00122	0.00250	0.000750
MW-4	12/5/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.00106	<0.000190
MW-4	12/4/15	<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-4	11/3/16	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.000351	<0.000186	<0.000186	<0.000186
MW-5	12/11/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.041	<0.000917	0.0758	<0.000917	0.115	<0.000917	0.376	0.949	1.26
MW-5	12/3/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00208	<0.000184	0.00325	<0.000184	0.00328	<0.000184	0.0305	0.0414	0.0374
MW-5	11/29/10	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.0029	<0.000186	0.00476	<0.000186	0.00625	<0.000186	0.0484	0.0498	0.0617
MW-5	11/19/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	0.00134	<0.000200	0.00208	<0.000200	0.0073	0.0124	0.0140
MW-5	11/3/16	<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	0.00537	<0.000184	0.00417	0.0185	0.0135
MW-5	11/30/17	<0.000195	<0.000195	<0.000195	0.000380	<0.000195	<0.000195	<0.000195	<0.000195	0.000305	<0.000195	<0.000195	<0.000195	0.000200	<0.000195	<0.000195	<0.000195	<0.000391	---	---
MW-5	11/30/18	0.000737	<0.0000200	<0.0000240	<0.00000820	<0.0000232	0.0000535 J	0.0000306 J	<0.0000272	0.0000858 J	<0.00000792	0.000420	0.000122	0.000807	<0.0000296	0.00114	0.000382	0.000378 B J	0.00279	0.00272
MW-5	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	0.0000441 J	0.0000883	<0.0000158	<0.0000180	0.0000249 J	<0.0000917	0.000230 J	0.000149 J
MW-6	12/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00128	<0.000184	0.00226	<0.000184	0.0006	<0.000184	0.00187	0.00275	0.00193
MW-6	12/3/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.00305	<0.000183	0.00686	<0.000183	0.00871	<0.000183	0.0102	0.0428	0.0553
MW-6	11/29/10	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.000781	<0.000186	0.0011	<0.000186	<0.000186	<0.000186	0.00213	0.000871	0.000671
MW-6	12/1/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.00104	<0.000183	0.00146	<0.000183	0.000675	0.00362	<0.000183
MW-6	12/5/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190
MW-6	11/19/14	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	0.000328	0.000718	<0.000195	0.00113	<0.000195	0.000462	0.00237	0.000459
MW-6	12/4/15	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	<0.000197	0.000291	<0.000197	0.000506	<0.000197	<0.000197	<0.000197	<0.000197	0.00083	<0.000197
MW-6	11/3/16	<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	0.00183	0.00311	0.000367
MW-6	11/30/17	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000211	<0.000185	0.000222	<0.000185	0.000299	<0.000185	0.000472	<0.000185	<0.000369	0.00065	<0.000185
MW-6	11/30/18	0.0000927	0.0000392 J	<0.0000120	<0.00000410	0.0000167 B J	0.00000549 J	0.00000437 J	<0.0000136	<0.0000108	0.0000179 B J	0.0000485 B J	<0.0000157	0.0000211 J	<0.0000148	0.0000413 J	0.0000359 J	0.000260 B	0.0000145 J	<0.00000902
MW-7	12/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.0153	<0.000183	0.0218	<0.000183	0.0367	<0.000183	0.147	0.265	0.339
MW-7	12/3/09	<0.000917	<0.000917	0.0270	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.0663	<0.000917	0.105	<0.000917	0.149	<0.000917	0.416	1.04	1.43

Table 3

Summary of Dissolved PAH Compounds in Groundwater
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

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)	Phenanthrene (mg/L)	Pyrene (mg/L)	Naphthalene (mg/L)	1-Methylnaphthalene (mg/L)	2-Methylnaphthalene (mg/L)
		EPA and 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	0.001	0.001	0.03		
LNAPL																				
MW-8	12/11/08	<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	12/3/09	<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-9	12/11/08	<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	12/3/09	<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-10	12/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	**0.000623**	<0.000184	**0.000652**	<0.000184	<0.000184	<0.000184	**0.000526**	**0.00118**	**0.000314**
MW-10	12/3/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.000772**	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.000525**	**0.00118**	<0.000183
MW-10	12/1/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00101**	<0.000183	**0.000873**	<0.000183	<0.000183	<0.000183	**0.000358**	**0.00355**	<0.000183
MW-10	12/5/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190
MW-10	12/4/15	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195	<0.000195
MW-11	12/11/08	<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-11	12/3/09	<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
2/19/2020	P&A																			
MW-12	12/11/08	<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-12	12/3/09	<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-12	12/5/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190
MW-12	12/4/15	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196	<0.000196
MW-12	11/30/18	<0.0000140	<0.0000100	<0.0000120	<0.00000410	**0.0000157 B J**	<0.00000212	<0.00000227	<0.0000136	<0.0000108	**0.0000176 B J**	**0.00000236 B J**	<0.0000157	<0.00000850	<0.0000148	<0.00000820	<0.0000117	**0.000140 B J**	<0.00000821	<0.00000902
MW-13	12/11/08	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187
MW-13	12/3/09	<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
2/19/2020	P&A																			
MW-14	12/11/08	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186
MW-14	12/3/09	<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
2/19/2020	P&A																			
MW-15	12/11/08	<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-15	12/3/09	<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-16	12/11/08	<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-16	12/3/09	<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
2/19/2020	P&A																			
MW-17	12/11/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0437**	<0.000922	**0.0694**	<0.000922	**0.113**	<0.000922	**0.398**	**0.888**	**1.24**
MW-17	12/3/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0444**	<0.000922	**0.0709**	<0.000922	**0.102**	<0.000922	**0.270**	**0.704**	**0.946**
MW-17	11/30/18	**0.000238**	**0.000138**	<0.0000120	<0.00000410	<0.0000116	**0.0000148 J**	**0.00000925 J**	<0.0000136	**0.0000284 J**	<0.00000396	**0.00126**	<0.0000157	**0.00103**	<0.0000148	**0.00147**	**0.000112**	**0.0450**	**0.0344**	**0.0401**
MW-17	10/23/19	**0.000380**	**0.000463**	<0.0000120	<0.00000410	**0.0000125 J**	**0.0000211 J**	**0.0000143 J**	<0.0000136	**0.0000639**	<0.00000396	**0.00186**	**0.0000518**	**0.00168**	<0.0000148	**0.00223**	**0.000174**	**0.0682**	**0.0501**	**0.0576**
MW-17	10/30/20	<0.0000190	**0.000631**	<0.0000171	**0.00019300**	<0.0000184	<0.0000168	<0.0000184	<0.0000202	**0.0001320**	<0.0000160	**0.00156**	**0.000100 J**	**0.00173**	<0.0000158	**0.00334**	<0.0000169	**0.0366**	**0.0300**	**0.0341**
MW-18	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	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
MW-19	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	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674

Table 3

Summary of Dissolved PAH Compounds in Groundwater
Plains Pipeline LP
Denton Station SRS #2003-00338
Lea County, New Mexico
NMOCD 1RP-0234

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)	Phenanthrene (mg/L)	Pyrene (mg/L)	Naphthalene (mg/L)	1-Methylnaphthalene (mg/L)	2-Methylnaphthalene (mg/L)
		EPA and 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	0.001	0.001	0.03		
MW-20	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	<0.0000180	<0.0000169	<0.0000917	<0.0000687	<0.0000674
WW-1	12/11/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.027**	<0.000922	**0.0757**	<0.000922	**0.122**	<0.000922	**0.382**	**0.934**	**1.38**
WW-1	12/3/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	**0.00423**	<0.000183	**0.00792**	<0.000183	**0.0110**	<0.000183	**0.0355**	**0.0772**	**0.105**

Notes:

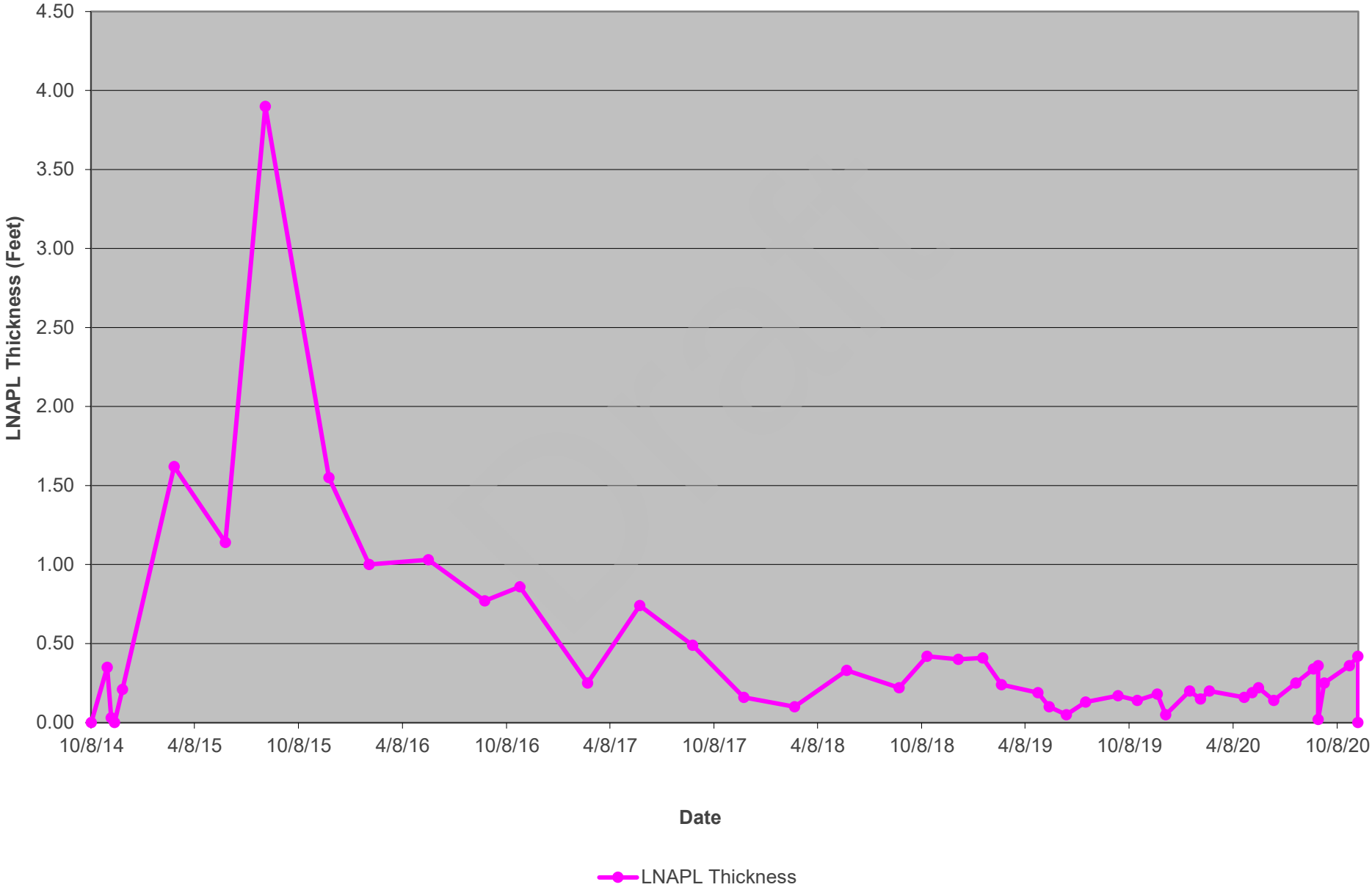
1. Shaded cells indicate New Mexico Oil Conservation Division Regulatory Limit exceedance.
2. Bold indicates detection.
3. PAH analyses by method EPA 8270 or EPA 8270C-SIM.
4. Results shown in mg/L.
5. 2008 through 2010 results collected by NOVA.
6. 2011 through Present results collected by GHD.
7. NMWQCC Human Health Standard for combined naphthalene + 1-methylnaphthalene + 2-methylnaphthalene is 0.03 mg/L per NMAC 20.6.2.3103 A.(1)(jj).
8. Standards noted above for benzo(a)anthracene, benzo(a)pyrene and benzo(k)fluoranthene are from Table 1 in https://www.atsdr.cdc.gov/csem/csem.asp?csem=13&po=8.

P&A Well
LNAPL
Dry Well

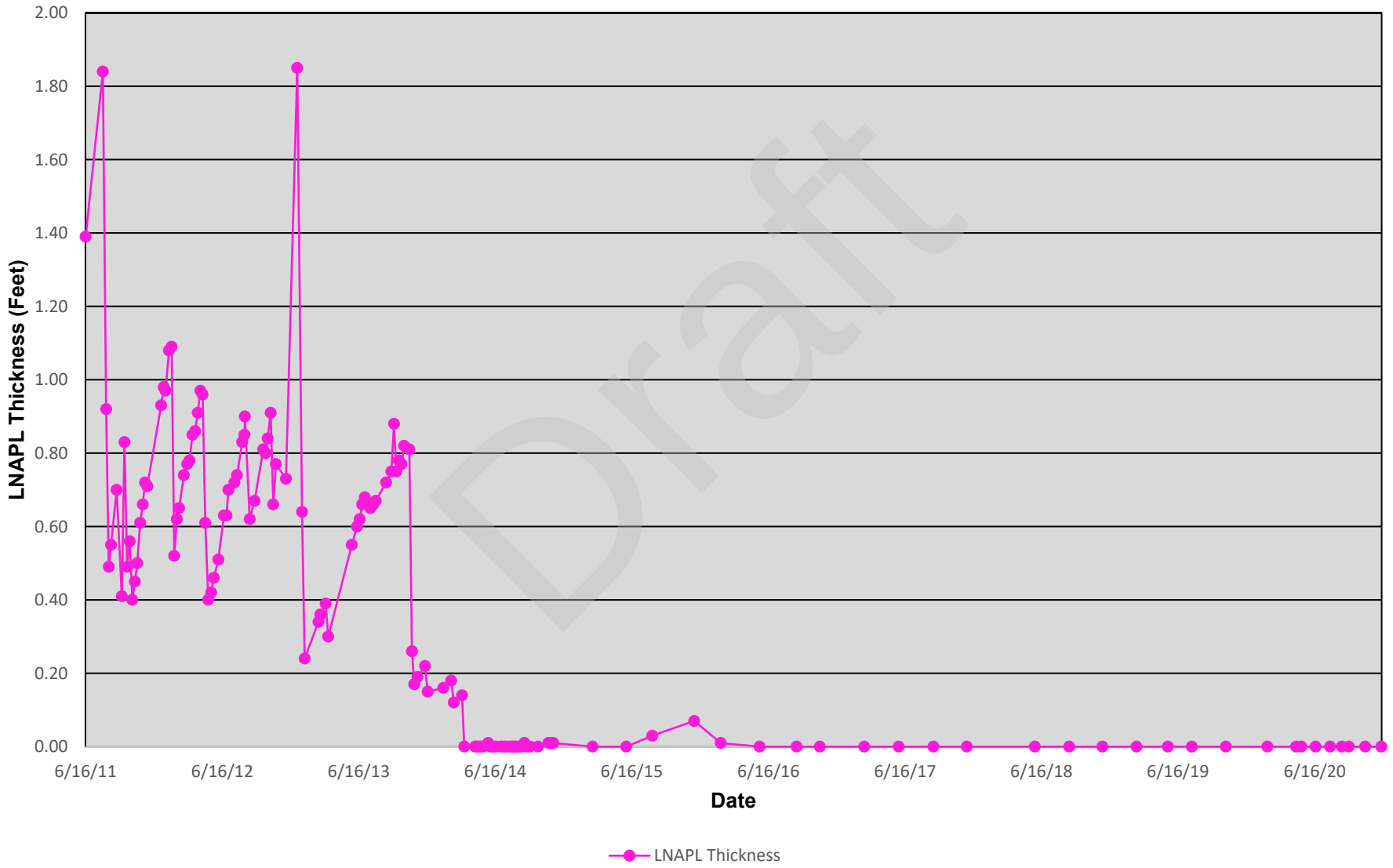
Appendices

Appendix A
Charts of Thicknesses of LNAPL in Monitor Wells vs. Time

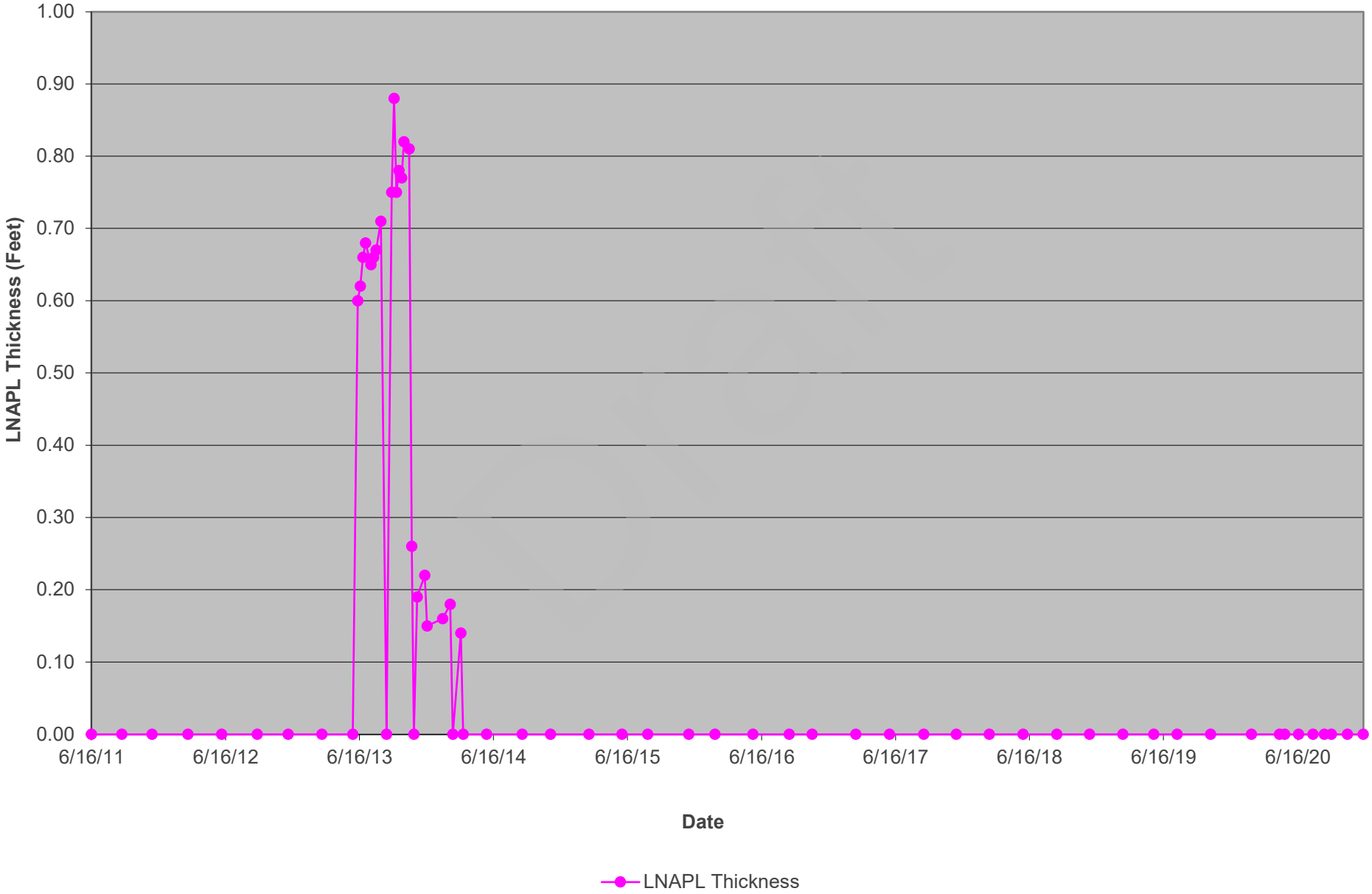
DENTON STATION, SRS 2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234
LNAPL THICKNESS vs. TIME
MW-3R



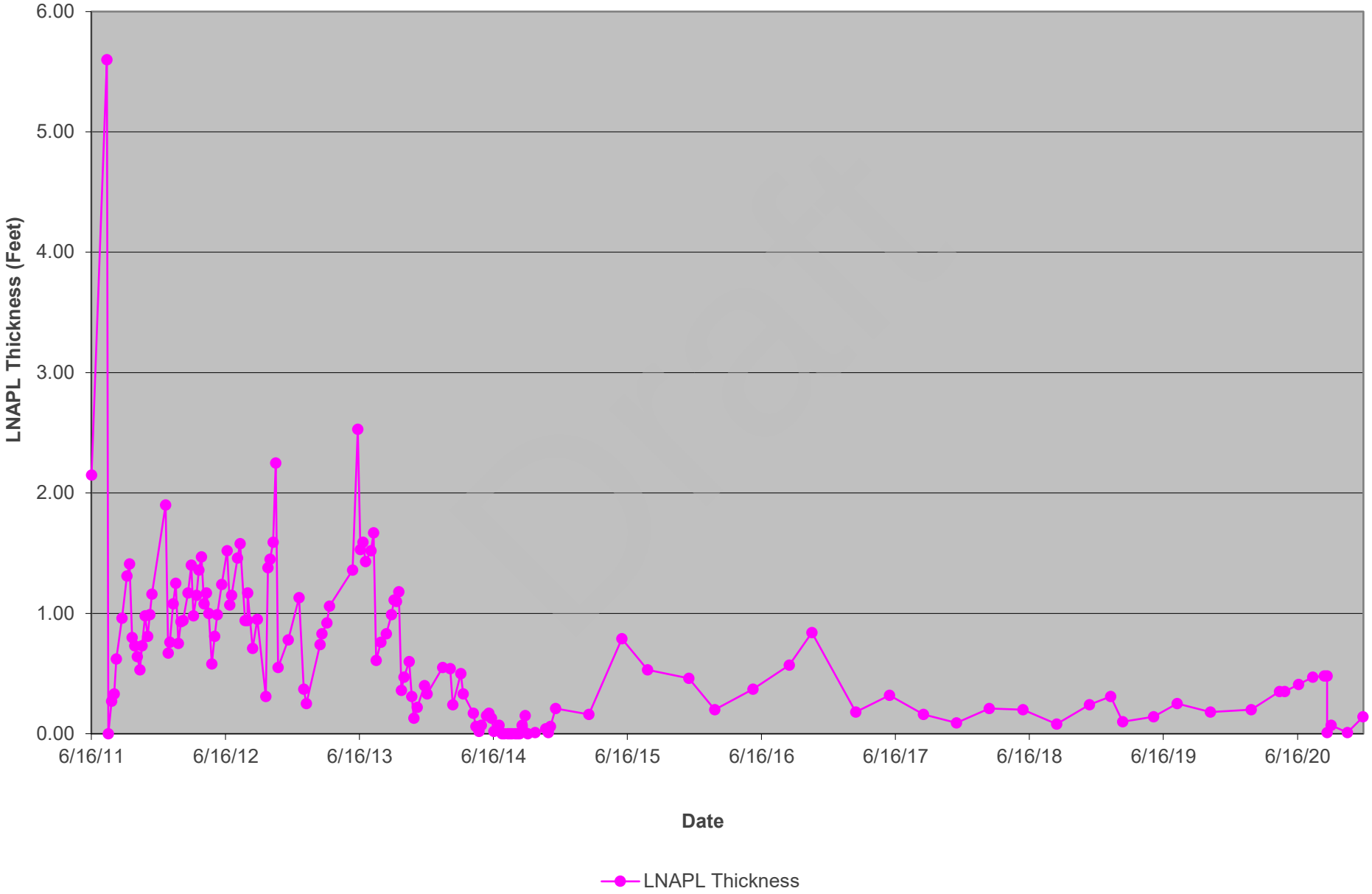
DENTON STATION, SRS 2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234
LNAPL THICKNESS vs. TIME
MW-5



DENTON STATION, SRS 2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234
LNAPL THICKNESS vs. TIME
MW-6

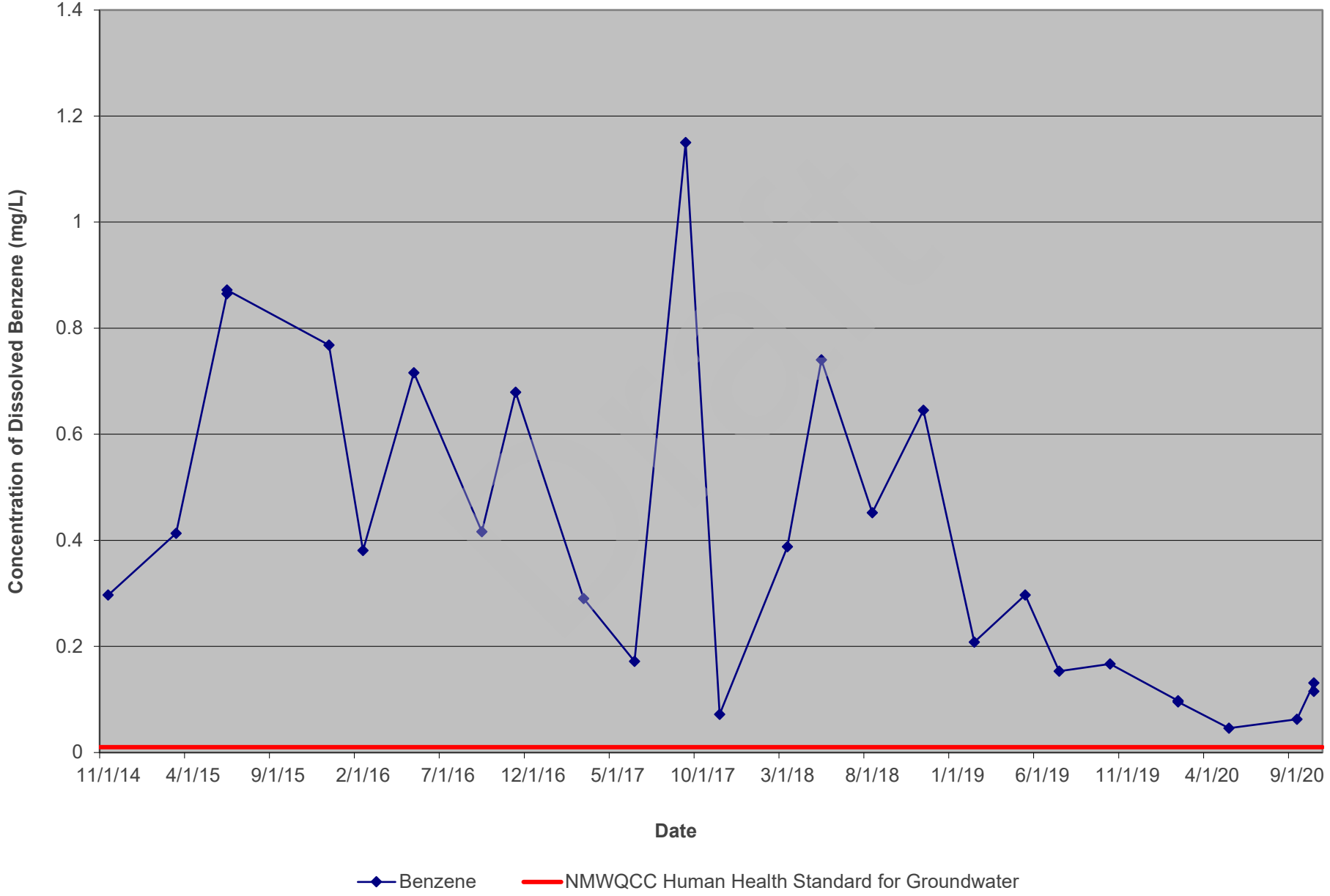


DENTON STATION, SRS 2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234
LNAPL THICKNESS vs. TIME
MW-7

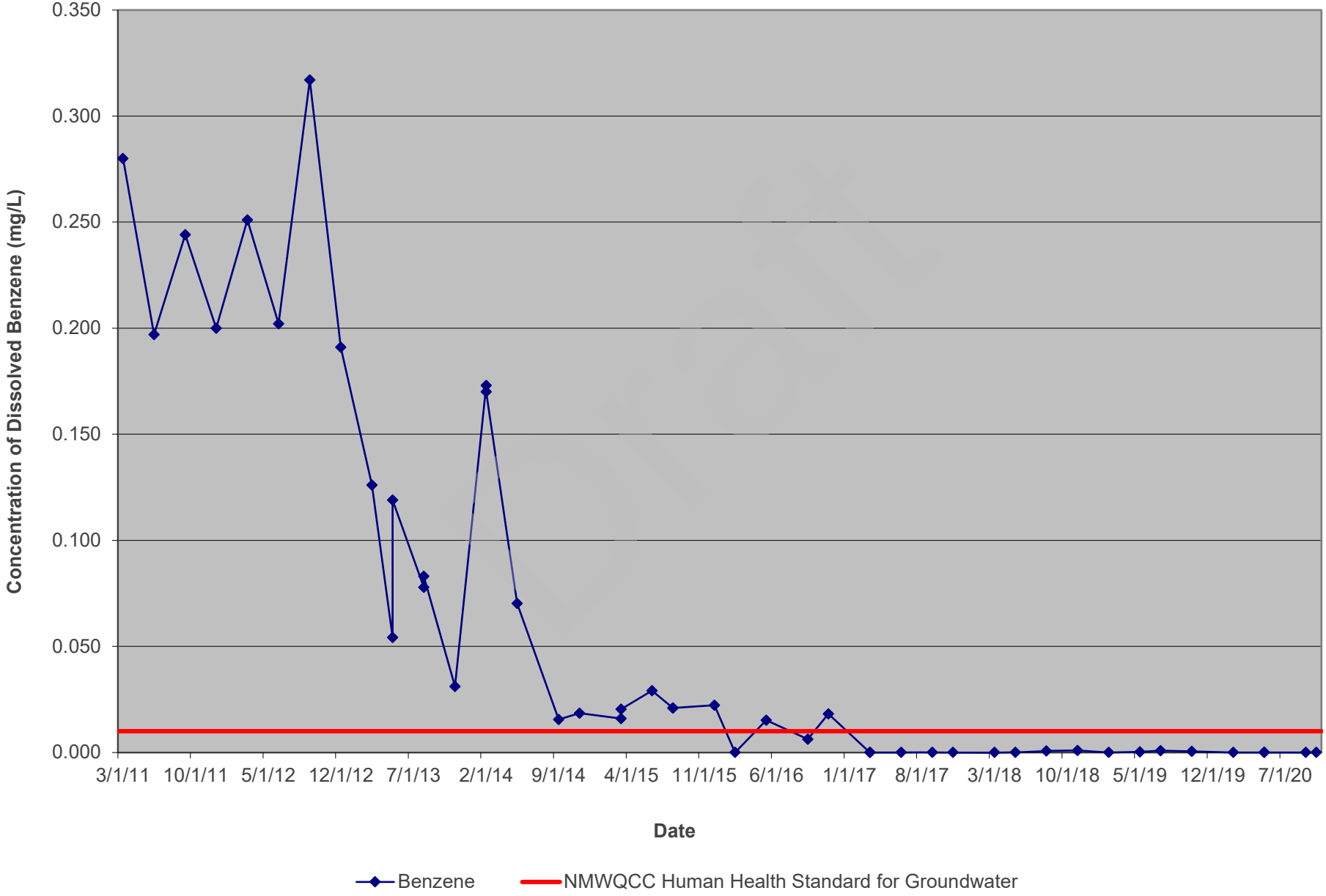


Appendix B
Charts of Concentrations of Dissolved Benzene in Monitor Wells vs. Time

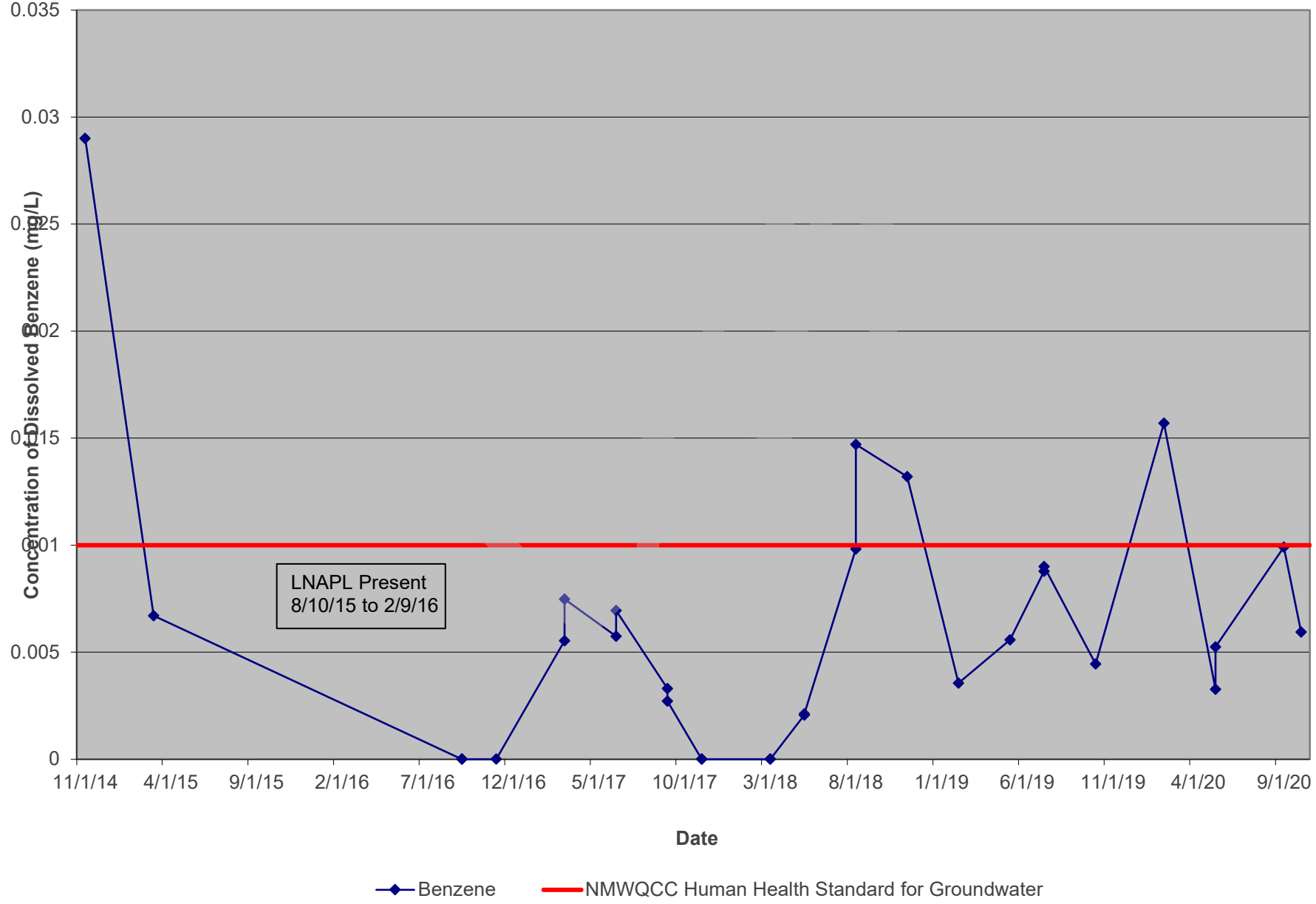
DENTON STATION, SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234
CONCENTRATION OF DISSOLVED BENZENE vs. TIME
MW-1R



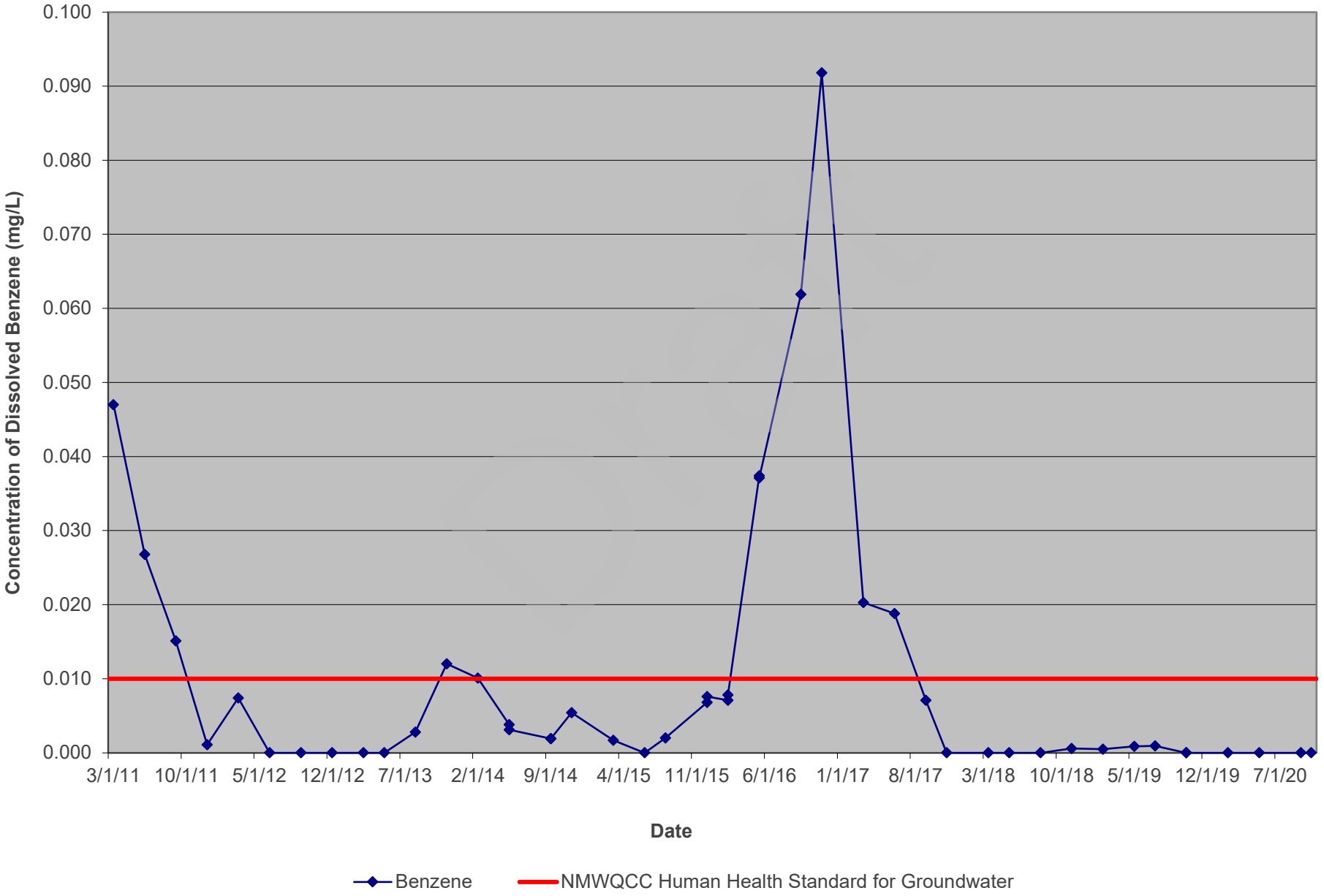
DENTON STATION, SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234
CONCENTRATION OF DISSOLVED BENZENE vs. TIME
MW-4



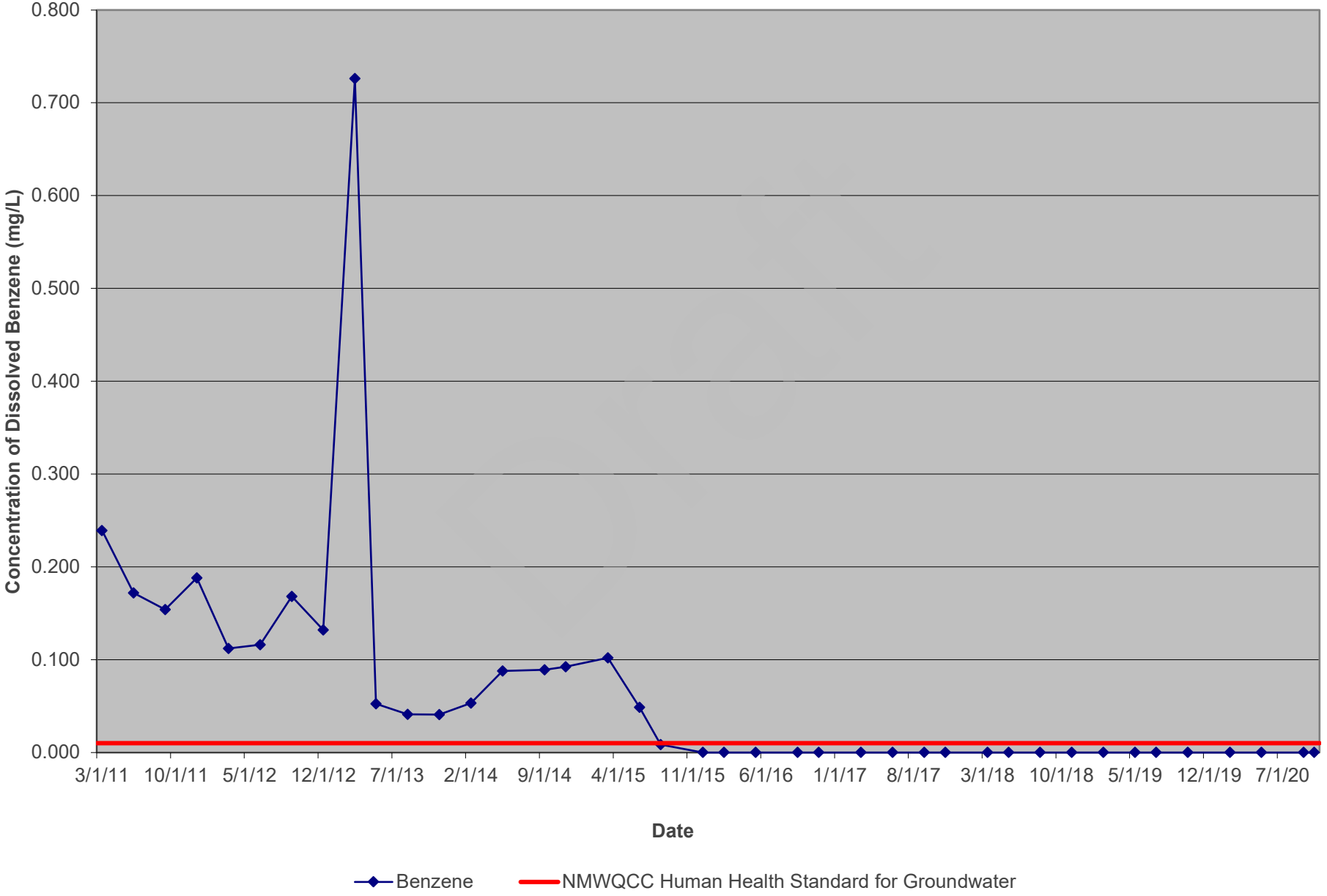
DENTON STATION, SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234
CONCENTRATION OF DISSOLVED BENZENE vs. TIME
MW-5



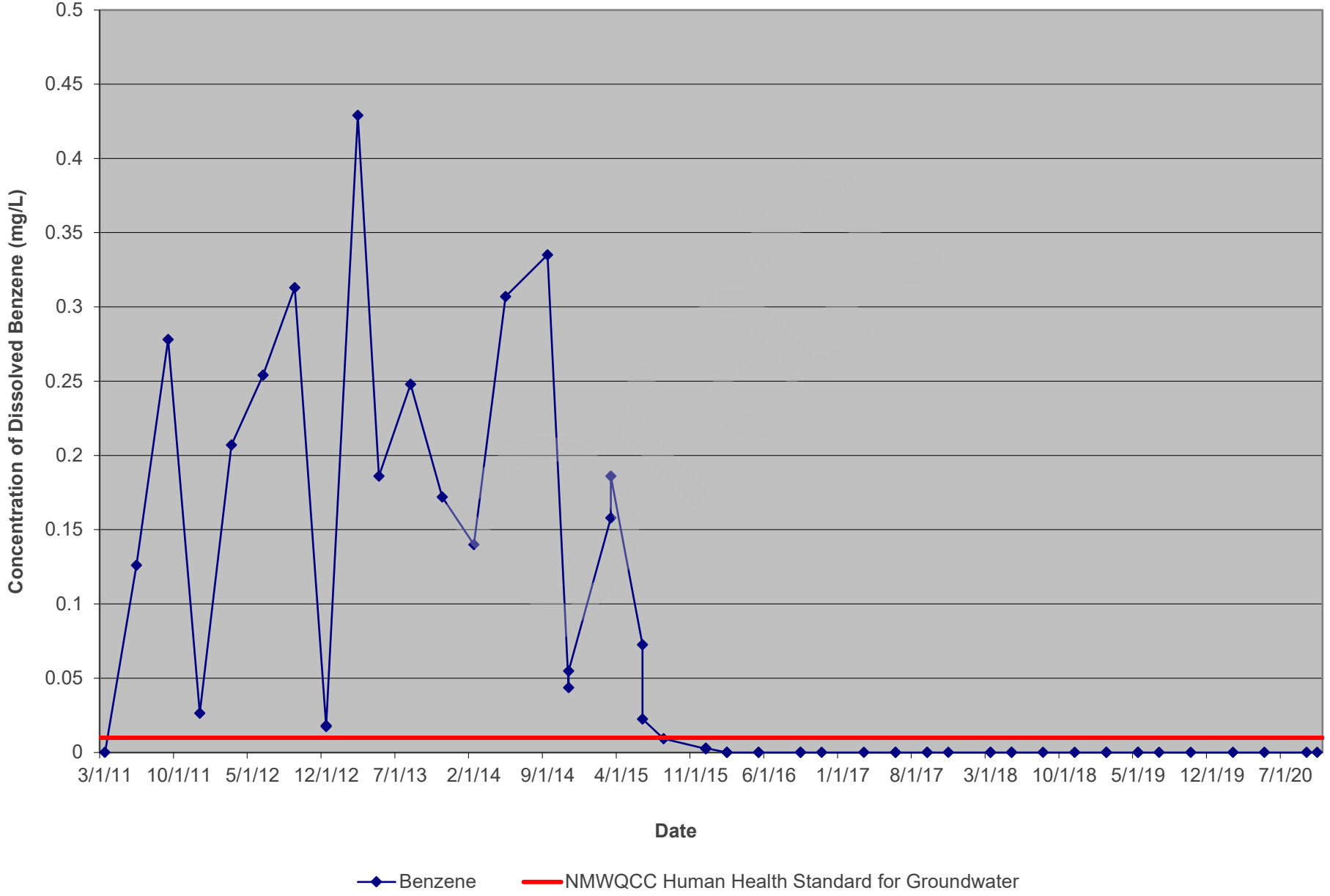
DENTON STATION, SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234
CONCENTRATION OF DISSOLVED BENZENE vs. TIME
MW-6



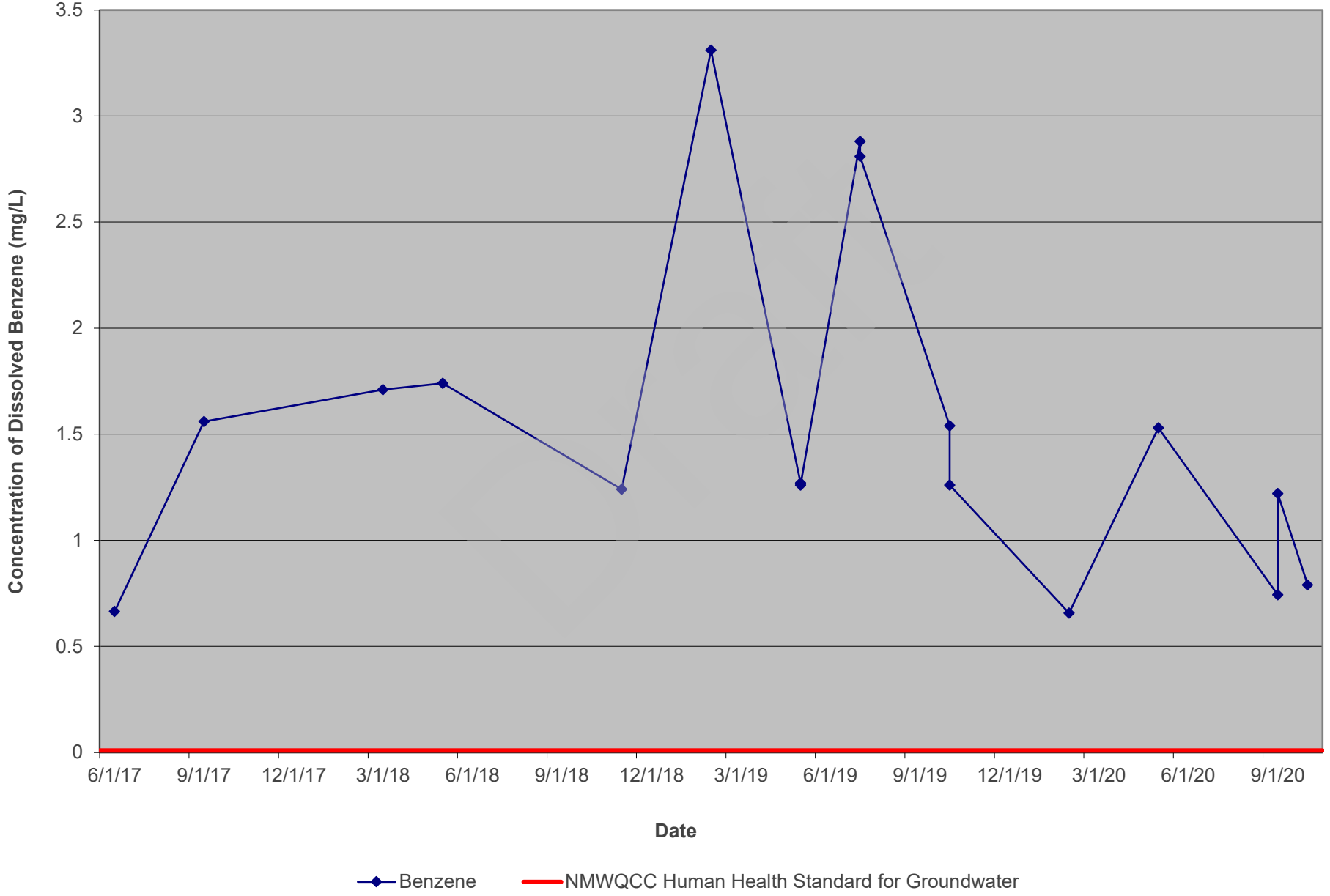
DENTON STATION, SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234
CONCENTRATION OF DISSOLVED BENZENE vs. TIME
MW-10



DENTON STATION, SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234
CONCENTRATION OF DISSOLVED BENZENE vs. TIME
MW-12



DENTON STATION, SRS #2003-00338
LEA COUNTY, NEW MEXICO
NMOCD 1RP-0234
CONCENTRATION OF DISSOLVED BENZENE vs. TIME
MW-17



Appendix C
Certified Laboratory Reports
(not included in draft or printed reports)

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 22513

CONDITIONS

Operator:	OGRID:
PLAINS MARKETING L.P. 333 Clay St, Ste 1600 Houston, TX 77002	34053
	Action Number: 22513
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Review of 2020 Annual Groundwater Monitoring Report: Content satisfactory Contractor recommendations approved by OCD and are as follows; 1. Continue quarterly groundwater sampling events in 2021 2. Continue annual sampling for PAHs according to the directives of the OCD 3. Continue LNAPL abatement of MW-3R and MW-7 with quarterly EFR events to enhance LNAPL recovery 4. OCD approves quarterly groundwater sampling schedule for MW-18, MW-19, and 5. MW-20 6. Submit the Annual Monitoring Report to the OCD no later than March 31, 2022.	1/11/2022