



**2024 ANNUAL GROUNDWATER
MONITORING REPORT**

Plains Marketing, L.P.

TNM 97-04

SRS No: TNM 97-04

Lea County, New Mexico

SE ¼ SE ¼ of Section 11, Township 16 South, Range 35 East

NMOCD Discharge Permit GW-294

NMOCD Incident No: nAPP2109542446

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TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	SITE DESCRIPTION AND BACKGROUND INFORMATION	1
3.0	FIELD ACTIVITIES	2
3.1	Remediation Efforts	2
3.2	Product Recovery Efforts	3
4.0	GROUNDWATER ASSESSMENT ACTIVITIES FOR 2024.....	3
4.1	Gauging and Groundwater Abatement.....	3
4.2	Quarterly Groundwater Sampling	3
4.3	Groundwater Analytical Results	5
4.4	Effluent Water Sampling Activities	12
5.0	MONITORED NATURAL ATTENUATION RESULTS SUMMARY	12
6.0	SUMMARY	20
7.0	ANTICIPATED ACTIONS.....	21
8.0	LIMITATIONS.....	22
9.0	DISTRIBUTION	23

FIGURES

Figure 1 – Site Location Map

Figure 2 – Site Map

Figure 2A – Inferred Groundwater Gradient Map – March 5-6, 2024

Figure 2B – Inferred Groundwater Gradient Map – May 22-23, 2024

Figure 2C – Inferred Groundwater Gradient Map – September 18, 2024

Figure 2D – Inferred Groundwater Gradient Map – December 11, 2024

Figure 3A – Groundwater Concentration and Inferred PSH Extent Map – March 6, 2024

Figure 3B – Groundwater Concentration and Inferred PSH Extent Map – May 23, 2024

Figure 3C – Groundwater Concentration and Inferred PSH Extent Map – September 19, 2024

Figure 3D – Groundwater Concentrations and Inferred PSH Extent Map– December 12-13, 2024

TABLES

Table 1 – 2024 Groundwater Elevation Data

Table 2 – 2024 Concentrations of BTEX in Groundwater

Table 3 – 2024 Polynuclear Aromatic Hydrocarbon Concentrations in Groundwater
Table 4 – Historical Groundwater Elevation Data
Table 5 – Historical Concentrations of BTEX in Groundwater
Table 6– Historical Polynuclear Aromatic Hydrocarbon Concentration in Groundwater
Table 7 – GSI Mann-Kendall Benzene Trend Analysis
Table 8 – GSI Mann-Kendall Toluene Trend Analysis
Table 9 – GSI Mann-Kendall Ethylbenzene Trend Analysis
Table 10 – GSI Mann-Kendall Xylene Trend Analysis
Table 11 – GSI Mann-Kendall Total Organic Carbon (TOC) Trend Analysis
Table 12 – GSI Mann-Kendall Dissolved Methane Trend Analysis
Table 13 – GSI Mann-Kendall Dissolved Ethane Trend Analysis
Table 14 – GSI Mann-Kendall Dissolved Ethene Trend Analysis
Table 15 – GSI Mann-Kendall Total Dissolved Iron Trend Analysis
Table 16 – GSI Mann-Kendall Total Dissolved Manganese Trend Analysis
Table 17 – GSI Mann-Kendall Nitrate Trend Analysis
Table 18 – GSI Mann-Kendall Sulfate Trend Analysis
Table 19 – GSI Mann-Kendall Chemical Oxygen Demand (COD) Trend Analysis

APPENDICES

Appendix A – 2024 Laboratory Analytical Reports
Appendix B – Release Notification and Corrective Action (Form C-141)

1.0 INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), TRC Environmental Corporation (TRC) is pleased to submit this 2024 Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. This report is intended to be viewed as a complete document with text, figures, tables, and appendices. The report presents the results of the quarterly groundwater monitoring events and other remedial activities conducted during the period from January through December 2024 (reporting period). For reference, a Site Location Map is provided as Figure 1. A map depicting site details and well locations is provided for reference as Figure 2.

2.0 SITE DESCRIPTION AND BACKGROUND INFORMATION

The TNM 97-04 Release (Site) is located in the SE 1/4 of the SE 1/4 of Section 11, Township 16 South, Range 35 East in Lea County, New Mexico. Initial site investigation activities were performed for TNMPL by other environmental consultants. No other specifics concerning the release are currently available. The Release Notification and Corrective Action Form (C-141) is provided as Appendix A.

Beginning on May 29, 2004, project management responsibilities were assumed by TRC, previously NOVA Safety and Environmental, Inc. (NOVA). The Site, which was formerly the responsibility of Texas New Mexico Pipeline Company (TNMPL), is now the responsibility of Plains.

In November 2005, monitor wells MW-1 and MW-8 were plugged and abandoned with NMOCD approval. On August 9, 2006, monitor well MW-17 was plugged and abandoned with NMOCD approval.

In October 2009, an *Enhanced Recovery System Workplan* was submitted and subsequently approved by the NMOCD. In March 2009, Plains installed eight (8) air-sparging wells (AS-1 through AS-8) and three (3) recovery wells (RW-2, RW-3, and RW-4) at the Site as part of the Enhanced Recovery System (Recovery System). In April 2010, Plains completed the installation of the trailer mounted air-sparging system with ancillary air lines connected to the eight (8) sparging wells. Four (4) total fluid pumps were initially installed within the four (4), 4-inch diameter recovery wells (RW-1 through RW-4).

The Recovery System commenced operation during the 3rd quarter of 2010. A Recovery System Start-Up Report documenting the activities was submitted to the NMOCD in May 2011.

To date, fifteen (15) monitor wells (MW-2 through MW-7, MW-9 through MW-16, and MW-18), eight (8) air-sparging (AS-1 through AS-8), and four (4) recovery wells (RW-1 through RW-4) have been installed to delineate and abate the hydrocarbon plume. An NMOCD permitted infiltration gallery associated with the Recovery System is located on the northwest corner (upgradient) of the Site.

Groundwater monitoring was conducted for each quarter of 2024 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbons (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor and recovery wells, checking for the presence of PSH on the water column, and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled, except for wells selected as part of the monitored natural attenuation (MNA) sampling activities.

3.0 FIELD ACTIVITIES

3.1 Remediation Efforts

The Site's Recovery System utilizes compressed air to power the eight (8) air-sparging wells along with six (6) total fluid pumps placed in recovery wells RW-1 through RW-4 and monitor wells MW-3 and MW-6. The total fluid pumps operate at a maximum pumping rate of approximately two (2) to three (3) gallons per minute (gpm) per well with a combined pumping rate of approximately twelve (12) to eighteen (18) gpm. Recovered oil and water is collected in a five hundred (500) barrel frac tank, where the recovered oil and water separate. Recovered groundwater is pumped to a large poly aeration tank to allow for the volatilization of the hydrocarbons. Groundwater is then transferred through a three (3) bag particulate filter system prior to being pumped through two (2) 500-pound granulated activated carbon (GAC) filtration canisters. Under normal operating conditions, the treated groundwater is sampled from a post-carbon sample port on a monthly basis and is discharged under Discharge Permit GW-294 to an infiltration gallery located upgradient to the northwest of the release point.

The eight (8) air-sparging wells were each installed to a depth of approximately sixty-five (65) feet below ground surface (bgs) and operate at a pressure of approximately five (5) psi per well. The air-sparging array is designed to aerate the downgradient edge of the dissolved phase hydrocarbon plume while pressing the PSH plume upgradient toward the four (4) recovery wells (RW-1 through RW-4) and two (2) monitor wells (MW-3 and MW-6).

Please note, during maintenance activities, all groundwater recovered from the Site was stored in the on-site frac tank and was periodically transported to an NMOCD approved disposal as directed by Plains.

For the 2024 reporting period, the Recovery System was shut down for maintenance and no water was discharged to the on-site infiltration gallery wells due to exceedances of Total Iron above WQCC drinking water standards. The recovery system has undergone maintenance activities and is proposed to be restarted in 2025 based on subsequent sampling data indicating concentrations are below WQCC drinking water standards for BTEX and Metals. The sparging system remained operational following the Recovery System shut down to maintain downgradient control of the PSH plume.

3.2 Product Recovery Efforts

For the 2024 reporting period PSH thicknesses were measured in five (5) of the fifteen (15) monitor wells (MW-2 through MW-5 and MW-9) and the four (4) recovery wells (RW-1 through RW-4) during all four (4) quarters. In addition, PSH thicknesses were measured in one (1) monitor well (MW-6) during the second, third, and fourth quarter. Historically monitor well (MW-6) has fluctuated with minor thickness of PSH most likely due to migration influenced by the air sparging system. The average thickness of PSH in monitor and recovery wells exhibiting PSH was 3.044 feet. The maximum thickness of PSH in monitor wells and recovery wells was 4.74 feet as recorded in recovery well RW-4 on December 11, 2024. PSH data for the 2024 gauging events can be found in Table 1.

Approximately 126.2 gallons (3.0 barrels) of PSH were recovered from the Site for the 2024 reporting period. A total of approximately 10,770.19 gallons (approximately 256.4 barrels) of PSH have been recovered from the Site to date. Recovered fluids were disposed of at a NMOCD-approved facility as directed by Plains.

4.0 GROUNDWATER ASSESSMENT ACTIVITIES FOR 2024

4.1 Gauging and Groundwater Abatement

Gauging and groundwater dissolved phase hydrocarbon abatement events in conjunction with PSH abatement via hand bailing occurred monthly at the Site during the 2024 reporting period. Approximately 4,027.8 gallons (95.9 barrels) of water was recovered from monitor wells MW-2, MW-5, and MW-9, and recovery well RW-2. Recovered water was stored in the on-site frac tank and was periodically transported to an NMOCD approved disposal as directed by Plains.

4.2 Quarterly Groundwater Sampling

Quarterly monitoring events for the reporting period were performed according to the following reduced sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004, and amended in a correspondence dated June 22, 2005, May 5, 2006, and March 27, 2012.

NMOCD Approved Sampling Schedule							
MW-1	P&A	MW-8	P&A	MW-15	Quarterly*	RW-4	Quarterly
MW-2	Quarterly	MW-9	Quarterly*	MW-16	Annually		
MW-3	Quarterly	MW-10	Annually*	MW-17	P&A		
MW-4	Quarterly	MW-11	Annually	MW-18	Quarterly		
MW-5	Quarterly*	MW-12	Annually	RW-1	Quarterly		
MW-6	Quarterly*	MW-13	Quarterly	RW-2	Quarterly		
MW-7	Annually	MW-14	Quarterly*	RW-3	Quarterly		

* Indicates wells selected for MNA Parameters and are sampled on a quarterly schedule.

The quarterly monitor well gauging and groundwater sampling events for 2024 were conducted on March 6, May 23, September 18, and December 12 to assess the distribution of dissolved phase hydrocarbons. The groundwater potentiometric surface maps for the March, May, September, and December 2024 monitoring events are depicted on Figures 2A, 2B, 2C, and 2D, respectively.

Groundwater potentiometric surface data for the 2024 reporting period is presented in Table 1. In addition, historical groundwater potentiometric surface data are presented in Table 6.

Prior to collecting groundwater samples, each well was gauged from the top of casing (TOC) for depths to fluids and total depth using an interface probe. Wells scheduled for sampling via manual hand bailing and not having measurable PSH were then purged a minimum of three well volumes or until the wells were bailed dry then allowed to recharge, after which groundwater samples were collected from each well using a disposable PVC sampler. The samples were collected in clean glass containers (VOA's) provided by the laboratory, labeled, placed on ice, and chilled to a temperature of approximately 4° C. Groundwater samples were submitted under proper chain-of-custody control to Permian Basin Environmental Lab, LP (PBE Lab) in Midland, Texas and were analyzed for concentrations of benzene, toluene, ethylbenzene and total xylenes (BTEX) by Environmental Protection Agency (EPA) Method SW846-8021B. Purge water was placed into and stored in a portable tank and then transported to a NMOCD licensed disposal facility as directed by Plains. A listing of BTEX constituent concentrations for 2024 is summarized in Table 2 and historical concentrations of BTEX in groundwater are summarized in Table 5. Copies of the laboratory reports generated for 2024 are provided in Appendix A. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

For the 2024 reporting period, monitor wells MW-5, MW-6, MW-9, MW-10, MW-14, and MW-15 were sampled using industry standard low-flow sampling techniques. Low-flow purging and sampling were conducted in accordance with EPA guidelines (EPA/540/S-95/504). Groundwater samples were collected using a peristaltic pump and dedicated tubing. All equipment, including the oil/water interface probe, was decontaminated prior to being used at the Site and after use at each well.

A water quality meter was utilized to monitor the flow of groundwater for pH, temperature (°C), conductivity, Oxygen Reduction Potential (ORP), Dissolved Oxygen (DO), and Turbidity. The above parameters were monitored until three (3) of the six (6) parameters stabilized to within a ten percent (10%) "window", at which time groundwater samples were collected. The flow rate for sampling was maintained at the same rate at which purging was conducted.

Samples were collected from the dedicated tubing into clean glass sample containers (VOA's) and other appropriated containers provided by the analytical laboratory. Following collection, each sample was labeled, placed on ice in an insulated cooler, and chilled to a temperature of approximately 4° Celsius (°C). Groundwater samples were submitted under proper chain-of-custody control to PBE Lab. Samples for monitor wells MW-5, MW-6, MW-9, MW-10, MW-14, and MW-15 were analyzed for concentrations of BTEX by EPA Method SW846-8021B, Total Organic Carbon (TOC) using EPA Method 415.1, Dissolved Methane Gas using RSK-175, Dissolved Ethane Gas using RSK-175, Dissolved Ethene Gas using RSK-175, Dissolved Iron (filtered) using EPA Method 6010B, Dissolved Manganese (filtered) using EPA Method 6010B, Anion Nitrate and Sulfate by EPA Method 300.0, and Chemical Oxygen Demand (COD) by 8000. A listing of BTEX constituent concentrations for 2024 is summarized in Table 2 and historical concentrations of BTEX in groundwater are summarized in Table 5. Copies of the laboratory reports generated for 2024 are provided in Appendix A. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270 was proposed to be conducted on monitor wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-9, RW-1, RW-2, RW-3, and RW-4 during the 2024 reporting period. Based on historical PAH analytical data, only wells historically showing elevated constituents' concentration above NMWQCC Drinking Water Standards are sampled, with the exclusion of those wells having measurable PSH thickness. Due to the presence of PSH, PAH analysis was not performed during the 4th quarter sampling event on monitor wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-9, RW-1, RW-2, RW-3, and RW-4. The 2024 PAH concentrations in groundwater constituent concentrations are summarized in Table 3 and historical polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 6.

4.3 Groundwater Analytical Results

Monitor well MW-2 is scheduled to be sampled quarterly via hand bailing but was not sampled during the reporting period, due to the presence of PSH during all four (4) quarters of the reporting period. In addition, PAH sampling and analysis scheduled for the 4th quarter was not conducted due to the presence of PSH.

Monitor well MW-3 is scheduled to be sampled quarterly via hand bailing but was not sampled during the reporting period, due to the presence of PSH during all four (4) quarters of the reporting period. In addition, PAH sampling and analysis scheduled for the 4th quarter was not conducted due to the presence of PSH.

Monitor well MW-4 is scheduled to be sampled quarterly via hand bailing but was not sampled during the reporting period, due to the presence of PSH during all four (4) quarters of the reporting period. In addition, PAH sampling and analysis scheduled for the 4th quarter was not conducted due to the presence of PSH.

Monitor well MW-5 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 5.71 mg/L during the 2nd quarter to 10.9 mg/L during the 1st quarter of the reporting period. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 2.50 mg/L during the 2nd quarter to 6.49 mg/L during the 3rd quarter of the reporting period. Toluene concentrations were above the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.587 mg/L during the 2nd quarter to 1.39 during the 4th quarter of the reporting period. Ethylbenzene concentrations were above the NMOCD regulatory guidelines during the 1st, 3rd, and 4th quarters of the reporting period. Xylene concentrations ranged from 1.512 mg/L during the 1st quarter to 3.932 mg/L during the 4th quarter of the reporting period. Xylene concentrations were above the NMOCD regulatory guidelines during the four (4) quarters of the reporting period.

PAH sampling and analysis scheduled for the 4th quarter was not conducted due to the presence of PSH.

Monitor well MW-5 was selected as an MNA parameter well and is located in the "Center of Plume" location. PSH thicknesses were removed prior to the collection of groundwater samples

during the reporting period and groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-5.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
03/6/24	MW-5	7.18	20.94	0	135.2	2.31	0.66
05/23/24	MW-5	6.93	23.98	0.87	-113.3	0.78	213.88
09/19/24	MW-5	7.08	24.20	0.77	-127.8	0.21	552.90
12/12/24	MW-5	6.89	18.79	0.74	270.2	1.11	79.30

Analytical benzene data for the previous eight (8) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT), which indicated the Concentration Trend was “Stable” in monitor well MW-5. Analytical toluene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-5. Analytical ethylbenzene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-5. Analytical xylene data for the previous eight (8) quarters was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-5.

Please reference Tables 7 through 10 for benzene, toluene, ethylbenzene, and xylene Constituent Trend Analysis, respectively. Analytical results of MNA constituent samples will be summarized in the Monitored Natural Attenuation Results Summary Section of this Report.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

Monitor well MW-6 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 1.63 mg/L during the 4th quarter to 3.31 mg/L during the 2nd quarter of 2024. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from below the applicable laboratory RL during the 1st and 4th quarters to 0.00980 mg/L during the 2nd quarter of 2024. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.00169 mg/L during the 3rd quarter to 0.0104 mg/L during the 2nd quarter of the reporting period. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Xylene concentrations ranged from below the applicable laboratory RL during the 1st quarter to 0.02494 mg/L during the 2nd quarter of the reporting period. Xylene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period.

PAH sampling and analysis scheduled for the 4th quarter was not conducted due to the presence of PSH.

Monitor well MW-6 was selected as an MNA parameter well and is located in the “Downgradient within Plume” location. PSH thicknesses were removed prior to the collection of groundwater samples during the reporting period and groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-6.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
02/14/23	MW-6	7.16	19.89	1.03	-131.70	2.53	1.02
05/23/24	MW-6	6.99	25.99	1.19	-129.4	0.30	91.24
09/19/24	MW-6	7.02	28.90	1.09	-105.3	0.16	1,068.5
12/12/24	MW-6	6.90	19.41	0.90	-205.1	0.32	661.82

Analytical benzene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Increasing” in monitor well MW-6. Analytical toluene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-6. Analytical ethylbenzene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-6. Analytical xylene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-6.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

Monitor well MW-7 is scheduled to be sampled annually and the analytical results indicated that the benzene, toluene, and xylene constituent concentrations were less than the applicable laboratory Reporting Limit (RL) and the NMOCD regulatory guideline during the 4th quarter sampling event. Ethylbenzene concentrations were 0.00119 mg/L during the 4th quarter of the reporting period. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 3rd quarter of 2001. PAH analysis was not required in monitor well MW-7 based on historical PAH analytical data.

Monitor well MW-9 is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.00746 mg/L during the 1st quarter to 0.0907 mg/L during the 2nd quarter of 2024. Benzene concentrations were above the NMOCD regulatory guidelines during the 2nd, 3rd, and 4th quarters of the reporting period. Toluene concentrations ranged from 0.00561 mg/L during the 1st quarter to 0.0158 mg/L during the 2nd quarter of 2024. Toluene

concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.103 mg/L during the 4th quarter to 0.989 mg/L during the 3rd quarter of the reporting period. Ethylbenzene concentrations were above the NMOCD regulatory guidelines during the 3rd quarter of the reporting period. Xylene concentrations ranged from 0.407 mg/L during the 4th quarter to 0.661 mg/L during the 2nd quarter of the reporting period. Xylene concentrations were above the NMOCD regulatory guidelines during the 1st and 2nd quarters of the reporting period.

PAH sampling and analysis scheduled for the 4th quarter was not conducted due to the presence of PSH.

Monitor well MW-9 was selected as an MNA parameter well and is located in the “Upgradient within Plume” location. PSH thicknesses were removed prior to the collection of groundwater samples during reporting period and groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-9.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
03/6/24	MW-9	7.28	19.88	0.81	260.5	0.68	34.54
05/23/24	MW-9	7.05	22.96	0.79	237.6	0.22	63.89
09/19/24	MW-9	7.11	21.97	0.70	157.8	0.51	188.30
12/12/24	MW-9	7.01	18.51	0.68	357.6	0.45	103.37

Analytical benzene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-9. Analytical toluene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-9. Analytical ethylbenzene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Probably Decreasing” in monitor well MW-9. Analytical xylene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-9.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

Monitor well MW-10 is sampled on an annual schedule however, MW-10 was selected as an MNA parameter well and was sampled the four (4) quarters during the reporting period. Analytical results indicated the BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD

regulatory guidelines since 1st quarter of 2000. PAH analysis was not required in monitor well MW-10 based on historical PAH analytical data.

Monitor well MW-10 was selected as an MNA parameter well and is located in the “Upgradient of Plume” location. Groundwater samples were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-10.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
03/6/24	MW-10	7.68	20.13	0.02	62.6	8.40	-
05/23/24	MW-10	7.36	23.31	0.76	116.3	7.23	1,023.9
9/19/24	MW-10	7.47	23.79	0.72	96.10	7.28	179.62
12/12/24	MW-10	7.27	18.01	0.65	-27.2	9.76	1,524.8

Analytical benzene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-10. Analytical toluene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-10. Analytical ethylbenzene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-10. Analytical xylene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-10.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

Monitor well MW-11 is scheduled to be sampled annually and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1st quarter of 2004. PAH analysis was not required based on historical PAH analytical data.

Monitor well MW-12 is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 1st quarter of 2000. PAH analysis was not required based on historical PAH analytical data.

Monitor well MW-13 is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines

since the 2nd quarter of 2012. PAH analysis was not required based on historical PAH analytical data.

Monitor well MW-14 is sampled on a quarterly schedule and the analytical results indicated the BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 3rd quarter of 2011. PAH analysis was not required based on historical PAH analytical data.

Monitor well MW-14 was selected as an MNA parameter well and is located in the “Cross gradient of Plume” location. Groundwater samples collected during the reporting period were obtained using low-flow sampling techniques. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-14.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
3/6/24	MW-14	7.13	20.59	0.75	7.3	1.63	225.85
05/28/24	MW-14	7.14	21.97	0.73	26.8	0.77	120.27
09/14/24	MW-14	7.18	22.09	0.70	61.4	1.15	69.4
12/12/24	MW-14	7.04	18.99	0.69	-40.2	1.41	39.13

Analytical benzene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-14. Analytical toluene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-14. Analytical ethylbenzene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-14. Analytical xylene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-14.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

Monitor well MW-15 is sampled on a quarterly schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 2nd quarter of 2015. PAH analysis was not required in monitor well MW-15 based on historical PAH analytical data.

Monitor well MW-15 was selected as an MNA parameter well and is located in the “Downgradient of Plume” location. Groundwater samples were obtained using low-flow sampling techniques. The

table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-15.

Sample Date	Sample Location	pH (SU) ±10%	Temp C ±10%	Conductivity (u-mhos/cm) ±10%	ORP (mV) ±10%	DO mg/L ±10%	Turbidity (NTUs) ±10% or < 5 NTUs
3/6/24	MW-15	7.44	19.91	0.65	75.8	6.22	217.93
05/28/24	MW-15	7.46	24.61	0.60	96.1	5.74	83.24
9/19/24	MW-15	7.61	22.20	0.52	78.9	6.69	249.10
12/12/24	MW-15	7.48	17.0	0.47	-33.1	9.88	384.51

Analytical benzene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-15. Analytical toluene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-15. Analytical ethylbenzene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-15. Analytical xylene data for up to the previous eight (8) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-15.

Please note, due to the limitations of the GSI Mann-Kendall Toolkit, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI Mann-Kendall Toolkit for Constituent Trend Analysis spreadsheet at the laboratory RL.

Monitor well MW-16 is scheduled to be sampled annually and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guideline during the 4th quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below NMOCD regulatory guidelines since the 1st quarter of 2004. PAH sampling and analysis was not required based on historical PAH analytical data.

Monitor well MW-18 is scheduled to be sampled quarterly and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 3rd quarter of 2009. PAH sampling and analysis was not required based on historical PAH analytical data.

Recovery well RW-1 is scheduled to be sampled quarterly and was not sampled during the four (4) quarters of the reporting period, due to the presence of PSH during all four (4) quarters of the reporting period. In addition, PAH sampling and analysis scheduled for the 4th quarter was not conducted due to the presence of PSH.

Recovery well RW-2 is scheduled to be sampled quarterly and was not sampled during the reporting period, due to the presence of PSH during all four (4) quarters of the reporting period. In

addition, PAH sampling and analysis scheduled for the 4th quarter was not conducted due to the presence of PSH.

Recovery well RW-3 is scheduled to be sampled quarterly and was not sampled during the four (4) quarters of the reporting period, due to the presence of PSH. In addition, PAH sampling and analysis scheduled for the 4th quarter was not conducted due to the presence of PSH.

Recovery well RW-4 is scheduled to be sampled quarterly and was not sampled during the four (4) quarters of the reporting period, due to the presence of PSH. In addition, PAH sampling and analysis scheduled for the 4th quarter was not conducted due to the presence of PSH.

Laboratory analytical results were compared to the NMOCD regulatory guidelines based on the New Mexico groundwater guidelines found in Section 20.6.2.3103 of the New Mexico Administrative Code.

4.4 Effluent Water Sampling Activities

Please note, during maintenance activities, all groundwater recovered from the Site was stored in the on-site frac tank and periodically transported to an NMOCD approved disposal. During the maintenance activities no water has been discharged to the on-site infiltration gallery wells.

Please note, the sparging system remained operational following the system shut down to maintain downgradient control of the PSH plume. Please reference Table 2 for a summary of 2024 BTEX concentrations in effluent groundwater and Table 5 for a summary of historical BTEX concentrations in effluent groundwater.

5.0 MONITORED NATURAL ATTENUATION RESULTS SUMMARY

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

Following a release, bacteria and archaea begin to degrade petroleum plumes by oxidizing hydrocarbons. In order for this biodegradation to occur, reducers such as oxygen, nitrate, manganese²⁺, iron³⁺, sulfate, and carbon dioxide must be present. These reactions, termed oxidation-reduction, or “REDOX” reactions, provide bacteria and archaea varying amounts of energy.

The microbial population will utilize the most energetically favorable reaction available and subsequently move to less favorable reactions as electron acceptors are consumed. This process is generally termed the “REDOX Ladder”, which is depicted in the figure below.

Common Hydrocarbon REDOX Reactions in Groundwater		
Reaction	Process	Energy
Aerobic Oxidation	$\text{CH}_2\text{O} + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$	-120 Kcal/mol
Denitrification	$5\text{CH}_2\text{O} + 3\text{NO}_3 + 4\text{H}^+ \rightarrow \text{CO}_2 + 7\text{H}_2\text{O} + 2\text{N}_2$	-114 Kcal/mol
Manganese Reduction	$\text{CH}_2\text{O} + 2\text{MnO}_2 + 4\text{H}^+ \rightarrow \text{CO}_2 + 3\text{H}_2\text{O} + 2\text{Mn}^{2+}$	-81 Kcal/mol
Iron Reduction	$\text{CH}_2\text{O} + 4\text{Fe}(\text{OH})_3 + 8\text{H}^+ \rightarrow \text{CO}_2 + 11\text{H}_2\text{O} + 4\text{Fe}^{2+}$	-28 Kcal/mol
Sulfate Reduction	$2\text{CH}_2\text{O} + \text{SO}_4^{2-} + \text{H}^+ \rightarrow 2\text{CO}_2 + 2\text{H}_2\text{O} + \text{HS}^-$	-25 Kcal/mol
Methanogenesis	$2\text{CH}_2\text{O} \rightarrow \text{CH}_3\text{COOH} \rightarrow \text{CH}_4 + \text{CO}_2$	-22 Kcal/mol

The most energetically favorable electron acceptors (i.e., dissolved oxygen and nitrate) tend to get consumed first and plumes tend to be limited in them toward the plume center while having excess of the other electron acceptors toward the periphery. For this reason, the groundwater geochemistry of hydrocarbon plumes tends to be characterized by concentric three-dimensional regions each dominated by one of the reactions listed above. The largest source of electron donors at petroleum release sites is typically petroleum hydrocarbons (e.g., light non-aqueous phase liquids [LNAPLs]); therefore, the center of the concentric region near the origin of a release area tends to be at the location where LNAPL is most likely to be present. Please note, LNAPL and PSH are used interchangeably in this report.

The lateral and vertical location as well as the morphology of each region can be determined using the concentration of the electron acceptors, electron donors, and the field-measured parameters such as oxidation-reduction potential (ORP) and dissolved oxygen (DO).

Dissolved-phase hydrocarbon plumes begin to spread out from a release area within the subsurface along the direction of groundwater flow (controlled by advection), perpendicular to groundwater flow (controlled by diffusion), and vertically (controlled by infiltration and advection) following the release. LNAPL, when present, tends to be smeared within the soil vertically below the release area and above an area where LNAPL has spread in response to the driving head imposed by the LNAPL source. Once the source of the release is stopped (i.e., the driving head is removed), LNAPL in the subsurface becomes trapped by capillary forces within the subsurface and further LNAPL spreading ceases. For these reasons, the plume shape, COC concentrations, and biogeochemistry change with time.

Six (6) monitor/recovery wells were sampled to determine the morphology of each biodegradation region and to assess the attenuation of benzene, toluene, ethylbenzene and xylenes in the plume. These wells generally included one (1) well upgradient of the plume (MW-10), one (1) well upgradient within the plume (MW-9), one (1) well near the center of the plume (MW-5), one (1)

well downgradient within the plume (MW-6), one (1) well downgradient of the plume (MW-15), and one (1) well cross-gradient of the plume center (MW-14).

The six (6) monitor/recovery wells (MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14) were sampled for concentrations of BTEX using Method EPA 8021B, Total Organic Carbon (TOC) using Method EPA 415.1, Dissolved Methane Gas using RSK-175, Dissolved Ethane Gas using RSK-175, Dissolved Ethene Gas using RSK-175, Total Iron (filtered) using Method EPA 6010B, Total Manganese (filtered) using Method EPA 6010B, Anion Nitrate and Sulfate by Method EPA 300.0, and Chemical Oxygen Demand (COD) by 8000.

In past reports, trends were assessed using several years of data which may not reflect current conditions within the plume. For this reason, trends in this report are based upon data collected during the last two years of monitoring using the GSI Mann-Kendall Toolkit (GSI-MKT, 2012) as these trends reflect current plume geochemistry and may be a better indicator of future plume behavior.

Note that, due to the limitations of the GSI MKT, constituents exhibiting concentrations less than the applicable laboratory RL are depicted on the GSI MKT for Constituent Trend Analysis spreadsheet at the laboratory RL. Care must be exercised when interpreting trend analysis when non-detect results are included in the trend analysis, particularly where there are multiple non-detect results and RLs vary over time. In such cases, it is possible that the Mann-Kendall Trend Analysis may indicate an increasing or decreasing trend for a constituent when, in reality, the concentration of the constituent at the particular well is stable or no trend exists. In these instances, the GSI-MKT user's guide suggests that the constituent concentration trend in the well be designated as "stable" or no trend and not rely on the trend predicted by the Mann-Kendall analysis.

Quarterly results and trend analyses for each of the constituents analyzed during 2024 are summarized below.

For the 1st quarter of 2024, the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 10.9 mg/L for monitor well MW-5.

For the 2nd quarter, the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 5.71 mg/L for monitor well MW-5.

For the 3rd quarter, the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 9.48 mg/L for monitor well MW-5.

For the 4th quarter, the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 10.5 mg/L for monitor well MW-5.

Please reference Table 13 for GSI-MKT benzene results. Analytical benzene data for up to the previous eight (8) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “Stable”, “No Trend”, “No Trend”, “Increasing”, “Stable”, and “Stable”.

For the 1st quarter, the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-6, MW-15, and MW-14 to 4.45 mg/L for monitor well MW-5.

For the 2nd quarter, the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 2.5 mg/L for monitor well MW-5.

For the 3rd quarter, the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 6.49 mg/L for monitor well MW-5.

For the 4th quarter, the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, MW-6, and MW-14 to 5.31 mg/L for monitor well MW-5.

Please reference Table 14 for GSI-MKT toluene results. Analytical toluene data for up to the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “Stable”, “No Trend”, “No Trend”, “No Trend”, “Stable”, and “Stable”.

For the 1st quarter of 2024, the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15 and MW-14 to 0.868 mg/L for monitor well MW-5.

For the 2nd quarter, the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 0.587 mg/L for monitor well MW-5.

For the 3rd quarter, the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 1.36 mg/L for monitor well MW-5.

For the 4th quarter, the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 1.39 mg/L for monitor well MW-5.

Please reference Table 15 for GSI-MKT ethylbenzene results. Analytical ethylbenzene data for up to the previous eight (8) quarters was entered into the GSI-MKT for monitor wells

MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “Stable”, “Probably Decreasing”, “No Trend”, “Stable”, “Stable”, and “Stable”.

For the 1st quarter of 2024, the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 2.295 mg/L for monitor well MW-5.

For the 2nd quarter, the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 1.512 mg/L for monitor well MW-5.

For the 3rd quarter, the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 3.488 mg/L for monitor well MW-5.

For the 4th quarter, the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-15, and MW-14 to 3.932 mg/L for monitor well MW-5.

Please reference Table 16 for GSI-MKT xylene results. Analytical xylene data for up to the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “Decreasing”, “Stable”, “No Trend”, “No Trend”, “Decreasing”, and “Decreasing”. Please note that xylene was not detected in the eight quarters for monitor wells MW-10 and MW-15 or in six of the eight quarters for MW-14. Therefore, the decreasing trends predicted for these monitoring wells reflect the trend of the detection limits and not the actual concentration of xylene. On this basis and in accordance with the user’s guide for the GSI-MKT, the concentration of xylene in these wells were judged to exhibit “No Trend”.

For the 1st quarter of 2024, the analytical results for concentrations of TOC ranged from 2 mg/L for monitor wells MW-14 and MW-15 to 13.3 mg/L for monitor well MW-6.

For the 2nd quarter, the analytical results for concentrations of TOC ranged from 2.59 mg/L for monitor wells MW-14 to 24.2 mg/L for MW-6. For the 3rd quarter, the analytical results for concentrations of TOC ranged from 1.41 mg/L for monitor well MW-15 to 18.8 mg/L for monitor well MW-6.

For the 4th quarter, the analytical results for concentrations of TOC ranged from 1.17 mg/L for monitor well MW-14 to 21.5 mg/L for monitor well MW-6.

Please reference Table 17 for GSI-MKT TOC results. Analytical TOC data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “Increasing”, “Increasing”, “Increasing”, “Increasing”, “Probably Increasing”, and “Increasing”.

For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Methane ranged from below the applicable laboratory RL for monitor well MW-10 to 6.28 mg/L for monitor well MW-5.

For the 2nd quarter, the analytical results for concentrations of Dissolved Methane ranged from below the applicable laboratory RL for monitor well MW-10 to 5.07 mg/L for monitor well MW-5.

For the 3rd quarter, the analytical results for concentrations of Dissolved Methane ranged from 0.000824 mg/l for monitor well MW-10 to 7.14 mg/L for monitor well MW-5.

For the 4th quarter, the analytical results for concentrations of Dissolved Methane ranged from 0.00115 mg/L for monitor well MW-15 to 2.98 mg/L for monitor well MW-6.

Please reference Table 18 for GSI-MKT Dissolved Methane results. Analytical TOC data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “Stable”, “Probably Decreasing”, “Decreasing”, “Increasing”, “Stable”, and “Decreasing”.

For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14.

For the 2nd quarter the analytical results for concentrations of Dissolved Ethane were less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14.

For the 3rd quarter the analytical results for concentrations of Dissolved Ethane were less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14.

For the 4th quarter the analytical results for concentrations of Dissolved Ethane were less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14.

Please reference Table 19 for GSI-MKT Dissolved Ethane results. Analytical Dissolved Ethane data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “Stable”, “No Trend”, “Stable”, “Stable”, and “No Trend”.

For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Ethene were less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14.

For the 2nd quarter, the analytical results for concentrations of Dissolved Ethene were less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14.

For the 3rd quarter, the analytical results for concentrations of Dissolved Ethene were less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14.

For the 4th quarter, the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14.

Please reference Table 20 for GSI-MKT Dissolved Ethene results. Analytical Dissolved Ethene data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “No Trend”, “No Trend”, “No Trend”, “No Trend”, and “No Trend”. For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-15 and MW-14 to 1.62 mg/L for monitor well MW-5.

For the 2nd quarter, the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor MW-10, MW-9, MW-15, and MW-14 to 1.89 mg/L for monitor wells MW-5 and MW-6.

For the 3rd quarter, the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-15 and MW-14 to 3.41 mg/L for monitor well MW-9.

For the 4th quarter, the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-10, MW-9, MW-15, and MW-14 to 2.47 mg/L for monitor well MW-6.

Please reference Table 21 for GSI-MKT Dissolved Iron (filtered) results. Analytical Dissolved Iron data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “No Trend”, “No Trend”, “No Trend”, “Stable”, and “Stable”.

For the 1st quarter of 2024, the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00122 mg/L for monitor well MW-10 to 0.41 mg/L for monitor well MW-6.

For the 2nd quarter, the analytical results for concentrations of Dissolved Manganese (filtered) ranged from less than the applicable laboratory RL for monitor well MW-10 to 0.639 mg/L for monitor well MW-6.

For the 3rd quarter, the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00786 for monitor well MW-10 to 0.577 mg/L for monitor well MW-6.

For the 4th quarter, analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00616 mg/L for monitor well MW-10 to 0.626 mg/L for monitor well MW-6.

Please reference Table 22 for GSI-MKT Dissolved Manganese (filtered) results. Analytical Dissolved Manganese data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “Stable”, “Stable”, “Increasing”, “Decreasing”, and “Probably Decreasing”.

For the 1st quarter of 2024, the analytical results for concentrations of Nitrate ranged from below the applicable laboratory RL for monitor wells MW-9, MW-5, and MW-6 to 8.9 mg/L for monitor well MW-10.

For the 2nd quarter, the analytical results for concentrations of Nitrate ranged from below the applicable laboratory RL for monitor well MW-9, MW-5, and MW-6 to 8.92 mg/L for monitor well MW-10.

For the 3rd quarter, the analytical results for concentrations of Nitrate ranged from 0.19 mg/L for monitor well MW-6 to 8.84 mg/L for monitor well MW-10.

For the 4th quarter, the analytical results for concentrations of Nitrate ranged from below the applicable laboratory RL for monitor wells MW-9, MW-5, and MW-6 to 8.27 mg/L for monitor well MW-14.

Please reference Table 23 for GSI-MKT Nitrate results. Analytical Nitrate data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “Stable”, “Stable”, “Stable”, “Increasing”, and “Increasing”.

For the 1st quarter of 2024, the analytical results for concentrations of Sulfate ranged from 8.69 mg/L monitor well MW-5 to 63.4 mg/L for monitor well MW-15.

For the 2nd quarter, the analytical results for concentrations of Sulfate ranged from 4.47 mg/L monitor well MW-5 to 79.5 mg/L for monitor wells MW-10 and MW-15.

For the 3rd quarter, the analytical results for concentrations of Sulfate ranged from 7.31 mg/L monitor well MW-6 to 74.1 mg/L for monitor well MW-9.

For the 4th quarter, the analytical results for concentrations of Sulfate ranged from 15.9 mg/L monitor well MW-5 to 89.3 mg/L for monitor well MW-15.

Please reference Table 24 for GSI-MKT Sulfate results. Analytical Sulfate data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “No Trend”, “No Trend”, “Probably Decreasing”, “No Trend”, and “Probably Increasing”.

For the 1st quarter of 2024, the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor well MW-10, MW-15, and MW-14 to 720 mg/L for monitor well MW-5.

For the 2nd quarter, the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-15 and MW-14 to 413 mg/L for monitor well MW-5.

For the 3rd quarter, the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-15 and MW-14 to 415 for monitor well MW-5.

For the 4th quarter, the analytical results for concentrations of COD ranged from less than the applicable laboratory RL for monitor wells MW-15 and MW-14 MW-15 and MW-14 to 2,140 mg/L for monitor well MW-5.

Please reference Table 25 for GSI-MKT COD results. Analytical COD data for the previous eight (8) quarters was entered into the GSI-MKT for monitor wells MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14. The GSI-MKT indicated the Concentration Trends for MW-10, MW-9, MW-5, MW-6, MW-15, and MW-14 were as follows “No Trend”, “No Trend”, “Increasing”, “Increasing”, “No Trend”, and “Stable”.

6.0 SUMMARY

This report presents the results of monitoring activities for the 2024 annual monitoring period. There are currently fifteen (15) monitor wells (MW-2 through MW-7, and MW-9 through MW-16, and MW-18) and four (4) recovery wells (RW-1, RW-2, RW-3, and RW-4) on site.

The most recent Inferred Groundwater Gradient Map, Figure 2D, indicated a gradient of 0.0015 feet/foot to the southeast as measured between monitor well MW-10 and MW-13. Groundwater Gradient Maps generated during 1st, 2nd, and 3rd quarters of the reporting period indicated a gradient of 0.0014 feet/foot in a southeast direction. The corrected groundwater elevations ranged between 3,920.39 and 3,921.73 feet above mean sea level, in monitor well MW-13 on December 11, 2024, and recovery well RW-1 on September 18, 2024, respectively.

A measurable thickness of PSH was present in six (6) of the fifteen (15) monitor wells (MW-2 through MW-6 and MW-9) and the four (4) recovery wells (RW-1 through RW-4) during all (4) quarters of the reporting period. The average thickness of PSH in monitor wells and recovery wells exhibiting PSH was 0.82 feet. The maximum thickness of PSH in monitor wells and recovery wells was 4.74 feet as recorded in monitor well RW-4 on December 11, 2024.

Approximately 126.2 gallons (approximately 3.0 barrels) of PSH were recovered from the Site during the 2024 reporting period.

Approximately 4,027.8 gallons (95.9 barrels) of dissolved phase hydrocarbon impacted groundwater were recovered from the Site during the 2024 reporting period.

Review of the 4th quarter 2024 laboratory analytical results of groundwater samples indicated BTEX constituent concentrations are below the NMOCD regulatory guidelines in eight (8) of the nineteen (19) on-site monitor and recovery wells.

The analytical results indicated the on-site TNM 97-04 Sparging System has been effective in confining PSH and the dissolved phase hydrocarbon plume to the core of the TNM 97-04 Release Site. Down-gradient monitor wells (MW-15, MW-13, and MW-18) have not exhibited BTEX concentrations exceeding the NMOCD regulatory guidelines since the 2nd quarter of 2015.

Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270 was conducted during the 4th quarter on selected monitor and recovery wells. Based on historical PAH analytical data, only those wells exhibiting elevated constituent concentrations above NMWQCC Drinking Water Standards are sampled, generally with the exclusion of those wells containing measurable PSH thicknesses.

Please note, during maintenance activities, all groundwater recovered from the Site was stored in the on-site frac tank and was periodically transported to an NMOCD approved disposal. During the maintenance activities no water has been discharged to the on-site infiltration gallery wells and the sparging system remained operational following the system shut down to maintain downgradient control of the PSH plume.

7.0 ANTICIPATED ACTIONS

The Enhanced Recovery System will resume operation during the 2025 reporting period following the upgrades and enhancements to the system. The system may be shut down for short durations of time to conduct routine maintenance and repairs. During adverse weather conditions, the system may be shut down as a safety precaution to protect the integrity of the system.

Weekly PSH and dissolved phase hydrocarbon impacted groundwater recovery will continue in 2025.

Quarterly monitor gauging and groundwater sampling will continue in 2025.

Monthly Recovery System sampling will resume following Recovery System upgrades and enhancements.

As the PSH plume thicknesses decreases, monitor and recovery wells which have historically exhibited elevated constituents near or above the NMWQCC Standards will be sampled for PAH, as necessary.

Low-flow sampling of MNA parameters will be conducted on monitor wells MW-5, MW-6, MW-9, MW-10, MW-14, and MW-15 during each quarterly sampling event. Unforeseen circumstances may require modification of this sampling event.

An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2026.

8.0 LIMITATIONS

TRC has prepared this Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

TRC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents, and the information provided in documents or statements is true and accurate. TRC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. TRC also notes the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of TRC and/or Plains.

9.0 DISTRIBUTION

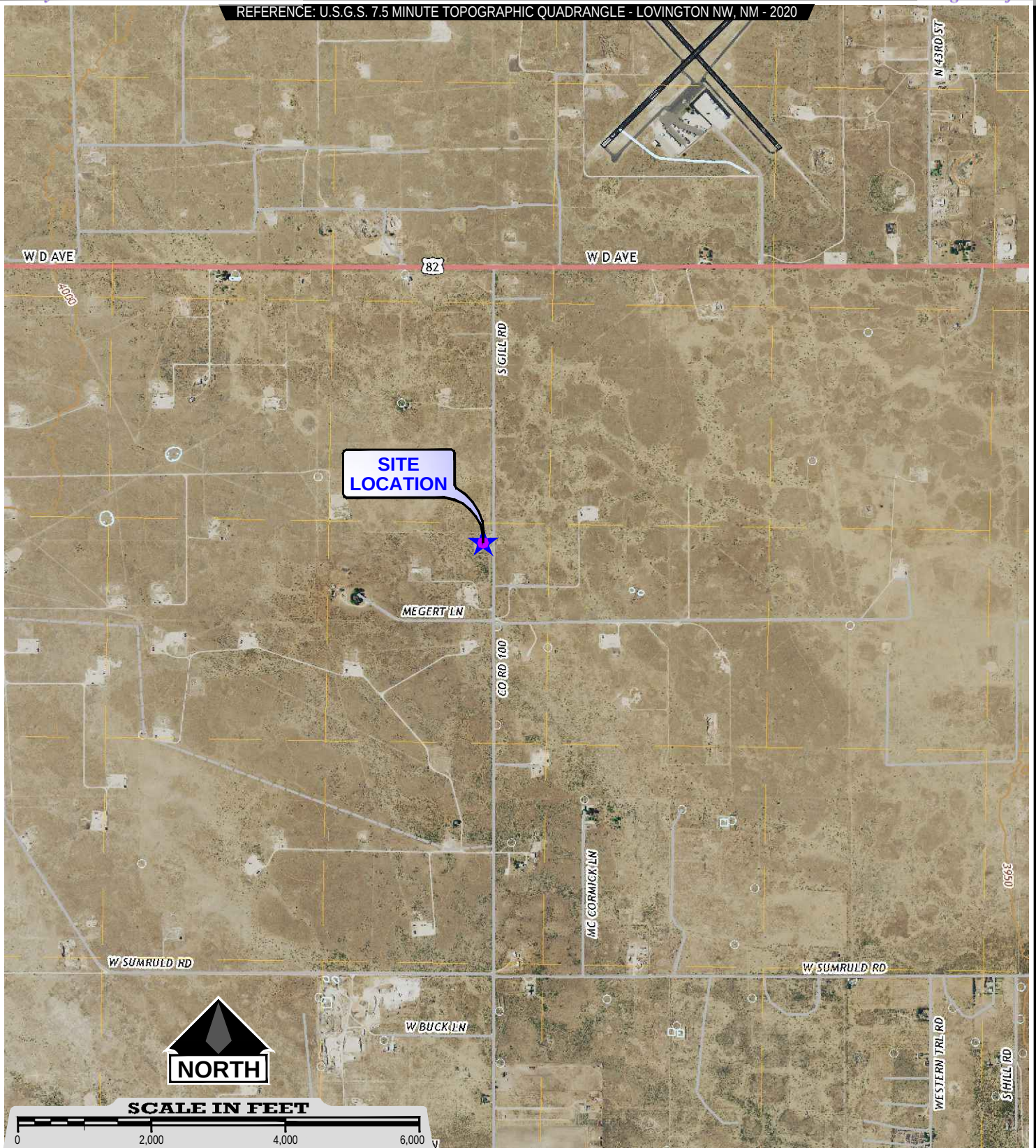
Copy 1 Nelson Velez
 Environmental Specialist-Advanced
 New Mexico Oil Conservation Division
 1000 Rio Brazos Road
 Aztec, New Mexico 87410

Copy 2: Karolanne Hudgens
 Plains Marketing, L.P.
 1106 Griffith Drive
 Midland, TX 79706
 Karolanne.Hudgens@plains.com

Copy 3: TRC Environmental Corporation
 10 Desta Drive, Suite 410E
 Midland, TX 79705
 jrepman@trccompanies.com

FIGURES

REFERENCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE - LOVINGTON NW, NM - 2020



CLIENT / PROJECT

PLAINS PIPELINE, L.P.
TNM 97-04
Lea County, New Mexico

TITLE

SITE LOCATION MAP

DRAWN BY: O. Fonseca

REQUEST BY: J. Fergerson

PROJECT NO.

DWG. DATE: February 2025

PROJECT-MGR: J. Fergerson

014177



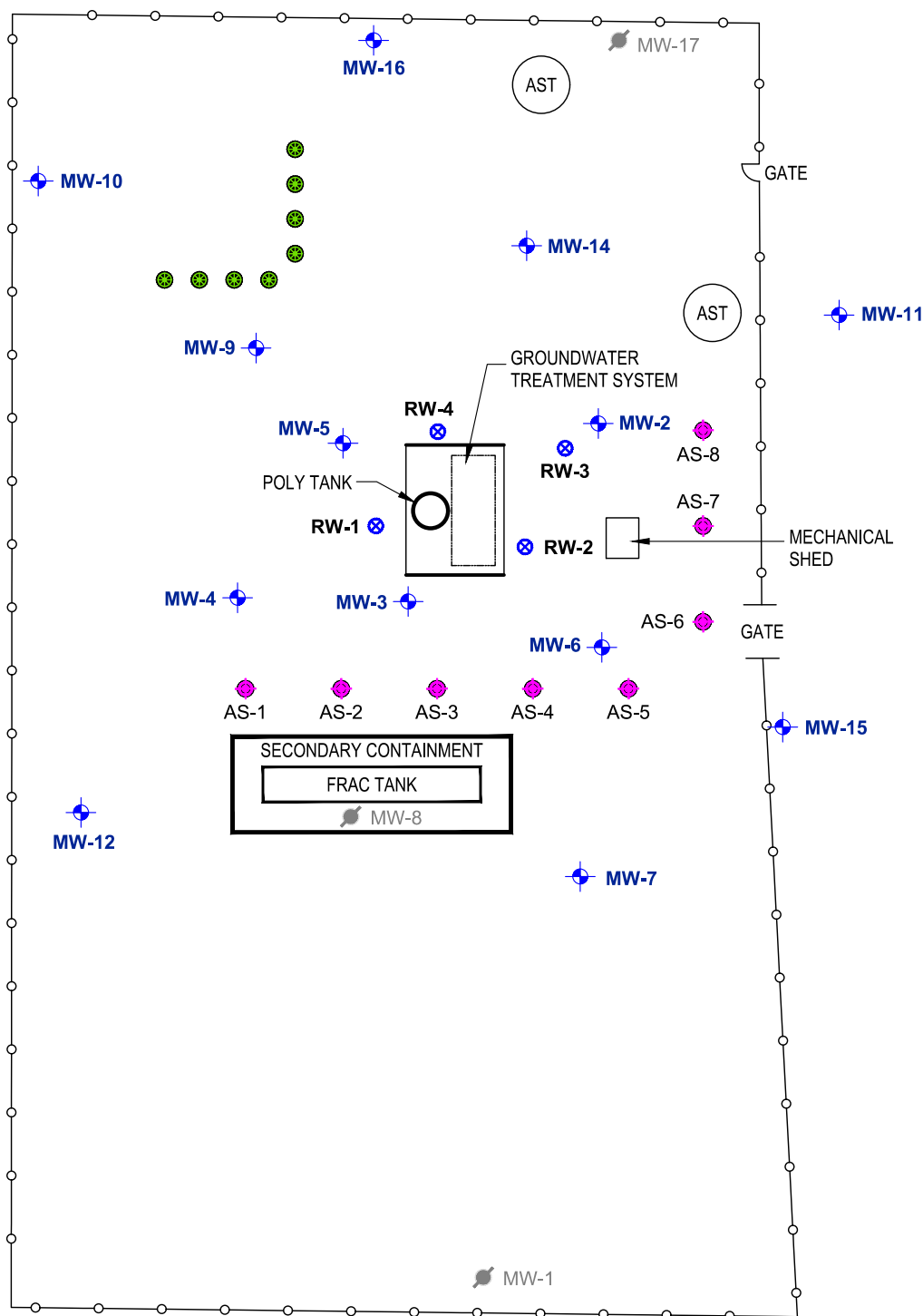
10 DESTA DRIVE, STE. 150E
 MIDLAND, TEXAS 79705
 PHONE: 432-520-7720
TRCcompanies.com

FIGURE

1

FILE LOCATION: HOU C:\OF-TRC\DRAWING-CDrive\ECR-Files\TRC-OFFICE-ALL-Other\TRC-OFFICE-Midland-TX\PLAINS Pipeline - New Mexico\TNM 97-04 - Lea Co\NM- Site Location-n-Site Map.dwg
 LAST EDIT: 10/02/2025 - FILE NAME: PLAINS Pipeline-TNM 97-04 - Lea Co\NM- Site Location-n-Site Map.dwg

S GILL ROAD



LEGEND

- FENCE LINE
- AIR SPARGING WELL LOCATION
- INFILTRATION GALLERY WELL LOCATION
- MONITOR WELL LOCATION
- P & A WELL LOCATION
- RECOVERY WELL LOCATION



0 20' 40'
 SCALE IN FEET
 1" = 40'-0"

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
TNM 97-04
Lea County, New Mexico

TITLE

SITE MAP

DRAWN BY: O. Fonseca

REQUEST BY: J. Repman

PROJECT NO.

DWG. DATE: October 2025

PROJECT-MGR: J. Fergerson

014177

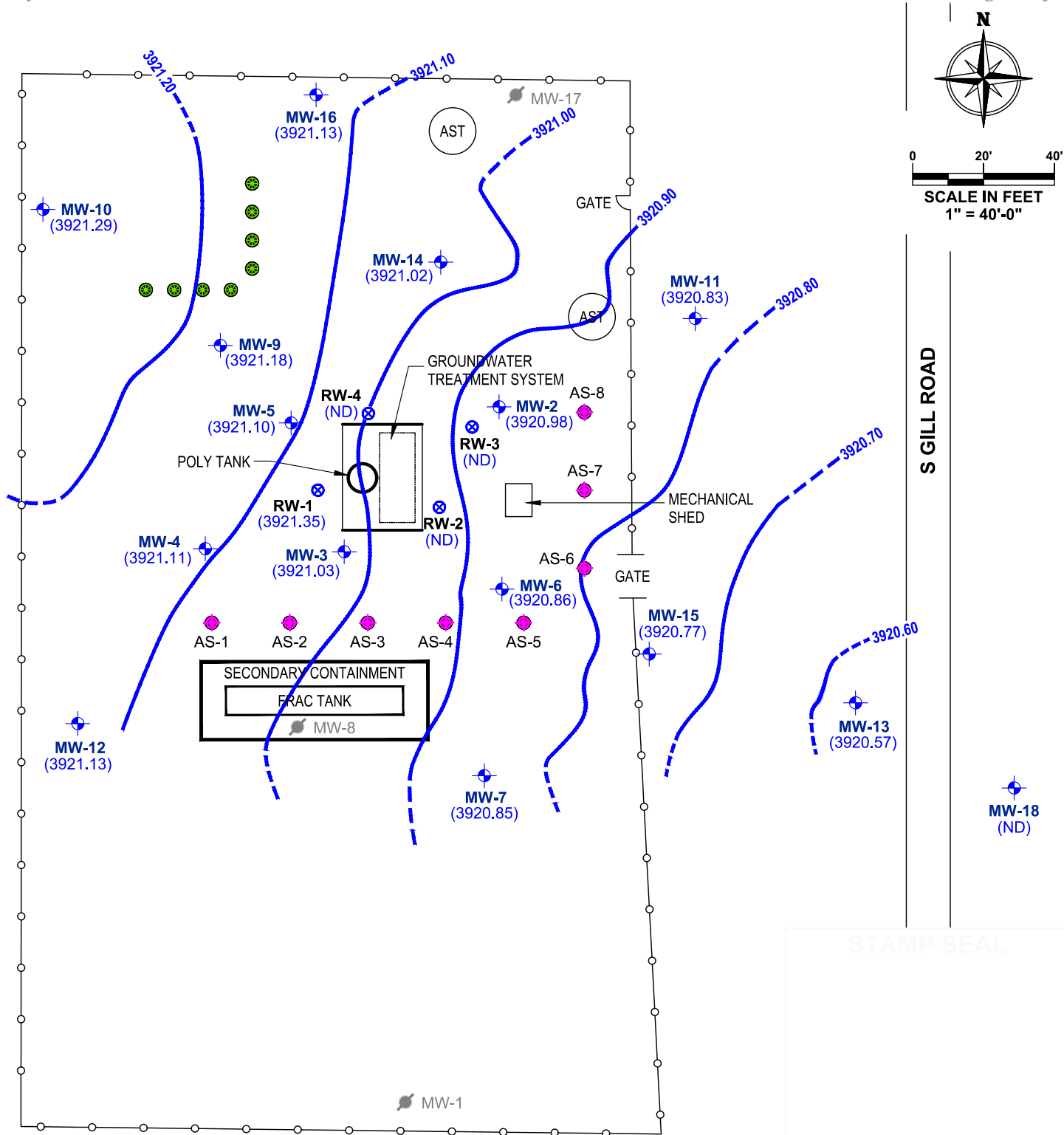


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FIGURE

2

LAST EDIT: 02/20/2025 - FILE LOCATION: HOU C:\OF-TRC\DRAWING-CDrive\ECR-Files\TRC-OFFICE-ALL-Other\TRC-OFFICE-Midland-TX\PLAINS Pipeline - New Mexico\TNM 97-04 - Lea Co\NM- GW Gradient Maps.dwg
 DRAWING BY: O. Fonseca



LEGEND

- FENCE LINE
- AIR SPARGING WELL LOCATION
- INFILTRATION GALLERY WELL LOCATION
- MONITOR WELL LOCATION
- P & A WELL LOCATION
- RECOVERY WELL LOCATION
- GROUNDWATER CONTOUR LINE (DASHED WHERE INFERRED)
- CONTOUR INTERVAL = 0.10 FOOT
- GROUNDWATER ELEVATION (FT MSL)
- NO ELEVATION OR GAUGING DATA AVAILABLE

NOTE:

RW-1 NOT USED FOR CONTOURING.

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
 TNM 97-04
 Lea County, New Mexico

TITLE

INFERRED GROUNDWATER GRADIENT MAP (March 6, 2024)

DRAWN BY: O. Fonseca

REQUEST BY: J. Fergerson

PROJECT NO.

DWG. DATE: February 2025

PROJECT-MGR: J. Fergerson

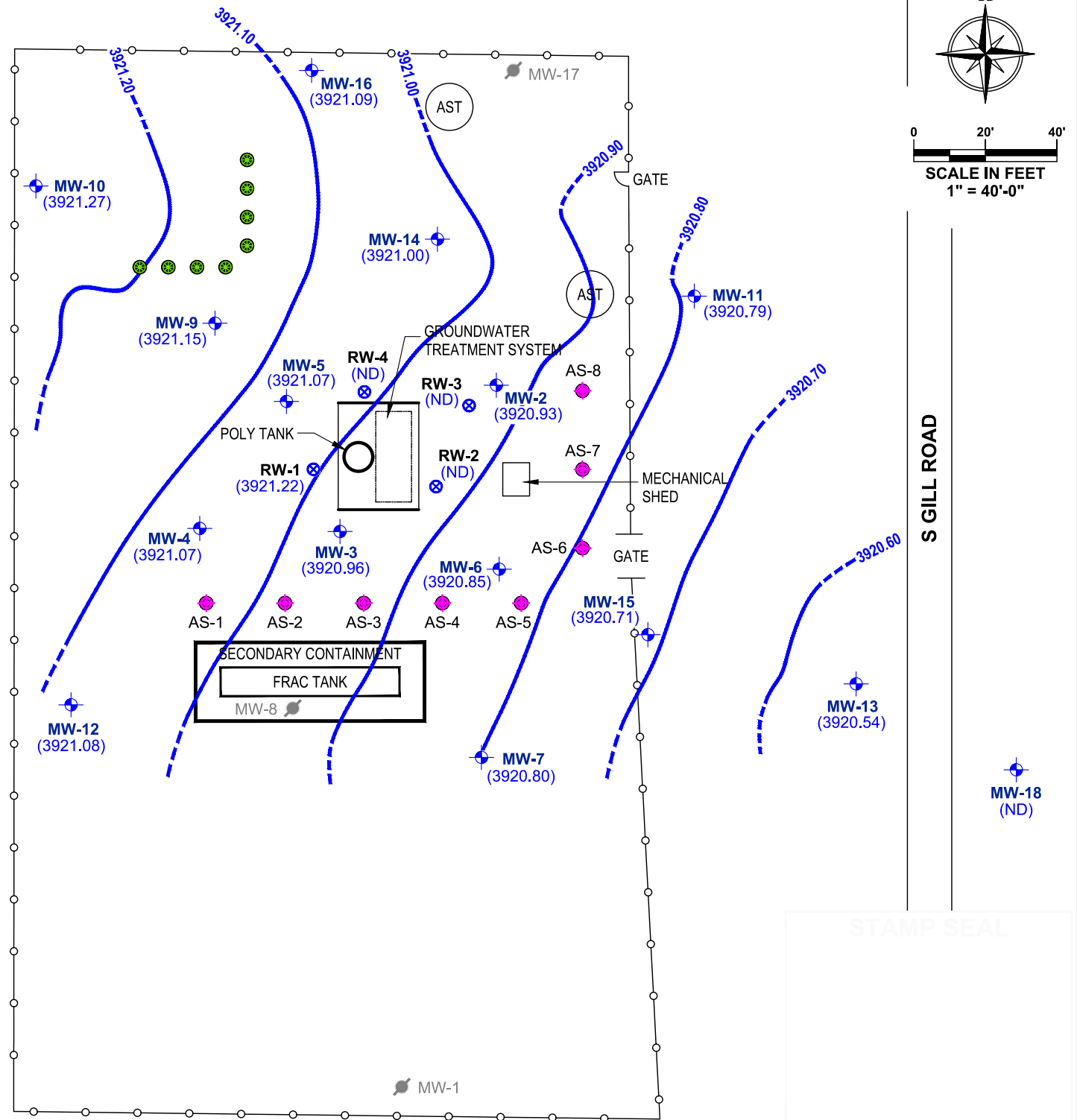
014177



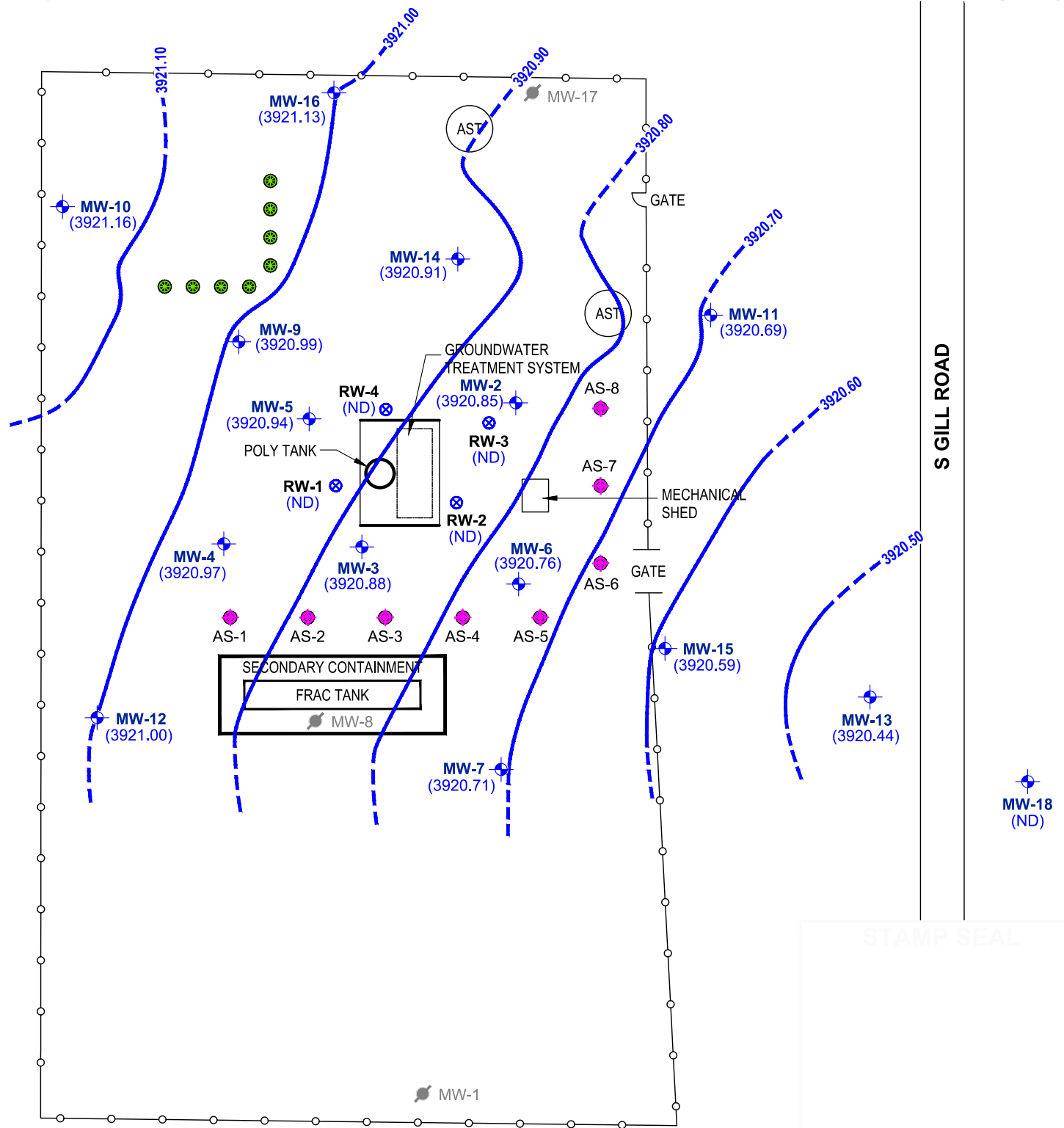
10 DESTA DRIVE, STE. 150E
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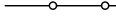
FIGURE

2A



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**LEGEND**

-  FENCE LINE
-  AIR SPARGING WELL LOCATION
-  INFILTRATION GALLERY WELL LOCATION
-  MONITOR WELL LOCATION
-  P & A WELL LOCATION
-  RECOVERY WELL LOCATION
-  GROUNDWATER CONTOUR LINE
(DASHED WHERE INFERRED)
-  CONTOUR INTERVAL = 0.10 FOOT
-  GROUNDWATER ELEVATION (FT MSL)
-  NO ELEVATION OR GAUGING DATA AVAILABLE



0 20' 40'

SCALE IN FEET

1" = 40'-0"

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
TNM 97-04
Lea County, New Mexico

TITLE

INFERRED GROUNDWATER GRADIENT MAP
(September 18, 2024)

DRAWN BY: O. Fonseca

REQUEST BY: J. Fergerson

PROJECT NO.

DWG. DATE: February 2025

PROJECT-MGR: J. Fergerson

014177

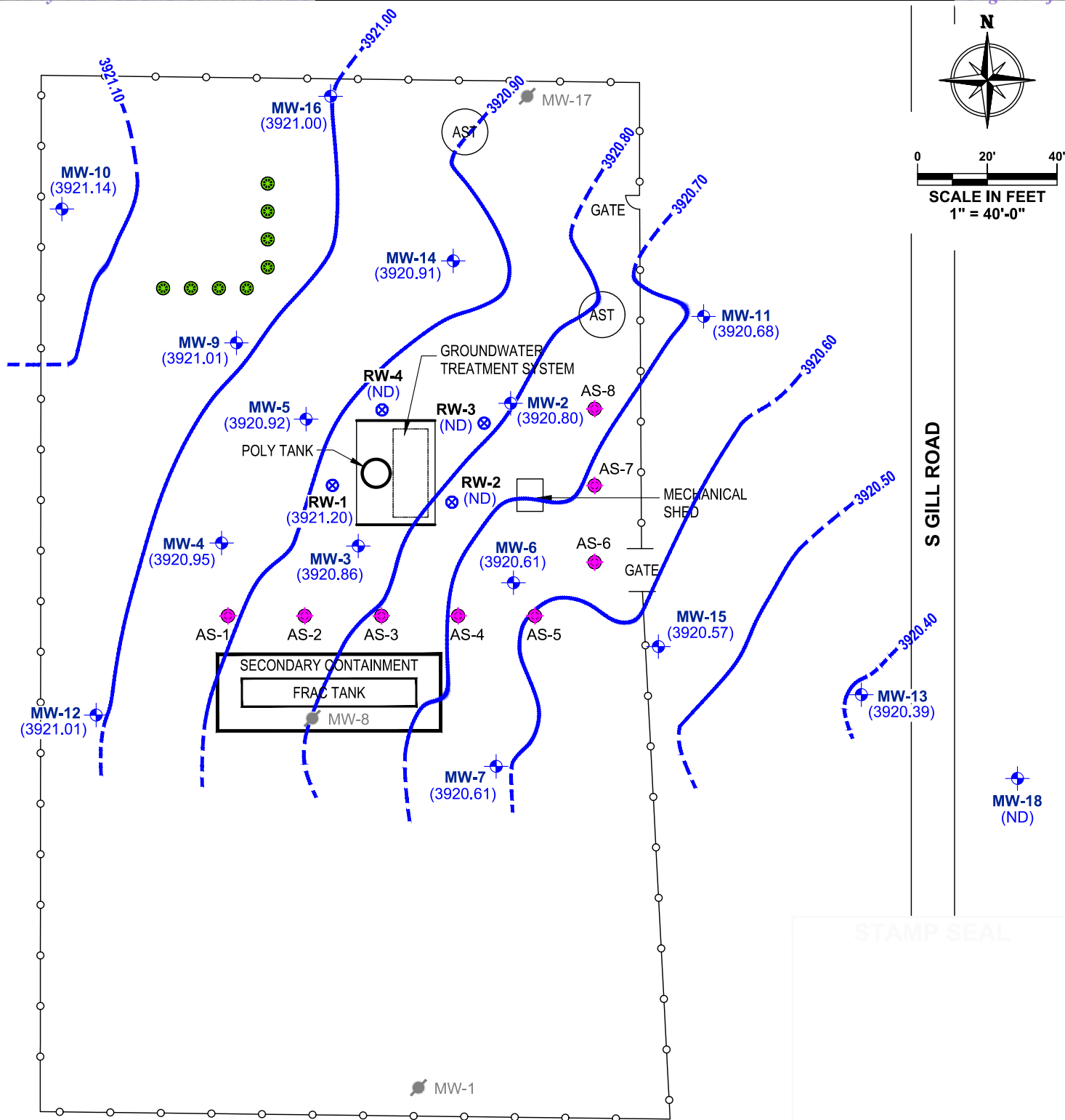


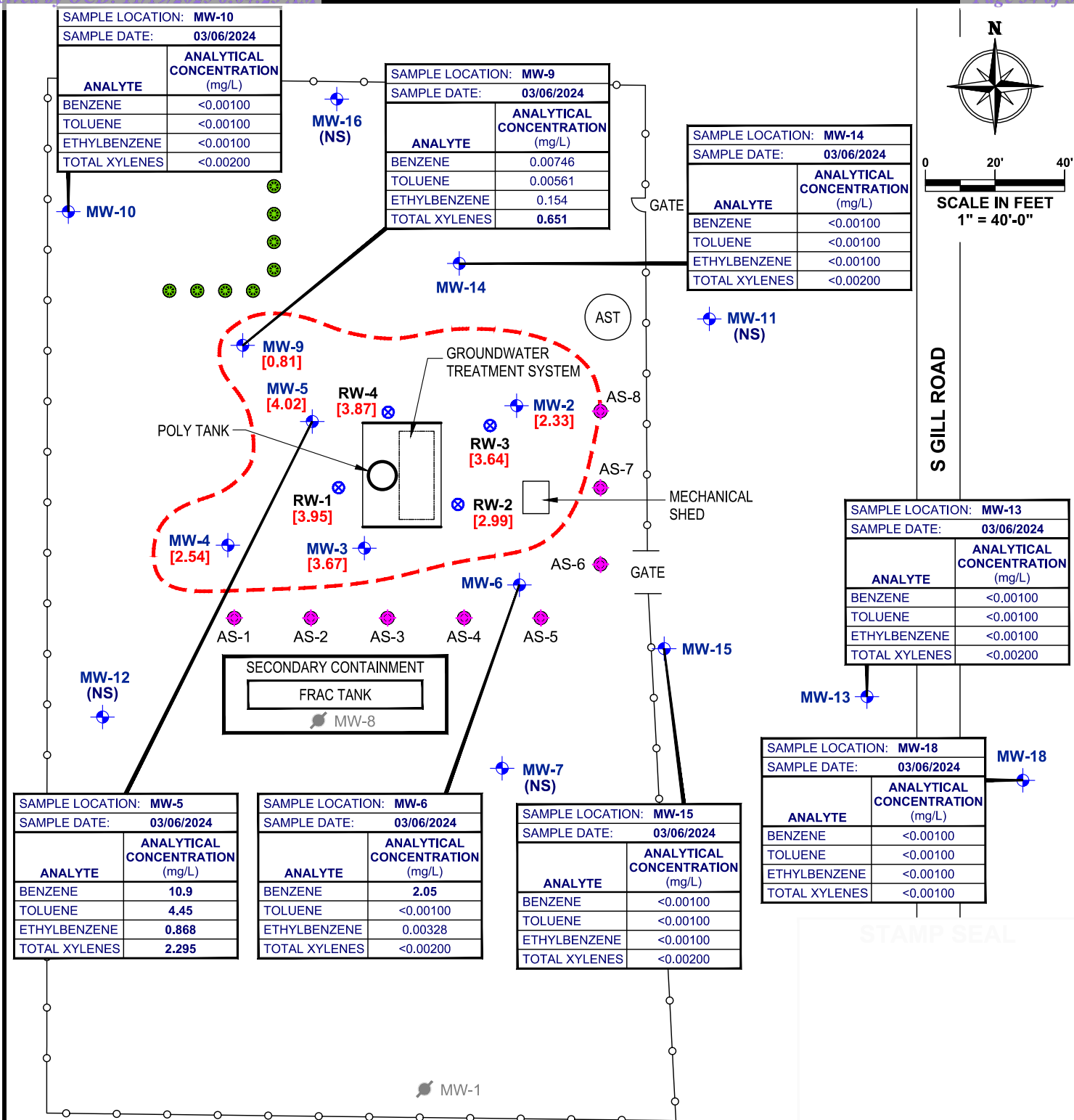
10 DESTA DRIVE, STE. 150E
MIDLAND, TEXAS 79705
PHONE: 432-520-7720
TRCcompanies.com

FIGURE

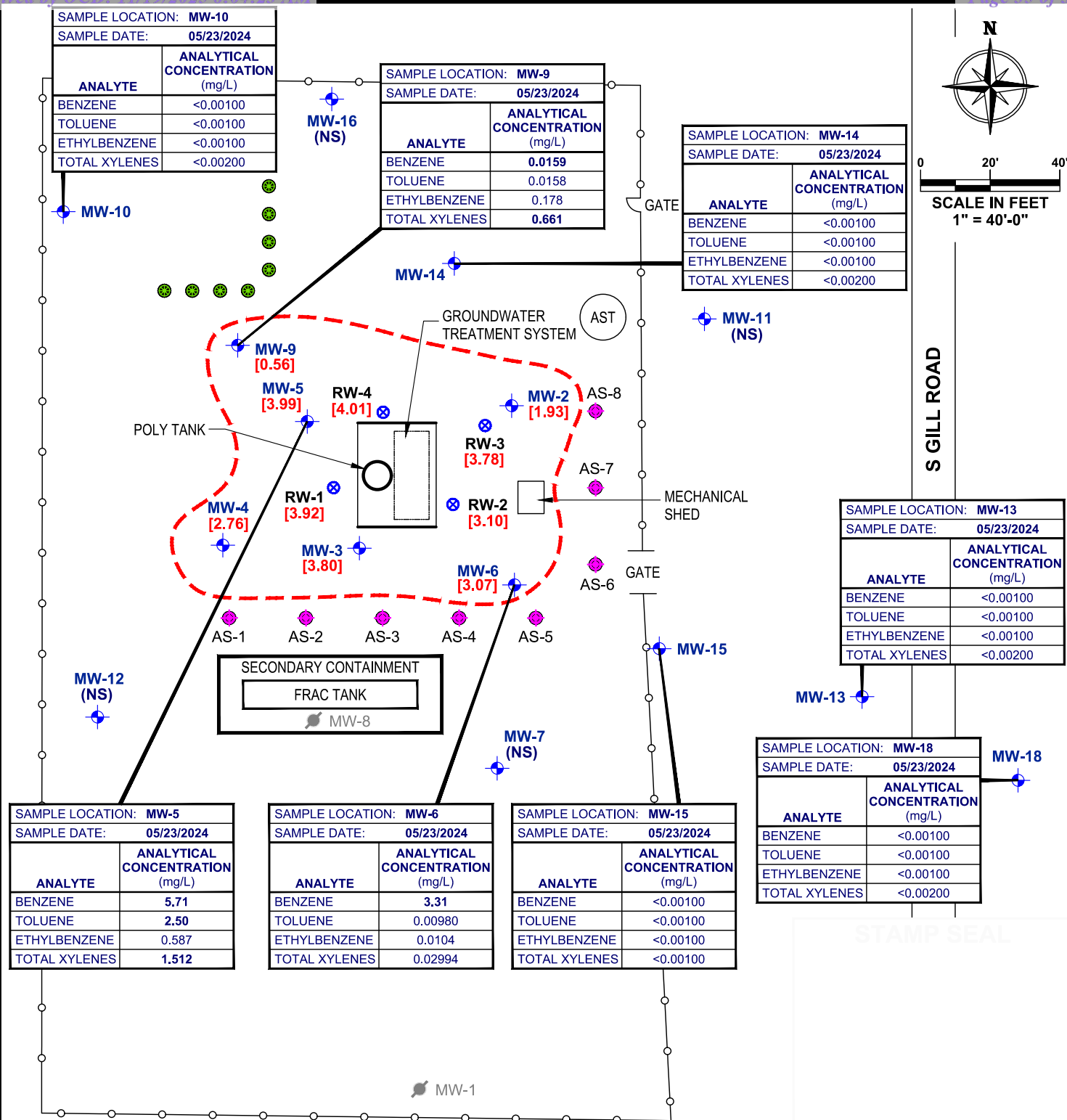
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 DRAWING BY: O. Fonseca





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 LAST EDIT: 10/31/2025 - FILE NAME: Fig 3-PLAINS Pipeline-TNM9704-LeaCoNM- GW Concentration Maps.dwg



CLIENT / PROJECT
PLAINS PIPELINE, L.P.
TNM 97-04
Lea County, New Mexico

**GROUNDWATER CONCENTRATION
 & INFERRED PSH EXTENT MAP**
 (May 23, 2024)

DRAWN BY: O. Fonseca
 DWG. DATE: October 2025

REQUEST BY: H. Gloden
 PROJECT-MGR: J. Ferguson

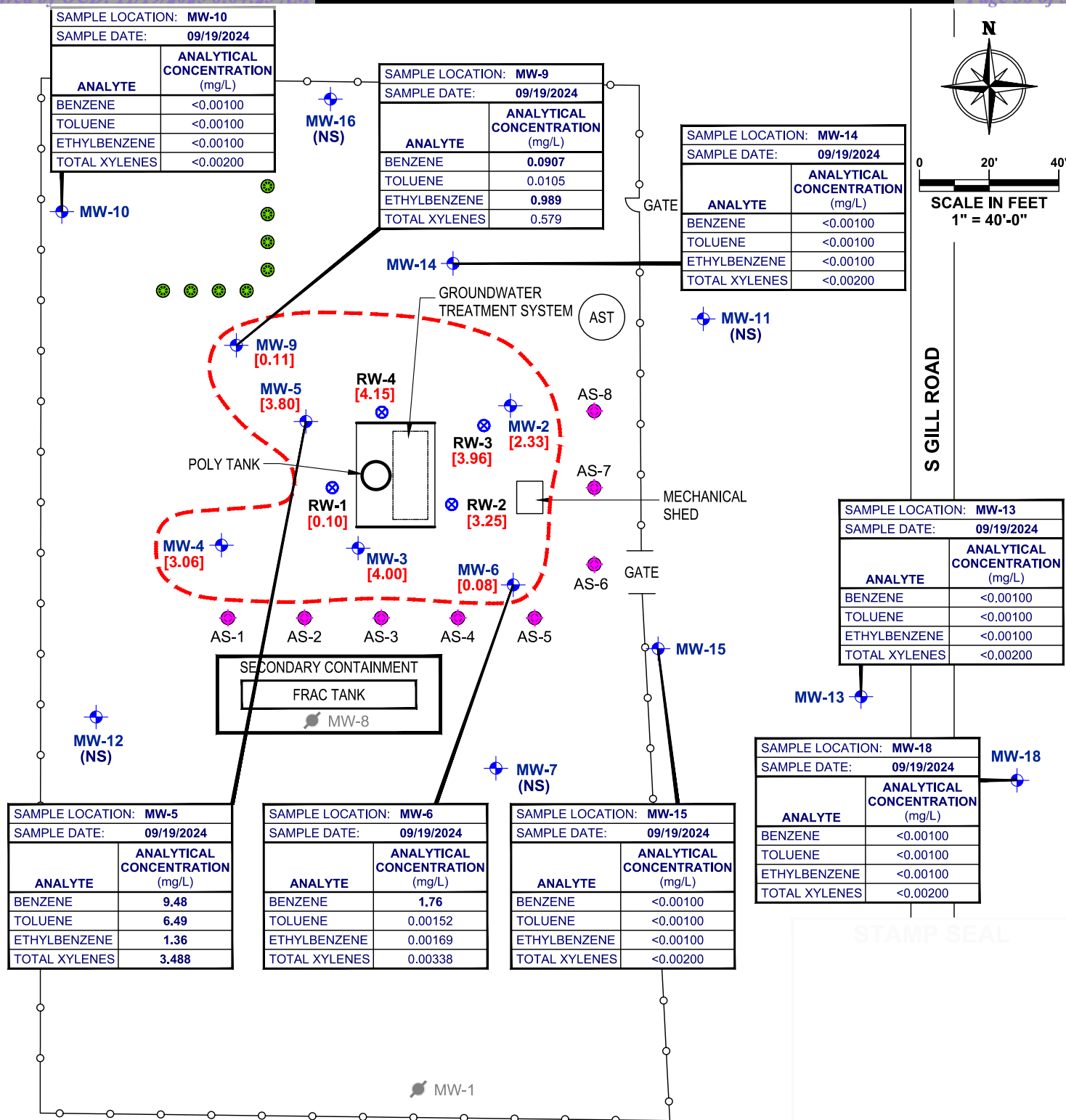
PROJECT NO.
014177



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 MIDLAND, TEXAS 79705
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FIGURE
3B

FILE LOCATION: HOU C:\OF-TRC\DRAWING-CDrive\ECR-Files\TRC-OFFICE-ALL-Other\TRC-OFFICE-Midland-TX\PLAINS Pipeline - New Mexico\TNM 97-04 - Lea Co\NM- GW Concentration Maps.dwg
 LAST EDIT: 10/31/2025 - FILE NAME: Fig 3-PLAINS Pipeline-TNM9704-LeaCoNM- GW Concentration Maps.dwg



LEGEND

- FENCE LINE
- AIR SPARGING WELL LOCATION
- INFILTRATION GALLERY WELL LOCATION
- MONITOR WELL LOCATION
- P & A WELL LOCATION
- RECOVERY WELL LOCATION
- PHASE SEPARATED HYDROCARBON THICKNESS
- INFERRED PSH EXTENT BOUNDARY
- BOLD - INDICATES CONCENTRATION ABOVE REGULATORY LIMITS
- (NS) NOT SCHEDULED FOR SAMPLING
- mg/L MILLIGRAMS PER LITER

CLIENT / PROJECT

PLAINS PIPELINE, L.P.
 TNM 97-04
 Lea County, New Mexico

TITLE

GROUNDWATER CONCENTRATION & INFERRED PSH EXTENT MAP (September 19, 2024)

DRAWN BY: O. Fonseka

REQUEST BY: H. Gloden

PROJECT NO.

DWG. DATE: October 2025

PROJECT-MGR: J. Ferguson

014177

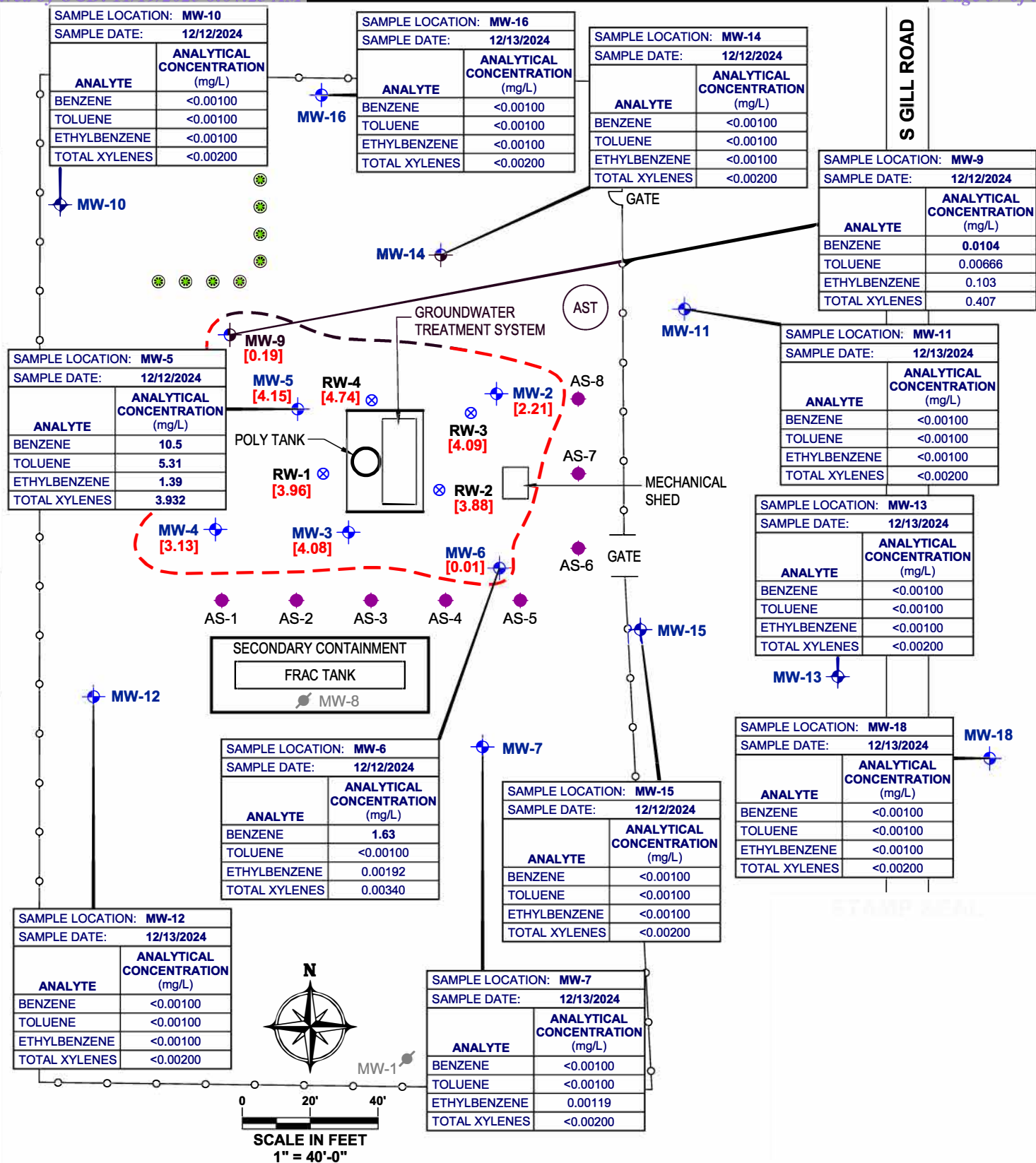


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 MIDLAND, TEXAS 79705
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FIGURE

3C

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 LAST EDIT: 10/31/2025
 DRAWING BY: O. Fonseca
 FILE NAME: Fig 3-PLAINS Pipeline-TNM9704-LeaCoNM- GW Concentration Maps.dwg



CLIENT / PROJECT
PLAINS PIPELINE, L.P.
TNM 97-04
Lea County, New Mexico

**GROUNDWATER CONCENTRATION
 & INFERRED PSH EXTENT MAP
 (December 12-13, 2024)**

DRAWN BY: O. Fonseca	REQUEST BY: H. Gloden	PROJECT NO. 014177
DWG. DATE: October 2025	PROJECT-MGR: J. Fergerson	FIGURE 3D
10 DESTA DRIVE, STE. 150E MIDLAND, TEXAS 79705 PHONE: 432-520-7720 TRCcompanies.com		

TABLES

TABLE 1

2024 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	Manny	01/03/24	3974.62	-	53.16	56.68	3.52	3920.93
MW - 2	Manny	01/15/24	3974.62	-	53.51	55.92	2.41	3920.75
MW - 2	Manny	01/23/24	3974.62	-	53.62	54.42	0.80	3920.88
MW - 2	Manny	03/06/24	3974.62	-	53.29	55.62	2.33	3920.98
MW - 2	Manny	04/02/24	3974.62	-	53.24	56.01	2.77	3920.96
MW - 2	Manny	05/23/24	3974.62	-	53.40	55.33	1.93	3920.93
MW - 2	Manny	07/08/24	3974.62	-	53.30	56.12	2.82	3920.90
MW - 2	Manny	07/23/24	3974.62	-	53.26	56.28	3.02	3920.91
MW - 2	Manny	08/06/24	3974.62	-	52.75	56.53	3.78	3921.30
MW - 2	Manny	09/18/24	3974.62	-	53.42	55.75	2.33	3920.85
MW - 2	Manny	10/07/24	3974.62	-	53.39	55.99	2.60	3920.84
MW - 2	Manny	12/11/24	3974.62	-	53.49	55.70	2.21	3920.80
MW - 3	Manny	03/06/24	3974.60	-	53.02	56.69	3.67	3921.03
MW - 3	Manny	05/23/24	3974.60	-	53.07	56.87	3.80	3920.96
MW - 3	Manny	09/18/24	3974.60	-	53.12	57.12	4.00	3920.88
MW - 3	Manny	12/11/24	3974.60	57.62	53.13	57.21	4.08	3920.86
MW - 4	Manny	03/06/24	3974.53	-	53.04	55.58	2.54	3921.11
MW - 4	Manny	05/23/24	3974.53	-	53.05	55.81	2.76	3921.07
MW - 4	Manny	09/18/24	3974.53	-	53.10	56.16	3.06	3920.97
MW - 4	Manny	12/11/24	3974.53	63.42	53.11	56.24	3.13	3920.95
MW - 5	Manny	01/03/24	3974.27	-	52.71	56.62	3.91	3920.97
MW - 5	Manny	01/12/24	3974.27	-	52.74	56.48	3.74	3920.97
MW - 5	Manny	01/23/24	3974.27	-	52.74	56.50	3.76	3920.97
MW - 5	Manny	01/29/24	3974.27	-	52.73	56.51	3.78	3920.97
MW - 5	Manny	03/06/24	3974.27	-	52.57	56.59	4.02	3921.10
MW - 5	Manny	04/02/24	3974.27	-	52.67	56.45	3.78	3921.03
MW - 5	Manny	04/24/24	3974.27	-	52.66	56.54	3.88	3921.03
MW - 5	Manny	05/23/24	3974.27	61.68	52.60	56.59	3.99	3921.07
MW - 5	Manny	07/02/24	3974.27	-	52.72	56.62	3.90	3920.97
MW - 5	Manny	07/08/24	3974.27	-	52.70	56.43	3.73	3921.01
MW - 5	Manny	07/16/24	3974.27	-	52.64	56.63	3.99	3921.03
MW - 5	Manny	07/23/24	3974.27	-	52.80	56.54	3.74	3920.91
MW - 5	Manny	08/12/24	3974.27	-	52.79	56.15	3.36	3920.98
MW - 5	Manny	08/19/24	3974.27	-	52.68	56.58	3.90	3921.01
MW - 5	Manny	08/30/24	3974.27	61.81	52.57	56.68	4.11	3921.08
MW - 5	Manny	09/18/24	3974.27	61.81	52.76	56.56	3.80	3920.94
MW - 5	Manny	10/04/24	3974.27	-	52.80	56.64	3.84	3920.89
MW - 5	Manny	12/11/24	3974.27	61.45	52.73	56.88	4.15	3920.92
MW - 6	Manny	03/06/24	3974.72	66.27	-	53.86	0.00	3920.86
MW - 6	Manny	05/23/24	3974.72	66.18	53.86	53.93	0.07	3920.85
MW - 6	Manny	09/18/24	3974.72	66.25	53.95	54.03	0.08	3920.76
MW - 6	Manny	12/11/24	3974.72	66.99	54.11	54.12	0.01	3920.61
MW - 7	Manny	03/05/24	3974.60	-	-	53.75	0.00	3920.85
MW - 7	Manny	05/22/24	3974.60	-	-	53.80	0.00	3920.80
MW - 7	Manny	09/18/24	3974.60	-	-	53.89	0.00	3920.71
MW - 7	Manny	12/11/24	3974.60	64.71	-	53.99	0.00	3920.61
MW - 9	Manny	03/06/24	3975.06	67.20	53.76	54.57	0.81	3921.18
MW - 9	Manny	05/23/24	3975.06	67.19	53.83	54.39	0.56	3921.15
MW - 9	Manny	08/06/24	3975.06	67.19	53.97	54.59	0.62	3921.00
MW - 9	Manny	09/18/24	3975.06	67.22	54.05	54.16	0.11	3920.99
MW - 9	Manny	10/24/24	3975.06	67.22	54.01	54.31	0.30	3921.01
MW - 9	Manny	12/11/24	3975.06	67.40	54.02	54.21	0.19	3921.01
MW - 10	Manny	03/05/24	3975.02	62.88	-	53.73	0.00	3921.29
MW - 10	Manny	05/23/24	3975.02	62.86	-	53.75	0.00	3921.27
MW - 10	Manny	09/18/24	3975.02	62.92	-	53.86	0.00	3921.16
MW - 10	Manny	12/11/24	3975.02	63.79	-	53.88	0.00	3921.14
MW - 11	Manny	03/05/24	3975.30	-	-	54.47	0.00	3920.83
MW - 11	Manny	05/22/24	3975.30	-	-	54.51	0.00	3920.79
MW - 11	Manny	09/18/24	3975.30	-	-	54.61	0.00	3920.69
MW - 11	Manny	12/11/24	3975.30	63.99	-	54.62	0.00	3920.68
MW - 12	Manny	03/05/24	3974.55	-	-	53.42	0.00	3921.13
MW - 12	Manny	05/22/24	3974.55	-	-	53.47	0.00	3921.08

TABLE 1

2024 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 12	Manny	09/18/24	3974.55	-	-	53.55	0.00	3921.00
MW - 12	Manny	12/11/24	3974.55	63.76	-	53.54	0.00	3921.01
MW - 13	Manny	03/06/24	3975.00	63.57	-	54.43	0.00	3920.57
MW - 13	Manny	05/23/24	3975.00	63.43	-	54.46	0.00	3920.54
MW - 13	Manny	09/18/24	3975.00	63.59	-	54.56	0.00	3920.44
MW - 13	Manny	12/11/24	3975.00	63.64	-	54.61	0.00	3920.39
MW - 14	Manny	03/06/24	3976.15	63.86	-	55.13	0.00	3921.02
MW - 14	Manny	05/23/24	3976.15	63.92	-	55.15	0.00	3921.00
MW - 14	Manny	09/18/24	3976.15	63.88	-	55.24	0.00	3920.91
MW - 14	Manny	12/11/24	3976.15	62.95	-	55.24	0.00	3920.91
MW - 15	Manny	03/06/24	3974.69	62.24	-	53.92	0.00	3920.77
MW - 15	Manny	05/23/24	3974.69	62.19	-	53.98	0.00	3920.71
MW - 15	Manny	09/18/24	3974.69	62.27	-	54.10	0.00	3920.59
MW - 15	Manny	12/11/24	3974.69	62.31	-	54.12	0.00	3920.57
MW - 16	Manny	03/05/24	3975.12	-	-	53.99	0.00	3921.13
MW - 16	Manny	05/22/24	3975.12	-	-	54.03	0.00	3921.09
MW - 16	Manny	09/18/24	3975.12	-	-	54.11	0.00	3921.01
MW - 16	Manny	12/11/24	3975.12	57.62	-	54.12	0.00	3921.00
MW - 18	Manny	03/06/24	-	68.40	-	55.13	0.00	-
MW - 18	Manny	05/23/24	-	68.31	-	55.18	0.00	-
MW - 18	Manny	09/18/24	-	68.32	-	52.28	0.00	-
MW - 18	Manny	12/11/24	-	64.87	-	55.29	0.00	-
RW - 1	Manny	03/06/24	3970.79	-	48.85	52.80	3.95	3921.35
RW - 1	Manny	05/23/24	3970.79	-	48.88	52.80	3.92	3921.32
RW - 1	Manny	09/18/24	3970.79	-	49.05	49.15	0.10	3921.73
RW - 1	Manny	12/11/24	3970.79	57.62	48.91	52.87	3.96	3921.29
RW - 2	Manny	03/06/24	-	-	53.60	56.59	2.99	-
RW - 2	Manny	04/24/24	-	-	53.20	54.26	1.06	-
RW - 2	Manny	05/23/24	-	-	53.62	56.72	3.10	-
RW - 2	Manny	09/18/24	-	-	53.70	56.95	3.25	-
RW - 2	Manny	12/11/24	-	68.25	53.17	57.05	3.88	-
RW - 3	Manny	03/06/24	-	-	54.01	57.65	3.64	-
RW - 3	Manny	05/23/24	-	-	54.03	57.81	3.78	-
RW - 3	Manny	09/18/24	-	-	54.09	58.05	3.96	-
RW - 3	Manny	12/11/24	-	69.42	54.12	58.21	4.09	-
RW - 4	Manny	03/06/24	-	-	54.00	57.87	3.87	-
RW - 4	Manny	05/23/24	-	-	54.02	58.03	4.01	-
RW - 4	Manny	09/18/24	-	-	54.08	58.23	4.15	-
RW - 4	Manny	12/11/24	-	68.72	54.18	58.92	4.74	-

Notes:

1. BTOC = Below Top-of-Casing.
2. '-' = No gauging data collected on corresponding date.
3. P&A = Plugged and Abandoned
4. Elevations of the potentiometric surface were calculated using a PSH specific gravity of 0.85 gram/cubic centimeter (g/cc).

TABLE 2

2024 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 2	03/06/24	PSH	-	-	-
MW - 2	05/23/24	PSH	-	-	-
MW - 2	09/18/24	PSH	-	-	-
MW - 2	12/12/24	PSH	-	-	-
MW - 3	03/06/24	PSH	-	-	-
MW - 3	05/23/24	PSH	-	-	-
MW - 3	09/18/24	PSH	-	-	-
MW - 3	12/12/24	PSH	-	-	-
MW - 4	03/06/24	PSH	-	-	-
MW - 4	05/23/24	PSH	-	-	-
MW - 4	09/18/24	PSH	-	-	-
MW - 4	12/12/24	PSH	-	-	-
MW - 5	03/06/24	10.9	4.45	0.868	2.295
MW - 5	05/23/24	5.71	2.50	0.587	1.512
MW - 5	09/19/24	9.48	6.49	1.36	3.488
MW - 5	12/12/24	10.5	5.31	1.39	3.932
MW - 6	03/06/24	2.05	<0.00100	0.00328	<0.00200
MW - 6	05/23/24	3.31	0.00980	0.0104	0.02494
MW - 6	09/19/24	1.76	0.00152	0.00169	0.00338
MW - 6	12/12/24	1.63	<0.00100	0.00192	0.00340
MW - 7	03/06/24	NS	-	-	-
MW - 7	05/23/24	NS	-	-	-
MW - 7	09/18/24	NS	-	-	-
MW - 7	12/13/24	<0.00100	<0.00100	0.00119	<0.00200
MW - 9	03/06/24	0.00746	0.00561	0.154	0.651
MW - 9	05/23/24	0.0159	0.0158	0.178	0.661
MW - 9	09/19/24	0.0907	0.0105	0.989	0.579
MW - 9	12/12/24	0.0104	0.00666	0.103	0.407
MW - 10	03/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	05/23/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	09/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	12/12/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 11	03/06/24	NS	-	-	-
MW - 11	05/23/24	NS	-	-	-
MW - 11	09/18/24	NS	-	-	-
MW - 11	12/13/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	03/06/24	NS	-	-	-
MW - 12	05/23/24	NS	-	-	-

TABLE 2

2024 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 12	09/18/24	NS	-	-	-
MW - 12	12/13/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	03/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	05/23/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	09/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	12/13/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	03/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	05/23/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	09/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	12/12/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	03/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	05/23/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	09/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	12/12/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 16	03/06/24	NS	-	-	-
MW - 16	05/23/24	NS	-	-	-
MW - 16	09/18/24	NS	-	-	-
MW - 16	12/13/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	03/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	05/23/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	09/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	12/13/24	<0.00100	<0.00100	<0.00100	<0.00200
RW - 1	03/06/24	PSH	-	-	-
RW - 1	05/23/24	PSH	-	-	-
RW - 1	09/18/24	PSH	-	-	-
RW - 1	12/12/24	PSH	-	-	-
RW - 2	03/06/24	PSH	-	-	-
RW - 2	05/23/24	PSH	-	-	-
RW - 2	09/18/24	PSH	-	-	-
RW - 2	12/12/24	PSH	-	-	-
RW - 3	03/06/24	PSH	-	-	-
RW - 3	05/23/24	PSH	-	-	-
RW - 3	09/18/24	PSH	-	-	-
RW - 3	12/12/24	PSH	-	-	-
RW - 4	03/06/24	PSH	-	-	-
RW - 4	05/23/24	PSH	-	-	-
RW - 4	09/18/24	PSH	-	-	-
RW - 4	12/12/24	PSH	-	-	-

TABLE 2

2024 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62

Notes:

1. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analysis by Environmental Protection Agency (EPA) Method SW846-8021B.
2. All reported concentrations are reported as milligrams per liter (mg/L).
3. Bold font indicates laboratory results exceeding NMWQCC Human Health Standards.
4. < - Not detected above the Sample Detection Limit.
5. NS - Not sampled.
6. ' - No data available for corresponding date.
7. PSH - Phase Separated Hydrocarbons.
8. P&A - Plugged and abandoned.

TABLE 3

2024 POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
MW-2	12/11/24	PSH																		
MW-3	12/11/24	PSH																		
MW-4	12/11/24	PSH																		
MW-5	12/11/24	PSH																		
MW-6	12/11/24	PSH																		
MW-7	12/11/24	NS																		
MW-9	12/11/24	PSH																		
MW-10	12/11/24	NS																		
MW-11	12/11/24	NS																		
MW-12	12/11/24	NS																		
MW-13	12/11/24	NS																		
MW-14	12/11/24	NS																		
MW-15	12/11/24	NS																		
MW-16	12/11/24	NS																		
MW-18	12/11/24	NS																		
RW-1	12/11/24	PSH																		
RW-2	12/11/24	PSH																		
RW-3	12/11/24	PSH																		
RW-4	12/11/24	PSH																		

Notes:

1. Polynuclear Aromatic Hydrocarbon (PAH) analysis by Environmental Protection Agency (EPA) Method SW846-8270C, 3510.
2. All reported concentrations are reported as milligrams per liter (mg/L).
3. Bold font indicates laboratory results exceeding NMWQCC Drinking Water Standards.
4. < - Not detected above the Sample Detection Limit.
5. NS - Not sampled.
6. PSH - Phase Separated Hydrocarbons.
7. P&A - Plugged and abandoned.

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 1		03/02/00	3974.18	-	-	53.01	0.00	3921.17
MW - 1		04/25/00	3974.18	-	-	53.02	0.00	3921.16
MW - 1		09/06/00	3974.18	-	-	53.07	0.00	3921.11
MW - 1		11/28/00	3974.18	-	-	53.08	0.00	3921.10
MW - 1		02/21/01	3974.18	-	-	52.98	0.00	3921.20
MW - 1		05/31/01	3974.18	-	-	52.94	0.00	3921.24
MW - 1		08/23/01	3974.18	-	-	52.95	0.00	3921.23
MW - 1		11/21/01	3974.18	-	-	52.99	0.00	3921.19
MW - 1		02/13/02	3974.18	-	-	53.04	0.00	3921.14
MW - 1		06/12/02	3974.18	-	-	52.99	0.00	3921.19
MW - 1		08/26/02	3974.18	-	-	53.02	0.00	3921.16
MW - 1		11/21/02	3974.18	-	-	53.07	0.00	3921.11
MW - 1		02/05/03	3974.18	-	-	53.00	0.00	3921.18
MW - 1		05/07/03	3974.18	-	-	52.96	0.00	3921.22
MW - 1		08/18/03	3974.18	-	-	53.01	0.00	3921.17
MW - 1		12/01/03	3974.18	-	-	53.07	0.00	3921.11
MW - 1		02/05/04	3974.18	-	-	53.07	0.00	3921.11
MW - 1		05/05/04	3974.18	-	-	53.50	0.00	3920.68
MW - 1		09/01/04	3974.18	-	-	53.11	0.00	3921.07
MW - 1		12/15/04	3974.18	-	-	53.09	0.00	3921.09
MW - 1		03/22/05	3974.18	-	-	52.80	0.00	3921.38
MW - 1		06/22/05	3974.18	-	-	52.75	0.00	3921.43
MW - 1		09/14/05	P&A	-	-	-	-	-
MW - 2		03/02/00	3974.62	-	52.49	55.38	2.89	3921.70
MW - 2		04/25/00	3974.62	-	52.59	55.42	2.83	3921.61
MW - 2		09/05/00	3974.62	-	52.58	55.71	3.13	3921.57
MW - 2		12/01/00	3974.62	-	52.75	55.23	2.48	3921.50
MW - 2		02/21/01	3974.62	-	52.52	55.75	3.23	3921.62
MW - 2		05/31/01	3974.62	-	52.77	54.75	1.98	3921.55
MW - 2		08/23/01	3974.62	-	52.40	55.83	3.43	3921.71
MW - 2		11/21/01	3974.62	-	53.02	54.21	1.19	3921.42
MW - 2		02/13/02	3974.62	-	52.48	56.14	3.66	3921.59
MW - 2		06/12/02	3974.62	-	52.44	56.11	3.67	3921.63
MW - 2		08/26/02	3974.62	-	-	-	-	-
MW - 2		11/08/02	3974.62	-	52.59	55.99	3.40	3921.52
MW - 2		11/21/02	3974.62	-	53.13	53.54	0.41	3921.43
MW - 2		12/27/02	3974.62	-	52.64	55.65	3.01	3921.53
MW - 2		01/06/03	3974.62	-	52.80	54.81	2.01	3921.52
MW - 2		01/08/03	3974.62	-	52.95	54.14	1.19	3921.49
MW - 2		01/10/03	3974.62	-	53.15	53.32	0.17	3921.44
MW - 2		01/13/03	3974.62	-	53.14	53.32	0.18	3921.45
MW - 2		02/05/03	3974.62	-	52.70	55.28	2.58	3921.53
MW - 2		02/26/03	3974.62	-	52.57	55.74	3.17	3921.57
MW - 2		03/04/03	3974.62	-	52.58	55.75	3.17	3921.56
MW - 2		03/12/03	3974.62	-	52.60	55.79	3.19	3921.54
MW - 2		03/18/03	3974.62	-	52.61	55.71	3.10	3921.55
MW - 2		03/25/03	3974.62	-	52.60	55.77	3.17	3921.54
MW - 2		03/31/03	3974.62	-	52.59	55.71	3.12	3921.56
MW - 2		04/09/03	3974.62	-	52.60	53.13	0.53	3921.94
MW - 2		04/14/03	3974.62	-	52.64	52.89	0.25	3921.94
MW - 2		05/07/03	3974.62	-	52.52	55.73	3.21	3921.62
MW - 2		05/08/03	3974.62	-	52.60	55.81	3.21	3921.54
MW - 2		05/13/03	3974.62	-	52.61	55.79	3.18	3921.53
MW - 2		05/21/03	3974.62	-	52.62	55.83	3.21	3921.52
MW - 2		05/27/03	3974.62	-	52.57	55.71	3.14	3921.58
MW - 2		05/28/03	3974.62	-	52.63	55.83	3.20	3921.51
MW - 2		06/03/03	3974.62	-	52.76	55.81	3.05	3921.40
MW - 2		06/09/03	3974.62	-	52.62	55.79	3.17	3921.52
MW - 2		07/01/03	3974.62	-	52.80	53.81	1.01	3921.67
MW - 2		07/08/03	3974.62	-	52.69	55.92	3.23	3921.45
MW - 2		07/29/03	3974.62	-	52.57	55.72	3.15	3921.58
MW - 2		08/04/03	3974.62	-	52.76	55.91	3.15	3921.39
MW - 2		08/18/03	3974.62	-	52.85	54.18	1.33	3921.57
MW - 2		08/25/03	3974.62	-	52.86	56.04	3.18	3921.28
MW - 2		10/01/03	3974.62	-	52.76	52.99	0.23	3921.83
MW - 2		10/06/03	3974.62	-	52.63	55.69	3.06	3921.53
MW - 2		10/08/03	3974.62	-	52.95	56.07	3.12	3921.20
MW - 2		10/15/03	3974.62	-	52.93	56.08	3.15	3921.22
MW - 2		11/12/03	3974.62	-	53.04	54.18	1.14	3921.41
MW - 2		11/19/03	3974.62	-	53.03	56.18	3.15	3921.12
MW - 2		12/01/03	3974.62	-	53.08	56.21	3.13	3921.07

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2		12/10/03	3974.62	-	52.74	55.82	3.08	3921.42
MW - 2		02/05/04	3974.62	-	53.09	56.18	3.09	3921.07
MW - 2		02/17/04	3974.62	-	52.78	53.51	0.73	3921.73
MW - 2		02/25/04	3974.62	-	53.06	56.03	2.97	3921.11
MW - 2		03/09/04	3974.62	-	52.83	55.87	3.04	3921.33
MW - 2		03/16/04	3974.62	-	52.85	55.80	2.95	3921.33
MW - 2		03/22/04	3974.62	-	53.32	54.00	0.68	3921.20
MW - 2		04/07/04	3974.62	-	52.88	53.14	0.26	3921.70
MW - 2		04/12/04	3974.62	-	53.21	56.03	2.82	3920.99
MW - 2		04/19/04	3974.62	-	52.88	53.98	1.10	3921.58
MW - 2		05/05/04	3974.62	-	52.88	55.83	2.95	3921.30
MW - 2		05/11/04	3974.62	-	52.98	55.95	2.97	3921.19
MW - 2		06/07/04	3974.62	-	52.63	55.49	2.86	3921.56
MW - 2		06/15/04	3974.62	-	-	52.57	0.00	3922.05
MW - 2		06/20/04	3974.62	-	52.57	-	-	-
MW - 2		06/21/04	3974.62	-	52.58	-	-	-
MW - 2		06/28/04	3974.62	-	52.58	-	-	-
MW - 2		07/08/04	3974.62	-	52.58	-	-	-
MW - 2		07/12/04	3974.62	-	52.59	-	-	-
MW - 2		08/12/04	3974.62	-	52.59	-	-	-
MW - 2		08/17/04	3974.62	-	52.63	-	-	-
MW - 2		08/26/04	3974.62	-	52.62	-	-	-
MW - 2		09/01/04	3974.62	-	53.86	54.75	0.89	3920.63
MW - 2		09/03/04	3974.62	-	53.86	54.75	0.89	3920.63
MW - 2		09/08/04	3974.62	-	53.92	54.75	0.83	3920.58
MW - 2		09/14/04	3974.62	-	52.90	54.75	1.85	3921.44
MW - 2		09/22/04	3974.62	-	53.01	54.75	1.74	3921.35
MW - 2		10/01/04	3974.62	-	52.88	54.90	2.02	3921.44
MW - 2		10/08/04	3974.62	-	52.94	55.10	2.16	3921.36
MW - 2		10/15/04	3974.62	-	53.10	55.10	2.00	3921.22
MW - 2		10/22/04	3974.62	-	52.73	55.15	2.42	3921.53
MW - 2		11/12/04	3974.62	-	52.68	55.65	2.97	3921.49
MW - 2		11/26/04	3974.62	-	52.70	54.60	1.90	3921.64
MW - 2		12/02/04	3974.62	-	52.72	55.50	2.78	3921.48
MW - 2		12/06/04	3974.62	-	52.99	55.31	2.32	3921.28
MW - 2		12/13/04	3974.62	-	52.80	54.70	1.90	3921.54
MW - 2		12/15/04	3974.62	-	52.80	54.70	1.90	3921.54
MW - 2		12/27/04	3974.62	-	52.80	55.20	2.40	3921.46
MW - 2		01/10/05	3974.62	-	52.57	55.40	2.83	3921.63
MW - 2		01/18/05	3974.62	-	52.63	55.17	2.54	3921.61
MW - 2		01/18/05	3974.62	-	52.78	54.33	1.55	3921.61
MW - 2		01/25/05	3974.62	-	52.51	55.35	2.84	3921.68
MW - 2		01/27/05	3974.62	-	52.55	55.22	2.67	3921.67
MW - 2		02/01/05	3974.62	-	52.52	55.55	3.03	3921.65
MW - 2		02/07/05	3974.62	-	52.50	55.34	2.84	3921.69
MW - 2		02/11/05	3974.62	-	52.50	55.23	2.73	3921.71
MW - 2		02/15/05	3974.62	-	52.49	55.25	2.76	3921.72
MW - 2		02/22/05	3974.62	-	52.46	55.44	2.98	3921.71
MW - 2		02/24/05	3974.62	-	52.43	55.50	3.07	3921.73
MW - 2		03/03/05	3974.62	-	52.43	55.41	2.98	3921.74
MW - 2		03/09/05	3974.62	-	52.43	55.35	2.92	3921.75
MW - 2		03/22/05	3974.62	-	53.03	53.13	0.10	3921.58
MW - 2		03/24/05	3974.62	-	53.03	53.13	0.10	3921.58
MW - 2		03/31/05	3974.62	-	53.05	53.12	0.07	3921.56
MW - 2		06/22/05	3974.62	-	52.86	53.38	0.52	3921.68
MW - 2		07/21/05	3974.62	-	52.73	53.24	0.51	3921.81
MW - 2		08/03/05	3974.62	-	52.45	54.54	2.09	3921.86
MW - 2		08/12/05	3974.62	-	52.42	54.58	2.16	3921.88
MW - 2		08/15/05	3974.62	-	52.48	54.40	1.92	3921.85
MW - 2		08/22/05	3974.62	-	52.41	54.50	2.09	3921.90
MW - 2		08/30/05	3974.62	-	52.40	54.64	2.24	3921.88
MW - 2		09/07/05	3974.62	-	52.38	54.62	2.24	3921.90
MW - 2		09/14/05	3974.62	-	52.32	54.63	2.31	3921.95
MW - 2		09/20/05	3974.62	-	52.39	54.48	2.09	3921.92
MW - 2		09/21/05	3974.62	-	52.36	54.61	2.25	3921.92
MW - 2		09/28/05	3974.62	-	52.38	54.60	2.22	3921.91
MW - 2		10/06/05	3974.62	-	52.32	54.85	2.53	3921.92
MW - 2		10/13/05	3974.62	-	52.32	54.85	2.53	3921.92
MW - 2		10/20/05	3974.62	-	52.32	54.84	2.52	3921.92
MW - 2		10/26/05	3974.62	-	52.33	54.83	2.50	3921.92
MW - 2		11/03/05	3974.62	-	52.28	54.80	2.52	3921.96
MW - 2		11/10/05	3974.62	-	52.29	54.79	2.50	3921.96

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2		11/16/05	3974.62	-	52.31	54.79	2.48	3921.94
MW - 2		11/23/05	3974.62	-	52.33	54.75	2.42	3921.93
MW - 2		11/28/05	3974.62	-	52.27	54.83	2.56	3921.97
MW - 2		12/05/05	3974.62	-	52.30	54.72	2.42	3921.96
MW - 2		12/12/05	3974.62	-	52.29	54.70	2.41	3921.97
MW - 2		12/16/05	3974.62	-	53.01	53.84	0.83	3921.49
MW - 2		12/19/05	3974.62	-	52.35	54.76	2.41	3921.91
MW - 2		12/29/05	3974.62	-	52.26	54.82	2.56	3921.98
MW - 2		01/04/06	3974.62	-	52.30	54.80	2.50	3921.95
MW - 2		01/10/06	3974.62	-	52.29	54.80	2.51	3921.95
MW - 2		01/17/06	3974.62	-	52.29	54.78	2.49	3921.96
MW - 2		01/26/06	3974.62	-	52.26	54.78	2.52	3921.98
MW - 2		01/31/06	3974.62	-	52.28	54.74	2.46	3921.97
MW - 2		02/07/06	3974.62	-	52.27	54.73	2.46	3921.98
MW - 2		02/09/06	3974.62	-	52.34	54.57	2.23	3921.95
MW - 2		02/13/06	3974.62	-	52.28	54.60	2.32	3921.99
MW - 2		02/22/06	3974.62	-	52.27	54.73	2.46	3921.98
MW - 2		02/28/06	3974.62	-	52.29	54.70	2.41	3921.97
MW - 2		03/07/06	3974.62	-	52.27	54.68	2.41	3921.99
MW - 2		03/15/06	3974.62	-	52.24	54.70	2.46	3922.01
MW - 2		03/20/06	3974.62	-	52.22	54.64	2.42	3922.04
MW - 2		03/22/06	3974.62	-	52.60	53.40	0.80	3921.90
MW - 2		03/29/06	3974.62	-	52.24	54.57	2.33	3922.03
MW - 2		04/11/06	3974.62	-	52.21	54.59	2.38	3922.05
MW - 2		04/18/06	3974.62	-	52.22	54.60	2.38	3922.04
MW - 2		04/25/06	3974.62	-	52.29	54.63	2.34	3921.98
MW - 2		05/02/06	3974.62	-	52.22	53.98	1.76	3922.14
MW - 2		05/09/06	3974.62	-	52.21	54.43	2.22	3922.08
MW - 2		05/16/06	3974.62	-	52.22	54.61	2.39	3922.04
MW - 2		05/23/06	3974.62	-	52.23	54.59	2.36	3922.04
MW - 2		05/31/06	3974.62	-	52.21	54.58	2.37	3922.05
MW - 2		06/06/06	3974.62	-	52.22	54.54	2.32	3922.05
MW - 2		06/13/06	3974.62	-	52.22	54.54	2.32	3922.05
MW - 2		06/20/06	3974.62	-	52.21	54.51	2.30	3922.07
MW - 2		06/21/06	3974.62	-	52.36	53.85	1.49	3922.04
MW - 2		07/06/06	3974.62	-	52.20	54.53	2.33	3922.07
MW - 2		07/12/06	3974.62	-	52.25	54.31	2.06	3922.06
MW - 2		07/20/06	3974.62	-	52.29	53.18	0.89	3922.20
MW - 2		07/25/06	3974.62	-	52.25	54.28	2.03	3922.07
MW - 2		08/01/06	3974.62	-	52.26	54.31	2.05	3922.05
MW - 2		08/16/06	3974.62	-	52.26	54.32	2.06	3922.05
MW - 2		08/23/06	3974.62	-	52.27	53.26	0.99	3922.20
MW - 2		08/28/06	3974.62	-	52.28	54.24	1.96	3922.05
MW - 2		09/12/06	3974.62	-	52.25	54.27	2.02	3922.07
MW - 2		09/22/06	3974.62	-	52.27	54.27	2.00	3922.05
MW - 2		09/27/06	3974.62	-	52.27	54.20	1.93	3922.06
MW - 2		10/06/06	3974.62	-	52.25	54.29	2.04	3922.06
MW - 2		10/10/06	3974.62	-	52.69	54.19	1.50	3921.71
MW - 2		10/16/06	3974.62	-	52.28	54.25	1.97	3922.04
MW - 2		10/26/06	3974.62	-	52.27	54.25	1.98	3922.05
MW - 2		11/03/06	3974.62	-	52.27	54.24	1.97	3922.05
MW - 2		11/09/06	3974.62	-	52.28	54.14	1.86	3922.06
MW - 2		11/16/06	3974.62	-	52.26	54.18	1.92	3922.07
MW - 2		11/22/06	3974.62	-	52.25	54.18	1.93	3922.08
MW - 2		12/04/06	3974.62	-	52.25	54.15	1.90	3922.09
MW - 2		12/08/06	3974.62	-	52.25	54.19	1.94	3922.08
MW - 2		12/15/06	3974.62	-	52.16	54.37	2.21	3922.13
MW - 2		01/05/07	3974.62	-	52.20	54.43	2.23	3922.09
MW - 2		01/12/07	3974.62	-	52.19	54.37	2.18	3922.10
MW - 2		01/18/07	3974.62	-	52.17	54.37	2.20	3922.12
MW - 2		01/24/07	3974.62	-	52.20	54.35	2.15	3922.10
MW - 2		01/29/07	3974.62	-	52.17	54.28	2.11	3922.13
MW - 2		02/09/07	3974.62	-	52.17	54.31	2.14	3922.13
MW - 2		02/16/07	3974.62	-	52.18	54.34	2.16	3922.12
MW - 2		02/23/07	3974.62	-	52.15	54.25	2.10	3922.16
MW - 2		03/02/07	3974.62	-	52.16	54.30	2.14	3922.14
MW - 2		03/14/07	3974.62	-	52.20	53.88	1.68	3922.17
MW - 2		03/26/07	3974.62	-	52.19	54.13	1.94	3922.14
MW - 2		04/03/07	3974.62	-	52.15	54.22	2.07	3922.16
MW - 2		04/09/07	3974.62	-	52.14	54.20	2.06	3922.17
MW - 2		04/26/07	3974.62	-	52.15	54.21	2.06	3922.16
MW - 2		04/30/07	3974.62	-	52.16	54.13	1.97	3922.16

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2		05/11/07	3974.62	-	52.15	54.16	2.01	3922.17
MW - 2		05/16/07	3974.62	-	52.16	54.13	1.97	3922.16
MW - 2		05/22/07	3974.62	-	52.15	54.12	1.97	3922.17
MW - 2		05/29/07	3974.62	-	52.13	54.12	1.99	3922.19
MW - 2		06/01/07	3974.62	-	52.12	54.14	2.02	3922.20
MW - 2		06/08/07	3974.62	-	52.14	54.12	1.98	3922.18
MW - 2		06/11/07	3974.62	-	52.16	54.00	1.84	3922.18
MW - 2		06/20/07	3974.62	-	52.15	54.10	1.95	3922.18
MW - 2		07/10/07	3974.62	-	52.13	54.08	1.95	3922.20
MW - 2		07/20/07	3974.62	-	52.14	54.06	1.92	3922.19
MW - 2		07/25/07	3974.62	-	52.14	54.02	1.88	3922.20
MW - 2		08/01/07	3974.62	-	52.11	54.01	1.90	3922.23
MW - 2		08/10/07	3974.62	-	52.15	54.02	1.87	3922.19
MW - 2		08/15/07	3974.62	-	52.14	54.00	1.86	3922.20
MW - 2		08/30/07	3974.62	-	52.15	54.00	1.85	3922.19
MW - 2		08/31/07	3974.62	-	52.15	54.00	1.85	3922.19
MW - 2		09/10/07	3974.62	-	52.14	53.98	1.84	3922.20
MW - 2		09/19/07	3974.62	-	52.12	53.98	1.86	3922.22
MW - 2		09/27/07	3974.62	-	52.11	53.94	1.83	3922.24
MW - 2		10/01/07	3974.62	-	52.14	53.88	1.74	3922.22
MW - 2		10/19/07	3974.62	-	52.10	53.96	1.86	3922.24
MW - 2		10/26/07	3974.62	-	52.10	53.91	1.81	3922.25
MW - 2		11/12/07	3974.62	-	52.12	53.89	1.77	3922.23
MW - 2		11/16/07	3974.62	-	52.10	53.88	1.78	3922.25
MW - 2		11/29/07	3974.62	-	52.10	53.89	1.79	3922.25
MW - 2		12/13/07	3974.62	-	52.10	53.86	1.76	3922.26
MW - 2		01/10/08	3974.62	-	52.08	53.79	1.71	3922.28
MW - 2		01/17/08	3974.62	-	52.10	53.79	1.69	3922.27
MW - 2		01/22/08	3974.62	-	52.08	53.74	1.66	3922.29
MW - 2		02/06/08	3974.62	-	52.10	53.71	1.61	3922.28
MW - 2		02/06/08	3974.62	-	52.32	52.79	0.47	3922.23
MW - 2		02/12/08	3974.62	-	52.11	53.72	1.61	3922.27
MW - 2		02/12/08	3974.62	-	52.34	52.68	0.34	3922.23
MW - 2		02/20/08	3974.62	-	52.11	53.70	1.59	3922.27
MW - 2		02/20/08	3974.62	-	52.30	52.78	0.48	3922.25
MW - 2		02/27/08	3974.62	-	52.11	53.67	1.56	3922.28
MW - 2		02/27/08	3974.62	-	52.28	52.87	0.59	3922.25
MW - 2		03/07/08	3974.62	-	52.10	53.66	1.56	3922.29
MW - 2		03/12/08	3974.62	-	52.10	53.66	1.56	3922.29
MW - 2		03/12/08	3974.62	-	52.29	52.30	0.01	3922.33
MW - 2		03/20/08	3974.62	-	52.10	53.65	1.55	3922.29
MW - 2		03/20/08	3974.62	-	52.29	52.76	0.47	3922.26
MW - 2		03/23/08	3974.62	-	52.09	53.64	1.55	3922.30
MW - 2		03/23/08	3974.62	-	52.30	52.31	0.01	3922.32
MW - 2		04/02/08	3974.62	-	52.09	53.60	1.51	3922.30
MW - 2		04/02/08	3974.62	-	52.23	52.89	0.66	3922.29
MW - 2		04/09/08	3974.62	-	52.09	53.59	1.50	3922.31
MW - 2		04/09/08	3974.62	-	52.23	52.92	0.69	3922.29
MW - 2		04/16/08	3974.62	-	52.06	53.57	1.51	3922.33
MW - 2		04/23/08	3974.62	-	52.08	53.57	1.49	3922.32
MW - 2		04/30/08	3974.62	-	52.08	53.55	1.47	3922.32
MW - 2		05/29/08	3974.62	-	52.07	53.50	1.43	3922.34
MW - 2		06/02/08	3974.62	-	52.07	53.45	1.38	3922.34
MW - 2		06/03/08	3974.62	-	52.07	53.45	1.38	3922.34
MW - 2		06/11/08	3974.62	-	52.07	53.52	1.45	3922.33
MW - 2		06/18/08	3974.62	-	52.07	53.52	1.45	3922.33
MW - 2		06/23/08	3974.62	-	52.08	53.48	1.40	3922.33
MW - 2		07/01/08	3974.62	-	52.09	53.51	1.42	3922.32
MW - 2		07/09/08	3974.62	-	52.09	53.51	1.42	3922.32
MW - 2		07/15/08	3974.62	-	52.08	53.45	1.37	3922.33
MW - 2		07/22/08	3974.62	-	52.08	53.48	1.40	3922.33
MW - 2		08/02/08	3974.62	-	52.08	53.38	1.30	3922.35
MW - 2		08/13/08	3974.62	-	52.08	53.46	1.38	3922.33
MW - 2		09/03/08	3974.62	-	52.04	53.44	1.40	3922.37
MW - 2		09/11/08	3974.62	-	52.07	53.45	1.38	3922.34
MW - 2		09/19/08	3974.62	-	52.05	53.41	1.36	3922.37
MW - 2		09/26/08	3974.62	-	52.06	53.41	1.35	3922.36
MW - 2		10/10/08	3974.62	-	52.06	53.41	1.35	3922.36
MW - 2		10/17/08	3974.62	-	52.08	53.37	1.29	3922.35
MW - 2		10/21/08	3974.62	-	52.17	53.35	1.18	3922.27
MW - 2		10/30/08	3974.62	-	52.05	53.36	1.31	3922.37
MW - 2		11/04/08	3974.62	-	52.08	53.36	1.28	3922.35

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2		11/18/08	3974.62	-	52.08	53.36	1.28	3922.35
MW - 2		11/25/08	3974.62	-	52.08	53.35	1.27	3922.35
MW - 2		11/25/08	3974.62	-	52.71	52.72	0.01	3921.91
MW - 2		12/10/08	3974.62	-	52.09	53.44	1.35	3922.33
MW - 2		12/18/08	3974.62	-	52.05	53.34	1.29	3922.38
MW - 2		01/06/09	3974.62	-	52.05	53.39	1.34	3922.37
MW - 2		01/14/09	3974.62	-	52.19	53.35	1.16	3922.26
MW - 2		01/21/09	3974.62	-	52.25	53.11	0.86	3922.24
MW - 2		01/22/09	3974.62	-	52.03	53.33	1.30	3922.40
MW - 2		01/30/09	3974.62	-	52.05	53.30	1.25	3922.38
MW - 2		02/03/09	3974.62	-	52.06	53.27	1.21	3922.38
MW - 2		02/12/09	3974.62	-	52.06	53.28	1.22	3922.38
MW - 2		02/19/09	3974.62	-	52.05	53.26	1.21	3922.39
MW - 2		03/04/09	3974.62	-	52.10	53.23	1.13	3922.35
MW - 2		03/06/09	3974.62	-	52.05	53.26	1.21	3922.39
MW - 2		03/11/09	3974.62	-	52.08	53.24	1.16	3922.37
MW - 2		03/16/09	3974.62	-	52.13	53.25	1.12	3922.32
MW - 2		03/19/09	3974.62	-	52.06	53.25	1.19	3922.38
MW - 2		03/24/09	3974.62	-	52.03	53.19	1.16	3922.42
MW - 2		04/03/09	3974.62	-	52.05	53.11	1.06	3922.41
MW - 2		04/15/09	3974.62	-	52.06	53.12	1.06	3922.40
MW - 2		04/17/09	3974.62	-	52.09	52.94	0.85	3922.40
MW - 2		04/22/09	3974.62	-	52.07	53.10	1.03	3922.40
MW - 2		04/29/09	3974.62	-	52.03	53.15	1.12	3922.42
MW - 2		05/20/09	3974.62	-	52.05	53.11	1.06	3922.41
MW - 2		05/20/09	3974.62	-	52.05	53.11	1.06	3922.41
MW - 2		06/09/09	3974.62	-	52.05	53.11	1.06	3922.41
MW - 2		06/17/09	3974.62	-	52.06	53.14	1.08	3922.40
MW - 2		06/23/09	3974.62	-	52.07	53.08	1.01	3922.40
MW - 2		07/01/09	3974.62	-	52.05	53.10	1.05	3922.41
MW - 2		07/08/09	3974.62	-	52.05	53.07	1.02	3922.42
MW - 2		07/15/09	3974.62	-	52.06	53.06	1.00	3922.41
MW - 2		07/17/09	3974.62	-	52.10	53.00	0.90	3922.39
MW - 2		07/23/09	3974.62	-	52.06	53.09	1.03	3922.41
MW - 2		07/24/09	3974.62	-	52.09	52.89	0.80	3922.41
MW - 2		07/30/09	3974.62	-	52.06	53.05	0.99	3922.41
MW - 2		08/04/09	3974.62	-	52.06	53.02	0.96	3922.42
MW - 2		08/12/09	3974.62	-	52.08	53.06	0.98	3922.39
MW - 2		08/20/09	3974.62	-	52.06	53.08	1.02	3922.41
MW - 2		08/26/09	3974.62	-	52.55	53.08	0.53	3921.99
MW - 2		09/02/09	3974.62	-	52.05	53.07	1.02	3922.42
MW - 2		09/09/09	3974.62	-	52.06	53.06	1.00	3922.41
MW - 2		09/14/09	3974.62	-	52.05	53.08	1.03	3922.42
MW - 2		09/21/09	3974.62	-	52.06	52.08	0.02	3922.56
MW - 2		10/01/09	3974.62	-	52.08	53.08	1.00	3922.39
MW - 2		10/08/09	3974.62	-	52.08	53.09	1.01	3922.39
MW - 2		10/14/09	3974.62	-	52.08	53.06	0.98	3922.39
MW - 2		10/21/09	3974.62	-	52.04	53.07	1.03	3922.43
MW - 2		10/28/09	3974.62	-	52.03	53.08	1.05	3922.43
MW - 2		11/04/09	3974.62	-	52.05	53.00	0.95	3922.43
MW - 2		11/11/09	3974.62	-	52.05	52.98	0.93	3922.43
MW - 2		11/18/09	3974.62	-	52.05	53.02	0.97	3922.42
MW - 2		11/25/09	3974.62	-	52.05	53.01	0.96	3922.43
MW - 2		12/02/09	3974.62	-	52.06	53.05	0.99	3922.41
MW - 2		12/10/09	3974.62	-	52.06	53.03	0.97	3922.41
MW - 2		12/17/09	3974.62	-	52.09	53.04	0.95	3922.39
MW - 2		12/21/09	3974.62	-	52.03	52.83	0.80	3922.47
MW - 2		12/30/09	3974.62	-	52.09	52.96	0.87	3922.40
MW - 2		01/07/10	3974.62	-	52.09	52.85	0.76	3922.42
MW - 2		01/18/10	3974.62	-	52.04	52.92	0.88	3922.45
MW - 2		02/02/10	3974.62	-	52.05	52.89	0.84	3922.44
MW - 2		02/11/10	3974.62	-	52.05	52.90	0.85	3922.44
MW - 2		02/18/10	3974.62	-	52.04	52.90	0.86	3922.45
MW - 2		02/25/10	3974.62	-	52.08	52.95	0.87	3922.41
MW - 2		03/02/10	3974.62	-	52.11	52.92	0.81	3922.39
MW - 2		03/04/10	3974.62	-	52.09	52.83	0.74	3922.42
MW - 2		03/10/10	3974.62	-	52.08	52.93	0.85	3922.41
MW - 2		03/12/10	3974.62	-	52.15	52.86	0.71	3922.36
MW - 2		03/15/10	3974.62	-	52.09	52.74	0.65	3922.43
MW - 2		03/18/10	3974.62	-	52.10	52.69	0.59	3922.43
MW - 2		03/22/10	3974.62	-	52.18	52.74	0.56	3922.36
MW - 2		03/24/10	3974.62	-	52.17	52.68	0.51	3922.37

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2		03/30/10	3974.62	-	52.15	52.65	0.50	3922.40
MW - 2		04/07/10	3974.62	-	52.18	52.63	0.45	3922.37
MW - 2		04/12/10	3974.62	-	52.03	52.81	0.78	3922.47
MW - 2		04/16/10	3974.62	-	52.69	54.59	1.90	3921.65
MW - 2		04/20/10	3974.62	-	52.55	54.31	1.76	3921.81
MW - 2		04/27/10	3974.62	-	52.54	54.40	1.86	3921.80
MW - 2		04/30/10	3974.62	-	52.58	54.08	1.50	3921.82
MW - 2		05/12/10	3974.62	-	52.52	54.20	1.68	3921.85
MW - 2		05/14/10	3974.62	-	52.54	54.39	1.85	3921.80
MW - 2		05/17/10	3974.62	-	52.55	54.19	1.64	3921.82
MW - 2		05/20/10	3974.62	-	52.50	54.19	1.69	3921.87
MW - 2		05/25/10	3974.62	-	52.38	53.90	1.52	3922.01
MW - 2		06/01/10	3974.62	-	52.39	53.89	1.50	3922.01
MW - 2		06/09/10	3974.62	-	52.37	53.86	1.49	3922.03
MW - 2		06/16/10	3974.62	-	52.43	53.11	0.68	3922.09
MW - 2		06/28/10	3974.62	-	52.36	53.47	1.11	3922.09
MW - 2		07/09/10	3974.62	-	52.44	53.12	0.68	3922.08
MW - 2		07/14/10	3974.62	-	52.06	52.58	0.52	3922.48
MW - 2		07/23/10	3974.62	-	52.09	52.60	0.51	3922.45
MW - 2		07/29/10	3974.62	-	52.07	52.60	0.53	3922.47
MW - 2		08/05/10	3974.62	-	52.08	52.60	0.52	3922.46
MW - 2		08/12/10	3974.62	-	52.07	52.60	0.53	3922.47
MW - 2		08/16/10	3974.62	-	52.07	52.60	0.53	3922.47
MW - 2		08/18/10	3974.62	-	52.07	52.62	0.55	3922.47
MW - 2		08/26/10	3974.62	-	52.34	53.05	0.71	3922.17
MW - 2		09/02/10	3974.62	-	52.41	53.40	0.99	3922.06
MW - 2		09/09/10	3974.62	-	52.09	52.59	0.50	3922.46
MW - 2		09/30/10	3974.62	-	52.09	52.61	0.52	3922.45
MW - 2		10/07/10	3974.62	-	52.09	52.72	0.63	3922.44
MW - 2		10/14/10	3974.62	-	52.48	53.43	0.95	3922.00
MW - 2		10/21/10	3974.62	-	52.51	53.42	0.91	3921.97
MW - 2		11/04/10	3974.62	-	52.08	52.71	0.63	3922.45
MW - 2		11/10/10	3974.62	-	52.51	53.42	0.91	3921.97
MW - 2		12/01/10	3974.62	-	52.02	52.85	0.83	3922.48
MW - 2		12/08/10	3974.62	-	52.39	53.22	0.83	3922.11
MW - 2		01/26/11	3974.62	-	52.08	52.62	0.54	3922.46
MW - 2		02/28/11	3974.62	-	52.48	53.50	1.02	3921.99
MW - 2		03/04/11	3974.62	-	52.27	52.90	0.63	3922.26
MW - 2		03/09/11	3974.62	-	52.29	53.43	1.14	3922.16
MW - 2		04/28/11	3974.62	-	52.53	53.42	0.89	3921.96
MW - 2		05/04/11	3974.62	-	52.22	53.24	1.02	3922.25
MW - 2		05/11/11	3974.62	-	52.23	53.36	1.13	3922.22
MW - 2		05/12/11	3974.62	-	52.15	52.94	0.79	3922.35
MW - 2		05/18/11	3974.62	-	52.16	53.08	0.92	3922.32
MW - 2		05/23/11	3974.62	-	52.30	53.49	1.19	3922.14
MW - 2		06/08/11	3974.62	-	52.45	53.50	1.05	3922.01
MW - 2		06/16/11	3974.62	-	52.38	53.26	0.88	3922.11
MW - 2		06/22/11	3974.62	-	52.30	53.11	0.81	3922.20
MW - 2		06/30/11	3974.62	-	52.22	53.24	1.02	3922.25
MW - 2		07/06/11	3974.62	-	52.08	53.11	1.03	3922.39
MW - 2		07/13/11	3974.62	-	52.29	53.20	0.91	3922.19
MW - 2		07/15/11	3974.62	-	52.26	53.66	1.40	3922.15
MW - 2		07/19/11	3974.62	-	52.09	52.72	0.63	3922.44
MW - 2		07/21/11	3974.62	-	52.10	52.98	0.88	3922.39
MW - 2		07/26/11	3974.62	-	52.24	52.94	0.70	3922.28
MW - 2		07/28/11	3974.62	-	52.04	53.04	1.00	3922.43
MW - 2		08/02/11	3974.62	-	52.48	53.60	1.12	3921.97
MW - 2		08/09/11	3974.62	-	52.34	53.79	1.45	3922.06
MW - 2		08/12/11	3974.62	-	52.37	53.40	1.03	3922.10
MW - 2		08/15/11	3974.62	-	52.37	53.40	1.03	3922.10
MW - 2		08/16/11	3974.62	-	52.13	52.68	0.55	3922.41
MW - 2		08/19/11	3974.62	-	52.20	52.79	0.59	3922.33
MW - 2		08/23/11	3974.62	-	52.15	52.69	0.54	3922.39
MW - 2		08/26/11	3974.62	-	52.25	53.18	0.93	3922.23
MW - 2		08/30/11	3974.62	-	52.11	52.55	0.44	3922.44
MW - 2		09/01/11	3974.62	-	52.13	52.44	0.31	3922.44
MW - 2		09/08/11	3974.62	-	52.30	53.59	1.29	3922.13
MW - 2		09/13/11	3974.62	-	52.17	52.31	0.14	3922.43
MW - 2		09/15/11	3974.62	-	52.27	53.17	0.90	3922.22
MW - 2		09/22/11	3974.62	-	52.08	52.72	0.64	3922.44
MW - 2		10/06/11	3974.62	-	52.30	52.96	0.66	3922.22
MW - 2		10/13/11	3974.62	-	52.42	53.77	1.35	3922.00

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2		10/26/11	3974.62	-	52.27	53.48	1.21	3922.17
MW - 2		11/22/11	3974.62	-	52.32	53.20	0.88	3922.17
MW - 2		12/02/11	3974.62	-	52.08	52.74	0.66	3922.44
MW - 2		12/29/11	3974.62	-	52.07	52.70	0.63	3922.46
MW - 2		01/26/12	3974.62	-	52.24	53.48	1.24	3922.19
MW - 2		01/31/12	3974.62	-	52.33	53.92	1.59	3922.05
MW - 2		02/15/12	3974.62	-	52.10	52.68	0.58	3922.43
MW - 2		02/28/12	3974.62	-	52.09	52.83	0.74	3922.42
MW - 2		03/20/12	3974.62	-	52.35	54.08	1.73	3922.01
MW - 2		03/27/12	3974.62	-	52.14	52.95	0.81	3922.36
MW - 2		04/10/12	3974.62	-	52.39	53.30	0.91	3922.09
MW - 2		04/19/12	3974.62	-	52.14	53.02	0.88	3922.35
MW - 2		04/26/12	3974.62	-	52.09	52.63	0.54	3922.45
MW - 2		05/08/12	3974.62	-	52.09	52.63	0.54	3922.45
MW - 2		05/15/12	3974.62	-	52.09	52.73	0.64	3922.43
MW - 2		05/17/12	3974.62	-	52.08	52.74	0.66	3922.44
MW - 2		06/05/12	3974.62	-	52.12	53.02	0.90	3922.37
MW - 2		06/21/12	3974.62	-	52.12	53.14	1.02	3922.35
MW - 2		06/28/12	3974.62	-	52.11	53.19	1.08	3922.35
MW - 2		07/17/12	3974.62	-	52.12	52.93	0.81	3922.38
MW - 2		08/01/12	3974.62	-	52.20	52.85	0.65	3922.32
MW - 2		10/02/12	3974.62	-	52.22	53.20	0.98	3922.25
MW - 2		10/09/12	3974.62	-	52.14	53.72	1.58	3922.24
MW - 2		10/16/12	3974.62	-	52.19	53.12	0.93	3922.29
MW - 2		10/25/12	3974.62	-	52.18	53.24	1.06	3922.28
MW - 2		10/30/12	3974.62	-	52.18	53.24	1.06	3922.28
MW - 2		11/29/12	3974.62	-	52.22	53.76	1.54	3922.17
MW - 2		12/14/12	3974.62	-	52.19	53.43	1.24	3922.24
MW - 2		02/11/13	3974.62	-	52.19	53.15	0.96	3922.29
MW - 2		04/11/13	3974.62	-	52.39	53.90	1.51	3922.00
MW - 2		04/15/13	3974.62	-	52.62	54.49	1.87	3921.72
MW - 2		04/22/13	3974.62	-	52.21	53.03	0.82	3922.29
MW - 2		05/06/13	3974.62	-	52.22	53.12	0.90	3922.27
MW - 2		05/09/13	3974.62	-	52.22	53.16	0.94	3922.26
MW - 2		05/20/13	3974.62	-	52.22	53.20	0.98	3922.25
MW - 2		05/24/13	3974.62	-	52.34	53.68	1.34	3922.08
MW - 2		05/29/13	3974.62	-	52.21	53.18	0.97	3922.26
MW - 2		05/31/13	3974.62	-	52.31	53.61	1.30	3922.12
MW - 2		06/07/13	3974.62	-	52.64	54.51	1.87	3921.70
MW - 2		06/12/13	3974.62	-	52.56	54.57	2.01	3921.76
MW - 2		06/14/13	3974.62	-	52.63	53.92	1.29	3921.80
MW - 2		06/19/13	3974.62	-	52.63	54.46	1.83	3921.72
MW - 2		06/21/13	3974.62	-	52.74	54.13	1.39	3921.67
MW - 2		06/25/13	3974.62	-	52.22	53.15	0.93	3922.26
MW - 2		06/26/13	3974.62	-	52.40	53.72	1.32	3922.02
MW - 2		07/03/13	3974.62	-	52.62	54.30	1.68	3921.75
MW - 2		07/09/13	3974.62	-	52.73	54.09	1.36	3921.69
MW - 2		07/11/13	3974.62	-	52.71	53.98	1.27	3921.72
MW - 2		07/24/13	3974.62	-	52.54	53.77	1.23	3921.90
MW - 2		07/26/13	3974.62	-	52.45	54.29	1.84	3921.89
MW - 2		07/31/13	3974.62	-	52.20	53.86	1.66	3922.17
MW - 2		08/02/13	3974.62	-	52.48	54.04	1.56	3921.91
MW - 2		08/06/13	3974.62	-	52.23	53.82	1.59	3922.15
MW - 2		08/14/13	3974.62	-	52.23	54.04	1.81	3922.12
MW - 2		08/21/13	3974.62	-	52.48	54.61	2.13	3921.82
MW - 2		08/26/13	3974.62	-	52.50	54.25	1.75	3921.86
MW - 2		09/06/13	3974.62	-	52.41	53.65	1.24	3922.02
MW - 2		08/30/13	3974.62	-	52.25	53.72	1.47	3922.15
MW - 2		09/13/13	3974.62	-	52.35	53.37	1.02	3922.12
MW - 2		09/27/13	3974.62	-	52.35	54.18	1.83	3922.00
MW - 2		09/30/13	3974.62	-	52.33	53.79	1.46	3922.07
MW - 2		10/02/13	3974.62	-	52.55	54.25	1.70	3921.82
MW - 2		10/03/13	3974.62	-	52.48	53.27	0.79	3922.02
MW - 2		10/11/13	3974.62	-	52.29	53.32	1.03	3922.18
MW - 2		10/17/13	3974.62	-	52.31	53.39	1.08	3922.15
MW - 2		10/22/13	3974.62	-	52.29	53.40	1.11	3922.16
MW - 2		10/24/13	3974.62	-	52.43	53.60	1.17	3922.01
MW - 2		10/30/13	3974.62	-	52.37	53.76	1.39	3922.04
MW - 2		11/01/13	3974.62	-	52.33	53.33	1.00	3922.14
MW - 2		11/04/13	3974.62	-	52.32	53.41	1.09	3922.14
MW - 2		11/08/13	3974.62	-	52.67	54.50	1.83	3921.68
MW - 2		11/13/13	3974.62	-	52.30	53.45	1.15	3922.15

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2		11/15/13	3974.62	-	52.40	53.36	0.96	3922.08
MW - 2		11/18/13	3974.62	-	52.31	53.32	1.01	3922.16
MW - 2		12/12/13	3974.62	-	52.30	53.39	1.09	3922.16
MW - 2		12/16/13	3974.62	-	52.31	53.56	1.25	3922.12
MW - 2		12/18/13	3974.62	-	52.34	53.52	1.18	3922.10
MW - 2		12/23/13	3974.62	-	52.36	53.83	1.47	3922.04
MW - 2		12/30/13	3974.62	-	52.32	53.67	1.35	3922.10
MW - 2		01/01/14	3974.62	-	52.32	53.63	1.31	3922.10
MW - 2		01/06/14	3974.62	-	52.29	53.53	1.24	3922.14
MW - 2		01/15/14	3974.62	-	52.36	54.27	1.91	3921.97
MW - 2	David F.	01/17/14	3974.62	-	52.29	53.57	1.28	3922.14
MW - 2	David F.	01/20/14	3974.62	-	52.53	54.20	1.67	3921.84
MW - 2		01/22/14	3974.62	-	52.66	54.30	1.64	3921.71
MW - 2	John Flores	01/29/14	3974.62	-	52.32	53.59	1.27	3922.11
MW - 2	David/Jose	02/04/14	3974.62	-	52.58	53.67	1.09	3921.88
MW - 2		02/13/14	3974.62	-	52.29	53.68	1.39	3922.12
MW - 2	David F.	02/21/14	3974.62	-	52.58	55.18	2.60	3921.65
MW - 2	David F.	02/26/14	3974.62	-	52.57	55.13	2.56	3921.67
MW - 2	John F.	03/12/14	3974.62	-	52.33	54.38	2.05	3921.98
MW - 2	John F.	03/14/14	3974.62	-	52.28	54.35	2.07	3922.03
MW - 2	John & Jose	03/17/14	3974.62	-	52.40	54.36	1.96	3921.93
MW - 2	David F.	03/24/14	3974.62	-	51.80	53.59	1.79	3922.55
MW - 2	David & Jose	03/26/14	3974.62	-	51.82	53.73	1.91	3922.51
MW - 2	Baer	04/09/14	3974.62	-	52.28	53.47	1.19	3922.16
MW - 2	Baer	04/18/14	3974.62	-	52.29	53.53	1.24	3922.14
MW - 2	Manny & Chance	04/21/14	3974.62	-	52.33	53.37	1.04	3922.13
MW - 2	Manny & Chance	04/28/14	3974.62	-	52.30	53.54	1.24	3922.13
MW - 2	Manny & Chance	05/09/14	3974.62	-	52.38	53.91	1.53	3922.01
MW - 2	Jose	05/12/14	3974.62	-	52.55	54.06	1.51	3921.84
MW - 2	Manny & Chance	05/19/14	3974.62	-	52.36	54.14	1.78	3921.99
MW - 2		05/28/14	3974.62	-	52.37	54.21	1.84	3921.97
MW - 2		06/04/14	3974.62	-	52.29	54.19	1.90	3922.05
MW - 2	Manny	06/13/14	3974.62	-	52.36	54.25	1.89	3921.98
MW - 2	Jose	06/16/14	3974.62	-	52.35	53.39	1.04	3922.11
MW - 2	Manny	07/02/14	3974.62	-	52.36	53.67	1.31	3922.06
MW - 2	Manny	07/07/14	3974.62	-	52.34	53.70	1.36	3922.08
MW - 2	Manny	07/18/14	3974.62	-	52.47	54.42	1.95	3921.86
MW - 2	Manny & Chance	07/30/14	3974.62	-	52.33	53.93	1.60	3922.05
MW - 2	Manny	08/11/14	3974.62	-	52.34	54.03	1.69	3922.03
MW - 2	Manny & Chance	08/22/14	3974.62	-	52.39	55.65	3.26	3921.74
MW - 2	Manny & Chance	08/23/14	3974.62	-	52.39	55.65	3.26	3921.74
MW - 2	Manny & Chance	09/10/14	3974.62	-	52.41	54.08	1.67	3921.96
MW - 2	Manny	09/15/14	-	-	-	-	-	-
MW - 2	Manny	09/23/14	3974.62	-	52.41	54.13	1.72	3921.95
MW - 2	David F.	09/25/14	3974.62	-	52.78	54.25	1.47	3921.62
MW - 2	Manny	10/03/14	3974.62	-	52.52	54.19	1.67	3921.85
MW - 2	Chance	10/15/14	3974.62	-	52.41	54.23	1.82	3921.94
MW - 2	Manny	10/17/14	3974.62	-	52.59	54.11	1.52	3921.80
MW - 2	Chance	10/22/14	3974.62	-	-	-	-	-
MW - 2	Chance	10/24/14	3974.62	-	52.67	53.99	1.32	3921.75
MW - 2	Chance	10/27/14	3974.62	-	52.51	53.94	1.43	3921.90
MW - 2	Manny	10/31/14	3974.62	-	52.36	52.85	0.49	3922.19
MW - 2	Chance	11/03/14	3974.62	-	52.60	54.71	2.11	3921.70
MW - 2	Manny & Chance	11/10/14	3974.62	-	52.62	54.10	1.48	3921.78
MW - 2	Manny	11/14/14	3974.62	-	52.44	53.53	1.09	3922.02
MW - 2	Manny	11/17/14	3974.62	-	52.45	53.47	1.02	3922.02
MW - 2	Manny	11/18/14	3974.62	-	52.45	53.47	1.02	3922.02
MW - 2	Chance	11/21/14	3974.62	-	52.44	53.55	1.11	3922.01
MW - 2	Manny	12/03/14	3974.62	-	52.37	53.81	1.44	3922.03
MW - 2	Manny	12/05/14	3974.62	-	52.46	53.46	1.00	3922.01
MW - 2	Chance	12/12/14	3974.62	-	52.47	53.59	1.12	3921.98
MW - 2	Chance	12/15/14	3974.62	-	52.47	53.59	1.12	3921.98
MW - 2	Chance	12/19/14	3974.62	-	52.43	53.56	1.13	3922.02
MW - 2	Chance	12/22/14	3974.62	-	52.41	53.49	1.08	3922.05
MW - 2	Chance	01/05/15	3974.62	-	52.38	53.46	1.08	3922.08
MW - 2	Manny	01/09/15	3974.62	-	52.38	53.72	1.34	3922.04
MW - 2	Carlos	01/14/15	3974.62	-	53.37	53.74	0.37	3921.19
MW - 2	Chance/Carlos	01/21/15	3974.62	-	52.39	53.41	1.02	3922.08
MW - 2	Carlos/Matt	02/18/15	3974.62	-	52.64	54.21	1.57	3921.74
MW - 2	Manny	02/19/15	3974.62	-	52.46	53.29	0.83	3922.04
MW - 2	Carlos/Art	03/09/15	3974.62	-	52.38	53.40	1.02	3922.09
MW - 2	Carlos/Matt	03/11/15	3974.62	-	52.36	53.66	1.30	3922.07

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	Carlos	03/18/15	3974.62	-	52.35	53.66	1.31	3922.07
MW - 2	Chance/Art	03/31/15	3974.62	-	52.41	53.43	1.02	3922.06
MW - 2	Carlos/Matt	04/09/15	3974.62	-	52.35	53.58	1.23	3922.09
MW - 2	Carlos	04/15/15	3974.62	-	52.34	53.61	1.27	3922.09
MW - 2	Carlos	04/22/15	3974.62	-	52.34	53.63	1.29	3922.09
MW - 2	Manny/ Arthur	05/12/15	3974.62	-	52.34	53.65	1.31	3922.08
MW - 2	Chance/ Carlos	05/26/15	3974.62	-	52.40	53.38	0.98	3922.07
MW - 2	Carlos	06/01/15	3974.62	-	52.37	53.70	1.33	3922.05
MW - 2	Arthur/ Chance	06/04/15	3974.62	-	52.35	53.61	1.26	3922.08
MW - 2	Carlos	06/22/15	3974.62	-	52.46	54.41	1.95	3921.87
MW - 2	Carlos	06/26/15	3974.62	-	52.75	54.40	1.65	3921.62
MW - 2	Fernando	07/22/15	3974.62	-	52.58	54.16	1.58	3921.80
MW - 2	Matt/Carlos	07/27/15	3974.62	-	52.66	54.03	1.37	3921.75
MW - 2	Manny/Matt	08/18/15	3974.62	-	52.24	53.73	1.49	3922.16
MW - 2		09/09/15	3974.62	-	52.00	53.85	1.85	3922.34
MW - 2		09/30/15	3974.62	-	52.70	54.95	2.25	3921.58
MW - 2	Carlos	10/08/15	3974.62	-	52.54	54.57	2.03	3921.78
MW - 2	Manny	10/16/15	3974.62	-	52.62	55.10	2.48	3921.63
MW - 2	Fernando	10/21/15	3974.62	-	52.45	53.80	1.35	3921.97
MW - 2	Fernando	11/18/15	3974.62	-	52.58	54.70	2.12	3921.72
MW - 2	Carlos	11/23/15	3974.62	-	53.01	53.31	0.30	3921.57
MW - 2	Mark	12/04/15	3974.62	-	52.40	53.85	1.45	3922.00
MW - 2	Fernando	12/09/15	3974.62	-	52.71	54.88	2.17	3921.58
MW - 2	Carlos	01/12/16	3974.62	-	52.42	54.00	1.58	3921.96
MW - 2	Fernando	01/22/16	3974.62	-	52.40	54.00	1.60	3921.98
MW - 2	Fernando	01/25/16	3974.62	-	52.49	53.85	1.36	3921.93
MW - 2	Carlos	02/12/16	3974.62	-	52.54	54.24	1.70	3921.83
MW - 2	Fernando	02/17/16	3974.62	-	52.60	54.39	1.79	3921.75
MW - 2	Fernando/ Carlos	02/24/16	3974.62	-	52.43	53.66	1.23	3922.01
MW - 2	Manny	03/09/16	3974.62	-	52.52	54.85	2.33	3921.75
MW - 2	Carlos	03/30/16	3974.62	-	52.61	54.62	2.01	3921.71
MW - 2	Fernando	04/13/16	3974.62	-	52.54	54.49	1.95	3921.79
MW - 2	Carlos	04/27/16	3974.62	-	52.55	54.73	2.18	3921.74
MW - 2	Mark	05/11/16	3974.62	-	52.53	53.87	1.34	3921.89
MW - 2	Manny	06/03/16	3974.62	-	52.55	54.55	2.00	3921.77
MW - 2	Carlos	06/13/16	3974.62	-	52.43	53.73	1.30	3922.00
MW - 2	Carlos	07/01/16	3974.62	-	52.65	54.34	1.69	3921.72
MW - 2	Manny	07/08/16	3974.62	-	52.45	54.12	1.67	3921.92
MW - 2	Fernando	07/12/16	3974.62	-	52.46	54.00	1.54	3921.93
MW - 2	Carlos	07/18/16	3974.62	-	52.54	53.88	1.34	3921.88
MW - 2	Fernando	08/02/16	3974.62	-	52.49	54.00	1.51	3921.90
MW - 2	Carlos	08/12/16	3974.62	-	52.50	54.27	1.77	3921.85
MW - 2	Carlos	08/17/16	3974.62	-	52.44	54.25	1.81	3921.91
MW - 2	Manny	09/21/16	3974.62	-	52.43	54.07	1.64	3921.94
MW - 2	Wesley/ David	10/21/16	3974.62	-	52.35	54.20	1.85	3921.99
MW - 2	Carlos	10/24/16	3974.62	-	52.53	54.36	1.83	3921.82
MW - 2	Wesley	10/26/16	3974.62	-	52.99	53.02	0.03	3921.63
MW - 2	Carlos	10/31/16	3974.62	-	52.48	54.30	1.82	3921.87
MW - 2	Wesley	11/21/16	3974.62	-	52.64	54.43	1.79	3921.71
MW - 2	Carlos	11/28/16	3974.62	-	52.40	53.92	1.52	3921.99
MW - 2	Wesley	12/07/16	3974.62	-	52.53	54.51	1.98	3921.79
MW - 2	Fernando	12/14/16	3974.62	-	52.71	54.33	1.62	3921.67
MW - 2	Wesley	12/21/16	3974.62	-	52.42	53.82	1.40	3921.99
MW - 2	Wesley	01/04/17	3974.62	-	52.40	53.96	1.56	3921.99
MW - 2	Wesley	01/12/17	3974.62	-	52.41	53.98	1.57	3921.97
MW - 2	Wesley	01/26/17	3974.62	-	52.52	54.56	2.04	3921.79
MW - 2	Wesley	02/07/17	3974.62	-	52.40	54.17	1.77	3921.95
MW - 2	Carlos	02/21/17	3974.62	-	52.40	53.94	1.54	3921.99
MW - 2	Wesley	02/23/17	3974.62	-	52.38	53.91	1.53	3922.01
MW - 2	Carlos	03/08/17	3974.62	-	52.55	54.41	1.86	3921.79
MW - 2	Wesley	04/07/17	3974.62	-	52.38	53.90	1.52	3922.01
MW - 2	Wesley	04/18/17	3974.62	-	52.39	53.90	1.51	3922.00
MW - 2	Jeremy	05/10/17	3974.62	-	52.48	54.39	1.91	3921.85
MW - 2	Jeremy	05/24/17	3974.62	-	52.38	52.87	0.49	3922.17
MW - 2	Wesley	06/02/17	3974.62	-	52.36	53.99	1.63	3922.02
MW - 2	Jeremy/ Wesley	07/12/17	3974.62	-	52.53	54.94	2.41	3921.73
MW - 2	Wesley	07/19/17	3974.62	-	52.55	54.48	1.93	3921.78
MW - 2	Wesley	07/27/17	3974.62	-	52.38	54.29	1.91	3921.95
MW - 2	Jeremy	08/11/17	3974.62	-	52.51	54.89	2.38	3921.75
MW - 2	Wesley	08/24/17	3974.62	-	52.43	54.17	1.74	3921.93
MW - 2	Wesley	09/05/17	3974.62	-	52.45	54.22	1.77	3921.90
MW - 2	Jeremy	10/18/17	3974.62	-	52.55	54.53	1.98	3921.77

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	Jeremy	10/25/17	3974.62	-	52.51	54.11	1.60	3921.87
MW - 2	Jeremy	11/01/17	3974.62	-	52.50	54.13	1.63	3921.88
MW - 2	Wesley	11/08/17	3974.62	-	52.48	53.30	0.82	3922.02
MW - 2	Jeremy/ Wesley	11/28/17	3974.62	-	52.46	53.40	0.94	3922.02
MW - 2	Jeremy	12/19/17	3974.62	62.88	52.45	54.29	1.84	3921.89
MW - 2	Jeremy	01/16/18	3974.62	-	52.38	54.28	1.90	3921.96
MW - 2	Jeremy	01/30/18	3974.62	-	52.45	54.18	1.73	3921.91
MW - 2	Jeremy	02/06/18	3974.62	-	52.48	54.34	1.86	3921.86
MW - 2	Jeremy	02/13/18	3974.62	-	52.50	54.36	1.86	3921.84
MW - 2	Jeremy	02/26/18	3974.62	-	52.47	54.12	1.65	3921.90
MW - 2	Jeremy	04/03/18	3974.62	-	52.48	54.09	1.61	3921.90
MW - 2	Jeremy	04/17/18	3974.62	-	52.46	54.12	1.66	3921.91
MW - 2	Jeremy	05/07/18	3974.62	-	52.46	54.64	2.18	3921.83
MW - 2	Jeremy	06/21/18	3974.62	-	52.49	54.37	1.88	3921.85
MW - 2	Jeremy	06/26/18	3974.62	-	52.48	54.35	1.87	3921.86
MW - 2	Jeremy	07/12/18	3974.62	-	52.51	54.36	1.85	3921.83
MW - 2	Jeremy	07/17/18	3974.62	-	52.51	54.37	1.86	3921.83
MW - 2	Jeremy/ Fernando	08/01/18	3974.62	-	52.53	54.39	1.86	3921.81
MW - 2	Jeremy	08/09/18	3974.62	-	52.52	54.34	1.82	3921.83
MW - 2	Wesley	08/23/18	3974.62	-	52.54	54.43	1.89	3921.80
MW - 2	Jeremy	08/30/18	3974.62	-	52.57	53.51	0.94	3921.91
MW - 2	Jeremy	08/31/18	3974.62	-	52.59	54.21	1.62	3921.79
MW - 2	Jeremy	09/11/18	3974.62	-	52.63	53.91	1.28	3921.80
MW - 2	Jeremy	09/19/18	3974.62	-	52.57	53.91	1.34	3921.85
MW - 2	Jeremy	10/16/18	3974.62	-	52.57	53.96	1.39	3921.84
MW - 2	Jeremy	11/01/18	3974.62	-	52.56	53.81	1.25	3921.87
MW - 2	Jeremy	11/05/18	3974.62	-	52.52	54.16	1.64	3921.85
MW - 2	Jeremy/Derek	11/14/18	3974.62	-	52.52	53.79	1.27	3921.91
MW - 2	Jeremy	12/04/18	3974.62	-	52.53	54.58	2.05	3921.78
MW - 2	Jeremy	12/06/18	3974.62	-	52.51	54.56	2.05	3921.80
MW - 2	Jeremy	12/18/18	3974.62	-	52.65	54.02	1.37	3921.76
MW - 2	Jeremy	12/20/18	3974.62	-	52.66	54.52	1.86	3921.68
MW - 2	Jeremy	12/26/18	3974.62	-	52.62	53.99	1.37	3921.79
MW - 2	Jeremy	01/08/19	3974.62	-	52.62	54.01	1.39	3921.79
MW - 2	Jeremy	01/10/19	3974.62	-	52.61	53.97	1.36	3921.81
MW - 2	Jeremy	01/15/19	3974.62	-	52.66	53.92	1.26	3921.77
MW - 2	Jeremy	01/24/19	3974.62	-	52.88	53.91	1.03	3921.59
MW - 2	Jeremy	02/11/19	3974.62	-	52.80	53.99	1.19	3921.64
MW - 2	Jeremy	02/18/19	3974.62	-	52.48	53.97	1.49	3921.92
MW - 2	Jeremy	04/16/19	3974.62	-	52.74	54.01	1.27	3921.69
MW - 2	Manny/Elias	04/23/19	3974.62	-	52.88	54.21	1.33	3921.54
MW - 2	Manny/Elias	04/30/19	3974.62	-	52.55	54.39	1.84	3921.79
MW - 2	Manny/Elias	05/07/19	3974.62	-	52.72	54.10	1.38	3921.69
MW - 2	Manny/Elias	05/09/19	3974.62	-	52.78	54.09	1.31	3921.64
MW - 2	Jeremy	05/14/19	3974.62	-	52.67	54.01	1.34	3921.75
MW - 2	Jeremy	06/04/19	3974.62	-	52.80	54.01	1.21	3921.64
MW - 2	Jeremy	06/11/19	3974.62	-	52.82	53.98	1.16	3921.63
MW - 2	Jeremy	06/13/19	3974.62	-	52.77	53.99	1.22	3921.67
MW - 2	Jeremy	06/17/19	3974.62	-	52.58	53.76	1.18	3921.86
MW - 2	Jeremy	07/01/19	3974.62	-	52.51	53.97	1.46	3921.89
MW - 2	Jeremy	07/02/19	3974.62	-	52.56	53.80	1.24	3921.87
MW - 2	Jeremy	08/19/19	3974.62	-	52.59	53.24	0.65	3921.93
MW - 2	Jeremy	08/29/19	3974.62	-	52.58	53.29	0.71	3921.93
MW - 2	Jeremy	09/03/19	3974.62	-	52.51	53.26	0.75	3922.00
MW - 2	Jeremy	09/10/19	3974.62	-	52.49	53.24	0.75	3922.02
MW - 2	Jeremy	11/11/19	3974.62	-	52.65	53.27	0.62	3921.88
MW - 2	Jeremy	11/15/19	3974.62	-	52.60	55.24	2.64	3921.62
MW - 2	Fernando	01/08/20	3974.62	-	52.57	55.30	2.73	3921.64
MW - 2	Fernando	02/13/20	3974.62	-	52.74	54.45	1.71	3921.62
MW - 2	Elias	02/18/20	3974.62	-	52.69	54.44	1.75	3921.67
MW - 2	Scott	05/05/20	3974.62	-	52.60	55.12	2.52	3921.64
MW - 2	Manny	06/11/20	3974.62	-	52.60	55.26	2.66	3921.62
MW - 2	Manny	09/23/20	3974.62	-	52.67	55.67	3.00	3921.50
MW - 2	Manny	12/04/20	3974.62	-	52.67	55.69	3.02	3921.50
MW - 2	Manny	03/23/21	3974.62	62.54	52.68	55.81	3.13	3921.47
MW - 2	Manny	06/04/21	3974.62	-	52.66	55.00	2.34	3921.61
MW - 2	Manny	08/12/21	3974.62	-	52.77	56.16	3.39	3921.34
MW - 2	Manny	09/30/21	3974.62	-	52.89	55.88	2.99	3921.28
MW - 2	Manny	12/09/21	3974.62	62.42	52.99	55.02	2.03	3921.33
MW - 2	Manny	02/17/22	3974.62	-	52.83	56.13	3.30	3921.30
MW - 2	Manny	05/18/22	3974.62	-	52.82	56.33	3.51	3921.27
MW - 2	Manny	06/30/22	3974.62	-	52.89	56.29	3.40	3921.22

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 2	Manny	07/20/22	3974.62	-	53.01	55.95	2.94	3921.17
MW - 2	Manny	07/26/22	3974.62	-	53.22	54.90	1.68	3921.15
MW - 2	Manny	08/09/22	3974.62	-	53.11	55.26	2.15	3921.19
MW - 2	Manny	09/27/22	3974.62	-	53.00	56.31	3.31	3921.12
MW - 2	Manny	10/06/22	3974.62	-	53.11	55.70	2.59	3921.12
MW - 2	Manny	10/22/22	3974.62	-	53.41	54.51	1.10	3921.05
MW - 2	Manny	11/02/22	3974.62	-	53.17	55.41	2.24	3921.11
MW - 2	Manny	11/14/22	3974.62	-	53.27	55.07	1.80	3921.08
MW - 2	Manny	01/06/23	3974.62	-	53.03	56.23	3.20	3921.11
MW - 2	Manny	01/12/23	3974.62	-	53.33	54.75	1.42	3921.08
MW - 2	Manny	01/16/23	3974.62	-	53.42	54.30	0.88	3921.07
MW - 2	Manny	02/13/23	3974.62	-	53.18	55.52	2.34	3921.09
MW - 2	Manny	03/02/23	3974.62	-	53.11	55.90	2.79	3921.09
MW - 2	Manny	03/28/23	3974.62	-	53.23	55.33	2.10	3921.08
MW - 2	Manny	04/04/23	3974.62	-	53.36	56.00	2.64	3920.86
MW - 2	Manny	05/16/23	3974.62	-	53.15	55.76	2.61	3921.08
MW - 2	Manny	07/17/23	3974.62	-	53.12	56.37	3.25	3921.01
MW - 2	Manny	07/28/23	3974.62	-	53.27	55.57	2.30	3921.01
MW - 2	Manny	08/07/23	3974.62	-	53.17	56.08	2.91	3921.01
MW - 2	Manny	08/08/23	3974.62	-	53.21	55.97	2.76	3921.00
MW - 2	Manny	10/11/23	3974.62	-	53.10	56.77	3.67	3920.97
MW - 2	Manny	12/07/23	3974.62	-	53.18	56.49	3.31	3920.94
MW - 2	Manny	01/03/24	3974.62	-	53.16	56.68	3.52	3920.93
MW - 2	Manny	01/15/24	3974.62	-	53.51	55.92	2.41	3920.75
MW - 2	Manny	01/23/24	3974.62	-	53.62	54.42	0.80	3920.88
MW - 2	Manny	03/06/24	3974.62	-	53.29	55.62	2.33	3920.98
MW - 2	Manny	04/02/24	3974.62	-	53.24	56.01	2.77	3920.96
MW - 2	Manny	05/23/24	3974.62	-	53.40	55.33	1.93	3920.93
MW - 2	Manny	07/08/24	3974.62	-	53.30	56.12	2.82	3920.90
MW - 2	Manny	07/23/24	3974.62	-	53.26	56.28	3.02	3920.91
MW - 2	Manny	08/06/24	3974.62	-	52.75	56.53	3.78	3921.30
MW - 2	Manny	09/18/24	3974.62	-	53.42	55.75	2.33	3920.85
MW - 2	Manny	10/07/24	3974.62	-	53.39	55.99	2.60	3920.84
MW - 2	Manny	12/11/24	3974.62	-	53.49	55.70	2.21	3920.80
MW - 3		03/02/00	3974.60	-	52.71	55.03	2.32	3921.54
MW - 3		04/25/00	3974.60	-	52.61	55.09	2.48	3921.62
MW - 3		09/06/00	3974.60	-	52.54	55.66	3.12	3921.59
MW - 3		11/28/00	3974.60	-	52.64	55.57	2.93	3921.52
MW - 3		02/21/01	3974.60	-	52.94	53.50	0.56	3921.58
MW - 3		05/31/01	3974.60	-	52.51	55.71	3.20	3921.61
MW - 3		08/23/01	3974.60	-	52.46	55.80	3.34	3921.64
MW - 3		11/21/01	3974.60	-	52.46	55.81	3.35	3921.64
MW - 3		02/13/02	3974.60	-	52.51	55.78	3.27	3921.60
MW - 3		06/12/02	3974.60	-	52.47	55.17	2.70	3921.73
MW - 3		08/26/02	3974.60	-	55.74	52.49	-3.25	3919.35
MW - 3		11/08/02	3974.60	-	53.15	53.21	0.06	3921.44
MW - 3		11/21/02	3974.60	-	53.15	53.21	0.06	3921.44
MW - 3		12/27/02	3974.60	-	52.64	55.24	2.60	3921.57
MW - 3		01/06/03	3974.60	-	52.87	54.47	1.60	3921.49
MW - 3		01/08/03	3974.60	-	52.77	54.69	1.92	3921.54
MW - 3		01/10/03	3974.60	-	53.04	53.46	0.42	3921.50
MW - 3		01/13/03	3974.60	-	53.04	53.41	0.37	3921.50
MW - 3		02/05/03	3974.60	-	53.04	53.41	0.37	3921.50
MW - 3		02/26/03	3974.60	-	52.81	54.24	1.43	3921.58
MW - 3		03/04/03	3974.60	-	52.84	54.25	1.41	3921.55
MW - 3		03/12/03	3974.60	-	52.65	55.24	2.59	3921.56
MW - 3		03/18/03	3974.60	-	52.72	55.30	2.58	3921.49
MW - 3		03/25/03	3974.60	-	52.64	55.30	2.66	3921.56
MW - 3		03/31/03	3974.60	-	52.95	53.74	0.79	3921.53
MW - 3		04/09/03	3974.60	-	52.41	52.98	0.57	3922.10
MW - 3		04/14/03	3974.60	-	52.68	52.91	0.23	3921.89
MW - 3		05/07/03	3974.60	-	52.56	55.23	2.67	3921.64
MW - 3		05/08/03	3974.60	-	52.64	55.30	2.66	3921.56
MW - 3		05/13/03	3974.60	-	52.66	55.36	2.70	3921.54
MW - 3		05/21/03	3974.60	-	52.65	55.40	2.75	3921.54
MW - 3		05/28/03	3974.60	-	53.03	53.87	0.84	3921.44
MW - 3		06/03/03	3974.60	-	52.72	55.12	2.40	3921.52
MW - 3		06/09/03	3974.60	-	52.65	55.50	2.85	3921.52
MW - 3		07/01/03	3974.60	-	52.68	55.81	3.13	3921.45
MW - 3		07/08/03	3974.60	-	52.68	55.84	3.16	3921.45
MW - 3		07/29/03	3974.60	-	52.53	55.71	3.18	3921.59

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3		08/04/03	3974.60	-	52.70	55.91	3.21	3921.42
MW - 3		08/18/03	3974.60	-	52.81	56.01	3.20	3921.31
MW - 3		08/25/03	3974.60	-	53.83	56.06	2.23	3920.44
MW - 3		10/01/03	3974.60	-	52.60	54.81	2.21	3921.67
MW - 3		10/06/03	3974.60	-	62.62	55.73	-6.89	3913.01
MW - 3		10/08/03	3974.60	-	52.90	56.09	3.19	3921.22
MW - 3		10/15/03	3974.60	-	52.89	56.04	3.15	3921.24
MW - 3		11/12/03	3974.60	-	53.21	56.72	3.51	3920.86
MW - 3		11/19/03	3974.60	-	52.99	56.08	3.09	3921.15
MW - 3		12/01/03	3974.60	-	53.05	56.08	3.03	3921.10
MW - 3		12/10/03	3974.60	-	52.72	55.74	3.02	3921.43
MW - 3		02/05/04	3974.60	-	53.04	56.11	3.07	3921.10
MW - 3		02/17/04	3974.60	-	52.80	55.64	2.84	3921.37
MW - 3		02/25/04	3974.60	-	53.03	56.08	3.05	3921.11
MW - 3		03/09/04	3974.60	-	52.83	55.86	3.03	3921.32
MW - 3		03/16/04	3974.60	-	52.79	55.81	3.02	3921.36
MW - 3		03/22/04	3974.60	-	52.85	54.16	1.31	3921.55
MW - 3		04/07/04	3974.60	-	52.87	53.18	0.31	3921.68
MW - 3		04/12/04	3974.60	-	52.97	55.02	2.05	3921.32
MW - 3		04/19/04	3974.60	-	52.80	53.06	0.26	3921.76
MW - 3		05/05/04	3974.60	-	52.87	55.57	2.70	3921.33
MW - 3		05/11/04	3974.60	-	53.02	55.68	2.66	3921.18
MW - 3		06/07/04	3974.60	-	52.62	55.29	2.67	3921.58
MW - 3		06/15/04	3974.60	-	52.65	55.27	2.62	3921.56
MW - 3		06/20/04	3974.60	-	52.65	55.27	2.62	3921.56
MW - 3		06/21/04	3974.60	-	52.61	55.32	2.71	3921.58
MW - 3		06/28/04	3974.60	-	52.62	55.34	2.72	3921.57
MW - 3		07/08/04	3974.60	-	52.60	55.31	2.71	3921.59
MW - 3		07/12/04	3974.60	-	52.57	55.33	2.76	3921.62
MW - 3		08/06/04	3974.60	-	52.69	55.36	2.67	3921.51
MW - 3		08/12/04	3974.60	-	52.68	55.37	2.69	3921.52
MW - 3		08/17/04	3974.60	-	52.63	55.30	2.67	3921.57
MW - 3		08/26/04	3974.60	-	52.63	55.79	3.16	3921.50
MW - 3		09/01/04	3974.60	-	52.74	55.15	2.41	3921.50
MW - 3		09/03/04	3974.60	-	52.83	55.22	2.39	3921.41
MW - 3		09/08/04	3974.60	-	52.78	55.42	2.64	3921.42
MW - 3		09/14/04	3974.60	-	52.76	55.05	2.29	3921.50
MW - 3		09/22/04	3974.60	-	52.86	55.05	2.19	3921.41
MW - 3		10/01/04	3974.60	-	52.73	55.30	2.57	3921.48
MW - 3		10/08/04	3974.60	-	52.78	55.16	2.38	3921.46
MW - 3		10/15/04	3974.60	-	52.65	54.80	2.15	3921.63
MW - 3		10/22/04	3974.60	-	52.66	55.20	2.54	3921.56
MW - 3		11/12/04	3974.60	-	53.11	53.44	0.33	3921.44
MW - 3		11/26/04	3974.60	-	53.10	53.60	0.50	3921.43
MW - 3		12/02/04	3974.60	-	53.25	53.50	0.25	3921.31
MW - 3		12/06/04	3974.60	-	53.09	53.59	0.50	3921.44
MW - 3		12/13/04	3974.60	-	53.12	53.60	0.48	3921.41
MW - 3		12/15/04	3974.60	-	53.12	53.60	0.48	3921.41
MW - 3		12/27/04	3974.60	-	52.87	54.20	1.33	3921.53
MW - 3		01/10/05	3974.60	-	52.72	54.54	1.82	3921.61
MW - 3		01/18/05	3974.60	-	52.70	54.70	2.00	3921.60
MW - 3		01/18/05	3974.60	-	52.81	53.85	1.04	3921.63
MW - 3		01/25/05	3974.60	-	52.65	54.58	1.93	3921.66
MW - 3		01/27/05	3974.60	-	52.70	54.40	1.70	3921.65
MW - 3		02/01/05	3974.60	-	52.66	54.47	1.81	3921.67
MW - 3		02/07/05	3974.60	-	52.60	54.49	1.89	3921.72
MW - 3		02/11/05	3974.60	-	52.63	54.38	1.75	3921.71
MW - 3		02/15/05	3974.60	-	52.64	54.36	1.72	3921.70
MW - 3		02/22/05	3974.60	-	52.50	54.89	2.39	3921.74
MW - 3		02/24/05	3974.60	-	52.51	54.85	2.34	3921.74
MW - 3		03/03/05	3974.60	-	52.49	54.90	2.41	3921.75
MW - 3		03/09/05	3974.60	-	52.49	54.92	2.43	3921.75
MW - 3		03/22/05	3974.60	-	52.52	54.84	2.32	3921.73
MW - 3		03/24/05	3974.60	-	52.52	54.84	2.32	3921.73
MW - 3		03/31/05	3974.60	-	-	-	-	-
MW - 3		06/22/05	3974.60	-	52.45	54.60	2.15	3921.83
MW - 3		07/21/05	3974.60	-	52.38	54.60	2.22	3921.89
MW - 3		08/03/05	3974.60	-	52.40	54.52	2.12	3921.88
MW - 3		08/12/05	3974.60	-	52.39	53.43	1.04	3922.05
MW - 3		08/15/05	3974.60	-	52.44	54.27	1.83	3921.89
MW - 3		08/22/05	3974.60	-	52.43	54.34	1.91	3921.88
MW - 3		08/30/05	3974.60	-	52.39	54.38	1.99	3921.91

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3		09/07/05	3974.60	-	52.40	54.39	1.99	3921.90
MW - 3		09/14/05	3974.60	-	52.43	54.30	1.87	3921.89
MW - 3		09/20/05	3974.60	-	52.40	54.20	1.80	3921.93
MW - 3		09/21/05	3974.60	-	52.43	54.33	1.90	3921.89
MW - 3		09/28/05	3974.60	-	52.39	54.36	1.97	3921.91
MW - 3		10/06/05	3974.60	-	52.30	54.68	2.38	3921.94
MW - 3		10/13/05	3974.60	-	52.30	54.66	2.36	3921.95
MW - 3		10/20/05	3974.60	-	52.31	54.60	2.29	3921.95
MW - 3		10/26/05	3974.60	-	52.32	54.60	2.28	3921.94
MW - 3		11/03/05	3974.60	-	52.28	54.59	2.31	3921.97
MW - 3		11/10/05	3974.60	-	52.27	54.62	2.35	3921.98
MW - 3		11/16/05	3974.60	-	52.31	54.58	2.27	3921.95
MW - 3		11/23/05	3974.60	-	52.36	54.50	2.14	3921.92
MW - 3		11/28/05	3974.60	-	52.25	54.60	2.35	3922.00
MW - 3		12/05/05	3974.60	-	52.30	54.49	2.19	3921.97
MW - 3		12/12/05	3974.60	-	52.29	54.51	2.22	3921.98
MW - 3		12/16/05	3974.60	-	52.89	53.78	0.89	3921.58
MW - 3		12/19/05	3974.60	-	52.36	54.53	2.17	3921.91
MW - 3		12/29/05	3974.60	-	52.28	54.60	2.32	3921.97
MW - 3		01/04/06	3974.60	-	52.33	54.58	2.25	3921.93
MW - 3		01/10/06	3974.60	-	52.29	54.58	2.29	3921.97
MW - 3		01/17/06	3974.60	-	52.28	54.52	2.24	3921.98
MW - 3		01/26/06	3974.60	-	52.27	54.52	2.25	3921.99
MW - 3		01/31/06	3974.60	-	52.28	54.50	2.22	3921.99
MW - 3		02/07/06	3974.60	-	52.27	54.46	2.19	3922.00
MW - 3		02/09/06	3974.60	-	52.36	54.15	1.79	3921.97
MW - 3		02/13/06	3974.60	-	52.25	54.49	2.24	3922.01
MW - 3		02/22/06	3974.60	-	52.25	54.53	2.28	3922.01
MW - 3		02/28/06	3974.60	-	52.27	54.50	2.23	3922.00
MW - 3		03/07/06	3974.60	-	52.28	54.46	2.18	3921.99
MW - 3		03/15/06	3974.60	-	52.25	54.44	2.19	3922.02
MW - 3		03/20/06	3974.60	-	52.24	54.37	2.13	3922.04
MW - 3		03/22/06	3974.60	-	52.71	52.78	0.07	3921.88
MW - 3		03/29/06	3974.60	-	52.28	54.11	1.83	3922.05
MW - 3		04/11/06	3974.60	-	52.23	54.29	2.06	3922.06
MW - 3		04/18/06	3974.60	-	52.23	54.32	2.09	3922.06
MW - 3		04/25/06	3974.60	-	52.32	54.12	1.80	3922.01
MW - 3		05/02/06	3974.60	-	52.23	54.43	2.20	3922.04
MW - 3		05/09/06	3974.60	-	52.22	54.30	2.08	3922.07
MW - 3		05/16/06	3974.60	-	52.22	54.29	2.07	3922.07
MW - 3		05/23/06	3974.60	-	52.23	54.30	2.07	3922.06
MW - 3		05/31/06	3974.60	-	52.23	54.31	2.08	3922.06
MW - 3		06/06/06	3974.60	-	52.22	54.21	1.99	3922.08
MW - 3		06/13/06	3974.60	-	52.21	54.24	2.03	3922.09
MW - 3		06/20/06	3974.60	-	52.21	54.23	2.02	3922.09
MW - 3		06/21/06	3974.60	-	52.34	53.66	1.32	3922.06
MW - 3		07/06/06	3974.60	-	52.22	54.25	2.03	3922.08
MW - 3		07/12/06	3974.60	-	52.29	53.96	1.67	3922.06
MW - 3		07/20/06	3974.60	-	52.25	53.99	1.74	3922.09
MW - 3		07/25/06	3974.60	-	52.29	53.88	1.59	3922.07
MW - 3		08/01/06	3974.60	-	52.29	53.90	1.61	3922.07
MW - 3		08/16/06	3974.60	-	52.32	53.78	1.46	3922.06
MW - 3		08/23/06	3974.60	-	53.33	53.75	0.42	3921.21
MW - 3		08/28/06	3974.60	-	52.32	53.79	1.47	3922.06
MW - 3		09/12/06	3974.60	-	52.32	53.77	1.45	3922.06
MW - 3		09/22/06	3974.60	-	52.34	54.01	1.67	3922.01
MW - 3		10/06/06	3974.60	-	-	-	-	-
MW - 3		10/10/06	3974.60	-	-	-	-	-
MW - 3		12/04/06	3974.60	-	-	-	-	-
MW - 3		12/15/06	3974.60	-	-	-	-	-
MW - 3		01/05/07	3974.60	-	-	-	-	-
MW - 3		02/09/07	3974.60	-	-	-	-	-
MW - 3		02/23/07	3974.60	-	-	-	-	-
MW - 3		03/14/07	3974.60	-	52.20	53.73	1.53	3922.17
MW - 3		03/26/07	3974.60	-	52.16	53.99	1.83	3922.17
MW - 3		04/03/07	3974.60	-	52.14	54.06	1.92	3922.17
MW - 3		04/09/07	3974.60	-	52.13	54.03	1.90	3922.19
MW - 3		04/26/07	3974.60	-	52.13	54.06	1.93	3922.18
MW - 3		04/30/07	3974.60	-	52.16	53.96	1.80	3922.17
MW - 3		05/11/07	3974.60	-	52.13	54.00	1.87	3922.19
MW - 3		05/16/07	3974.60	-	52.16	53.90	1.74	3922.18
MW - 3		05/22/07	3974.60	-	52.14	53.93	1.79	3922.19

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3		05/29/07	3974.60	-	52.13	53.94	1.81	3922.20
MW - 3		06/01/07	3974.60	-	52.12	53.96	1.84	3922.20
MW - 3		06/08/07	3974.60	-	52.13	53.95	1.82	3922.20
MW - 3		06/11/07	3974.60	-	52.18	53.80	1.62	3922.18
MW - 3		06/20/07	3974.60	-	52.13	53.90	1.77	3922.20
MW - 3		07/10/07	3974.60	-	52.12	53.90	1.78	3922.21
MW - 3		07/20/07	3974.60	-	52.12	53.90	1.78	3922.21
MW - 3		07/25/07	3974.60	-	52.12	53.84	1.72	3922.22
MW - 3		08/01/07	3974.60	-	52.11	53.81	1.70	3922.24
MW - 3		08/10/07	3974.60	-	52.12	53.86	1.74	3922.22
MW - 3		08/15/07	3974.60	-	52.12	53.77	1.65	3922.23
MW - 3		08/30/07	3974.60	-	52.12	53.83	1.71	3922.22
MW - 3		08/31/07	3974.60	-	52.12	53.83	1.71	3922.22
MW - 3		09/10/07	3974.60	-	52.11	53.81	1.70	3922.24
MW - 3		09/19/07	3974.60	-	52.11	53.79	1.68	3922.24
MW - 3		10/01/07	3974.60	-	52.22	53.36	1.14	3922.21
MW - 3		10/19/07	3974.60	-	52.14	53.59	1.45	3922.24
MW - 3		11/12/07	3974.60	-	52.15	53.52	1.37	3922.24
MW - 3		12/13/07	3974.60	-	52.08	53.72	1.64	3922.27
MW - 3		03/07/08	3974.60	-	52.06	53.62	1.56	3922.31
MW - 3		05/29/08	3974.60	-	52.04	53.41	1.37	3922.35
MW - 3		06/02/08	3974.60	-	52.04	53.35	1.31	3922.36
MW - 3		06/03/08	3974.60	-	52.04	53.35	1.31	3922.36
MW - 3		08/02/08	3974.60	-	52.05	53.45	1.40	3922.34
MW - 3		09/03/08	3974.60	-	52.01	53.42	1.41	3922.38
MW - 3		09/19/08	3974.60	-	52.13	53.38	1.25	3922.28
MW - 3		09/26/08	3974.60	-	52.08	53.38	1.30	3922.33
MW - 3		10/10/08	3974.60	-	52.01	53.34	1.33	3922.39
MW - 3		10/17/08	3974.60	-	52.04	53.32	1.28	3922.37
MW - 3		10/21/08	3974.60	-	52.06	53.33	1.27	3922.35
MW - 3		10/30/08	3974.60	-	52.03	53.30	1.27	3922.38
MW - 3		11/04/08	3974.60	-	52.03	53.26	1.23	3922.39
MW - 3		11/18/08	3974.60	-	52.03	53.30	1.27	3922.38
MW - 3		11/25/08	3974.60	-	52.06	53.33	1.27	3922.35
MW - 3		12/10/08	3974.60	-	52.04	53.29	1.25	3922.37
MW - 3		12/18/08	3974.60	-	52.02	53.31	1.29	3922.39
MW - 3		01/06/09	3974.60	-	52.00	53.29	1.29	3922.41
MW - 3		01/14/09	3974.60	-	52.03	53.31	1.28	3922.38
MW - 3		01/21/09	3974.60	-	52.03	53.25	1.22	3922.39
MW - 3		01/22/09	3974.60	-	52.02	53.02	1.00	3922.43
MW - 3		01/30/09	3974.60	-	52.04	53.27	1.23	3922.38
MW - 3		02/03/09	3974.60	-	52.03	53.20	1.17	3922.39
MW - 3		02/12/09	3974.60	-	52.02	53.20	1.18	3922.40
MW - 3		02/19/09	3974.60	-	52.02	53.17	1.15	3922.41
MW - 3		03/04/09	3974.60	-	52.05	53.03	0.98	3922.40
MW - 3		03/06/09	3974.60	-	52.01	53.05	1.04	3922.43
MW - 3		03/11/09	3974.60	-	52.04	53.19	1.15	3922.39
MW - 3		03/16/09	3974.60	-	52.08	53.06	0.98	3922.37
MW - 3		03/19/09	3974.60	-	52.03	53.19	1.16	3922.40
MW - 3		03/24/09	3974.60	-	51.99	52.92	0.93	3922.47
MW - 3		04/03/09	3974.60	-	51.58	52.70	1.12	3922.85
MW - 3		04/15/09	3974.60	-	52.01	53.10	1.09	3922.43
MW - 3		04/17/09	3974.60	-	52.07	53.04	0.97	3922.38
MW - 3		04/22/09	3974.60	-	51.97	53.06	1.09	3922.47
MW - 3		04/29/09	3974.60	-	52.06	53.14	1.08	3922.38
MW - 3		05/20/09	3974.60	-	52.00	53.09	1.09	3922.44
MW - 3		05/20/09	3974.60	-	52.00	53.09	1.09	3922.44
MW - 3		06/09/09	3974.60	-	51.99	53.14	1.15	3922.44
MW - 3		06/17/09	3974.60	-	52.00	53.12	1.12	3922.43
MW - 3		06/23/09	3974.60	-	51.95	53.08	1.13	3922.48
MW - 3		07/01/09	3974.60	-	52.00	53.16	1.16	3922.43
MW - 3		07/08/09	3974.60	-	52.02	53.14	1.12	3922.41
MW - 3		07/15/09	3974.60	-	52.00	53.08	1.08	3922.44
MW - 3		07/17/09	3974.60	-	52.04	53.05	1.01	3922.41
MW - 3		07/23/09	3974.60	-	52.02	53.12	1.10	3922.42
MW - 3		07/24/09	3974.60	-	52.05	52.87	0.82	3922.43
MW - 3		07/30/09	3974.60	-	52.08	53.19	1.11	3922.35
MW - 3		08/04/09	3974.60	-	52.00	53.02	1.02	3922.45
MW - 3		08/12/09	3974.60	-	52.02	53.08	1.06	3922.42
MW - 3		08/20/09	3974.60	-	52.00	53.08	1.08	3922.44
MW - 3		08/26/09	3974.60	-	51.98	52.73	0.75	3922.51
MW - 3		09/02/09	3974.60	-	51.99	53.11	1.12	3922.44

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3		09/09/09	3974.60	-	52.02	53.11	1.09	3922.42
MW - 3		09/14/09	3974.60	-	52.01	53.06	1.05	3922.43
MW - 3		09/21/09	3974.60	-	52.01	53.10	1.09	3922.43
MW - 3		10/01/09	3974.60	-	52.02	53.09	1.07	3922.42
MW - 3		10/08/09	3974.60	-	52.02	53.12	1.10	3922.42
MW - 3		10/08/09	3974.60	-	52.02	53.12	1.10	3922.42
MW - 3		10/14/09	3974.60	-	52.02	53.09	1.07	3922.42
MW - 3		10/21/09	3974.60	-	52.02	53.15	1.13	3922.41
MW - 3		10/28/09	3974.60	-	52.97	53.09	0.12	3921.61
MW - 3		11/04/09	3974.60	-	51.99	53.02	1.03	3922.46
MW - 3		11/11/09	3974.60	-	51.99	53.00	1.01	3922.46
MW - 3		11/18/09	3974.60	-	52.03	53.10	1.07	3922.41
MW - 3		11/25/09	3974.60	-	51.99	53.09	1.10	3922.45
MW - 3		12/02/09	3974.60	-	52.02	53.09	1.07	3922.42
MW - 3		12/10/09	3974.60	-	52.00	53.03	1.03	3922.45
MW - 3		12/17/09	3974.60	-	52.06	53.05	0.99	3922.39
MW - 3		12/21/09	3974.60	-	52.02	52.72	0.70	3922.48
MW - 3		12/30/09	3974.60	-	52.11	52.99	0.88	3922.36
MW - 3		01/07/10	3974.60	-	52.06	52.72	0.66	3922.44
MW - 3		01/18/10	3974.60	-	52.08	52.64	0.56	3922.44
MW - 3		02/02/10	3974.60	-	52.02	52.93	0.91	3922.44
MW - 3		02/11/10	3974.60	-	51.97	52.91	0.94	3922.49
MW - 3		02/18/10	3974.60	-	51.98	51.99	0.01	3922.62
MW - 3		02/25/10	3974.60	-	52.04	53.00	0.96	3922.42
MW - 3		03/02/10	3974.60	-	52.05	52.95	0.90	3922.42
MW - 3		03/04/10	3974.60	-	52.00	52.83	0.83	3922.48
MW - 3		03/10/10	3974.60	-	51.98	52.93	0.95	3922.48
MW - 3		03/12/10	3974.60	-	52.07	52.84	0.77	3922.41
MW - 3		03/15/10	3974.60	-	52.03	52.77	0.74	3922.46
MW - 3		03/18/10	3974.60	-	52.06	52.77	0.71	3922.43
MW - 3		03/22/10	3974.60	-	52.10	52.80	0.70	3922.40
MW - 3		03/24/10	3974.60	-	52.12	52.73	0.61	3922.39
MW - 3		03/30/10	3974.60	-	52.08	52.74	0.66	3922.42
MW - 3		04/07/10	3974.60	-	52.10	52.74	0.64	3922.40
MW - 3		04/12/10	3974.60	-	52.00	52.72	0.72	3922.49
MW - 3		04/16/10	3974.60	-	52.39	54.08	1.69	3921.96
MW - 3		04/20/10	3974.60	-	52.34	53.61	1.27	3922.07
MW - 3		04/27/10	3974.60	-	52.42	53.74	1.32	3921.98
MW - 3		04/30/10	3974.60	-	52.32	53.31	0.99	3922.13
MW - 3		05/12/10	3974.60	-	52.36	53.78	1.42	3922.03
MW - 3		05/14/10	3974.60	-	52.33	53.33	1.00	3922.12
MW - 3		05/17/10	3974.60	-	52.52	53.74	1.22	3921.90
MW - 3		05/20/10	3974.60	-	52.37	53.78	1.41	3922.02
MW - 3		05/25/10	3974.60	-	52.26	53.13	0.87	3922.21
MW - 3		06/01/10	3974.60	-	52.25	53.14	0.89	3922.22
MW - 3		06/09/10	3974.60	-	52.27	53.11	0.84	3922.20
MW - 3		06/16/10	3974.60	-	52.28	52.96	0.68	3922.22
MW - 3		06/28/10	3974.60	-	52.32	53.37	1.05	3922.12
MW - 3		07/09/10	3974.60	-	52.29	52.94	0.65	3922.21
MW - 3		07/23/10	3974.60	-	51.99	52.67	0.68	3922.51
MW - 3		07/29/10	3974.60	-	51.99	52.68	0.69	3922.51
MW - 3		08/05/10	3974.60	-	51.98	52.70	0.72	3922.51
MW - 3		08/12/10	3974.60	-	51.98	52.73	0.75	3922.51
MW - 3		08/16/10	3974.60	-	51.98	52.73	0.75	3922.51
MW - 3		08/18/10	3974.60	-	51.98	52.75	0.77	3922.50
MW - 3		08/26/10	3974.60	-	52.11	53.04	0.93	3922.35
MW - 3		09/02/10	3974.60	-	52.19	53.40	1.21	3922.23
MW - 3		09/09/10	3974.60	-	51.96	52.71	0.75	3922.53
MW - 3		09/30/10	3974.60	-	52.04	52.58	0.54	3922.48
MW - 3		10/07/10	3974.60	-	52.04	52.65	0.61	3922.47
MW - 3		10/14/10	3974.60	-	52.30	53.90	1.60	3922.06
MW - 3		10/21/10	3974.60	-	52.28	53.89	1.61	3922.08
MW - 3		11/04/10	3974.60	-	52.18	53.24	1.06	3922.26
MW - 3		11/10/10	3974.60	-	52.29	53.87	1.58	3922.07
MW - 3		12/01/10	3974.60	-	51.96	52.81	0.85	3922.51
MW - 3		12/08/10	3974.60	-	52.09	53.16	1.07	3922.35
MW - 3		01/26/11	3974.60	-	52.00	52.75	0.75	3922.49
MW - 3		02/28/11	3974.60	-	52.27	53.87	1.60	3922.09
MW - 3		03/04/11	3974.60	-	52.08	52.88	0.80	3922.40
MW - 3		03/09/11	3974.60	-	52.07	53.57	1.50	3922.31
MW - 3		04/28/11	3974.60	-	52.11	53.12	1.01	3922.34
MW - 3		05/04/11	3974.60	-	52.09	52.12	0.03	3922.51

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3		05/11/11	3974.60	-	52.14	53.11	0.97	3922.31
MW - 3		05/12/11	3974.60	-	52.10	53.06	0.96	3922.36
MW - 3		05/18/11	3974.60	-	52.13	53.18	1.05	3922.31
MW - 3		05/23/11	3974.60	-	52.07	53.02	0.95	3922.39
MW - 3		06/08/11	3974.60	-	52.11	53.19	1.08	3922.33
MW - 3		06/16/11	3974.60	-	52.09	53.05	0.96	3922.37
MW - 3		06/22/11	3974.60	-	52.11	53.10	0.99	3922.34
MW - 3		06/30/11	3974.60	-	52.05	53.52	1.47	3922.33
MW - 3		07/06/11	3974.60	-	51.98	53.15	1.17	3922.44
MW - 3		07/13/11	3974.60	-	52.08	53.25	1.17	3922.34
MW - 3		07/15/11	3974.60	-	52.10	53.50	1.40	3922.29
MW - 3		07/19/11	3974.60	-	52.15	53.08	0.93	3922.31
MW - 3		07/21/11	3974.60	-	52.02	53.04	1.02	3922.43
MW - 3		07/26/11	3974.60	-	52.15	53.05	0.90	3922.32
MW - 3		07/28/11	3974.60	-	52.12	53.06	0.94	3922.34
MW - 3		08/02/11	3974.60	-	52.25	53.76	1.51	3922.12
MW - 3		08/09/11	3974.60	-	52.20	53.68	1.48	3922.18
MW - 3		08/12/11	3974.60	-	52.13	53.38	1.25	3922.28
MW - 3		08/15/11	3974.60	-	52.13	53.38	1.25	3922.28
MW - 3		08/16/11	3974.60	-	52.12	53.80	1.68	3922.23
MW - 3		08/19/11	3974.60	-	52.13	53.71	1.58	3922.23
MW - 3		08/23/11	3974.60	-	52.16	53.30	1.14	3922.27
MW - 3		08/26/11	3974.60	-	52.21	53.25	1.04	3922.23
MW - 3		08/30/11	3974.60	-	52.02	52.69	0.67	3922.48
MW - 3		09/01/11	3974.60	-	52.05	52.42	0.37	3922.49
MW - 3		09/08/11	3974.60	-	52.14	53.89	1.75	3922.20
MW - 3		09/13/11	3974.60	-	52.10	53.49	1.39	3922.29
MW - 3		09/15/11	3974.60	-	52.22	52.28	0.06	3922.37
MW - 3		09/22/11	3974.60	-	52.03	52.75	0.72	3922.46
MW - 3		10/06/11	3974.60	-	52.04	52.92	0.88	3922.43
MW - 3		10/11/11	3974.60	-	52.17	53.19	1.02	3922.28
MW - 3		10/13/11	3974.60	-	52.19	53.91	1.72	3922.15
MW - 3		10/26/11	3974.60	-	51.13	53.36	2.23	3923.14
MW - 3		11/22/11	3974.60	-	52.17	53.24	1.07	3922.27
MW - 3		12/02/11	3974.60	-	52.01	52.94	0.93	3922.45
MW - 3		12/29/11	3974.60	-	51.99	52.86	0.87	3922.48
MW - 3		01/26/12	3974.60	-	52.04	53.28	1.24	3922.37
MW - 3		01/31/12	3974.60	-	52.08	53.40	1.32	3922.32
MW - 3		02/15/12	3974.60	-	52.01	52.83	0.82	3922.47
MW - 3		02/28/12	3974.60	-	52.04	53.24	1.20	3922.38
MW - 3		03/20/12	3974.60	-	52.07	53.42	1.35	3922.33
MW - 3		03/27/12	3974.60	-	52.57	53.37	0.80	3921.91
MW - 3		04/10/12	3974.60	-	52.13	53.36	1.23	3922.29
MW - 3		04/19/12	3974.60	-	52.09	53.43	1.34	3922.31
MW - 3		04/26/12	3974.60	-	52.00	52.75	0.75	3922.49
MW - 3		05/08/12	3974.60	-	52.01	52.76	0.75	3922.48
MW - 3		05/15/12	3974.60	-	51.98	53.01	1.03	3922.47
MW - 3		05/17/12	3974.60	-	51.96	53.02	1.06	3922.48
MW - 3		06/05/12	3974.60	-	52.03	53.40	1.37	3922.36
MW - 3		06/21/12	3974.60	-	52.02	53.51	1.49	3922.36
MW - 3		06/28/12	3974.60	-	52.02	53.57	1.55	3922.35
MW - 3		07/17/12	3974.60	-	52.00	53.23	1.23	3922.42
MW - 3		08/01/12	3974.60	-	52.08	53.13	1.05	3922.36
MW - 3		10/02/12	3974.60	-	52.08	53.48	1.40	3922.31
MW - 3		10/09/12	3974.60	-	52.04	53.89	1.85	3922.28
MW - 3		10/16/12	3974.60	-	52.10	53.32	1.22	3922.32
MW - 3		10/25/12	3974.60	-	52.09	53.50	1.41	3922.30
MW - 3		10/30/12	3974.60	-	52.08	53.51	1.43	3922.31
MW - 3		11/29/12	3974.60	-	52.05	54.10	2.05	3922.24
MW - 3		12/14/12	3974.60	-	52.10	53.63	1.53	3922.27
MW - 3		02/11/13	3974.60	-	52.12	53.29	1.17	3922.30
MW - 3		03/18/13	3974.60	-	52.29	52.48	0.19	3922.28
MW - 3		04/11/13	3974.60	-	52.58	52.65	0.07	3922.01
MW - 3		05/06/13	3974.60	-	52.17	53.08	0.91	3922.29
MW - 3		05/29/13	3974.60	-	52.55	52.69	0.14	3922.03
MW - 3		06/26/13	3974.60	-	52.63	52.68	0.05	3921.96
MW - 3		07/31/13	3974.60	-	52.46	52.49	0.03	3922.14
MW - 3		08/06/13	3974.60	-	52.46	52.48	0.02	3922.14
MW - 3		09/30/13	3974.60	57.43	52.50	52.60	0.10	3922.09
MW - 3		11/18/13	3974.60	-	52.32	53.19	0.87	3922.15
MW - 3	David/Jose	02/04/14	3974.60	-	52.36	53.10	0.74	3922.13
MW - 3	Manny & Chance	04/28/14	3974.60	-	52.34	53.06	0.72	3922.15

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3		05/28/14	3974.60	-	52.53	52.85	0.32	3922.02
MW - 3	Manny & Chance	07/30/14	3974.60	-	53.79	53.80	0.01	3920.81
MW - 3	Manny & Chance	08/23/14	3974.60	-	53.27	53.80	0.53	3921.25
MW - 3	Manny & Chance	09/10/14	3974.60	-	52.51	53.42	0.91	3921.95
MW - 3	Manny	09/15/14	3974.60	-	-	-	-	-
MW - 3	Manny	09/23/14	3974.60	-	52.38	53.97	1.59	3921.98
MW - 3	Manny	10/31/14	3974.60	-	52.49	52.91	0.42	3922.05
MW - 3	Manny	11/18/14	3974.60	-	52.45	53.30	0.85	3922.02
MW - 3	Chance/Carlos	01/05/15	3974.60	-	52.71	53.09	0.38	3921.83
MW - 3	Manny	01/09/15	3974.60	-	52.34	53.57	1.23	3922.08
MW - 3	Carlos	01/14/15	3974.60	-	52.33	53.66	1.33	3922.07
MW - 3	Chance/Carlos	01/21/15	3974.60	-	52.72	53.07	0.35	3921.83
MW - 3	Manny/Art	02/19/15	3974.60	-	52.74	52.82	0.08	3921.85
MW - 3	Carlos/Art	03/09/15	3974.60	-	52.74	53.09	0.35	3921.81
MW - 3	Carlos/Matt	03/11/15	3974.60	-	52.81	53.19	0.38	3921.73
MW - 3	Chance/Art	03/31/15	3974.60	-	52.74	53.09	0.35	3921.81
MW - 3	Arthur/Carlos	04/09/15	3974.60	-	52.44	52.92	0.48	3922.09
MW - 3	Carlos	04/15/15	3974.60	-	52.33	52.37	0.04	3922.26
MW - 3	Carlos	04/22/15	3974.60	-	52.33	53.50	1.17	3922.09
MW - 3	Manny/ Arthur	05/12/15	3974.60	-	52.30	53.62	1.32	3922.10
MW - 3	Chance/ Carlos	05/26/15	3974.60	-	52.71	53.04	0.33	3921.84
MW - 3	Chance/ Carlos	06/01/15	3974.60	-	52.34	53.41	1.07	3922.10
MW - 3	Arthur/ Chance	06/04/15	3974.60	-	52.29	53.67	1.38	3922.10
MW - 3	Matt/Carlos	07/27/15	3974.60	-	52.71	52.73	0.02	3921.89
MW - 3	Manny/Matt	08/18/15	3974.60	-	52.45	52.85	0.40	3922.09
MW - 3	Carlos	10/08/15	3974.60	-	52.74	53.21	0.47	3921.79
MW - 3	Fernando	10/21/15	3974.60	-	52.49	53.15	0.66	3922.01
MW - 3	Carlos	11/23/15	3974.60	-	53.31	54.94	1.63	3921.05
MW - 3	Carlos	01/12/16	3974.60	-	52.51	53.35	0.84	3921.96
MW - 3	Fernando	02/11/16	3974.60	-	52.47	53.04	0.57	3922.04
MW - 3	Fernando/ Carlos	02/24/16	3974.60	-	52.49	53.07	0.58	3922.02
MW - 3	Carlos	06/13/16	3974.60	-	52.47	53.13	0.66	3922.03
MW - 3	Fernando	08/02/16	3974.60	-	52.52	53.56	1.04	3921.92
MW - 3	Carlos	11/28/16	3974.60	-	52.45	53.40	0.95	3922.01
MW - 3	Carlos	02/21/17	3974.60	-	52.48	53.31	0.83	3922.00
MW - 3	Jeremy	05/24/17	3974.60	-	52.50	53.09	0.59	3922.01
MW - 3	Jeremy/ Wesley	07/12/17	3974.60	-	52.50	53.09	0.59	3922.01
MW - 3	Jeremy	08/11/17	3974.60	-	52.54	53.11	0.57	3921.97
MW - 3	Jeremy	10/18/17	3974.60	-	52.67	53.54	0.87	3921.80
MW - 3	Jeremy/ Wesley	11/28/17	3974.60	-	52.55	53.56	1.01	3921.90
MW - 3	Jeremy	12/19/17	3974.60	57.68	52.53	53.66	1.13	3921.90
MW - 3	Jeremy	01/16/18	3974.60	-	52.45	54.08	1.63	3921.91
MW - 3	Jeremy	02/26/18	3974.60	-	52.60	53.20	0.60	3921.91
MW - 3	Jeremy	04/03/18	3974.60	-	52.59	53.24	0.65	3921.91
MW - 3	Jeremy	04/17/18	3974.60	-	52.52	53.49	0.97	3921.93
MW - 3	Jeremy	05/07/18	3974.60	-	52.76	52.94	0.18	3921.81
MW - 3	Jeremy	06/26/18	3974.60	-	52.60	53.61	1.01	3921.85
MW - 3	Jeremy	07/12/18	3974.60	-	52.48	54.28	1.80	3921.85
MW - 3	Jeremy/ Fernando	08/01/18	3974.60	-	52.60	54.50	1.90	3921.72
MW - 3	Jeremy	08/09/18	3974.60	-	52.45	54.32	1.87	3921.87
MW - 3	Wesley	08/23/18	3974.60	-	52.47	54.49	2.02	3921.83
MW - 3	Jeremy	08/30/18	3974.60	-	52.69	53.49	0.80	3921.79
MW - 3	Jeremy	08/31/18	3974.60	-	52.49	54.38	1.89	3921.83
MW - 3	Jeremy	09/11/18	3974.60	-	52.53	54.13	1.60	3921.83
MW - 3	Jeremy	09/13/18	3974.60	-	52.55	53.71	1.16	3921.88
MW - 3	Jeremy	09/19/18	3974.60	-	52.54	54.19	1.65	3921.81
MW - 3	Jeremy	09/26/18	3974.60	-	52.31	53.37	1.06	3922.13
MW - 3	Jeremy	10/04/18	3974.60	-	52.50	53.68	1.18	3921.92
MW - 3	Jeremy/Derek	11/14/18	3974.60	-	52.65	52.88	0.23	3921.92
MW - 3	Jeremy	12/18/18	3974.60	-	52.64	53.81	1.17	3921.78
MW - 3	Jeremy	02/18/19	3974.60	-	52.64	53.59	0.95	3921.82
MW - 3	Jeremy	05/14/19	3974.60	-	52.54	53.94	1.40	3921.85
MW - 3	Jeremy	08/19/19	3974.60	-	52.85	53.77	0.92	3921.61
MW - 3	Jeremy	11/11/19	3974.60	-	52.90	53.81	0.91	3921.56
MW - 3	Fernando	01/08/20	3974.60	57.50	52.74	54.16	1.42	3921.65
MW - 3	Elias	02/18/20	3974.60	-	52.73	53.96	1.23	3921.69
MW - 3	Scott	05/05/20	3974.60	-	52.71	54.24	1.53	3921.66
MW - 3	Manny	06/11/20	3974.60	-	52.73	54.43	1.70	3921.62
MW - 3	Manny	09/23/20	3974.60	-	52.75	54.82	2.07	3921.54
MW - 3	Manny	12/04/20	3974.60	-	52.77	54.84	2.07	3921.52
MW - 3	Manny	03/23/21	3974.60	57.51	52.86	54.61	1.75	3921.48
MW - 3	Manny	06/04/21	3974.60	-	52.65	55.64	2.99	3921.50

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 3	Manny	09/30/21	3974.60	-	52.74	56.12	3.38	3921.35
MW - 3	Manny	12/09/21	3974.60	57.50	52.49	54.72	2.23	3921.78
MW - 3	Manny	02/17/22	3974.60	-	52.80	55.78	2.98	3921.35
MW - 3	Manny	05/18/22	3974.60	-	52.82	56.19	3.37	3921.27
MW - 3	Manny	08/09/22	3974.60	-	52.82	56.52	3.70	3921.23
MW - 3	Manny	11/14/22	3974.60	-	53.10	55.58	2.48	3921.13
MW - 3	Manny	01/06/23	3974.60	-	52.93	56.43	3.50	3921.15
MW - 3	Manny	02/14/23	3974.60	-	52.95	56.32	3.37	3921.14
MW - 3	Manny	05/16/23	3974.60	-	53.53	55.05	1.52	3920.84
MW - 3	Manny	08/08/23	3974.60	-	53.29	55.26	1.97	3921.01
MW - 3	Manny	12/07/23	3974.60	-	53.32	55.38	2.06	3920.97
MW - 3	Manny	03/06/24	3974.60	-	53.02	56.69	3.67	3921.03
MW - 3	Manny	05/23/24	3974.60	-	53.07	56.87	3.80	3920.96
MW - 3	Manny	09/18/24	3974.60	-	53.12	57.12	4.00	3920.88
MW - 3	Manny	12/11/24	3974.60	57.62	53.13	57.21	4.08	3920.86
MW - 4		03/02/00	3974.53	-	52.58	54.30	1.72	3921.69
MW - 4		04/25/00	3974.53	-	52.59	54.38	1.79	3921.67
MW - 4		09/06/00	3974.53	-	52.44	55.11	2.67	3921.69
MW - 4		11/28/00	3974.53	-	52.48	55.25	2.77	3921.63
MW - 4		02/21/01	3974.53	-	52.38	55.15	2.77	3921.73
MW - 4		05/31/01	3974.53	-	52.43	55.22	2.79	3921.68
MW - 4		08/23/01	3974.53	-	52.38	55.24	2.86	3921.72
MW - 4		11/21/01	3974.53	-	52.37	55.15	2.78	3921.74
MW - 4		02/13/02	3974.53	-	52.42	55.21	2.79	3921.69
MW - 4		06/12/02	3974.53	-	52.31	55.44	3.13	3921.75
MW - 4		08/26/02	3974.53	-	52.33	55.50	3.17	3921.72
MW - 4		11/08/02	3974.53	-	52.94	53.18	0.24	3921.55
MW - 4		11/21/02	3974.53	-	52.61	54.63	2.02	3921.62
MW - 4		12/27/02	3974.53	-	52.53	54.86	2.33	3921.65
MW - 4		01/06/03	3974.53	-	52.74	53.93	1.19	3921.61
MW - 4		01/08/03	3974.53	-	52.77	53.81	1.04	3921.60
MW - 4		01/10/03	3974.53	-	52.86	53.31	0.45	3921.60
MW - 4		01/13/03	3974.53	-	52.87	53.26	0.39	3921.60
MW - 4		02/05/03	3974.53	-	52.91	52.99	0.08	3921.61
MW - 4		02/26/03	3974.53	-	52.72	53.86	1.14	3921.64
MW - 4		03/04/03	3974.53	-	52.70	53.86	1.16	3921.66
MW - 4		03/12/03	3974.53	-	52.78	53.69	0.91	3921.61
MW - 4		03/18/03	3974.53	-	52.91	53.30	0.39	3921.56
MW - 4		03/25/03	3974.53	-	52.85	53.32	0.47	3921.61
MW - 4		03/31/03	3974.53	-	52.82	53.41	0.59	3921.62
MW - 4		04/09/03	3974.53	-	52.81	53.33	0.52	3921.64
MW - 4		04/14/03	3974.53	-	52.79	53.48	0.69	3921.64
MW - 4		05/07/03	3974.53	-	52.50	54.57	2.07	3921.72
MW - 4		05/08/03	3974.53	-	52.58	54.67	2.09	3921.64
MW - 4		05/13/03	3974.53	-	52.57	54.66	2.09	3921.65
MW - 4		05/21/03	3974.53	-	52.58	54.71	2.13	3921.63
MW - 4		05/27/03	3974.53	-	52.73	53.62	0.89	3921.67
MW - 4		05/28/03	3974.53	-	52.82	53.65	0.83	3921.59
MW - 4		06/03/03	3974.53	-	52.68	54.35	1.67	3921.60
MW - 4		06/10/03	3974.53	-	52.82	53.60	0.78	3921.59
MW - 4		07/01/03	3974.53	-	52.91	53.66	0.75	3921.51
MW - 4		07/08/03	3974.53	-	52.77	54.30	1.53	3921.53
MW - 4		07/29/03	3974.53	-	52.57	54.38	1.81	3921.69
MW - 4		08/04/03	3974.53	-	52.85	54.17	1.32	3921.48
MW - 4		08/18/03	3974.53	-	52.84	53.39	0.55	3921.61
MW - 4		08/25/03	3974.53	-	52.85	54.86	2.01	3921.38
MW - 4		10/06/03	3974.53	-	52.91	53.17	0.26	3921.58
MW - 4		10/08/03	3974.53	-	53.12	53.98	0.86	3921.28
MW - 4		10/15/03	3974.53	-	53.14	53.88	0.74	3921.28
MW - 4		11/12/03	3974.53	-	53.14	54.94	1.80	3921.12
MW - 4		11/19/03	3974.53	-	53.10	54.58	1.48	3921.21
MW - 4		12/01/03	3974.53	-	53.29	53.70	0.41	3921.18
MW - 4		12/10/03	3974.53	-	52.96	53.50	0.54	3921.49
MW - 4		02/05/04	3974.53	-	53.32	53.78	0.46	3921.14
MW - 4		02/17/04	3974.53	-	53.87	54.28	0.41	3920.60
MW - 4		02/25/04	3974.53	-	53.28	53.80	0.52	3921.17
MW - 4		03/09/04	3974.53	-	52.84	54.59	1.75	3921.43
MW - 4		03/16/04	3974.53	-	52.85	54.56	1.71	3921.42
MW - 4		03/22/04	3974.53	-	52.84	53.14	0.30	3921.65
MW - 4		04/07/04	3974.53	-	52.90	53.37	0.47	3921.56
MW - 4		04/12/04	3974.53	-	52.83	54.74	1.91	3921.41

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4		04/19/04	3974.53	-	52.87	52.99	0.12	3921.64
MW - 4		05/05/04	3974.53	-	52.82	54.83	2.01	3921.41
MW - 4		05/11/04	3974.53	-	53.00	54.74	1.74	3921.27
MW - 4		06/07/04	3974.53	-	52.58	54.57	1.99	3921.65
MW - 4		06/15/04	3974.53	-	52.60	54.49	1.89	3921.65
MW - 4		06/20/04	3974.53	-	52.60	54.49	1.89	3921.65
MW - 4		06/21/04	3974.53	-	52.56	54.55	1.99	3921.67
MW - 4		06/28/04	3974.53	-	52.57	54.51	1.94	3921.67
MW - 4		07/08/04	3974.53	-	52.55	54.53	1.98	3921.68
MW - 4		07/12/04	3974.53	-	52.54	54.52	1.98	3921.69
MW - 4		08/06/04	3974.53	-	52.58	54.51	1.93	3921.66
MW - 4		08/12/04	3974.53	-	52.60	54.59	1.99	3921.63
MW - 4		08/17/04	3974.53	-	52.64	54.72	2.08	3921.58
MW - 4		08/26/04	3974.53	-	52.60	54.79	2.19	3921.60
MW - 4		09/01/04	3974.53	-	52.67	54.40	1.73	3921.60
MW - 4		09/03/04	3974.53	-	52.67	54.45	1.78	3921.59
MW - 4		09/08/04	3974.53	-	52.66	54.63	1.97	3921.57
MW - 4		09/14/04	3974.53	-	52.69	54.46	1.77	3921.57
MW - 4		09/22/04	3974.53	-	52.81	54.39	1.58	3921.48
MW - 4		10/01/04	3974.53	-	52.67	54.62	1.95	3921.57
MW - 4		10/08/04	3974.53	-	52.69	54.44	1.75	3921.58
MW - 4		10/15/04	3974.53	-	52.60	54.30	1.70	3921.68
MW - 4		10/22/04	3974.53	-	52.62	54.56	1.94	3921.62
MW - 4		11/12/04	3974.53	-	52.68	53.69	1.01	3921.70
MW - 4		11/26/04	3974.53	-	52.65	54.55	1.90	3921.60
MW - 4		12/02/04	3974.53	-	52.70	54.50	1.80	3921.56
MW - 4		12/06/04	3974.53	-	52.77	54.21	1.44	3921.54
MW - 4		12/13/04	3974.53	-	52.72	54.40	1.68	3921.56
MW - 4		12/15/04	3974.53	-	52.72	54.40	1.68	3921.56
MW - 4		12/27/04	3974.53	-	52.65	54.47	1.82	3921.61
MW - 4		01/10/05	3974.53	-	52.14	54.40	2.26	3922.05
MW - 4		01/18/05	3974.53	-	52.59	54.15	1.56	3921.71
MW - 4		01/18/05	3974.53	-	52.68	53.51	0.83	3921.73
MW - 4		01/25/05	3974.53	-	52.54	54.10	1.56	3921.76
MW - 4		01/27/05	3974.53	-	52.55	53.90	1.35	3921.78
MW - 4		02/01/05	3974.53	-	52.56	53.93	1.37	3921.76
MW - 4		02/07/05	3974.53	-	52.50	54.01	1.51	3921.80
MW - 4		02/11/05	3974.53	-	52.50	53.98	1.48	3921.81
MW - 4		02/15/05	3974.53	-	52.53	53.96	1.43	3921.79
MW - 4		02/22/05	3974.53	-	52.47	54.10	1.63	3921.82
MW - 4		02/24/05	3974.53	-	52.50	54.15	1.65	3921.78
MW - 4		03/03/05	3974.53	-	52.46	54.13	1.67	3921.82
MW - 4		03/09/05	3974.53	-	52.46	54.92	2.46	3921.70
MW - 4		03/22/05	3974.53	-	52.45	54.05	1.60	3921.84
MW - 4		03/24/05	3974.53	-	52.45	54.05	1.60	3921.84
MW - 4		03/31/05	3974.53	-	52.47	54.03	1.56	3921.83
MW - 4		06/22/05	3974.53	-	52.36	54.10	1.74	3921.91
MW - 4		07/21/05	3974.53	-	52.89	53.64	0.75	3921.53
MW - 4		08/03/05	3974.53	-	52.33	52.80	0.47	3922.13
MW - 4		08/12/05	3974.53	-	52.32	53.40	1.08	3922.05
MW - 4		08/15/05	3974.53	-	52.35	53.60	1.25	3921.99
MW - 4		08/22/05	3974.53	-	52.34	53.66	1.32	3921.99
MW - 4		08/30/05	3974.53	-	52.32	53.70	1.38	3922.00
MW - 4		09/07/05	3974.53	-	52.32	53.92	1.60	3921.97
MW - 4		09/14/05	3974.53	-	52.30	53.68	1.38	3922.02
MW - 4		09/20/05	3974.53	-	52.33	53.59	1.26	3922.01
MW - 4		09/21/05	3974.53	-	52.33	53.69	1.36	3922.00
MW - 4		09/28/05	3974.53	-	52.30	53.70	1.40	3922.02
MW - 4		10/06/05	3974.53	-	52.27	53.85	1.58	3922.02
MW - 4		10/13/05	3974.53	-	52.28	53.81	1.53	3922.02
MW - 4		10/20/05	3974.53	-	52.30	53.75	1.45	3922.01
MW - 4		10/26/05	3974.53	-	52.28	53.75	1.47	3922.03
MW - 4		11/03/05	3974.53	-	52.25	53.75	1.50	3922.06
MW - 4		11/10/05	3974.53	-	52.24	53.75	1.51	3922.06
MW - 4		11/16/05	3974.53	-	52.27	53.72	1.45	3922.04
MW - 4		11/23/05	3974.53	-	52.30	53.68	1.38	3922.02
MW - 4		11/28/05	3974.53	-	52.23	53.75	1.52	3922.07
MW - 4		12/05/05	3974.53	-	52.28	53.65	1.37	3922.04
MW - 4		12/12/05	3974.53	-	52.27	53.68	1.41	3922.05
MW - 4		12/16/05	3974.53	-	52.40	53.04	0.64	3922.03
MW - 4		12/19/05	3974.53	-	52.30	53.60	1.30	3922.04
MW - 4		12/29/05	3974.53	-	52.25	53.71	1.46	3922.06

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4		01/04/06	3974.53	-	52.38	53.70	1.32	3921.95
MW - 4		01/10/06	3974.53	-	52.25	53.70	1.45	3922.06
MW - 4		01/17/06	3974.53	-	52.26	53.65	1.39	3922.06
MW - 4		01/26/06	3974.53	-	52.23	53.63	1.40	3922.09
MW - 4		01/31/06	3974.53	-	52.25	53.60	1.35	3922.08
MW - 4		02/07/06	3974.53	-	52.25	53.56	1.31	3922.08
MW - 4		02/09/06	3974.53	-	52.27	53.65	1.38	3922.05
MW - 4		02/13/06	3974.53	-	52.29	53.55	1.26	3922.05
MW - 4		02/22/06	3974.53	-	52.25	53.71	1.46	3922.06
MW - 4		02/28/06	3974.53	-	52.29	53.68	1.39	3922.03
MW - 4		03/07/06	3974.53	-	52.30	53.63	1.33	3922.03
MW - 4		03/15/06	3974.53	-	52.23	53.55	1.32	3922.10
MW - 4		03/20/06	3974.53	-	52.22	53.46	1.24	3922.12
MW - 4		03/22/06	3974.53	-	52.52	52.54	0.02	3922.01
MW - 4		03/29/06	3974.53	-	52.25	53.32	1.07	3922.12
MW - 4		04/11/06	3974.53	-	52.22	53.39	1.17	3922.13
MW - 4		04/18/06	3974.53	-	52.22	53.40	1.18	3922.13
MW - 4		04/25/06	3974.53	-	52.29	53.14	0.85	3922.11
MW - 4		05/02/06	3974.53	-	52.22	53.34	1.12	3922.14
MW - 4		05/09/06	3974.53	-	52.21	53.30	1.09	3922.16
MW - 4		05/16/06	3974.53	-	52.23	52.31	0.08	3922.29
MW - 4		05/23/06	3974.53	-	52.23	53.29	1.06	3922.14
MW - 4		05/31/06	3974.53	-	52.20	53.36	1.16	3922.16
MW - 4		06/06/06	3974.53	-	52.22	53.26	1.04	3922.15
MW - 4		06/13/06	3974.53	-	52.23	53.29	1.06	3922.14
MW - 4		06/20/06	3974.53	-	52.20	53.28	1.08	3922.17
MW - 4		06/21/06	3974.53	-	52.30	52.90	0.60	3922.14
MW - 4		07/06/06	3974.53	-	52.21	53.30	1.09	3922.16
MW - 4		07/12/06	3974.53	-	52.23	53.17	0.94	3922.16
MW - 4		07/20/06	3974.53	-	52.23	53.12	0.89	3922.17
MW - 4		07/25/06	3974.53	-	52.25	53.11	0.86	3922.15
MW - 4		08/01/06	3974.53	-	52.24	53.15	0.91	3922.15
MW - 4		08/16/06	3974.53	-	52.33	52.81	0.48	3922.13
MW - 4		08/23/06	3974.53	-	52.27	53.00	0.73	3922.15
MW - 4		08/28/06	3974.53	-	52.27	53.00	0.73	3922.15
MW - 4		09/12/06	3974.53	-	52.25	53.06	0.81	3922.16
MW - 4		09/22/06	3974.53	-	52.25	53.15	0.90	3922.15
MW - 4		09/27/06	3974.53	-	52.27	53.04	0.77	3922.14
MW - 4		10/06/06	3974.53	-	52.21	53.24	1.03	3922.17
MW - 4		10/10/06	3974.53	-	52.24	53.16	0.92	3922.15
MW - 4		10/16/06	3974.53	-	52.23	53.30	1.07	3922.14
MW - 4		10/26/06	3974.53	-	52.21	53.20	0.99	3922.17
MW - 4		11/03/06	3974.53	-	52.22	53.18	0.96	3922.17
MW - 4		11/09/06	3974.53	-	52.20	53.15	0.95	3922.19
MW - 4		11/16/06	3974.53	-	52.22	53.18	0.96	3922.17
MW - 4		11/22/06	3974.53	-	52.22	53.11	0.89	3922.18
MW - 4		12/04/06	3974.53	-	52.21	53.12	0.91	3922.18
MW - 4		12/08/06	3974.53	-	52.21	53.17	0.96	3922.18
MW - 4		12/15/06	3974.53	-	52.19	53.12	0.93	3922.20
MW - 4		01/05/07	3974.53	-	52.18	53.18	1.00	3922.20
MW - 4		01/12/07	3974.53	-	52.20	53.13	0.93	3922.19
MW - 4		01/18/07	3974.53	-	52.20	53.14	0.94	3922.19
MW - 4		01/24/07	3974.53	-	52.20	53.10	0.90	3922.20
MW - 4		01/29/07	3974.53	-	52.18	53.06	0.88	3922.22
MW - 4		02/09/07	3974.53	-	52.16	53.04	0.88	3922.24
MW - 4		02/16/07	3974.53	-	52.20	53.07	0.87	3922.20
MW - 4		02/23/07	3974.53	-	52.15	53.03	0.88	3922.25
MW - 4		03/02/07	3974.53	-	52.20	53.10	0.90	3922.20
MW - 4		03/14/07	3974.53	-	52.19	52.80	0.61	3922.25
MW - 4		03/26/07	3974.53	-	52.17	52.94	0.77	3922.24
MW - 4		04/03/07	3974.53	-	52.14	52.98	0.84	3922.26
MW - 4		04/09/07	3974.53	-	52.16	52.95	0.79	3922.25
MW - 4		04/26/07	3974.53	-	52.16	52.96	0.80	3922.25
MW - 4		04/30/07	3974.53	-	52.12	52.94	0.82	3922.29
MW - 4		05/11/07	3974.53	-	52.15	52.94	0.79	3922.26
MW - 4		05/16/07	3974.53	-	52.17	52.88	0.71	3922.25
MW - 4		05/22/07	3974.53	-	52.15	52.87	0.72	3922.27
MW - 4		05/29/07	3974.53	-	52.14	52.90	0.76	3922.28
MW - 4		06/01/07	3974.53	-	52.15	52.90	0.75	3922.27
MW - 4		06/08/07	3974.53	-	52.15	52.90	0.75	3922.27
MW - 4		06/11/07	3974.53	-	52.18	52.81	0.63	3922.26
MW - 4		06/20/07	3974.53	-	52.15	52.90	0.75	3922.27

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4		07/10/07	3974.53	-	52.13	52.85	0.72	3922.29
MW - 4		07/20/07	3974.53	-	52.14	52.83	0.69	3922.29
MW - 4		07/25/07	3974.53	-	52.14	52.78	0.64	3922.29
MW - 4		08/01/07	3974.53	-	52.12	52.81	0.69	3922.31
MW - 4		08/10/07	3974.53	-	52.14	52.81	0.67	3922.29
MW - 4		08/15/07	3974.53	-	52.13	52.76	0.63	3922.31
MW - 4		08/30/07	3974.53	-	52.13	52.80	0.67	3922.30
MW - 4		08/31/07	3974.53	-	52.13	52.80	0.67	3922.30
MW - 4		09/10/07	3974.53	-	52.13	52.77	0.64	3922.30
MW - 4		09/19/07	3974.53	-	52.12	52.76	0.64	3922.31
MW - 4		09/27/07	3974.53	-	52.12	52.72	0.60	3922.32
MW - 4		10/01/07	3974.53	-	52.12	52.67	0.55	3922.33
MW - 4		10/19/07	3974.53	-	52.10	52.75	0.65	3922.33
MW - 4		10/26/07	3974.53	-	52.12	52.68	0.56	3922.33
MW - 4		11/12/07	3974.53	-	52.14	52.46	0.32	3922.34
MW - 4		11/16/07	3974.53	-	52.16	52.47	0.31	3922.32
MW - 4		11/29/07	3974.53	-	59.18	59.88	0.70	3915.25
MW - 4		12/13/07	3974.53	-	52.10	52.63	0.53	3922.35
MW - 4		01/10/08	3974.53	-	52.05	52.60	0.55	3922.40
MW - 4		01/17/08	3974.53	-	52.09	52.60	0.51	3922.36
MW - 4		01/22/08	3974.53	-	52.08	52.58	0.50	3922.38
MW - 4		02/06/08	3974.53	-	52.09	52.55	0.46	3922.37
MW - 4		02/06/08	3974.53	-	52.15	52.25	0.10	3922.37
MW - 4		02/12/08	3974.53	-	52.09	52.56	0.47	3922.37
MW - 4		02/12/08	3974.53	-	52.16	52.24	0.08	3922.36
MW - 4		02/20/08	3974.53	-	52.07	52.25	0.18	3922.43
MW - 4		02/20/08	3974.53	-	52.14	52.25	0.11	3922.37
MW - 4		02/27/08	3974.53	-	52.08	52.51	0.43	3922.39
MW - 4		02/27/08	3974.53	-	52.12	52.25	0.13	3922.39
MW - 4		03/07/08	3974.53	-	52.05	52.48	0.43	3922.42
MW - 4		03/12/08	3974.53	-	52.05	52.48	0.43	3922.42
MW - 4		03/12/08	3974.53	-	52.11	52.21	0.10	3922.41
MW - 4		03/20/08	3974.53	-	52.06	52.47	0.41	3922.41
MW - 4		03/20/08	3974.53	-	52.11	52.13	0.02	3922.42
MW - 4		03/23/08	3974.53	-	52.06	52.47	0.41	3922.41
MW - 4		03/23/08	3974.53	-	52.11	52.22	0.11	3922.40
MW - 4		04/02/08	3974.53	-	52.07	52.45	0.38	3922.40
MW - 4		04/02/08	3974.53	-	52.09	52.26	0.17	3922.41
MW - 4		04/09/08	3974.53	-	52.05	52.45	0.40	3922.42
MW - 4		04/09/08	3974.53	-	52.09	52.26	0.17	3922.41
MW - 4		04/16/08	3974.53	-	52.06	52.42	0.36	3922.42
MW - 4		04/23/08	3974.53	-	52.05	52.45	0.40	3922.42
MW - 4		04/30/08	3974.53	-	52.05	52.41	0.36	3922.43
MW - 4		05/29/08	3974.53	-	52.05	52.38	0.33	3922.43
MW - 4		06/02/08	3974.53	-	52.03	52.35	0.32	3922.45
MW - 4		06/03/08	3974.53	-	52.03	52.35	0.32	3922.45
MW - 4		06/11/08	3974.53	-	52.03	52.38	0.35	3922.45
MW - 4		06/18/08	3974.53	-	52.04	52.38	0.34	3922.44
MW - 4		06/23/08	3974.53	-	52.03	52.36	0.33	3922.45
MW - 4		07/01/08	3974.53	-	52.05	52.38	0.33	3922.43
MW - 4		07/09/08	3974.53	-	52.05	52.39	0.34	3922.43
MW - 4		07/15/08	3974.53	-	52.03	52.37	0.34	3922.45
MW - 4		07/22/08	3974.53	-	52.03	52.35	0.32	3922.45
MW - 4		08/02/08	3974.53	-	52.02	52.38	0.36	3922.46
MW - 4		08/13/08	3974.53	-	52.02	52.55	0.53	3922.43
MW - 4		09/03/08	3974.53	-	52.02	52.38	0.36	3922.46
MW - 4		09/11/08	3974.53	-	52.03	52.38	0.35	3922.45
MW - 4		09/19/08	3974.53	-	52.01	52.33	0.32	3922.47
MW - 4		09/26/08	3974.53	-	52.02	52.33	0.31	3922.46
MW - 4		10/10/08	3974.53	-	52.02	52.33	0.31	3922.46
MW - 4		10/17/08	3974.53	-	52.02	52.29	0.27	3922.47
MW - 4		10/21/08	3974.53	-	52.04	52.30	0.26	3922.45
MW - 4		10/30/08	3974.53	-	52.02	52.30	0.28	3922.47
MW - 4		11/04/08	3974.53	-	52.02	52.32	0.30	3922.47
MW - 4		11/18/08	3974.53	-	52.04	52.30	0.26	3922.45
MW - 4		11/25/08	3974.53	-	52.05	52.29	0.24	3922.44
MW - 4		12/10/08	3974.53	-	52.03	52.32	0.29	3922.46
MW - 4		12/18/08	3974.53	-	52.03	52.30	0.27	3922.46
MW - 4		01/06/09	3974.53	-	52.03	52.35	0.32	3922.45
MW - 4		01/14/09	3974.53	-	52.09	52.29	0.20	3922.41
MW - 4		01/21/09	3974.53	-	52.08	52.25	0.17	3922.42
MW - 4		01/22/09	3974.53	-	52.03	53.33	1.30	3922.31

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4		01/30/09	3974.53	-	52.01	52.25	0.24	3922.48
MW - 4		02/03/09	3974.53	-	52.00	52.25	0.25	3922.49
MW - 4		02/12/09	3974.53	-	51.99	52.30	0.31	3922.49
MW - 4		02/19/09	3974.53	-	52.00	52.29	0.29	3922.49
MW - 4		03/04/09	3974.53	-	52.07	52.33	0.26	3922.42
MW - 4		03/06/09	3974.53	-	52.01	52.28	0.27	3922.48
MW - 4		03/11/09	3974.53	-	52.02	52.28	0.26	3922.47
MW - 4		03/16/09	3974.53	-	52.11	52.35	0.24	3922.38
MW - 4		03/19/09	3974.53	-	52.01	52.26	0.25	3922.48
MW - 4		03/24/09	3974.53	-	51.98	52.05	0.07	3922.54
MW - 4		04/03/09	3974.53	-	51.99	52.20	0.21	3922.51
MW - 4		04/15/09	3974.53	-	52.02	52.12	0.10	3922.50
MW - 4		04/17/09	3974.53	-	52.03	52.11	0.08	3922.49
MW - 4		04/21/09	3974.53	-	51.96	52.19	0.23	3922.54
MW - 4		04/29/09	3974.53	-	52.01	52.12	0.11	3922.50
MW - 4		05/20/09	3974.53	-	51.99	52.11	0.12	3922.52
MW - 4		05/20/09	3974.53	-	51.99	52.11	0.12	3922.52
MW - 4		06/09/09	3974.53	-	51.98	52.11	0.13	3922.53
MW - 4		06/17/09	3974.53	-	51.98	52.12	0.14	3922.53
MW - 4		06/23/09	3974.53	-	51.95	52.17	0.22	3922.55
MW - 4		07/01/09	3974.53	-	51.98	52.11	0.13	3922.53
MW - 4		07/08/09	3974.53	-	sheen	52.12	0.00	3922.41
MW - 4		07/15/09	3974.53	-	sheen	52.02	0.00	3922.51
MW - 4		07/17/09	3974.53	-	sheen	52.05	0.00	3922.48
MW - 4		07/23/09	3974.53	-	52.00	52.11	0.11	3922.51
MW - 4		07/24/09	3974.53	-	52.00	52.10	0.10	3922.52
MW - 4		07/30/09	3974.53	-	52.00	52.14	0.14	3922.51
MW - 4		08/04/09	3974.53	-	51.98	52.10	0.12	3922.53
MW - 4		08/12/09	3974.53	-	51.98	52.12	0.14	3922.53
MW - 4		08/20/09	3974.53	-	51.99	52.10	0.11	3922.52
MW - 4		08/26/09	3974.53	-	sheen	52.13	0.00	3922.40
MW - 4		09/02/09	3974.53	-	sheen	52.01	0.00	3922.52
MW - 4		09/09/09	3974.53	-	sheen	52.02	0.00	3922.51
MW - 4		09/14/09	3974.53	-	sheen	52.02	0.00	3922.51
MW - 4		09/21/09	3974.53	-	sheen	52.03	0.00	3922.50
MW - 4		10/01/09	3974.53	-	sheen	52.04	0.00	3922.49
MW - 4		10/08/09	3974.53	-	sheen	52.04	0.00	3922.49
MW - 4		10/14/09	3974.53	-	sheen	52.03	0.00	3922.50
MW - 4		10/21/09	3974.53	-	sheen	52.05	0.00	3922.48
MW - 4		10/28/09	3974.53	-	sheen	52.02	0.00	3922.51
MW - 4		11/04/09	3974.53	-	sheen	52.01	0.00	3922.52
MW - 4		11/11/09	3974.53	-	sheen	52.00	0.00	3922.53
MW - 4		11/18/09	3974.53	-	sheen	52.00	0.00	3922.53
MW - 4		11/25/09	3974.53	-	sheen	52.01	0.00	3922.52
MW - 4		12/02/09	3974.53	-	sheen	52.02	0.00	3922.51
MW - 4		12/10/09	3974.53	-	sheen	52.02	0.00	3922.51
MW - 4		12/17/09	3974.53	-	sheen	52.06	0.00	3922.47
MW - 4		12/21/09	3974.53	-	sheen	51.99	0.00	3922.54
MW - 4		12/30/09	3974.53	-	sheen	52.09	0.00	3922.44
MW - 4		01/07/10	3974.53	-	sheen	52.00	0.00	3922.53
MW - 4		01/18/10	3974.53	-	sheen	52.02	0.00	3922.51
MW - 4		02/02/10	3974.53	-	sheen	52.02	0.00	3922.51
MW - 4		02/11/10	3974.53	-	sheen	52.01	0.00	3922.52
MW - 4		02/18/10	3974.53	-	sheen	51.99	0.00	3922.54
MW - 4		02/25/10	3974.53	-	sheen	52.02	0.00	3922.51
MW - 4		03/02/10	3974.53	-	sheen	52.09	0.00	3922.44
MW - 4		03/04/10	3974.53	-	sheen	51.92	0.00	3922.61
MW - 4		03/10/10	3974.53	-	sheen	51.99	0.00	3922.54
MW - 4		03/12/10	3974.53	-	sheen	52.05	0.00	3922.48
MW - 4		03/15/10	3974.53	-	sheen	51.99	0.00	3922.54
MW - 4		03/18/10	3974.53	-	sheen	52.00	0.00	3922.53
MW - 4		03/22/10	3974.53	-	-	52.05	0.00	3922.48
MW - 4		03/24/10	3974.53	-	-	52.08	0.00	3922.45
MW - 4		03/30/10	3974.53	-	sheen	52.04	0.00	3922.49
MW - 4		04/07/10	3974.53	-	sheen	52.07	0.00	3922.46
MW - 4		04/12/10	3974.53	-	sheen	51.98	0.00	3922.55
MW - 4		04/16/10	3974.53	-	sheen	52.29	0.00	3922.24
MW - 4		04/20/10	3974.53	-	-	52.18	0.00	3922.35
MW - 4		04/27/10	3974.53	-	sheen	52.24	0.00	3922.29
MW - 4		04/30/10	3974.53	-	-	52.17	0.00	3922.36
MW - 4		05/12/10	3974.53	-	sheen	52.23	0.00	3922.30
MW - 4		05/14/10	3974.53	-	-	52.18	0.00	3922.35

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4		05/17/10	3974.53	-	-	52.37	0.00	3922.16
MW - 4		05/20/10	3974.53	-	sheen	52.25	0.00	3922.28
MW - 4		05/25/10	3974.53	-	sheen	52.10	0.00	3922.43
MW - 4		06/01/10	3974.53	-	sheen	52.09	0.00	3922.44
MW - 4		06/09/10	3974.53	-	sheen	52.07	0.00	3922.46
MW - 4		06/16/10	3974.53	-	sheen	52.05	0.00	3922.48
MW - 4		06/28/10	3974.53	-	52.15	52.16	0.01	3922.38
MW - 4		07/09/10	3974.53	-	sheen	52.07	0.00	3922.46
MW - 4		07/14/10	3974.53	-	sheen	51.96	0.00	3922.57
MW - 4		07/23/10	3974.53	-	sheen	51.95	0.00	3922.58
MW - 4		07/29/10	3974.53	-	sheen	51.94	0.00	3922.59
MW - 4		08/05/10	3974.53	-	sheen	51.95	0.00	3922.58
MW - 4		08/12/10	3974.53	-	sheen	51.97	0.00	3922.56
MW - 4		08/16/10	3974.53	-	sheen	51.97	0.00	3922.56
MW - 4		08/18/10	3974.53	-	sheen	51.95	0.00	3922.58
MW - 4		08/25/10	3974.53	-	sheen	52.03	0.00	3922.50
MW - 4		09/09/10	3974.53	-	sheen	51.95	0.00	3922.58
MW - 4		09/30/10	3974.53	-	sheen	51.95	0.00	3922.58
MW - 4		10/07/10	3974.53	-	sheen	52.00	0.00	3922.53
MW - 4		10/14/10	3974.53	-	sheen	52.19	0.00	3922.34
MW - 4		10/21/10	3974.53	-	sheen	52.21	0.00	3922.32
MW - 4		11/04/10	3974.53	-	sheen	52.02	0.00	3922.51
MW - 4		11/10/10	3974.53	-	sheen	52.27	0.00	3922.26
MW - 4		12/01/10	3974.53	-	sheen	51.99	0.00	3922.54
MW - 4		12/08/10	3974.53	-	sheen	52.13	0.00	3922.40
MW - 4		01/26/11	3974.53	-	-	51.99	0.00	3922.54
MW - 4		02/28/11	3974.53	-	-	52.24	0.00	3922.29
MW - 4		03/04/11	3974.53	-	-	52.00	0.00	3922.53
MW - 4		03/09/11	3974.53	-	52.09	52.11	0.02	3922.44
MW - 4		04/28/11	3974.53	-	-	52.03	0.00	3922.50
MW - 4		05/04/11	3974.53	-	-	52.02	0.00	3922.51
MW - 4		05/11/11	3974.53	-	-	52.10	0.00	3922.43
MW - 4		05/12/11	3974.53	-	-	51.97	0.00	3922.56
MW - 4		05/18/11	3974.53	-	-	52.02	0.00	3922.51
MW - 4		05/23/11	3974.53	-	-	52.07	0.00	3922.46
MW - 4		06/08/11	3974.53	-	-	52.07	0.00	3922.46
MW - 4		06/16/11	3974.53	-	-	52.05	0.00	3922.48
MW - 4		06/22/11	3974.53	-	-	52.03	0.00	3922.50
MW - 4		06/30/11	3974.53	-	-	52.02	0.00	3922.51
MW - 4		07/06/11	3974.53	-	-	51.97	0.00	3922.56
MW - 4		07/13/11	3974.53	-	-	52.14	0.00	3922.39
MW - 4		07/15/11	3974.53	-	-	52.02	0.00	3922.51
MW - 4		07/19/11	3974.53	-	-	52.01	0.00	3922.52
MW - 4		07/21/11	3974.53	-	-	51.96	0.00	3922.57
MW - 4		07/26/11	3974.53	-	-	51.98	0.00	3922.55
MW - 4		07/28/11	3974.53	-	-	51.95	0.00	3922.58
MW - 4		08/02/11	3974.53	-	-	52.12	0.00	3922.41
MW - 4		08/09/11	3974.53	-	-	51.93	0.00	3922.60
MW - 4		08/12/11	3974.53	-	-	51.99	0.00	3922.54
MW - 4		08/15/11	3974.53	-	-	51.99	0.00	3922.54
MW - 4		08/16/11	3974.53	-	-	52.10	0.00	3922.43
MW - 4		08/19/11	3974.53	-	-	52.12	0.00	3922.41
MW - 4		08/23/11	3974.53	-	-	52.09	0.00	3922.44
MW - 4		08/26/11	3974.53	-	-	52.12	0.00	3922.41
MW - 4		08/30/11	3974.53	-	-	52.06	0.00	3922.47
MW - 4		09/01/11	3974.53	-	-	52.09	0.00	3922.44
MW - 4		09/08/11	3974.53	-	-	52.14	0.00	3922.39
MW - 4		09/13/11	3974.53	-	-	52.09	0.00	3922.44
MW - 4		09/15/11	3974.53	-	-	52.14	0.00	3922.39
MW - 4		09/22/11	3974.53	-	-	51.98	0.00	3922.55
MW - 4		10/06/11	3974.53	-	-	51.98	0.00	3922.55
MW - 4		10/11/11	3974.53	-	-	52.06	0.00	3922.47
MW - 4		10/13/11	3974.53	-	-	52.16	0.00	3922.37
MW - 4		10/26/11	3974.53	-	-	52.09	0.00	3922.44
MW - 4		11/22/11	3974.53	-	-	52.12	0.00	3922.41
MW - 4		12/02/11	3974.53	-	-	52.03	0.00	3922.50
MW - 4		12/29/11	3974.53	-	-	51.98	0.00	3922.55
MW - 4		01/26/12	3974.53	-	-	52.06	0.00	3922.47
MW - 4		01/31/12	3974.53	-	-	52.72	0.00	3921.81
MW - 4		02/15/12	3974.53	-	-	51.97	0.00	3922.56
MW - 4		02/28/12	3974.53	-	-	52.02	0.00	3922.51
MW - 4		03/20/12	3974.53	-	52.03	52.11	0.08	3922.49

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4		03/27/12	3974.53	-	52.03	52.05	0.02	3922.50
MW - 4		04/10/12	3974.53	-	52.04	52.13	0.09	3922.48
MW - 4		04/19/12	3974.53	-	-	52.06	0.00	3922.47
MW - 4		04/26/12	3974.53	-	-	51.98	0.00	3922.55
MW - 4		05/08/12	3974.53	-	-	51.99	0.00	3922.54
MW - 4		05/15/12	3974.53	-	-	51.99	0.00	3922.54
MW - 4		05/17/12	3974.53	-	-	51.97	0.00	3922.56
MW - 4		06/05/12	3974.53	-	-	52.07	0.00	3922.46
MW - 4		06/21/12	3974.53	-	-	52.18	0.00	3922.35
MW - 4		06/28/12	3974.53	-	-	52.24	0.00	3922.29
MW - 4		07/17/12	3974.53	-	-	53.08	0.00	3921.45
MW - 4		08/01/12	3974.53	-	-	52.08	0.00	3922.45
MW - 4		10/02/12	3974.53	-	52.14	52.19	0.05	3922.38
MW - 4		10/09/12	3974.53	-	-	52.16	0.00	3922.37
MW - 4		10/16/12	3974.53	-	52.12	52.13	0.01	3922.41
MW - 4		10/25/12	3974.53	-	-	52.16	0.00	3922.37
MW - 4		10/30/12	3974.53	-	-	52.14	0.00	3922.39
MW - 4		11/29/12	3974.53	-	-	52.22	0.00	3922.31
MW - 4		12/14/12	3974.53	-	52.18	52.19	0.01	3922.35
MW - 4		02/11/13	3974.53	-	-	52.15	0.00	3922.38
MW - 4		04/11/13	3974.53	-	-	52.35	0.00	3922.18
MW - 4		04/15/13	3974.53	-	-	52.32	0.00	3922.21
MW - 4		04/22/13	3974.53	-	52.13	52.15	0.02	3922.40
MW - 4		05/06/13	3974.53	-	52.15	52.18	0.03	3922.38
MW - 4		05/09/13	3974.53	-	-	52.15	0.00	3922.38
MW - 4		05/20/13	3974.53	-	-	52.17	0.00	3922.36
MW - 4		05/24/13	3974.53	-	-	52.31	0.00	3922.22
MW - 4		05/29/13	3974.53	-	-	52.35	0.00	3922.18
MW - 4		05/31/13	3974.53	-	-	52.24	0.00	3922.29
MW - 4		06/07/13	3974.53	-	52.39	52.40	0.01	3922.14
MW - 4		06/12/13	3974.53	-	-	52.36	0.00	3922.17
MW - 4		06/14/13	3974.53	-	-	52.33	0.00	3922.20
MW - 4		06/19/13	3974.53	-	-	52.45	0.00	3922.08
MW - 4		06/21/13	3974.53	-	-	52.39	0.00	3922.14
MW - 4		06/25/13	3974.53	-	-	52.16	0.00	3922.37
MW - 4		06/26/13	3974.53	-	-	52.34	0.00	3922.19
MW - 4		07/03/13	3974.53	-	52.38	52.39	0.01	3922.15
MW - 4		07/09/13	3974.53	-	52.39	52.43	0.04	3922.13
MW - 4		07/11/13	3974.53	-	-	52.38	0.00	3922.15
MW - 4		07/24/13	3974.53	-	-	52.35	0.00	3922.18
MW - 4		07/26/13	3974.53	-	-	52.34	0.00	3922.19
MW - 4		07/31/13	3974.53	-	-	52.25	0.00	3922.28
MW - 4		08/02/13	3974.53	-	-	52.33	0.00	3922.20
MW - 4		08/06/13	3974.53	64.63	-	52.26	0.00	3922.27
MW - 4		08/14/13	3974.53	-	-	52.28	0.00	3922.25
MW - 4		08/21/13	3974.53	-	-	52.37	0.00	3922.16
MW - 4		08/26/13	3974.53	-	-	52.36	0.00	3922.17
MW - 4		09/06/13	3974.53	-	-	52.35	0.00	3922.18
MW - 4		08/30/13	3974.53	-	-	52.30	0.00	3922.23
MW - 4		09/13/13	3974.53	-	-	52.30	0.00	3922.23
MW - 4		09/27/13	3974.53	-	-	52.36	0.00	3922.17
MW - 4		09/30/13	3974.53	-	-	52.35	0.00	3922.18
MW - 4		10/02/13	3974.53	-	-	52.44	0.00	3922.09
MW - 4		10/03/13	3974.53	-	-	52.33	0.00	3922.20
MW - 4		10/11/13	3974.53	-	-	52.26	0.00	3922.27
MW - 4		10/17/13	3974.53	-	-	52.28	0.00	3922.25
MW - 4		10/22/13	3974.53	-	-	52.28	0.00	3922.25
MW - 4		10/24/13	3974.53	-	-	52.41	0.00	3922.12
MW - 4		10/30/13	3974.53	-	-	52.36	0.00	3922.17
MW - 4		11/01/13	3974.53	-	-	52.27	0.00	3922.26
MW - 4		11/04/13	3974.53	-	-	52.30	0.00	3922.23
MW - 4		11/08/13	3974.53	-	-	52.40	0.00	3922.13
MW - 4		11/13/13	3974.53	-	-	52.28	0.00	3922.25
MW - 4		11/15/13	3974.53	-	-	52.28	0.00	3922.25
MW - 4		11/19/13	3974.53	64.49	-	52.33	0.00	3922.20
MW - 4		12/08/13	3974.53	64.49	52.28	52.31	0.03	3922.25
MW - 4		12/12/13	3974.53	-	-	52.30	0.00	3922.23
MW - 4		12/16/13	3974.53	-	52.31	52.32	0.01	3922.22
MW - 4		12/18/13	3974.53	-	-	52.35	0.00	3922.18
MW - 4		12/23/13	3974.53	-	-	52.35	0.00	3922.18
MW - 4		12/30/13	3974.53	-	-	52.33	0.00	3922.20
MW - 4		01/01/14	3974.53	-	-	52.31	0.00	3922.22

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4		01/06/14	3974.53	-	-	52.30	0.00	3922.23
MW - 4		01/15/14	3974.53	-	-	52.42	0.00	3922.11
MW - 4	David F.	01/17/14	3974.53	-	-	52.31	0.00	3922.22
MW - 4	David F.	01/20/14	3974.53	-	-	52.45	0.00	3922.08
MW - 4		01/22/14	3974.53	-	-	52.47	0.00	3922.06
MW - 4	John Flores	01/29/14	3974.53	-	-	52.34	0.00	3922.19
MW - 4	David/Jose	02/04/14	3974.53	64.49	-	52.32	0.00	3922.21
MW - 4		02/13/14	3974.53	-	-	52.36	0.00	3922.17
MW - 4	David F.	02/21/14	3974.53	-	-	52.47	0.00	3922.06
MW - 4	David F.	02/26/14	3974.53	-	52.59	53.03	0.44	3921.87
MW - 4	John F.	03/12/14	3974.53	-	-	52.42	0.00	3922.11
MW - 4	John F.	03/14/14	3974.53	-	-	52.43	0.00	3922.10
MW - 4	John & Jose	03/17/14	3974.53	-	-	52.41	0.00	3922.12
MW - 4	David F.	03/24/14	3974.53	-	-	52.35	0.00	3922.18
MW - 4	David & Jose	03/26/14	3974.53	-	-	52.39	0.00	3922.14
MW - 4	Baer	04/09/14	3974.53	-	-	51.28	0.00	3923.25
MW - 4	Baer	04/18/14	3974.53	-	52.28	52.30	0.02	3922.25
MW - 4	Manny & Chance	04/21/14	3974.53	-	-	52.28	0.00	3922.25
MW - 4	Manny & Chance	04/28/14	3974.53	-	52.29	52.30	0.01	3922.24
MW - 4	Manny & Chance	05/09/14	3974.53	-	52.32	52.47	0.15	3922.19
MW - 4	Jose	05/12/14	3974.53	-	52.36	52.42	0.06	3922.16
MW - 4	Manny & Chance	05/19/14	3974.53	-	52.31	52.35	0.04	3922.21
MW - 4		05/28/14	3974.53	-	52.37	52.40	0.03	3922.16
MW - 4		06/04/14	3974.53	-	52.33	52.40	0.07	3922.19
MW - 4	Manny	06/13/14	3974.53	-	52.42	52.49	0.07	3922.10
MW - 4	Jpse	06/16/14	3974.53	-	52.31	52.34	0.03	3922.22
MW - 4	Manny	07/02/14	3974.53	-	52.33	52.41	0.08	3922.19
MW - 4	Manny	07/07/14	3974.53	-	-	52.36	0.00	3922.17
MW - 4	Manny	07/18/14	3974.53	-	-	52.58	0.00	3921.95
MW - 4	Manny & Chance	07/30/14	3974.53	-	52.38	52.40	0.02	3922.15
MW - 4	Manny	08/11/14	3974.53	-	52.40	52.43	0.03	3922.13
MW - 4	Manny & Chance	08/22/14	3974.53	-	52.40	52.47	0.07	3922.12
MW - 4	Manny & Chance	08/23/14	3974.53	-	52.40	52.47	0.07	3922.12
MW - 4	Manny & Chance	09/10/14	3974.53	-	52.45	52.56	0.11	3922.06
MW - 4	Manny	09/15/14	3974.53	-	-	-	-	-
MW - 4	Manny	09/23/14	3974.53	-	52.46	52.58	0.12	3922.05
MW - 4	David F.	09/25/14	3974.53	-	52.65	52.68	0.03	3921.88
MW - 4	Manny	10/03/14	3974.53	-	52.46	52.51	0.05	3922.06
MW - 4	Chance	10/15/14	3974.53	-	52.49	52.54	0.05	3922.03
MW - 4	Manny	10/17/14	3974.53	-	52.58	52.64	0.06	3921.94
MW - 4	Chance	10/22/14	3974.53	-	-	-	-	-
MW - 4	Chance	10/24/14	3974.53	-	52.56	52.59	0.03	3921.97
MW - 4	Chance	10/27/14	3974.53	-	52.54	52.58	0.04	3921.98
MW - 4	Manny	10/31/14	3974.53	-	52.40	52.42	0.02	3922.13
MW - 4	Chance	11/03/14	3974.53	-	52.53	52.59	0.06	3921.99
MW - 4	Manny & Chance	11/10/14	3974.53	-	52.40	52.46	0.06	3922.12
MW - 4	Manny	11/14/14	3974.53	-	52.38	52.44	0.06	3922.14
MW - 4	Manny	11/17/14	3974.53	-	-	52.40	0.00	3922.13
MW - 4	Manny	11/18/14	3974.53	-	52.40	52.44	0.04	3922.12
MW - 4	Chance	11/21/14	3974.53	-	52.39	52.46	0.07	3922.13
MW - 4	Manny	12/03/14	3974.53	-	52.38	52.49	0.11	3922.13
MW - 4	Manny	12/05/14	3974.53	-	52.40	52.44	0.04	3922.12
MW - 4	Chance	12/12/14	3974.53	-	52.41	52.51	0.10	3922.11
MW - 4	Chance	12/15/14	3974.53	-	52.41	52.51	0.10	3922.11
MW - 4	Chance	12/19/14	3974.53	-	51.97	52.08	0.11	3922.54
MW - 4	Chance	12/22/14	3974.53	-	51.95	52.04	0.09	3922.57
MW - 4	Chance	01/05/15	3974.53	-	51.91	52.06	0.15	3922.60
MW - 4	manny	01/09/15	3974.53	-	52.35	52.52	0.17	3922.15
MW - 4	Carlos	01/14/15	3974.53	-	52.35	52.54	0.19	3922.15
MW - 4	Chance/Carlos	01/21/15	3974.53	-	51.92	52.08	0.16	3922.59
MW - 4	Carlos	02/18/15	3974.53	-	52.40	52.73	0.33	3922.08
MW - 4	Manny/Art	02/19/15	3974.53	-	52.35	52.49	0.14	3922.16
MW - 4	Carlos/Art	03/09/15	3974.53	-	51.92	52.09	0.17	3922.58
MW - 4	Carlos/Matt	03/11/15	3974.53	-	52.33	52.57	0.24	3922.16
MW - 4	Carlos	03/18/15	3974.53	-	52.31	52.57	0.26	3922.18
MW - 4	Chance/Art	03/31/15	3974.53	-	51.94	52.06	0.12	3922.57
MW - 4	Carlos/Matt	04/09/15	3974.53	-	52.28	52.59	0.31	3922.20
MW - 4	Carlos	04/15/15	3974.53	-	52.27	52.60	0.33	3922.21
MW - 4	Arthur	04/22/15	3974.53	-	52.28	52.65	0.37	3922.19
MW - 4	Manny/Art	05/12/15	3974.53	-	52.31	52.59	0.28	3922.18
MW - 4	Chance/Carlos	05/26/15	3974.53	-	51.93	52.07	0.14	3922.58
MW - 4	Carlos	06/01/15	3974.53	-	52.30	52.58	0.28	3922.19

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4	Arthur/ Chance	06/04/15	3974.53	-	52.32	52.59	0.27	3922.17
MW - 4	Carlos	06/22/15	3974.53	-	52.42	52.80	0.38	3922.05
MW - 4	Carlos	06/26/15	3974.53	-	52.42	52.77	0.35	3922.06
MW - 4	Fernando	07/22/15	3974.53	-	52.27	52.53	0.26	3922.22
MW - 4	Matt/Carlos	07/27/15	3974.53	-	52.43	52.73	0.30	3922.06
MW - 4	Manny/Matt	08/18/15	3974.53	-	52.32	52.56	0.24	3922.17
MW - 4		09/09/15	3974.53	-	52.49	52.87	0.38	3921.98
MW - 4		09/30/15	3974.53	-	52.56	53.00	0.44	3921.90
MW - 4	Carlos	10/08/15	3974.53	-	52.48	52.64	0.16	3922.03
MW - 4	Manny	10/16/15	3974.53	-	52.54	52.76	0.22	3921.96
MW - 4	Fernando	10/21/15	3974.53	-	52.40	52.55	0.15	3922.11
MW - 4	Fernando	11/18/15	3974.53	-	52.54	52.65	0.11	3921.97
MW - 4	Carlos	11/23/15	3974.53	-	52.40	52.58	0.18	3922.10
MW - 4	Mark	12/04/15	3974.53	-	52.36	52.55	0.19	3922.14
MW - 4	Fernando	12/09/15	3974.53	-	52.55	52.85	0.30	3921.94
MW - 4	Carlos	01/12/16	3974.53	-	52.41	52.63	0.22	3922.09
MW - 4	Fernando	01/22/16	3974.53	-	52.39	52.60	0.21	3922.11
MW - 4	Fernando	01/25/16	3974.53	-	52.45	52.50	0.05	3922.07
MW - 4	Carlos	02/12/16	3974.53	-	52.47	52.75	0.28	3922.02
MW - 4	Fernando	02/17/16	3974.53	-	52.43	52.61	0.18	3922.07
MW - 4	Fernando/ Carlos	02/24/16	3974.53	-	52.37	52.54	0.17	3922.13
MW - 4	Manny	03/09/16	3974.53	-	52.47	52.74	0.27	3922.02
MW - 4	Carlos	03/30/16	3974.53	-	52.46	52.66	0.20	3922.04
MW - 4	Fernando	04/13/16	3974.53	-	52.40	52.65	0.25	3922.09
MW - 4	Carlos	04/27/16	3974.53	-	52.48	52.50	0.02	3922.05
MW - 4	Mark	05/11/16	3974.53	-	52.47	52.48	0.01	3922.06
MW - 4	Manny	06/03/16	3974.53	-	52.49	52.60	0.11	3922.02
MW - 4	Carlos	06/13/16	3974.53	-	52.42	52.45	0.03	3922.11
MW - 4	Carlos	07/01/16	3974.53	-	52.50	52.59	0.09	3922.02
MW - 4	Manny	07/08/16	3974.53	-	52.52	52.59	0.07	3922.00
MW - 4	Fernando	07/12/16	3974.53	-	52.10	52.50	0.40	3922.37
MW - 4	Carlos	07/18/16	3974.53	-	52.49	52.54	0.05	3922.03
MW - 4	Fernando	08/02/16	3974.53	-	52.50	52.55	0.05	3922.02
MW - 4	Carlos	08/12/16	3974.53	-	-	52.59	0.00	3921.94
MW - 4	Carlos	08/17/16	3974.53	-	-	52.53	0.00	3922.00
MW - 4	Manny	09/21/16	3974.53	-	-	52.53	0.00	3922.00
MW - 4	Wesley/ David	10/21/16	3974.53	-	-	52.49	0.00	3922.04
MW - 4	Carlos	10/24/16	3974.53	-	-	52.67	0.00	3921.86
MW - 4	Wesley	10/26/16	3974.53	-	-	52.60	0.00	3921.93
MW - 4	Carlos	10/31/16	3974.53	-	-	52.62	0.00	3921.91
MW - 4	Wesley	11/21/16	3974.53	-	-	52.49	0.00	3922.04
MW - 4	Carlos	11/28/16	3974.53	64.52	-	52.47	0.00	3922.06
MW - 4	Wesley	12/07/16	3974.53	-	-	52.55	0.00	3921.98
MW - 4	Wesley	12/21/16	3974.53	-	-	52.46	0.00	3922.07
MW - 4	Wesley	01/04/17	3974.53	-	-	52.45	0.00	3922.08
MW - 4	Wesley	01/12/17	3974.53	-	-	52.46	0.00	3922.07
MW - 4	Wesley	01/26/17	3974.53	-	-	52.57	0.00	3921.96
MW - 4	Wesley	02/07/17	3974.53	-	-	52.50	0.00	3922.03
MW - 4	Carlos	02/21/17	3974.53	64.61	-	52.45	0.00	3922.08
MW - 4	Wesley	02/23/17	3974.53	-	-	52.44	0.00	3922.09
MW - 4	Carlos	03/08/17	3974.53	-	-	52.55	0.00	3921.98
MW - 4	Wesley	04/07/17	3974.53	-	52.43	52.45	0.02	3922.10
MW - 4	Wesley	04/18/17	3974.53	-	52.44	52.46	0.02	3922.09
MW - 4	Jeremy	05/10/17	3974.53	-	52.48	52.69	0.21	3922.02
MW - 4	Jeremy	05/24/17	3974.53	-	52.39	52.59	0.20	3922.11
MW - 4	Wesley	06/02/17	3974.53	-	52.39	52.63	0.24	3922.10
MW - 4	Jeremy/ Wesley	07/12/17	3974.53	-	52.45	52.88	0.43	3922.02
MW - 4	Wesley	07/19/17	3974.53	-	52.44	52.83	0.39	3922.03
MW - 4	Wesley	07/27/17	3974.53	-	52.42	52.81	0.39	3922.05
MW - 4	Jeremy	08/11/17	3974.53	-	52.47	52.83	0.36	3922.01
MW - 4	Wesley	08/24/17	3974.53	-	52.44	52.91	0.47	3922.02
MW - 4	Wesley	09/05/17	3974.53	-	52.45	52.96	0.51	3922.00
MW - 4	Jeremy	10/18/17	3974.53	-	52.52	53.08	0.56	3921.93
MW - 4	Jeremy	10/25/17	3974.53	-	52.51	53.98	1.47	3921.80
MW - 4	Jeremy	11/01/17	3974.53	-	52.51	53.97	1.46	3921.80
MW - 4	Jeremy/ Wesley	11/28/17	3974.53	-	52.49	52.93	0.44	3921.97
MW - 4	Jeremy	12/19/17	3974.53	65.05	52.48	52.93	0.45	3921.98
MW - 4	Jeremy	01/16/18	3974.53	-	52.51	52.89	0.38	3921.96
MW - 4	Jeremy	01/30/18	3974.53	-	52.49	52.81	0.32	3921.99
MW - 4	Jeremy	02/06/18	3974.53	-	52.56	52.78	0.22	3921.94
MW - 4	Jeremy	02/13/18	3974.53	-	52.57	52.81	0.24	3921.92
MW - 4	Jeremy	02/26/18	3974.53	-	52.50	52.69	0.19	3922.00

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4	Jeremy	04/03/18	3974.53	-	52.47	52.76	0.29	3922.02
MW - 4	Jeremy	04/17/18	3974.53	-	52.47	52.86	0.39	3922.00
MW - 4	Jeremy	05/07/18	3974.53	-	52.51	52.93	0.42	3921.96
MW - 4	Jeremy	06/21/18	3974.53	-	52.51	53.11	0.60	3921.93
MW - 4	Jeremy	06/26/18	3974.53	-	52.48	53.07	0.59	3921.96
MW - 4	Jeremy	07/12/18	3974.53	-	52.52	52.94	0.42	3921.95
MW - 4	Jeremy	07/17/18	3974.53	-	52.53	52.96	0.43	3921.94
MW - 4	Jeremy/ Fernando	08/01/18	3974.53	-	52.56	52.88	0.32	3921.92
MW - 4	Jeremy	08/09/18	3974.53	-	52.57	52.82	0.25	3921.92
MW - 4	Wesley	08/23/18	3974.53	-	52.59	52.88	0.29	3921.90
MW - 4	Jeremy	08/30/18	3974.53	-	52.62	52.78	0.16	3921.89
MW - 4	Jeremy	08/31/18	3974.53	-	52.61	52.83	0.22	3921.89
MW - 4	Jeremy	09/11/18	3974.53	-	52.61	52.74	0.13	3921.90
MW - 4	Jeremy	09/19/18	3974.53	-	52.63	52.76	0.13	3921.88
MW - 4	Jeremy	11/01/18	3974.53	-	52.66	52.73	0.07	3921.86
MW - 4	Jeremy	11/05/18	3974.53	-	52.63	52.68	0.05	3921.89
MW - 4	Jeremy	10/16/18	3974.53	-	52.63	52.80	0.17	3921.87
MW - 4	Jeremy/Derek	11/14/18	3974.53	-	52.64	52.68	0.04	3921.88
MW - 4	Jeremy	12/04/18	3974.53	-	52.64	52.84	0.20	3921.86
MW - 4	Jeremy	12/06/18	3974.53	-	52.63	52.80	0.17	3921.87
MW - 4	Jeremy	12/18/18	3974.53	-	52.66	52.75	0.09	3921.86
MW - 4	Jeremy	12/20/18	3974.53	-	52.65	52.83	0.18	3921.85
MW - 4	Jeremy	12/26/18	3974.53	-	-	52.66	0.00	3921.87
MW - 4	Jeremy	01/08/19	3974.53	-	-	52.67	0.00	3921.86
MW - 4	Jeremy	01/10/19	3974.53	-	-	52.65	0.00	3921.88
MW - 4	Jeremy	01/15/19	3974.53	-	-	52.69	0.00	3921.84
MW - 4	Jeremy	01/24/19	3974.53	-	-	52.93	0.00	3921.60
MW - 4	Jeremy	02/11/19	3974.53	-	-	52.71	0.00	3921.82
MW - 4	Jeremy	02/18/19	3974.53	62.59	-	52.72	0.00	3921.81
MW - 4	Jeremy	04/16/19	3974.53	-	-	52.98	0.00	3921.55
MW - 4	Manny/Elias	04/23/19	3974.53	-	-	52.75	0.00	3921.78
MW - 4	Manny/Elias	04/30/19	3974.53	-	52.65	52.68	0.03	3921.88
MW - 4	Manny/Elias	05/07/19	3974.53	-	-	52.64	0.00	3921.89
MW - 4	Jeremy	05/09/19	3974.53	-	-	52.70	0.00	3921.83
MW - 4	Jeremy	05/14/19	3974.53	-	-	52.61	0.00	3921.92
MW - 4	Jeremy	06/04/19	3974.53	-	-	53.01	0.00	3921.52
MW - 4	Jeremy	06/11/19	3974.53	-	-	53.05	0.00	3921.48
MW - 4	Jeremy	06/13/19	3974.53	-	-	53.43	0.00	3921.10
MW - 4	Jeremy	06/17/19	3974.53	-	-	53.36	0.00	3921.17
MW - 4	Jeremy	07/01/19	3974.53	-	-	52.74	0.00	3921.79
MW - 4	Jeremy	07/02/19	3974.53	-	-	52.68	0.00	3921.85
MW - 4	Jeremy	08/19/19	3974.53	64.58	-	52.87	0.00	3921.66
MW - 4	Jeremy	08/29/19	3974.53	-	-	52.80	0.00	3921.73
MW - 4	Jeremy	09/03/19	3974.53	-	-	52.86	0.00	3921.67
MW - 4	Jeremy	09/10/19	3974.53	-	-	53.02	0.00	3921.51
MW - 4	Jeremy	11/11/19	3974.53	64.56	-	53.12	0.00	3921.41
MW - 4	Jeremy	11/15/19	3974.53	-	52.80	52.96	0.00	3921.57
MW - 4	Fernando	01/08/20	3974.53	-	52.72	53.18	0.46	3921.74
MW - 4	Fernando	02/13/20	3974.53	-	52.75	52.85	0.10	3921.77
MW - 4	Elias	02/18/20	3974.53	-	52.75	52.90	0.15	3921.76
MW - 4	Scott	05/05/20	3974.53	-	52.66	53.50	0.84	3921.74
MW - 4	Manny	06/11/20	3974.53	-	52.69	53.71	1.02	3921.69
MW - 4	Manny	09/23/20	3974.53	-	52.70	54.16	1.46	3921.61
MW - 4	Manny	12/04/20	3974.53	-	52.68	54.36	1.68	3921.60
MW - 4	Manny	03/23/21	3974.53	64.52	52.65	54.67	2.02	3921.58
MW - 4	Manny	06/04/21	3974.53	-	52.62	54.85	2.23	3921.58
MW - 4	Fernando	08/12/21	3974.53	-	52.71	55.00	2.29	3921.48
MW - 4	Manny	09/30/21	3974.53	-	52.90	54.24	1.34	3921.43
MW - 4	Manny	12/09/21	3974.53	64.16	52.98	53.68	0.70	3921.45
MW - 4	Manny	02/17/22	3974.53	-	52.92	54.10	1.18	3921.43
MW - 4	Manny	05/18/22	3974.53	-	52.85	54.74	1.89	3921.40
MW - 4	Manny	08/09/22	3974.53	-	53.03	54.45	1.42	3921.29
MW - 4	Manny	01/06/23	3974.53	-	52.99	55.14	2.15	3921.22
MW - 4	Manny	11/14/22	3974.53	-	53.03	54.98	1.95	3921.21
MW - 4	Manny	01/16/23	3974.53	-	53.23	53.88	0.65	3921.20
MW - 4	Manny	02/14/23	3974.53	-	53.24	53.83	0.59	3921.20
MW - 4	Manny	05/16/23	3974.53	-	53.17	54.36	1.19	3921.18
MW - 4	Manny	08/08/23	3974.53	-	53.18	54.88	1.70	3921.10
MW - 4	Manny	12/07/23	3974.53	-	53.24	55.12	1.88	3921.01
MW - 4	Manny	03/06/24	3974.53	-	53.04	55.58	2.54	3921.11
MW - 4	Manny	05/23/24	3974.53	-	53.05	55.81	2.76	3921.07
MW - 4	Manny	09/18/24	3974.53	-	53.10	56.16	3.06	3920.97

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 4	Manny	12/11/24	3974.53	63.42	53.11	56.24	3.13	3920.95
MW - 5		03/02/00	3974.28	-	52.09	55.50	3.41	3921.68
MW - 5		04/25/00	3974.28	-	52.04	55.59	3.55	3921.71
MW - 5		09/06/00	3974.28	-	52.11	55.48	3.37	3921.66
MW - 5		11/28/00	3974.28	-	52.21	55.46	3.25	3921.58
MW - 5		02/21/01	3974.28	-	52.07	55.40	3.33	3921.71
MW - 5		05/31/01	3974.28	-	52.11	55.48	3.37	3921.66
MW - 5		08/23/01	3974.28	-	52.08	55.45	3.37	3921.69
MW - 5		11/21/01	3974.28	-	52.20	55.43	3.23	3921.60
MW - 5		02/13/02	3974.28	-	52.14	55.43	3.29	3921.65
MW - 5		06/12/02	3974.28	-	52.04	55.65	3.61	3921.70
MW - 5		08/26/02	3974.28	-	52.04	55.68	3.64	3921.69
MW - 5		11/08/02	3974.28	-	52.71	52.97	0.26	3921.53
MW - 5		11/21/02	3974.28	-	52.73	53.01	0.28	3921.51
MW - 5		12/27/02	3974.28	-	52.24	55.09	2.85	3921.61
MW - 5		01/06/03	3974.28	-	52.30	54.80	2.50	3921.61
MW - 5		01/08/03	3974.28	-	52.41	54.24	1.83	3921.60
MW - 5		01/10/03	3974.28	-	52.71	52.96	0.25	3921.53
MW - 5		01/13/03	3974.28	-	52.69	52.93	0.24	3921.55
MW - 5		02/05/03	3974.28	-	52.68	52.94	0.26	3921.56
MW - 5		02/26/03	3974.28	-	52.20	56.05	3.85	3921.50
MW - 5		03/04/03	3974.28	-	52.19	56.07	3.88	3921.51
MW - 5		03/12/03	3974.28	-	52.22	55.12	2.90	3921.63
MW - 5		03/18/03	3974.28	-	52.74	52.96	0.22	3921.51
MW - 5		03/25/03	3974.28	-	52.68	53.04	0.36	3921.55
MW - 5		03/31/03	3974.28	-	52.64	53.12	0.48	3921.57
MW - 5		04/09/03	3974.28	-	52.68	52.91	0.23	3921.57
MW - 5		04/14/03	3974.28	-	52.71	52.79	0.08	3921.56
MW - 5		05/07/03	3974.28	-	52.17	54.47	2.30	3921.77
MW - 5		05/08/03	3974.28	-	52.25	55.04	2.79	3921.61
MW - 5		05/13/03	3974.28	-	52.32	55.04	2.72	3921.55
MW - 5		05/21/03	3974.27	-	52.25	55.14	2.89	3921.59
MW - 5		05/27/03	3974.27	-	52.22	54.96	2.74	3921.64
MW - 5		05/28/03	3974.27	-	52.27	55.11	2.84	3921.57
MW - 5		06/03/03	3974.27	-	52.77	52.84	0.07	3921.49
MW - 5		06/10/03	3974.27	-	52.72	52.90	0.18	3921.52
MW - 5		07/01/03	3974.27	-	52.79	52.93	0.14	3921.46
MW - 5		07/08/03	3974.27	-	52.37	54.92	2.55	3921.52
MW - 5		07/29/03	3974.27	-	52.25	54.83	2.58	3921.63
MW - 5		08/04/03	3974.27	-	52.61	54.25	1.64	3921.41
MW - 5		08/18/03	3974.27	-	52.47	53.81	1.34	3921.60
MW - 5		08/25/03	3974.27	-	52.51	55.32	2.81	3921.34
MW - 5		10/01/03	3974.27	-	52.72	53.19	0.47	3921.48
MW - 5		10/06/03	3974.27	-	52.70	52.97	0.27	3921.53
MW - 5		10/08/03	3974.27	-	52.72	54.74	2.02	3921.25
MW - 5		10/15/03	3974.27	-	52.73	54.42	1.69	3921.29
MW - 5		11/12/03	3974.27	-	52.75	55.30	2.55	3921.14
MW - 5		11/19/03	3974.27	-	52.71	55.27	2.56	3921.18
MW - 5		12/01/03	3974.27	-	53.19	53.32	0.13	3921.06
MW - 5		12/10/03	3974.27	-	52.41	54.94	2.53	3921.48
MW - 5		02/05/04	3974.27	-	53.17	53.26	0.09	3921.09
MW - 5		02/17/04	3974.27	-	52.44	53.69	1.25	3921.64
MW - 5		02/25/04	3974.27	-	53.17	53.29	0.12	3921.08
MW - 5		03/09/04	3974.27	-	52.53	55.09	2.56	3921.36
MW - 5		03/16/04	3974.27	-	52.41	55.20	2.79	3921.44
MW - 5		03/22/04	3974.27	-	53.00	53.68	0.68	3921.17
MW - 5		04/07/04	3974.27	-	52.94	53.11	0.17	3921.30
MW - 5		04/12/04	3974.27	-	52.55	55.00	2.45	3921.35
MW - 5		04/19/04	3974.27	-	52.90	53.00	0.10	3921.36
MW - 5		05/05/04	3974.27	-	52.52	55.11	2.59	3921.36
MW - 5		05/11/04	3974.27	-	52.64	55.29	2.65	3921.23
MW - 5		06/07/04	3974.27	-	52.25	54.97	2.72	3921.61
MW - 5		06/15/04	3974.27	-	52.27	54.93	2.66	3921.60
MW - 5		06/20/04	3974.27	-	52.27	54.93	2.66	3921.60
MW - 5		06/21/04	3974.27	-	52.23	54.95	2.72	3921.63
MW - 5		06/28/04	3974.27	-	52.25	54.97	2.72	3921.61
MW - 5		07/08/04	3974.27	-	52.24	54.96	2.72	3921.62
MW - 5		07/12/04	3974.27	-	52.23	54.97	2.74	3921.63
MW - 5		08/12/04	3974.27	-	52.22	54.22	2.00	3921.75
MW - 5		08/17/04	3974.27	-	52.25	55.25	3.00	3921.57
MW - 5		08/26/04	3974.27	-	52.25	55.23	2.98	3921.57

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5		09/01/04	3974.27	-	52.27	55.20	2.93	3921.56
MW - 5		09/03/04	3974.27	-	52.30	55.16	2.86	3921.54
MW - 5		09/08/04	3974.27	-	52.27	55.24	2.97	3921.55
MW - 5		09/14/04	3974.27	-	52.27	55.20	2.93	3921.56
MW - 5		09/22/04	3974.27	-	52.33	55.10	2.77	3921.52
MW - 5		10/01/04	3974.27	-	52.27	55.22	2.95	3921.56
MW - 5		10/08/04	3974.27	-	52.28	55.20	2.92	3921.55
MW - 5		10/15/04	3974.27	-	52.23	54.91	2.68	3921.64
MW - 5		10/22/04	3974.27	-	52.21	55.16	2.95	3921.62
MW - 5		11/12/04	3974.27	-	52.41	53.24	0.83	3921.74
MW - 5		11/26/04	3974.27	-	52.34	54.80	2.46	3921.56
MW - 5		12/02/04	3974.27	-	52.39	54.80	2.41	3921.52
MW - 5		12/06/04	3974.27	-	52.55	53.97	1.42	3921.51
MW - 5		12/13/04	3974.27	-	52.87	53.35	0.48	3921.33
MW - 5		12/15/04	3974.27	-	52.87	53.35	0.48	3921.33
MW - 5		12/27/04	3974.27	-	52.69	53.20	0.51	3921.50
MW - 5		01/10/05	3974.27	-	52.20	54.68	2.48	3921.70
MW - 5		01/18/05	3974.27	-	52.26	54.65	2.39	3921.65
MW - 5		01/18/05	3974.27	-	sheen	52.40	0.00	3921.87
MW - 5		01/25/05	3974.27	-	52.17	54.70	2.53	3921.72
MW - 5		01/27/05	3974.27	-	52.18	54.57	2.39	3921.73
MW - 5		02/01/05	3974.27	-	52.14	54.71	2.57	3921.74
MW - 5		02/07/05	3974.27	-	52.10	54.67	2.57	3921.78
MW - 5		02/11/05	3974.27	-	52.11	54.65	2.54	3921.78
MW - 5		02/15/05	3974.27	-	52.09	54.63	2.54	3921.80
MW - 5		02/22/05	3974.27	-	52.10	54.60	2.50	3921.80
MW - 5		02/24/05	3974.27	-	52.08	54.58	2.50	3921.82
MW - 5		03/03/05	3974.27	-	52.02	54.89	2.87	3921.82
MW - 5		03/09/05	3974.27	-	52.03	54.89	2.86	3921.81
MW - 5		03/22/05	3974.27	-	52.05	54.25	2.20	3921.89
MW - 5		03/24/05	3974.27	-	52.05	54.25	2.20	3921.89
MW - 5		03/31/05	3974.27	-	52.08	54.21	2.13	3921.87
MW - 5		06/22/05	3974.27	-	52.02	54.80	2.78	3921.83
MW - 5		07/21/05	3974.27	-	51.94	54.57	2.63	3921.94
MW - 5		08/03/05	3974.27	-	51.97	54.44	2.47	3921.93
MW - 5		08/30/05	3974.27	-	51.96	54.45	2.49	3921.94
MW - 5		09/20/05	3974.27	-	51.94	54.39	2.45	3921.96
MW - 5		09/28/05	3974.27	-	51.92	54.39	2.47	3921.98
MW - 5		10/06/05	3974.27	-	51.86	54.64	2.78	3921.99
MW - 5		10/13/05	3974.27	-	51.89	54.63	2.74	3921.97
MW - 5		10/20/05	3974.27	-	51.89	54.60	2.71	3921.97
MW - 5		10/26/05	3974.27	-	51.88	54.89	3.01	3921.94
MW - 5		11/16/05	3974.27	-	51.86	54.58	2.72	3922.00
MW - 5		11/23/05	3974.27	-	51.93	54.55	2.62	3921.95
MW - 5		12/12/05	3974.27	-	51.83	54.54	2.71	3922.03
MW - 5		12/16/05	3974.27	-	51.99	53.20	1.21	3922.10
MW - 5		12/19/05	3974.27	-	51.89	54.80	2.91	3921.94
MW - 5		12/29/05	3974.27	-	51.94	54.57	2.63	3921.94
MW - 5		01/04/06	3974.27	-	51.99	54.50	2.51	3921.90
MW - 5		01/10/06	3974.27	-	51.90	54.52	2.62	3921.98
MW - 5		01/17/06	3974.27	-	51.85	54.50	2.65	3922.02
MW - 5		01/26/06	3974.27	-	51.83	54.47	2.64	3922.04
MW - 5		01/31/06	3974.27	-	51.86	54.51	2.65	3922.01
MW - 5		02/07/06	3974.27	-	51.83	54.45	2.62	3922.05
MW - 5		02/09/06	3974.27	-	51.86	54.40	2.54	3922.03
MW - 5		02/13/06	3974.27	-	51.89	54.49	2.60	3921.99
MW - 5		02/22/06	3974.27	-	51.81	54.45	2.64	3922.06
MW - 5		02/28/06	3974.27	-	51.83	54.44	2.61	3922.05
MW - 5		03/07/06	3974.27	-	51.89	54.40	2.51	3922.00
MW - 5		03/15/06	3974.27	-	51.81	54.40	2.59	3922.07
MW - 5		03/20/06	3974.27	-	51.77	54.34	2.57	3922.11
MW - 5		03/22/06	3974.27	-	52.12	53.31	1.19	3921.97
MW - 5		03/29/06	3974.27	-	51.79	54.30	2.51	3922.10
MW - 5		04/11/06	3974.27	-	51.76	54.30	2.54	3922.13
MW - 5		04/18/06	3974.27	-	51.76	54.31	2.55	3922.13
MW - 5		04/25/06	3974.27	-	51.84	54.25	2.41	3922.07
MW - 5		05/02/06	3974.27	-	51.76	54.33	2.57	3922.12
MW - 5		05/09/06	3974.27	-	51.76	54.33	2.57	3922.12
MW - 5		05/16/06	3974.27	-	51.78	54.30	2.52	3922.11
MW - 5		05/23/06	3974.27	-	51.76	54.28	2.52	3922.13
MW - 5		05/31/06	3974.27	-	51.76	54.30	2.54	3922.13
MW - 5		06/06/06	3974.27	-	51.76	54.34	2.58	3922.12

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5		06/13/06	3974.27	-	51.77	54.26	2.49	3922.13
MW - 5		06/20/06	3974.27	-	51.76	54.27	2.51	3922.13
MW - 5		06/21/06	3974.27	-	51.82	53.96	2.14	3922.13
MW - 5		07/06/06	3974.27	-	51.75	54.21	2.46	3922.15
MW - 5		07/12/06	3974.27	-	51.81	53.91	2.10	3922.15
MW - 5		07/20/06	3974.27	-	51.82	52.16	0.34	3922.40
MW - 5		07/25/06	3974.27	-	51.87	53.84	1.97	3922.10
MW - 5		08/01/06	3974.27	-	51.81	54.02	2.21	3922.13
MW - 5		08/16/06	3974.27	-	52.13	52.70	0.57	3922.05
MW - 5		08/23/06	3974.27	-	51.89	53.53	1.64	3922.13
MW - 5		08/28/06	3974.27	-	51.86	53.75	1.89	3922.13
MW - 5		09/12/06	3974.27	-	51.84	53.80	1.96	3922.14
MW - 5		09/22/06	3974.27	-	51.84	53.80	1.96	3922.14
MW - 5		09/27/06	3974.27	-	51.81	53.90	2.09	3922.15
MW - 5		10/06/06	3974.27	-	51.82	53.84	2.02	3922.15
MW - 5		10/10/06	3974.27	-	51.90	53.86	1.96	3922.08
MW - 5		10/16/06	3974.27	-	51.87	53.84	1.97	3922.10
MW - 5		10/26/06	3974.27	-	51.85	53.85	2.00	3922.12
MW - 5		11/03/06	3974.27	-	51.83	53.82	1.99	3922.14
MW - 5		11/09/06	3974.27	-	51.83	53.74	1.91	3922.15
MW - 5		11/16/06	3974.27	-	51.89	53.78	1.89	3922.10
MW - 5		11/22/06	3974.27	-	51.81	53.87	2.06	3922.15
MW - 5		12/04/06	3974.27	-	51.84	53.75	1.91	3922.14
MW - 5		12/08/06	3974.27	-	51.85	53.78	1.93	3922.13
MW - 5		12/15/06	3974.27	-	51.74	54.05	2.31	3922.18
MW - 5		01/05/07	3974.27	-	51.77	54.04	2.27	3922.16
MW - 5		01/12/07	3974.27	-	51.75	54.04	2.29	3922.18
MW - 5		01/18/07	3974.27	-	51.74	54.03	2.29	3922.19
MW - 5		01/24/07	3974.27	-	51.76	54.06	2.30	3922.17
MW - 5		01/29/07	3974.27	-	51.71	53.97	2.26	3922.22
MW - 5		02/09/07	3974.27	-	51.73	53.98	2.25	3922.20
MW - 5		02/16/07	3974.27	-	51.73	53.98	2.25	3922.20
MW - 5		02/23/07	3974.27	-	51.71	53.96	2.25	3922.22
MW - 5		03/02/07	3974.27	-	51.79	54.05	2.26	3922.14
MW - 5		03/14/07	3974.27	-	51.78	53.77	1.99	3922.19
MW - 5		03/26/07	3974.27	-	51.72	53.93	2.21	3922.22
MW - 5		04/03/07	3974.27	-	51.72	53.93	2.21	3922.22
MW - 5		04/09/07	3974.27	-	51.71	53.91	2.20	3922.23
MW - 5		04/26/07	3974.27	-	51.71	53.88	2.17	3922.23
MW - 5		04/30/07	3974.27	-	51.72	53.84	2.12	3922.23
MW - 5		05/11/07	3974.27	-	51.73	53.84	2.11	3922.22
MW - 5		05/16/07	3974.27	-	51.71	53.83	2.12	3922.24
MW - 5		05/22/07	3974.27	-	51.70	53.82	2.12	3922.25
MW - 5		05/29/07	3974.27	-	51.69	53.82	2.13	3922.26
MW - 5		06/01/07	3974.27	-	51.71	53.86	2.15	3922.24
MW - 5		06/08/07	3974.27	-	51.70	53.82	2.12	3922.25
MW - 5		06/11/07	3974.27	-	51.71	53.80	2.09	3922.25
MW - 5		06/20/07	3974.27	-	51.70	53.80	2.10	3922.26
MW - 5		07/10/07	3974.27	-	51.69	53.78	2.09	3922.27
MW - 5		07/20/07	3974.27	-	51.69	53.76	2.07	3922.27
MW - 5		07/25/07	3974.27	-	51.68	53.75	2.07	3922.28
MW - 5		08/01/07	3974.27	-	51.68	53.71	2.03	3922.29
MW - 5		08/10/07	3974.27	-	51.69	53.74	2.05	3922.27
MW - 5		08/15/07	3974.27	-	51.68	53.71	2.03	3922.29
MW - 5		08/30/07	3974.27	-	51.69	53.71	2.02	3922.28
MW - 5		08/31/07	3974.27	-	51.69	53.71	2.02	3922.28
MW - 5		09/10/07	3974.27	-	51.69	53.70	2.01	3922.28
MW - 5		09/19/07	3974.27	-	51.67	53.68	2.01	3922.30
MW - 5		10/01/07	3974.27	-	52.03	52.32	0.29	3922.20
MW - 5		10/19/07	3974.27	-	51.89	53.04	1.15	3922.21
MW - 5		11/12/07	3974.27	-	51.84	52.93	1.09	3922.27
MW - 5		12/13/07	3974.27	-	51.93	52.74	0.81	3922.22
MW - 5		03/07/08	3974.27	-	51.77	52.82	1.05	3922.34
MW - 5		03/12/08	3974.27	-	51.77	52.82	1.05	3922.34
MW - 5		03/12/08	3974.27	-	51.82	52.50	0.68	3922.35
MW - 5		03/20/08	3974.27	-	51.78	52.83	1.05	3922.33
MW - 5		03/20/08	3974.27	-	51.81	52.57	0.76	3922.35
MW - 5		03/23/08	3974.27	-	51.84	52.88	1.04	3922.27
MW - 5		03/23/08	3974.27	-	51.82	52.39	0.57	3922.36
MW - 5		04/02/08	3974.27	-	51.79	52.99	1.20	3922.30
MW - 5		04/02/08	3974.27	-	51.76	52.62	0.86	3922.38
MW - 5		04/09/08	3974.27	-	51.71	53.11	1.40	3922.35

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5		04/09/08	3974.27	-	51.79	52.65	0.86	3922.35
MW - 5		04/16/08	3974.27	-	51.73	52.82	1.09	3922.38
MW - 5		04/30/08	3974.27	-	51.78	52.97	1.19	3922.31
MW - 5		05/29/08	3974.27	-	51.63	53.27	1.64	3922.39
MW - 5		06/02/08	3974.27	-	51.63	53.22	1.59	3922.40
MW - 5		06/03/08	3974.27	-	51.63	53.22	1.59	3922.40
MW - 5		06/11/08	3974.27	-	51.62	53.25	1.63	3922.41
MW - 5		06/18/08	3974.27	-	51.62	53.26	1.64	3922.40
MW - 5		06/23/08	3974.27	-	51.63	53.23	1.60	3922.40
MW - 5		07/01/08	3974.27	-	51.61	53.22	1.61	3922.42
MW - 5		07/09/08	3974.27	-	51.65	53.26	1.61	3922.38
MW - 5		07/15/08	3974.27	-	51.60	53.22	1.62	3922.43
MW - 5		07/22/08	3974.27	-	51.63	53.21	1.58	3922.40
MW - 5		08/02/08	3974.27	-	51.62	53.22	1.60	3922.41
MW - 5		08/13/08	3974.27	-	51.62	53.21	1.59	3922.41
MW - 5		09/03/08	3974.27	-	51.61	53.21	1.60	3922.42
MW - 5		09/11/08	3974.27	-	51.61	53.20	1.59	3922.42
MW - 5		09/19/08	3974.27	-	51.60	53.16	1.56	3922.44
MW - 5		09/26/08	3974.27	-	51.60	53.16	1.56	3922.44
MW - 5		10/10/08	3974.27	-	51.61	53.18	1.57	3922.42
MW - 5		10/17/08	3974.27	-	51.61	53.13	1.52	3922.43
MW - 5		10/21/08	3974.27	-	51.89	53.26	1.37	3922.17
MW - 5		10/30/08	3974.27	-	51.60	53.11	1.51	3922.44
MW - 5		11/04/08	3974.27	-	51.61	53.13	1.52	3922.43
MW - 5		11/18/08	3974.27	-	51.61	53.10	1.49	3922.44
MW - 5		11/25/08	3974.27	-	51.61	53.12	1.51	3922.43
MW - 5		12/10/08	3974.27	-	51.59	53.13	1.54	3922.45
MW - 5		12/18/08	3974.27	-	51.60	53.11	1.51	3922.44
MW - 5		01/07/09	3974.27	-	51.62	53.16	1.54	3922.42
MW - 5		01/14/09	3974.27	-	51.61	53.15	1.54	3922.43
MW - 5		01/21/09	3974.27	-	51.98	52.05	0.07	3922.28
MW - 5		01/22/09	3974.27	-	51.59	53.09	1.50	3922.46
MW - 5		01/30/09	3974.27	-	51.60	53.05	1.45	3922.45
MW - 5		02/03/09	3974.27	-	51.60	53.02	1.42	3922.46
MW - 5		02/12/09	3974.27	-	51.58	52.02	0.44	3922.62
MW - 5		02/19/09	3974.27	-	52.59	52.96	0.37	3921.62
MW - 5		03/04/09	3974.27	-	52.65	53.02	0.37	3921.56
MW - 5		03/06/09	3974.27	-	51.60	53.04	1.44	3922.45
MW - 5		03/11/09	3974.27	-	51.60	53.02	1.42	3922.46
MW - 5		03/16/09	3974.27	-	52.68	53.06	0.38	3921.53
MW - 5		03/19/09	3974.27	-	51.60	53.01	1.41	3922.46
MW - 5		03/24/09	3974.27	-	51.55	52.89	1.34	3922.52
MW - 5		04/03/09	3974.27	-	51.58	52.70	1.12	3922.52
MW - 5		04/15/09	3974.27	-	51.59	52.91	1.32	3922.48
MW - 5		04/17/09	3974.27	-	51.61	52.83	1.22	3922.48
MW - 5		04/22/09	3974.27	-	51.60	52.68	1.08	3922.51
MW - 5		04/29/09	3974.27	-	51.61	52.96	1.35	3922.46
MW - 5		05/20/09	3974.27	-	51.58	52.91	1.33	3922.49
MW - 5		05/20/09	3974.27	-	51.58	52.91	1.33	3922.49
MW - 5		06/09/09	3974.27	-	51.58	52.95	1.37	3922.48
MW - 5		06/17/09	3974.27	-	51.59	52.97	1.38	3922.47
MW - 5		06/23/09	3974.27	-	51.61	52.66	1.05	3922.50
MW - 5		07/01/09	3974.27	-	51.58	52.96	1.38	3922.48
MW - 5		07/08/09	3974.27	-	51.58	52.98	1.40	3922.48
MW - 5		07/15/09	3974.27	-	51.58	52.92	1.34	3922.49
MW - 5		07/17/09	3974.27	-	51.61	52.89	1.28	3922.47
MW - 5		07/23/09	3974.27	-	51.59	52.95	1.36	3922.48
MW - 5		07/24/09	3974.27	-	51.61	52.82	1.21	3922.48
MW - 5		07/30/09	3974.27	-	51.59	52.95	1.36	3922.48
MW - 5		08/04/09	3974.27	-	51.58	52.93	1.35	3922.49
MW - 5		08/12/09	3974.27	-	51.58	52.94	1.36	3922.49
MW - 5		08/20/09	3974.27	-	51.58	52.93	1.35	3922.49
MW - 5		08/26/09	3974.27	-	51.55	51.92	0.37	3922.66
MW - 5		09/02/09	3974.27	-	51.56	52.92	1.36	3922.51
MW - 5		09/09/09	3974.27	-	51.72	52.92	1.20	3922.37
MW - 5		09/14/09	3974.27	-	51.74	53.92	2.18	3922.20
MW - 5		09/21/09	3974.27	-	51.92	52.98	1.06	3922.19
MW - 5		10/01/09	3974.27	-	51.60	52.95	1.35	3922.47
MW - 5		10/08/09	3974.27	-	51.60	52.94	1.34	3922.47
MW - 5		10/14/09	3974.27	-	51.92	52.96	1.04	3922.19
MW - 5		10/21/09	3974.27	-	51.57	52.89	1.32	3922.50
MW - 5		10/28/09	3974.27	-	51.83	52.90	1.07	3922.28

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5		11/04/09	3974.27	-	51.56	52.86	1.30	3922.52
MW - 5		11/11/09	3974.27	-	51.56	52.85	1.29	3922.52
MW - 5		11/18/09	3974.27	-	51.55	52.86	1.31	3922.52
MW - 5		11/25/09	3974.27	-	51.58	52.87	1.29	3922.50
MW - 5		12/02/09	3974.27	-	51.57	52.88	1.31	3922.50
MW - 5		12/10/09	3974.27	-	51.58	52.87	1.29	3922.50
MW - 5		12/17/09	3974.27	-	51.62	52.89	1.27	3922.46
MW - 5		12/21/09	3974.27	-	52.06	52.83	0.77	3922.09
MW - 5		12/30/09	3974.27	-	51.66	52.84	1.18	3922.43
MW - 5		01/07/10	3974.27	-	51.65	52.66	1.01	3922.47
MW - 5		01/18/10	3974.27	-	51.57	52.66	1.09	3922.54
MW - 5		02/02/10	3974.27	-	51.58	52.74	1.16	3922.52
MW - 5		02/11/10	3974.27	-	51.56	52.73	1.17	3922.53
MW - 5		02/18/10	3974.27	-	51.55	52.74	1.19	3922.54
MW - 5		02/25/10	3974.27	-	51.60	52.80	1.20	3922.49
MW - 5		03/02/10	3974.27	-	51.64	52.82	1.18	3922.45
MW - 5		03/04/10	3974.27	-	51.57	52.09	0.52	3922.62
MW - 5		03/10/10	3974.27	-	51.59	52.78	1.19	3922.50
MW - 5		03/12/10	3974.27	-	51.61	52.86	1.25	3922.47
MW - 5		03/15/10	3974.27	-	51.60	52.73	1.13	3922.50
MW - 5		03/18/10	3974.27	-	51.59	52.73	1.14	3922.51
MW - 5		03/22/10	3974.27	-	51.62	52.78	1.16	3922.48
MW - 5		03/24/10	3974.27	-	51.63	52.76	1.13	3922.47
MW - 5		03/30/10	3974.27	-	51.61	52.79	1.18	3922.48
MW - 5		04/07/10	3974.27	-	51.64	52.79	1.15	3922.46
MW - 5		04/12/10	3974.27	-	51.53	52.70	1.17	3922.56
MW - 5		04/16/10	3974.27	-	51.96	53.95	1.99	3922.01
MW - 5		04/20/10	3974.27	-	51.85	53.52	1.67	3922.17
MW - 5		04/27/10	3974.27	-	51.98	53.60	1.62	3922.05
MW - 5		04/30/10	3974.27	-	51.91	53.39	1.48	3922.14
MW - 5		05/12/10	3974.27	-	51.91	53.50	1.59	3922.12
MW - 5		05/14/10	3974.27	-	51.93	53.38	1.45	3922.12
MW - 5		05/17/10	3974.27	-	52.08	53.39	1.31	3921.99
MW - 5		05/20/10	3974.27	-	51.90	53.51	1.61	3922.13
MW - 5		05/25/10	3974.27	-	51.86	53.12	1.26	3922.22
MW - 5		06/01/10	3974.27	-	51.88	53.11	1.23	3922.21
MW - 5		06/09/10	3974.27	-	51.88	53.12	1.24	3922.20
MW - 5		06/16/10	3974.27	-	51.85	52.92	1.07	3922.26
MW - 5		06/28/10	3974.27	-	51.63	53.78	2.15	3922.32
MW - 5		07/09/10	3974.27	-	51.87	52.91	1.04	3922.24
MW - 5		07/14/10	3974.27	-	51.58	52.40	0.82	3922.57
MW - 5		07/23/10	3974.27	-	51.60	52.49	0.89	3922.54
MW - 5		07/29/10	3974.27	-	51.59	52.40	0.81	3922.56
MW - 5		08/05/10	3974.27	-	51.61	52.40	0.79	3922.54
MW - 5		08/12/10	3974.27	-	51.62	52.42	0.80	3922.53
MW - 5		08/16/10	3974.27	-	51.62	52.42	0.80	3922.53
MW - 5		08/18/10	3974.27	-	51.59	52.45	0.86	3922.55
MW - 5		08/25/10	3974.27	-	51.81	52.84	1.03	3922.31
MW - 5		09/02/10	3974.27	-	51.81	52.88	1.07	3922.30
MW - 5		09/09/10	3974.27	-	51.62	52.41	0.79	3922.53
MW - 5		09/30/10	3974.27	-	51.61	52.36	0.75	3922.55
MW - 5		10/07/10	3974.27	-	51.64	52.35	0.71	3922.52
MW - 5		10/14/10	3974.27	-	51.88	53.49	1.61	3922.15
MW - 5		10/21/10	3974.27	-	51.88	53.46	1.58	3922.15
MW - 5		11/04/10	3974.27	-	51.86	52.77	0.91	3922.27
MW - 5		11/10/10	3974.27	-	51.88	53.43	1.55	3922.16
MW - 5		12/01/10	3974.27	-	51.70	52.44	0.74	3922.46
MW - 5		12/08/10	3974.27	-	51.85	52.77	0.92	3922.28
MW - 5		01/26/11	3974.27	-	51.59	52.51	0.92	3922.54
MW - 5		02/28/11	3974.27	-	51.86	53.46	1.60	3922.17
MW - 5		03/04/11	3974.27	-	51.66	52.44	0.78	3922.49
MW - 5		03/09/11	3974.27	-	51.75	53.12	1.37	3922.31
MW - 5		04/28/11	3974.27	-	51.74	52.91	1.17	3922.35
MW - 5		05/04/11	3974.27	-	51.70	52.90	1.20	3922.39
MW - 5		05/11/11	3974.27	-	51.69	52.82	1.13	3922.41
MW - 5		05/12/11	3974.27	-	51.62	52.61	0.99	3922.50
MW - 5		05/18/11	3974.27	-	51.64	52.75	1.11	3922.46
MW - 5		05/23/11	3974.27	-	51.76	52.88	1.12	3922.34
MW - 5		06/08/11	3974.27	-	51.72	53.19	1.47	3922.33
MW - 5		06/16/11	3974.27	-	51.73	53.02	1.29	3922.35
MW - 5		06/22/11	3974.27	-	51.68	52.88	1.20	3922.41
MW - 5		06/30/11	3974.27	-	51.64	53.20	1.56	3922.40

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5		07/06/11	3974.27	-	51.57	52.79	1.22	3922.52
MW - 5		07/13/11	3974.27	-	51.68	53.12	1.44	3922.37
MW - 5		07/15/11	3974.27	-	51.75	53.20	1.45	3922.30
MW - 5		07/19/11	3974.27	-	51.60	52.53	0.93	3922.53
MW - 5		07/21/11	3974.27	-	51.61	52.80	1.19	3922.48
MW - 5		07/26/11	3974.27	-	51.76	52.68	0.92	3922.37
MW - 5		07/28/11	3974.27	-	51.73	52.97	1.24	3922.35
MW - 5		08/02/11	3974.27	-	51.88	53.58	1.70	3922.14
MW - 5		08/09/11	3974.27	-	51.82	53.30	1.48	3922.23
MW - 5		08/12/11	3974.27	-	51.84	52.96	1.12	3922.26
MW - 5		08/15/11	3974.27	-	51.84	52.96	1.12	3922.26
MW - 5		08/16/11	3974.27	-	51.66	52.63	0.97	3922.46
MW - 5		08/19/11	3974.27	-	51.73	52.55	0.82	3922.42
MW - 5		08/23/11	3974.27	-	51.74	52.75	1.01	3922.38
MW - 5		08/26/11	3974.27	-	51.78	53.05	1.27	3922.30
MW - 5		08/30/11	3974.27	-	51.60	52.50	0.90	3922.54
MW - 5		09/01/11	3974.27	-	51.65	52.16	0.51	3922.54
MW - 5		09/08/11	3974.27	-	51.80	53.37	1.57	3922.23
MW - 5		09/13/11	3974.27	-	51.72	53.04	1.32	3922.35
MW - 5		09/15/11	3974.27	-	51.81	53.17	1.36	3922.26
MW - 5		09/22/11	3974.27	-	51.61	52.40	0.79	3922.54
MW - 5		10/06/11	3974.27	-	51.72	52.82	1.10	3922.39
MW - 5		10/11/11	3974.27	-	51.81	52.96	1.15	3922.29
MW - 5		10/13/11	3974.27	-	51.87	53.61	1.74	3922.14
MW - 5		10/26/11	3974.27	-	51.81	53.23	1.42	3922.25
MW - 5		11/22/11	3974.27	-	51.76	52.83	1.07	3922.35
MW - 5		12/02/11	3974.27	-	51.59	52.56	0.97	3922.53
MW - 5		12/29/11	3974.27	-	51.59	52.59	1.00	3922.53
MW - 5		01/26/12	3974.27	-	51.65	52.82	1.17	3922.44
MW - 5		01/31/12	3974.27	-	51.68	52.87	1.19	3922.41
MW - 5		02/15/12	3974.27	-	51.59	52.57	0.98	3922.53
MW - 5		02/28/12	3974.27	-	51.63	52.70	1.07	3922.48
MW - 5		03/20/12	3974.27	-	51.72	53.18	1.46	3922.33
MW - 5		03/27/12	3974.27	-	51.67	53.00	1.33	3922.40
MW - 5		04/10/12	3974.27	-	51.74	53.11	1.37	3922.32
MW - 5		04/19/12	3974.27	-	51.67	52.96	1.29	3922.41
MW - 5		04/26/12	3974.27	-	51.69	52.40	0.71	3922.47
MW - 5		05/08/12	3974.27	-	51.69	52.40	0.71	3922.47
MW - 5		05/15/12	3974.27	-	51.58	52.71	1.13	3922.52
MW - 5		05/17/12	3974.27	-	51.56	52.70	1.14	3922.54
MW - 5		06/05/12	3974.27	-	51.68	53.12	1.44	3922.37
MW - 5		06/21/12	3974.27	-	51.68	53.24	1.56	3922.36
MW - 5		06/28/12	3974.27	-	51.67	53.29	1.62	3922.36
MW - 5		07/17/12	3974.27	-	51.90	52.61	0.71	3922.26
MW - 5		08/01/12	3974.27	-	51.68	52.81	1.13	3922.42
MW - 5		10/02/12	3974.27	-	51.69	53.16	1.47	3922.36
MW - 5		10/09/12	3974.27	-	51.67	53.20	1.53	3922.37
MW - 5		10/16/12	3974.27	-	51.67	53.09	1.42	3922.39
MW - 5		10/25/12	3974.27	-	51.67	53.21	1.54	3922.37
MW - 5		10/30/12	3974.27	-	51.68	53.20	1.52	3922.36
MW - 5		11/29/12	3974.27	-	51.69	53.54	1.85	3922.30
MW - 5		12/14/12	3974.27	-	51.70	53.26	1.56	3922.34
MW - 5		02/11/13	3974.27	-	51.67	53.02	1.35	3922.40
MW - 5		04/11/13	3974.27	-	51.82	53.84	2.02	3922.15
MW - 5		04/15/13	3974.27	-	51.85	53.78	1.93	3922.13
MW - 5		04/22/13	3974.27	-	51.65	53.14	1.49	3922.40
MW - 5		05/06/13	3974.27	-	51.68	53.16	1.48	3922.37
MW - 5		05/09/13	3974.27	-	51.67	53.18	1.51	3922.37
MW - 5		05/20/13	3974.27	-	51.67	53.23	1.56	3922.37
MW - 5		05/24/13	3974.27	-	51.74	53.86	2.12	3922.21
MW - 5		05/29/13	3974.27	-	51.66	53.25	1.59	3922.37
MW - 5		05/31/13	3974.27	-	51.74	53.40	1.66	3922.28
MW - 5		06/07/13	3974.27	-	51.98	53.99	2.01	3921.99
MW - 5		06/12/13	3974.27	-	51.93	53.88	1.95	3922.05
MW - 5		06/14/13	3974.27	-	51.42	53.62	2.20	3922.52
MW - 5		06/19/13	3974.27	-	51.96	53.88	1.92	3922.02
MW - 5		06/21/13	3974.27	-	52.01	53.76	1.75	3922.00
MW - 5		06/25/13	3974.27	-	51.73	52.71	0.98	3922.39
MW - 5		06/26/13	3974.27	-	51.85	53.57	1.72	3922.16
MW - 5		07/03/13	3974.27	-	52.03	53.89	1.86	3921.96
MW - 5		07/09/13	3974.27	-	52.00	54.19	2.19	3921.94
MW - 5		07/11/13	3974.27	-	51.98	54.00	2.02	3921.99

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5		07/24/13	3974.27	-	51.95	52.87	0.92	3922.18
MW - 5		07/26/13	3974.27	-	51.89	53.65	1.76	3922.12
MW - 5		07/31/13	3974.27	-	51.73	53.38	1.65	3922.29
MW - 5		08/02/13	3974.27	-	51.93	53.71	1.78	3922.07
MW - 5		08/06/13	3974.27	-	51.76	53.33	1.57	3922.27
MW - 5		08/14/13	3974.27	-	51.78	53.42	1.64	3922.24
MW - 5		08/21/13	3974.27	-	51.92	53.75	1.83	3922.08
MW - 5		08/26/13	3974.27	-	51.89	53.56	1.67	3922.13
MW - 5		09/06/13	3974.27	-	51.91	53.75	1.84	3922.08
MW - 5		08/30/13	3974.27	-	51.77	53.32	1.55	3922.27
MW - 5		09/13/13	3974.27	-	51.83	53.27	1.44	3922.22
MW - 5		09/27/13	3974.27	-	51.86	53.67	1.81	3922.14
MW - 5		09/30/13	3974.27	-	51.80	53.52	1.72	3922.21
MW - 5		10/02/13	3974.27	-	51.94	53.85	1.91	3922.04
MW - 5		10/03/13	3974.27	-	51.89	53.15	1.26	3922.19
MW - 5		10/11/13	3974.27	-	51.77	53.33	1.56	3922.27
MW - 5		10/17/13	3974.27	-	51.77	53.39	1.62	3922.26
MW - 5		10/22/13	3974.27	-	51.76	53.41	1.65	3922.26
MW - 5		10/24/13	3974.27	-	51.88	53.71	1.83	3922.12
MW - 5		11/01/13	3974.27	-	51.80	53.25	1.45	3922.25
MW - 5		11/04/13	3974.27	-	51.80	53.36	1.56	3922.24
MW - 5		11/08/13	3974.27	-	51.95	54.00	2.05	3922.01
MW - 5		11/13/13	3974.27	-	51.77	53.35	1.58	3922.26
MW - 5		11/15/13	3974.27	-	51.76	53.36	1.60	3922.27
MW - 5		11/18/13	3974.27	-	51.79	53.45	1.66	3922.23
MW - 5		12/12/13	3974.27	-	51.80	53.55	1.75	3922.21
MW - 5		12/16/13	3974.27	-	51.80	53.53	1.73	3922.21
MW - 5		12/18/13	3974.27	-	51.81	53.54	1.73	3922.20
MW - 5		12/23/13	3974.27	-	51.84	53.58	1.74	3922.17
MW - 5		12/30/13	3974.27	-	51.81	53.45	1.64	3922.21
MW - 5		01/01/14	3974.27	-	51.65	53.76	2.11	3922.30
MW - 5		01/06/14	3974.27	-	51.73	53.43	1.70	3922.29
MW - 5		01/15/14	3974.27	-	51.88	53.55	1.67	3922.14
MW - 5	David F.	01/17/14	3974.27	-	51.80	53.32	1.52	3922.24
MW - 5	David F.	01/20/14	3974.27	-	52.01	54.13	2.12	3921.94
MW - 5		01/22/14	3974.27	-	52.23	54.19	1.96	3921.75
MW - 5	John Flores	01/29/14	3974.27	-	51.80	53.50	1.70	3922.22
MW - 5	David/Jose	02/04/14	3974.27	-	51.76	53.54	1.78	3922.24
MW - 5		02/13/14	3974.27	-	51.78	53.58	1.80	3922.22
MW - 5	David F.	02/21/14	3974.27	-	52.00	54.28	2.28	3921.93
MW - 5	David F.	02/26/14	3974.27	-	52.04	54.30	2.26	3921.89
MW - 5	John F.	03/12/14	3974.27	-	51.86	53.71	1.85	3922.13
MW - 5	John F.	03/14/14	3974.27	-	51.84	53.64	1.80	3922.16
MW - 5	John & Jose	03/17/14	3974.27	-	51.86	53.66	1.80	3922.14
MW - 5	David F.	03/24/14	3974.27	-	52.26	54.10	1.84	3921.73
MW - 5	David & Jose	03/26/14	3974.27	-	52.44	54.02	1.58	3921.59
MW - 5	Baer	04/09/14	3974.27	-	51.78	53.42	1.64	3922.24
MW - 5	Baer	04/18/14	3974.27	-	51.79	53.42	1.63	3922.24
MW - 5	Manny & Chance	04/21/14	3974.27	-	51.78	53.47	1.69	3922.24
MW - 5	Manny & Chance	04/28/14	3974.27	-	51.77	53.53	1.76	3922.24
MW - 5	Manny & Chance	05/09/14	3974.27	-	51.88	53.76	1.88	3922.11
MW - 5	Jose	05/12/14	3974.27	-	51.91	53.90	1.99	3922.06
MW - 5	Manny & Chance	05/19/14	3974.27	-	51.81	53.73	1.92	3922.17
MW - 5		05/28/14	3974.27	-	51.85	53.76	1.91	3922.13
MW - 5		06/04/14	3974.27	-	51.89	53.86	1.97	3922.08
MW - 5	Manny	06/13/14	3974.27	-	51.88	53.86	1.98	3922.09
MW - 5	Jose	06/16/14	3974.27	-	51.83	53.37	1.54	3922.21
MW - 5	Manny	07/02/14	3974.27	-	51.80	53.66	1.86	3922.19
MW - 5	Manny	07/07/14	3974.27	-	51.81	53.70	1.89	3922.18
MW - 5	Manny	07/18/14	3974.27	-	51.98	54.15	2.17	3921.96
MW - 5	Manny & Chance	07/30/14	3974.27	-	51.86	53.54	1.68	3922.16
MW - 5	Manny	08/11/14	3974.27	-	51.87	53.67	1.80	3922.13
MW - 5	Manny & Chance	08/22/14	3974.27	-	51.89	53.65	1.76	3922.12
MW - 5	Manny & Chance	08/23/14	3974.27	-	51.89	53.65	1.76	3922.12
MW - 5	Manny & Chance	09/10/14	3974.27	-	51.90	53.96	2.06	3922.06
MW - 5	Manny	09/15/14	-	-	-	-	-	-
MW - 5	Manny	09/23/14	3974.27	-	51.92	53.96	2.04	3922.04
MW - 5	David F.	09/25/14	3974.27	-	52.18	54.45	2.27	3921.75
MW - 5	Manny	10/03/14	3974.27	-	51.98	53.96	1.98	3921.99
MW - 5	Chance	10/15/14	3974.27	-	51.49	53.79	2.30	3922.44
MW - 5	Manny	10/17/14	3974.27	-	52.02	54.34	2.32	3921.90
MW - 5	Chance	10/22/14	3974.27	-	-	-	-	-

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5	Chance	10/24/14	3974.27	-	52.08	54.12	2.04	3921.88
MW - 5	Chance	10/27/14	3974.27	-	52.06	54.10	2.04	3921.90
MW - 5	Manny	10/31/14	3974.27	-	51.72	53.80	2.08	3922.24
MW - 5	Chance	11/03/14	3974.27	-	51.69	55.75	4.06	3921.97
MW - 5	Manny & Chance	11/10/14	3974.27	-	51.87	54.20	2.33	3922.05
MW - 5	Manny	11/14/14	3974.27	-	51.85	53.59	1.74	3922.16
MW - 5	Manny	11/17/14	3974.27	-	51.91	53.47	1.56	3922.13
MW - 5	Manny	11/18/14	3974.27	-	51.91	53.47	1.56	3922.13
MW - 5	Chance	11/21/14	3974.27	-	51.93	53.51	1.58	3922.10
MW - 5	Manny	12/03/14	3974.27	-	51.88	53.69	1.81	3922.12
MW - 5	Manny	12/05/14	3974.27	-	51.90	53.54	1.64	3922.12
MW - 5	Chance	12/12/14	3974.27	-	51.92	53.50	1.58	3922.11
MW - 5	Chance	12/15/14	3974.27	-	51.92	53.50	1.58	3922.11
MW - 5	Chance	12/19/14	3974.27	-	51.94	53.52	1.58	3922.09
MW - 5	Chance	12/22/14	3974.27	-	51.90	53.47	1.57	3922.13
MW - 5	Chance	01/05/15	3974.27	-	51.88	53.42	1.54	3922.16
MW - 5	MANNY	01/09/15	3974.27	-	51.86	53.63	1.77	3922.14
MW - 5	Carlos	01/14/15	3974.27	-	51.86	53.65	1.79	3922.14
MW - 5	Chance/Carlos	01/21/15	3974.27	-	51.86	53.40	1.54	3922.18
MW - 5	Carlos/Matt	02/18/15	3974.27	-	51.95	53.69	1.74	3922.06
MW - 5	Manny/Art	02/19/15	3974.27	-	51.92	53.30	1.38	3922.14
MW - 5	Chance/Carlos	03/09/15	3974.27	-	51.87	53.38	1.51	3922.17
MW - 5	Carlos/Matt	03/11/15	3974.27	-	51.85	53.58	1.73	3922.16
MW - 5	Carlos	03/18/15	3974.27	-	51.85	53.52	1.67	3922.17
MW - 5	Chance/Art	03/31/15	3974.27	-	51.88	53.42	1.54	3922.16
MW - 5	Carlos/Matt	04/09/15	3974.27	-	51.84	53.46	1.62	3922.19
MW - 5	Carlos	04/15/15	3974.27	-	51.83	53.51	1.68	3922.19
MW - 5	Carlos	04/22/15	3974.27	-	51.83	53.55	1.72	3922.18
MW - 5	Manny/ Arthur	05/12/15	3974.27	-	51.84	53.58	1.74	3922.17
MW - 5	Chance/ Carlos	05/26/15	3974.27	-	51.84	53.37	1.53	3922.20
MW - 5	Carlos	06/01/15	3974.27	-	51.85	53.58	1.73	3922.16
MW - 5	Arthur/ Chance	06/04/15	3974.27	-	51.84	53.67	1.83	3922.16
MW - 5	Carlos	06/22/15	3974.27	-	51.95	54.00	2.05	3922.01
MW - 5	Carlos	06/26/15	3974.27	-	52.10	53.93	1.83	3921.90
MW - 5	Fernando	07/22/15	3974.27	-	52.02	53.53	1.51	3922.02
MW - 5	Matt/Carlos	07/27/15	3974.27	-	52.08	53.83	1.75	3921.93
MW - 5	Manny/Matt	08/18/15	3974.27	-	51.85	53.31	1.46	3922.20
MW - 5		09/09/15	3974.27	-	52.00	54.15	2.15	3921.95
MW - 5		09/30/15	3974.27	-	52.14	54.50	2.36	3921.78
MW - 5	Carlos	10/08/15	3974.27	-	51.98	53.90	1.92	3922.00
MW - 5	Manny	10/16/15	3974.27	-	52.08	54.27	2.19	3921.86
MW - 5	Fernando	10/21/15	3974.27	-	52.50	53.84	1.34	3921.57
MW - 5	Fernando	11/18/15	3974.27	-	52.03	53.95	1.92	3921.95
MW - 5	Carlos	11/23/15	3974.27	-	51.94	53.52	1.58	3922.09
MW - 5	Mark	12/04/15	3974.27	-	51.85	53.69	1.84	3922.14
MW - 5	Fernando	12/09/15	3974.27	-	52.14	54.19	2.05	3921.82
MW - 5	Carlos	01/12/16	3974.27	-	51.90	53.83	1.93	3922.08
MW - 5	Fernando	01/22/16	3974.27	-	51.93	53.65	1.72	3922.08
MW - 5	Fernando	01/25/16	3974.27	-	52.00	53.80	1.80	3922.00
MW - 5	Carlos	02/12/16	3974.27	-	52.03	54.13	2.10	3921.93
MW - 5	Fernando	02/17/16	3974.27	-	52.00	53.86	1.86	3921.99
MW - 5	Fernando/Carlos	02/24/16	3974.27	-	51.90	53.58	1.68	3922.12
MW - 5	Manny	03/09/16	3974.27	-	52.01	54.11	2.10	3921.95
MW - 5	Carlos	03/30/16	3974.27	-	52.03	54.07	2.04	3921.93
MW - 5	Fernando	04/13/16	3974.27	-	52.00	54.09	2.09	3921.96
MW - 5	Carlos	04/27/16	3974.27	-	52.01	54.00	1.99	3921.96
MW - 5	Mark	05/11/16	3974.27	-	51.99	53.96	1.97	3921.98
MW - 5	Manny	06/03/16	3974.27	-	52.02	54.13	2.11	3921.93
MW - 5	Carlos	06/13/16	3974.27	-	51.91	53.61	1.70	3922.11
MW - 5	Carlos	07/01/16	3974.27	-	52.05	53.93	1.88	3921.94
MW - 5	Manny	07/08/16	3974.27	-	51.98	53.87	1.89	3922.01
MW - 5	Fernando	07/12/16	3974.27	-	51.95	53.06	1.11	3922.15
MW - 5	Carlos	07/18/16	3974.27	-	51.99	53.83	1.84	3922.00
MW - 5	Fernando	08/02/16	3974.27	-	52.00	53.48	1.48	3922.05
MW - 5	Carlos	08/12/16	3974.27	-	52.12	54.18	2.06	3921.84
MW - 5	Carlos	08/17/16	3974.27	-	51.97	53.94	1.97	3922.00
MW - 5	Manny	09/21/16	3974.27	-	51.95	53.82	1.87	3922.04
MW - 5	Wesley/ David	10/21/16	3974.27	-	51.92	53.73	1.81	3922.08
MW - 5	Carlos	10/24/16	3974.27	-	52.08	54.12	2.04	3921.88
MW - 5	Wesley	10/26/16	3974.27	-	52.39	52.52	0.13	3921.86
MW - 5	Carlos	10/31/16	3974.27	-	52.06	54.09	2.03	3921.91
MW - 5	Wesley	11/21/16	3974.27	-	52.45	52.66	0.21	3921.79

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5	Carlos	11/28/16	3974.27	-	51.90	53.87	1.97	3922.07
MW - 5	Wesley	12/07/16	3974.27	-	52.09	54.46	2.37	3921.82
MW - 5	Fernando	12/14/16	3974.27	-	52.09	54.19	2.10	3921.87
MW - 5	Wesley	12/21/16	3974.27	-	51.92	53.76	1.84	3922.07
MW - 5	Wesley	01/04/17	3974.27	-	51.90	53.86	1.96	3922.08
MW - 5	Wesley	01/12/17	3974.27	-	51.90	53.88	1.98	3922.07
MW - 5	Wesley	01/26/17	3974.27	-	52.03	53.45	1.42	3922.03
MW - 5	Wesley	02/07/17	3974.27	-	51.95	54.00	2.05	3922.01
MW - 5	Carlos	02/21/17	3974.27	-	51.90	53.84	1.94	3922.08
MW - 5	Wesley	02/23/17	3974.27	-	51.89	53.79	1.90	3922.10
MW - 5	Carlos	03/08/17	3974.27	-	52.02	53.95	1.93	3921.96
MW - 5	Wesley	04/07/17	3974.27	-	51.88	53.81	1.93	3922.10
MW - 5	Wesley	04/18/17	3974.27	-	51.88	53.84	1.96	3922.10
MW - 5	Jeremy	05/10/17	3974.27	-	51.98	54.20	2.22	3921.96
MW - 5	Jeremy	05/24/17	3974.27	-	51.62	54.72	3.10	3922.19
MW - 5	Wesley	06/02/17	3974.27	-	51.82	53.80	1.98	3922.15
MW - 5	Jeremy/ Wesley	07/12/17	3974.27	-	52.04	54.15	2.11	3921.91
MW - 5	Wesley	07/19/17	3974.27	-	52.05	53.94	1.89	3921.94
MW - 5	Wesley	07/27/17	3974.27	-	51.93	53.85	1.92	3922.05
MW - 5	Jeremy	08/11/17	3974.27	-	52.01	54.10	2.09	3921.95
MW - 5	Wesley	08/24/17	3974.27	-	51.95	53.98	2.03	3922.02
MW - 5	Wesley	09/05/17	3974.27	-	51.97	54.04	2.07	3921.99
MW - 5	Jeremy	10/18/17	3974.27	-	52.01	54.21	2.20	3921.93
MW - 5	Jeremy	10/25/17	3974.27	-	52.01	53.94	1.93	3921.97
MW - 5	Wesley	10/25/17	3974.27	-	51.97	54.05	2.08	3921.99
MW - 5	Jeremy	11/01/17	3974.27	-	51.99	53.96	1.97	3921.98
MW - 5	Wesley	11/08/17	3974.27	-	51.97	54.05	2.08	3921.99
MW - 5	Jeremy/ Wesley	11/28/17	3974.27	-	51.99	54.08	2.09	3921.97
MW - 5	Jeremy	12/19/17	3974.27	62.94	51.97	54.09	2.12	3921.98
MW - 5	Jeremy	01/16/18	3974.27	-	51.97	54.15	2.18	3921.97
MW - 5	Jeremy	01/30/18	3974.27	-	51.96	54.05	2.09	3922.00
MW - 5	Jeremy	02/06/18	3974.27	-	51.98	54.11	2.13	3921.97
MW - 5	Jeremy	02/13/18	3974.27	-	52.01	54.12	2.11	3921.94
MW - 5	Jeremy	02/26/18	3974.27	-	51.99	53.96	1.97	3921.98
MW - 5	Jeremy	04/03/18	3974.27	-	51.98	53.91	1.93	3922.00
MW - 5	Jeremy	04/17/18	3974.27	-	51.95	53.97	2.02	3922.02
MW - 5	Jeremy	05/07/18	3974.27	-	52.08	54.14	2.06	3921.88
MW - 5	Jeremy	06/21/18	3974.27	-	51.99	54.20	2.21	3921.95
MW - 5	Jeremy	06/26/18	3974.27	-	52.00	54.19	2.19	3921.94
MW - 5	Jeremy	07/12/18	3974.27	-	52.01	54.32	2.31	3921.91
MW - 5	Jeremy	07/17/18	3974.27	-	52.00	54.22	2.22	3921.94
MW - 5	Jeremy/ Fernando	08/01/18	3974.27	-	52.02	54.16	2.14	3921.93
MW - 5	Jeremy	08/09/18	3974.27	-	52.02	54.27	2.25	3921.91
MW - 5	Wesley	08/23/18	3974.27	-	52.02	54.31	2.29	3921.91
MW - 5	Jeremy	08/30/18	3974.27	-	52.04	53.16	1.12	3922.06
MW - 5	Jeremy	08/31/18	3974.27	-	52.04	54.29	2.25	3921.89
MW - 5	Jeremy	09/11/18	3974.27	-	52.11	54.07	1.96	3921.87
MW - 5	Jeremy	09/19/18	3974.27	-	52.04	53.98	1.94	3921.94
MW - 5	Jeremy	10/16/18	3974.27	-	52.06	54.28	2.22	3921.88
MW - 5	Jeremy	11/01/18	3974.27	-	52.08	54.16	2.08	3921.88
MW - 5	Jeremy	11/05/18	3974.27	-	52.06	54.11	2.05	3921.90
MW - 5	Jeremy/Derek	11/14/18	3974.27	-	52.05	54.14	2.09	3921.91
MW - 5	Jeremy	12/04/18	3974.27	-	52.07	54.19	2.12	3921.88
MW - 5	Jeremy	12/06/18	3974.27	-	52.04	54.11	2.07	3921.92
MW - 5	Jeremy	12/18/18	3974.27	-	52.08	54.29	2.21	3921.86
MW - 5	Jeremy	12/20/18	3974.27	-	52.07	54.35	2.28	3921.86
MW - 5	Jeremy	12/26/18	3974.27	-	52.05	54.25	2.20	3921.89
MW - 5	Jeremy	01/08/19	3974.27	-	52.06	54.31	2.25	3921.87
MW - 5	Jeremy	01/10/19	3974.27	-	52.08	54.29	2.21	3921.86
MW - 5	Jeremy	01/15/19	3974.27	-	52.11	54.21	2.10	3921.85
MW - 5	Jeremy	01/24/19	3974.27	-	52.33	53.98	1.65	3921.69
MW - 5	Jeremy	02/11/19	3974.27	-	52.27	54.02	1.75	3921.74
MW - 5	Jeremy	02/18/19	3974.27	-	52.00	54.03	2.03	3921.97
MW - 5	Jeremy	04/16/19	3974.27	-	52.19	53.96	1.77	3921.81
MW - 5	Manny/Elias	04/23/19	3974.27	-	52.16	55.02	2.86	3921.68
MW - 5	Manny/Elias	04/30/19	3974.27	-	52.03	54.41	2.38	3921.88
MW - 5	Manny/Elias	05/07/19	3974.27	-	52.10	54.03	1.93	3921.88
MW - 5	Jeremy	05/09/19	3974.27	-	52.62	53.96	1.34	3921.45
MW - 5	Jeremy	05/14/19	3974.27	-	51.98	53.95	1.97	3921.99
MW - 5	Jeremy	06/04/19	3974.27	-	52.23	54.29	2.06	3921.73
MW - 5	Jeremy	06/11/19	3974.27	-	52.39	54.35	1.96	3921.59
MW - 5	Jeremy	06/13/19	3974.27	-	52.28	54.27	1.99	3921.69

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HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5	Jeremy	06/17/19	3974.27	-	52.05	54.06	2.01	3921.92
MW - 5	Jeremy	07/01/19	3974.27	-	52.02	54.31	2.29	3921.91
MW - 5	Jeremy	07/02/19	3974.27	-	52.10	54.19	2.09	3921.86
MW - 5	Jeremy	08/19/19	3974.27	-	52.11	54.16	2.05	3921.85
MW - 5	Jeremy	08/29/19	3974.27	-	52.16	54.21	2.05	3921.80
MW - 5	Jeremy	09/03/19	3974.27	-	52.12	53.28	1.16	3921.98
MW - 5	Jeremy	09/10/19	3974.27	-	52.13	53.27	1.14	3921.97
MW - 5	Jeremy	11/11/19	3974.27	-	52.17	54.21	2.04	3921.79
MW - 5	Jeremy	11/15/19	3974.27	-	52.10	55.12	3.02	3921.72
MW - 5	Fernando	01/08/20	3974.27	-	52.05	55.10	3.05	3921.76
MW - 5	Fernando	02/13/20	3974.27	-	52.19	54.43	2.24	3921.74
MW - 5	Elias	02/18/20	3974.27	-	52.08	54.84	2.76	3921.78
MW - 5	Scott	05/05/20	3974.27	-	52.08	55.01	2.93	3921.75
MW - 5	Manny	06/11/20	3974.27	-	52.08	55.16	3.08	3921.73
MW - 5	Manny	09/23/20	3974.27	-	52.17	55.34	3.17	3921.62
MW - 5	Manny	12/04/20	3974.27	-	52.18	55.42	3.24	3921.60
MW - 5	Manny	03/23/21	3974.27	62.61	52.18	55.58	3.40	3921.58
MW - 5	Manny	06/04/21	3974.27	-	52.16	55.67	3.51	3921.58
MW - 5	Manny	08/12/21	3974.27	-	52.26	55.87	3.61	3921.47
MW - 5	Manny	09/30/21	3974.27	-	52.29	55.93	3.64	3921.43
MW - 5	Manny	12/09/21	3974.27	62.72	52.38	55.45	3.07	3921.43
MW - 5	Manny	02/17/22	3974.27	-	52.32	55.99	3.67	3921.40
MW - 5	Manny	03/08/22	3974.27	62.65	52.30	56.03	3.73	3921.41
MW - 5	Manny	05/18/22	3974.27	62.66	52.33	56.12	3.79	3921.37
MW - 5	Manny	06/21/22	3974.27	-	52.43	56.05	3.62	3921.30
MW - 5	Manny	06/30/22	3974.27	-	52.49	55.79	3.30	3921.29
MW - 5	Manny	07/20/22	3974.27	-	52.30	56.39	4.09	3921.36
MW - 5	Manny	07/26/22	3974.27	-	52.44	56.14	3.70	3921.28
MW - 5	Manny	08/09/22	3974.27	62.65	52.40	56.16	3.76	3921.31
MW - 5	Manny	09/23/22	3974.27	-	52.44	55.99	3.55	3921.30
MW - 5	Manny	09/27/22	3974.27	-	52.53	56.00	3.47	3921.22
MW - 5	Manny	10/06/22	3974.27	-	52.48	56.26	3.78	3921.22
MW - 5	Manny	10/12/22	3974.27	-	52.52	56.09	3.57	3921.21
MW - 5	Manny	11/02/22	3974.27	-	52.27	56.47	4.20	3921.37
MW - 5	Manny	11/15/22	3974.27	62.68	52.48	56.22	3.74	3921.23
MW - 5	Manny	01/06/23	3974.27	-	52.60	56.20	3.60	3921.13
MW - 5	Manny	01/12/23	3974.27	-	52.61	56.00	3.39	3921.15
MW - 5	Manny	01/16/23	3974.27	-	52.65	55.80	3.15	3921.15
MW - 5	Manny	02/14/23	3974.27	62.69	52.55	56.08	3.53	3921.19
MW - 5	Manny	03/21/23	3974.27	-	52.62	56.15	3.53	3921.12
MW - 5	Manny	03/28/23	3974.27	-	52.62	56.00	3.38	3921.14
MW - 5	Manny	04/04/23	3974.27	-	52.61	56.00	3.39	3921.15
MW - 5	Manny	04/20/23	3974.27	-	52.62	56.07	3.45	3921.13
MW - 5	Manny	04/27/23	3974.27	-	52.61	55.91	3.30	3921.17
MW - 5	Manny	05/16/23	3974.27	62.68	52.52	56.22	3.70	3921.20
MW - 5	Manny	06/12/23	3974.27	-	52.60	56.15	3.55	3921.14
MW - 5	Manny	06/22/23	3974.27	-	52.64	56.19	3.55	3921.10
MW - 5	Manny	07/03/23	3974.27	-	52.65	56.17	3.52	3921.09
MW - 5	Manny	07/17/23	3974.27	-	52.65	56.18	3.53	3921.09
MW - 5	Manny	07/28/23	3974.27	-	52.59	56.29	3.70	3921.13
MW - 5	Manny	08/07/23	3974.27	-	52.38	56.59	4.21	3921.26
MW - 5	Manny	08/08/23	3974.27	62.68	52.58	56.40	3.82	3921.12
MW - 5	Manny	09/18/23	3974.27	-	52.62	56.45	3.83	3921.08
MW - 5	Manny	10/11/23	3974.27	-	52.58	56.63	4.05	3921.08
MW - 5	Manny	12/07/23	3974.27	61.75	52.62	56.62	4.00	3921.05
MW - 5	Manny	01/03/24	3974.27	-	52.71	56.62	3.91	3920.97
MW - 5	Manny	01/12/24	3974.27	-	52.74	56.48	3.74	3920.97
MW - 5	Manny	01/23/24	3974.27	-	52.74	56.50	3.76	3920.97
MW - 5	Manny	01/29/24	3974.27	-	52.73	56.51	3.78	3920.97
MW - 5	Manny	03/06/24	3974.27	-	52.57	56.59	4.02	3921.10
MW - 5	Manny	04/02/24	3974.27	-	52.67	56.45	3.78	3921.03
MW - 5	Manny	04/24/24	3974.27	-	52.66	56.54	3.88	3921.03
MW - 5	Manny	05/23/24	3974.27	61.68	52.60	56.59	3.99	3921.07
MW - 5	Manny	07/02/24	3974.27	-	52.72	56.62	3.90	3920.97
MW - 5	Manny	07/08/24	3974.27	-	52.70	56.43	3.73	3921.01
MW - 5	Manny	07/16/24	3974.27	-	52.64	56.63	3.99	3921.03
MW - 5	Manny	07/23/24	3974.27	-	52.80	56.54	3.74	3920.91
MW - 5	Manny	08/12/24	3974.27	-	52.79	56.15	3.36	3920.98
MW - 5	Manny	08/19/24	3974.27	-	52.68	56.58	3.90	3921.01
MW - 5	Manny	08/30/24	3974.27	61.81	52.57	56.68	4.11	3921.08
MW - 5	Manny	09/18/24	3974.27	61.81	52.76	56.56	3.80	3920.94
MW - 5	Manny	10/04/24	3974.27	-	52.80	56.64	3.84	3920.89

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 5	Manny	12/11/24	3974.27	61.45	52.73	56.88	4.15	3920.92
MW - 6		03/02/00	3974.72	-	53.10	53.84	0.74	3921.51
MW - 6		04/25/00	3974.72	-	53.14	53.91	0.77	3921.46
MW - 6		09/06/00	3974.72	-	52.81	55.87	3.06	3921.45
MW - 6		11/28/00	3974.72	-	52.91	55.62	2.71	3921.40
MW - 6		02/21/01	3974.72	-	52.79	55.42	2.63	3921.54
MW - 6		05/31/01	3974.72	-	52.95	54.83	1.88	3921.49
MW - 6		08/23/01	3974.72	-	52.69	55.95	3.26	3921.54
MW - 6		11/21/01	3974.72	-	53.42	55.42	2.00	3921.00
MW - 6		02/13/02	3974.72	-	52.74	56.04	3.30	3921.49
MW - 6		06/12/02	3974.72	-	52.63	56.16	3.53	3921.56
MW - 6		08/26/02	3974.72	-	52.67	56.24	3.57	3921.51
MW - 6		11/08/02	3974.72	-	53.03	55.06	2.03	3921.39
MW - 6		11/21/02	3974.72	-	53.10	54.57	1.47	3921.40
MW - 6		12/27/02	3974.72	-	52.95	54.97	2.02	3921.47
MW - 6		01/06/03	3974.72	-	52.90	55.38	2.48	3921.45
MW - 6		01/08/03	3974.72	-	52.88	55.42	2.54	3921.46
MW - 6		01/10/03	3974.72	-	52.86	55.86	3.00	3921.41
MW - 6		01/13/03	3974.72	-	52.85	55.55	2.70	3921.47
MW - 6		02/05/03	3974.72	-	52.80	55.81	3.01	3921.47
MW - 6		02/26/03	3974.72	-	52.71	56.09	3.38	3921.50
MW - 6		03/04/03	3974.72	-	52.72	56.09	3.37	3921.49
MW - 6		03/12/03	3974.72	-	52.73	56.18	3.45	3921.47
MW - 6		03/18/03	3974.72	-	52.71	56.25	3.54	3921.48
MW - 6		03/25/03	3974.72	-	52.71	56.18	3.47	3921.49
MW - 6		03/31/03	3974.72	-	52.69	56.21	3.52	3921.50
MW - 6		04/09/03	3974.72	-	52.73	53.02	0.29	3921.95
MW - 6		04/14/03	3974.72	-	52.61	53.00	0.39	3922.05
MW - 6		05/07/03	3974.72	-	52.92	56.21	3.29	3921.31
MW - 6		05/08/03	3974.72	-	52.75	56.04	3.29	3921.48
MW - 6		05/13/03	3974.72	-	52.80	59.21	6.41	3920.96
MW - 6		05/21/03	3974.72	-	52.73	56.11	3.38	3921.48
MW - 6		05/27/03	3974.72	-	53.12	56.50	3.38	3921.09
MW - 6		05/28/03	3974.72	-	53.20	56.65	3.45	3921.00
MW - 6		06/03/03	3974.72	-	53.19	56.68	3.49	3921.01
MW - 6		06/10/03	3974.72	-	52.73	56.25	3.52	3921.46
MW - 6		07/01/03	3974.72	-	52.77	56.31	3.54	3921.42
MW - 6		07/08/03	3974.72	-	52.77	56.40	3.63	3921.41
MW - 6		07/30/03	3974.72	-	52.62	56.23	3.61	3921.56
MW - 6		08/04/03	3974.72	-	52.40	56.45	4.05	3921.71
MW - 6		08/18/03	3974.72	-	52.97	54.18	1.21	3921.57
MW - 6		08/25/03	3974.72	-	53.40	57.02	3.62	3920.78
MW - 6		10/01/03	3974.72	-	52.77	54.90	2.13	3921.63
MW - 6		10/06/03	3974.72	-	52.72	56.26	3.54	3921.47
MW - 6		10/08/03	3974.72	-	53.05	56.62	3.57	3921.13
MW - 6		10/15/03	3974.72	-	53.47	57.10	3.63	3920.71
MW - 6		11/12/03	3974.72	-	53.11	55.91	2.80	3921.19
MW - 6		11/19/03	3974.72	-	53.12	56.70	3.58	3921.06
MW - 6		12/01/03	3974.72	-	53.08	56.70	3.62	3921.10
MW - 6		12/10/03	3974.72	-	52.82	56.33	3.51	3921.37
MW - 6		02/05/04	3974.72	-	53.63	57.18	3.55	3920.56
MW - 6		02/17/04	3974.72	-	52.89	56.34	3.45	3921.31
MW - 6		02/25/04	3974.72	-	53.60	57.13	3.53	3920.59
MW - 6		03/09/04	3974.72	-	52.91	56.40	3.49	3921.29
MW - 6		03/16/04	3974.72	-	53.14	54.19	1.05	3921.42
MW - 6		03/22/04	3974.72	-	53.04	55.22	2.18	3921.35
MW - 6		04/07/04	3974.72	-	53.14	53.69	0.55	3921.50
MW - 6		04/12/04	3974.72	-	53.50	56.43	2.93	3920.78
MW - 6		04/19/04	3974.72	-	53.10	53.49	0.39	3921.56
MW - 6		05/05/04	3974.72	-	53.04	56.06	3.02	3921.23
MW - 6		05/11/04	3974.72	-	52.19	56.21	4.02	3921.93
MW - 6		06/07/04	3974.72	-	52.77	55.87	3.10	3921.49
MW - 6		06/15/04	3974.72	-	52.78	55.90	3.12	3921.47
MW - 6		06/20/04	3974.72	-	52.78	55.90	3.12	3921.47
MW - 6		06/21/04	3974.72	-	52.77	55.77	3.00	3921.50
MW - 6		06/28/04	3974.72	-	52.77	55.91	3.14	3921.48
MW - 6		07/08/04	3974.72	-	52.75	55.87	3.12	3921.50
MW - 6		07/12/04	3974.72	-	52.76	55.90	3.14	3921.49
MW - 6		08/06/04	3974.72	-	52.83	55.80	2.97	3921.44
MW - 6		08/12/04	3974.72	-	52.85	55.82	2.97	3921.42
MW - 6		08/17/04	3974.72	-	52.77	55.94	3.17	3921.47

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6		09/01/04	3974.72	-	53.21	54.22	1.01	3921.36
MW - 6		09/03/04	3974.72	-	53.31	54.02	0.71	3921.30
MW - 6		09/08/04	3974.72	-	52.16	53.52	1.36	3922.36
MW - 6		09/14/04	3974.72	-	53.20	54.26	1.06	3921.36
MW - 6		09/22/04	3974.72	-	53.22	54.14	0.92	3921.36
MW - 6		10/01/04	3974.72	-	53.10	54.89	1.79	3921.35
MW - 6		10/08/04	3974.72	-	53.25	54.05	0.80	3921.35
MW - 6		10/15/04	3974.72	-	53.11	53.88	0.77	3921.49
MW - 6		10/22/04	3974.72	-	53.05	54.55	1.50	3921.45
MW - 6		11/12/04	3974.72	-	53.22	54.16	0.94	3921.36
MW - 6		11/26/04	3974.72	-	53.11	54.55	1.44	3921.39
MW - 6		12/02/04	3974.72	-	53.79	55.20	1.41	3920.72
MW - 6		12/06/04	3974.72	-	53.87	54.96	1.09	3920.69
MW - 6		12/13/04	3974.72	-	53.51	54.51	1.00	3921.06
MW - 6		12/15/04	3974.72	-	53.51	54.51	1.00	3921.06
MW - 6		12/27/04	3974.72	-	53.85	55.60	1.75	3920.61
MW - 6		01/10/05	3974.72	-	53.02	54.20	1.18	3921.52
MW - 6		01/18/05	3974.72	-	52.96	54.49	1.53	3921.53
MW - 6		01/18/05	3974.72	-	53.14	53.52	0.38	3921.52
MW - 6		01/25/05	3974.72	-	53.08	53.78	0.70	3921.54
MW - 6		01/27/05	3974.72	-	53.21	53.42	0.21	3921.48
MW - 6		02/01/05	3974.72	-	53.19	53.51	0.32	3921.48
MW - 6		02/07/05	3974.72	-	53.14	53.54	0.40	3921.52
MW - 6		02/11/05	3974.72	-	53.15	53.55	0.40	3921.51
MW - 6		02/15/05	3974.72	-	53.10	53.52	0.42	3921.56
MW - 6		02/22/05	3974.72	-	53.09	53.58	0.49	3921.56
MW - 6		02/24/05	3974.72	-	53.08	53.65	0.57	3921.55
MW - 6		03/03/05	3974.72	-	53.02	53.61	0.59	3921.61
MW - 6		03/09/05	3974.72	-	53.02	53.64	0.62	3921.61
MW - 6		03/22/05	3974.72	-	53.57	54.20	0.63	3921.06
MW - 6		03/24/05	3974.72	-	53.57	54.20	0.63	3921.06
MW - 6		03/31/05	3974.72	-	53.60	54.20	0.60	3921.03
MW - 6		06/22/05	3974.72	-	52.91	53.92	1.01	3921.66
MW - 6		07/21/05	3974.72	-	52.80	53.80	1.00	3921.77
MW - 6		08/03/05	3974.72	-	52.82	53.70	0.88	3921.77
MW - 6		08/12/05	3974.72	-	52.87	53.62	0.75	3921.74
MW - 6		08/15/05	3974.72	-	52.91	53.30	0.39	3921.75
MW - 6		08/22/05	3974.72	-	52.70	53.69	0.99	3921.87
MW - 6		08/30/05	3974.72	-	-	-	-	-
MW - 6		09/07/05	3974.72	-	52.67	54.31	1.64	3921.80
MW - 6		09/14/05	3974.72	-	52.78	53.31	0.53	3921.86
MW - 6		09/20/05	3974.72	-	52.75	53.91	1.16	3921.80
MW - 6		09/21/05	3974.72	-	52.76	53.54	0.78	3921.84
MW - 6		09/28/05	3974.72	-	52.70	54.00	1.30	3921.83
MW - 6		10/06/05	3974.72	-	52.80	53.66	0.86	3921.79
MW - 6		10/13/05	3974.72	-	52.80	53.51	0.71	3921.81
MW - 6		10/20/05	3974.72	-	52.84	53.81	0.97	3921.73
MW - 6		10/26/05	3974.72	-	52.83	53.42	0.59	3921.80
MW - 6		11/03/05	3974.72	-	52.73	53.70	0.97	3921.84
MW - 6		11/10/05	3974.72	-	52.68	53.99	1.31	3921.84
MW - 6		11/16/05	3974.72	-	52.79	53.50	0.71	3921.82
MW - 6		11/23/05	3974.72	-	52.80	53.45	0.65	3921.82
MW - 6		11/28/05	3974.72	-	52.69	53.76	1.07	3921.87
MW - 6		12/05/05	3974.72	-	52.80	53.53	0.73	3921.81
MW - 6		12/12/05	3974.72	-	52.76	53.56	0.80	3921.84
MW - 6		12/16/05	3974.72	-	52.97	53.56	0.59	3921.66
MW - 6		12/19/05	3974.72	-	52.81	53.48	0.67	3921.81
MW - 6		12/29/05	3974.72	-	52.79	53.53	0.74	3921.82
MW - 6		01/04/06	3974.72	-	52.81	53.50	0.69	3921.81
MW - 6		01/10/06	3974.72	-	52.72	53.50	0.78	3921.88
MW - 6		01/17/06	3974.72	-	52.69	53.81	1.12	3921.86
MW - 6		01/26/06	3974.72	-	52.68	53.83	1.15	3921.87
MW - 6		01/31/06	3974.72	-	52.70	53.73	1.03	3921.87
MW - 6		02/07/06	3974.72	-	52.73	53.60	0.87	3921.86
MW - 6		02/09/06	3974.72	-	52.87	53.13	0.26	3921.81
MW - 6		02/13/06	3974.72	-	52.73	53.51	0.78	3921.87
MW - 6		02/22/06	3974.72	-	52.76	53.29	0.53	3921.88
MW - 6		02/28/06	3974.72	-	52.75	53.28	0.53	3921.89
MW - 6		03/07/06	3974.72	-	52.79	53.25	0.46	3921.86
MW - 6		03/15/06	3974.72	-	52.72	53.37	0.65	3921.90
MW - 6		03/20/06	3974.72	-	52.71	53.30	0.59	3921.92
MW - 6		03/22/06	3974.72	-	52.94	52.95	0.01	3921.78

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6		03/29/06	3974.72	-	52.78	52.99	0.21	3921.91
MW - 6		04/11/06	3974.72	-	52.72	53.17	0.45	3921.93
MW - 6		04/18/06	3974.72	-	52.72	53.15	0.43	3921.94
MW - 6		04/25/06	3974.72	-	52.79	52.93	0.14	3921.91
MW - 6		05/02/06	3974.72	-	52.74	53.10	0.36	3921.93
MW - 6		05/09/06	3974.72	-	52.72	53.03	0.31	3921.95
MW - 6		05/16/06	3974.72	-	52.72	53.20	0.48	3921.93
MW - 6		05/23/06	3974.72	-	52.74	53.15	0.41	3921.92
MW - 6		05/31/06	3974.72	-	52.71	53.13	0.42	3921.95
MW - 6		06/06/06	3974.72	-	52.71	53.10	0.39	3921.95
MW - 6		06/13/06	3974.72	-	52.70	53.11	0.41	3921.96
MW - 6		06/20/06	3974.72	-	52.71	53.13	0.42	3921.95
MW - 6		06/21/06	3974.72	-	52.75	53.07	0.32	3921.92
MW - 6		07/06/06	3974.72	-	52.68	53.31	0.63	3921.95
MW - 6		07/12/06	3974.72	-	52.66	53.46	0.80	3921.94
MW - 6		07/20/06	3974.72	-	52.65	53.27	0.62	3921.98
MW - 6		07/25/06	3974.72	-	52.65	53.40	0.75	3921.96
MW - 6		08/01/06	3974.72	-	52.68	53.34	0.66	3921.94
MW - 6		08/16/06	3974.72	-	52.65	53.54	0.89	3921.94
MW - 6		08/23/06	3974.72	-	52.67	53.42	0.75	3921.94
MW - 6		08/28/06	3974.72	-	52.73	53.23	0.50	3921.92
MW - 6		09/12/06	3974.72	-	52.25	53.52	1.27	3922.28
MW - 6		09/22/06	3974.72	-	53.15	54.00	0.85	3921.44
MW - 6		09/27/06	3974.72	-	52.67	53.18	0.51	3921.97
MW - 6		10/06/06	3974.72	-	52.61	53.54	0.93	3921.97
MW - 6		10/10/06	3974.72	-	52.70	53.20	0.50	3921.95
MW - 6		10/16/06	3974.72	-	52.69	53.21	0.52	3921.95
MW - 6		10/26/06	3974.72	-	52.65	53.40	0.75	3921.96
MW - 6		11/03/06	3974.72	-	52.64	53.30	0.66	3921.98
MW - 6		11/09/06	3974.72	-	52.65	53.25	0.60	3921.98
MW - 6		11/16/06	3974.72	-	52.68	53.21	0.53	3921.96
MW - 6		11/22/06	3974.72	-	52.67	53.17	0.50	3921.98
MW - 6		12/04/06	3974.72	-	52.63	53.39	0.76	3921.98
MW - 6		12/08/06	3974.72	-	52.59	53.49	0.90	3922.00
MW - 6		12/15/06	3974.72	-	52.64	53.23	0.59	3921.99
MW - 6		01/05/07	3974.72	-	52.53	53.63	1.10	3922.03
MW - 6		01/12/07	3974.72	-	52.63	53.23	0.60	3922.00
MW - 6		01/18/07	3974.72	-	52.66	53.19	0.53	3921.98
MW - 6		01/24/07	3974.72	-	52.65	53.17	0.52	3921.99
MW - 6		01/29/07	3974.72	-	52.65	53.14	0.49	3922.00
MW - 6		02/09/07	3974.72	-	52.61	53.28	0.67	3922.01
MW - 6		02/16/07	3974.72	-	52.62	53.24	0.62	3922.01
MW - 6		02/23/07	3974.72	-	52.60	53.13	0.53	3922.04
MW - 6		03/02/07	3974.72	-	52.57	53.40	0.83	3922.03
MW - 6		03/14/07	3974.72	-	52.60	53.16	0.56	3922.04
MW - 6		03/26/07	3974.72	-	52.57	53.33	0.76	3922.04
MW - 6		04/03/07	3974.72	-	52.55	53.42	0.87	3922.04
MW - 6		04/09/07	3974.72	-	52.60	53.21	0.61	3922.03
MW - 6		04/26/07	3974.72	-	52.51	53.52	1.01	3922.06
MW - 6		04/30/07	3974.72	-	52.61	54.03	1.42	3921.90
MW - 6		05/11/07	3974.72	-	52.55	53.26	0.71	3922.06
MW - 6		05/16/07	3974.72	-	52.62	53.00	0.38	3922.04
MW - 6		05/22/07	3974.72	-	52.60	53.09	0.49	3922.05
MW - 6		05/29/07	3974.72	-	52.57	53.14	0.57	3922.06
MW - 6		06/01/07	3974.72	-	52.56	53.26	0.70	3922.06
MW - 6		06/08/07	3974.72	-	52.56	53.11	0.55	3922.08
MW - 6		06/11/07	3974.72	-	52.57	52.95	0.38	3922.09
MW - 6		06/20/07	3974.72	-	52.55	53.20	0.65	3922.07
MW - 6		07/10/07	3974.72	-	52.51	53.31	0.80	3922.09
MW - 6		07/11/07	3974.72	-	52.14	53.50	1.36	3922.38
MW - 6		07/25/07	3974.72	-	52.52	53.25	0.73	3922.09
MW - 6		08/01/07	3974.72	-	52.54	53.14	0.60	3922.09
MW - 6		08/10/07	3974.72	-	52.54	53.14	0.60	3922.09
MW - 6		08/15/07	3974.72	-	52.56	53.00	0.44	3922.09
MW - 6		08/30/07	3974.72	-	52.49	53.32	0.83	3922.11
MW - 6		08/31/07	3974.72	-	52.49	53.22	0.73	3922.12
MW - 6		09/10/07	3974.72	-	52.45	53.60	1.15	3922.10
MW - 6		09/19/07	3974.72	-	52.43	53.60	1.17	3922.11
MW - 6		10/01/07	3974.72	-	52.53	53.29	0.76	3922.08
MW - 6		10/19/07	3974.72	-	52.45	53.60	1.15	3922.10
MW - 6		11/12/07	3974.72	-	52.41	53.50	1.09	3922.15
MW - 6		03/07/08	3974.72	-	52.36	53.65	1.29	3922.17

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6		03/12/08	3974.72	-	52.36	53.65	1.29	3922.17
MW - 6		03/12/08	3974.72	-	52.50	52.67	0.17	3922.19
MW - 6		03/20/08	3974.72	-	52.45	53.09	0.64	3922.17
MW - 6		03/20/08	3974.72	-	52.42	53.12	0.70	3922.20
MW - 6		03/23/08	3974.72	-	52.43	53.02	0.59	3922.20
MW - 6		03/23/08	3974.72	-	52.51	52.61	0.10	3922.20
MW - 6		04/02/08	3974.72	-	52.50	52.98	0.48	3922.15
MW - 6		04/02/08	3974.72	-	52.49	52.72	0.23	3922.20
MW - 6		04/09/08	3974.72	-	52.41	52.95	0.54	3922.23
MW - 6		04/09/08	3974.72	-	52.48	52.65	0.17	3922.21
MW - 6		04/16/08	3974.72	-	52.42	52.97	0.55	3922.22
MW - 6		04/23/08	3974.72	-	52.44	52.91	0.47	3922.21
MW - 6		04/30/08	3974.72	-	52.42	52.93	0.51	3922.22
MW - 6		05/29/08	3974.72	-	52.39	52.96	0.57	3922.24
MW - 6		06/02/08	3974.72	-	52.42	52.82	0.40	3922.24
MW - 6		06/03/08	3974.72	-	52.42	52.82	0.40	3922.24
MW - 6		06/11/08	3974.72	-	52.40	52.99	0.59	3922.23
MW - 6		06/18/08	3974.72	-	52.43	52.89	0.46	3922.22
MW - 6		06/23/08	3974.72	-	52.42	52.79	0.37	3922.24
MW - 6		07/01/08	3974.72	-	52.41	52.97	0.56	3922.23
MW - 6		07/09/08	3974.72	-	52.42	52.95	0.53	3922.22
MW - 6		07/15/08	3974.72	-	52.42	52.85	0.43	3922.24
MW - 6		07/22/08	3974.72	-	52.38	53.00	0.62	3922.25
MW - 6		08/02/08	3974.72	-	52.36	53.10	0.74	3922.25
MW - 6		08/13/08	3974.72	-	52.36	53.18	0.82	3922.24
MW - 6		09/03/08	3974.72	-	52.29	53.47	1.18	3922.25
MW - 6		09/11/08	3974.72	-	52.41	52.91	0.50	3922.24
MW - 6		09/19/08	3974.72	-	52.40	52.89	0.49	3922.25
MW - 6		09/26/08	3974.72	-	52.38	52.92	0.54	3922.26
MW - 6		10/10/08	3974.72	-	52.39	52.91	0.52	3922.25
MW - 6		10/17/08	3974.72	-	52.41	52.81	0.40	3922.25
MW - 6		10/21/08	3974.72	-	52.42	52.74	0.32	3922.25
MW - 6		10/30/08	3974.72	-	52.38	52.90	0.52	3922.26
MW - 6		11/04/08	3974.72	-	52.42	52.78	0.36	3922.25
MW - 6		11/18/08	3974.72	-	52.37	53.05	0.68	3922.25
MW - 6		11/25/08	3974.72	-	52.40	52.87	0.47	3922.25
MW - 6		11/25/08	3974.72	-	-	52.80	0.00	3921.92
MW - 6		12/10/08	3974.72	-	52.33	53.09	0.76	3922.28
MW - 6		12/18/08	3974.72	-	52.31	53.19	0.88	3922.28
MW - 6		01/06/09	3974.72	-	52.32	53.17	0.85	3922.27
MW - 6		01/14/09	3974.72	-	52.41	52.97	0.56	3922.23
MW - 6		01/21/09	3974.72	-	52.41	52.79	0.38	3922.25
MW - 6		01/22/09	3974.72	-	52.38	52.73	0.35	3922.29
MW - 6		01/30/09	3974.72	-	52.38	52.82	0.44	3922.27
MW - 6		02/03/09	3974.72	-	52.40	52.71	0.31	3922.27
MW - 6		02/12/09	3974.72	-	52.39	52.90	0.51	3922.25
MW - 6		02/19/09	3974.72	-	52.39	52.94	0.55	3922.25
MW - 6		03/04/09	3974.72	-	52.42	52.96	0.54	3922.22
MW - 6		03/06/09	3974.72	-	52.31	53.03	0.72	3922.30
MW - 6		03/11/09	3974.72	-	52.37	52.82	0.45	3922.28
MW - 6		03/16/09	3974.72	-	52.45	53.00	0.55	3922.19
MW - 6		03/19/09	3974.72	-	52.37	52.79	0.42	3922.29
MW - 6		03/24/09	3974.72	-	52.29	52.81	0.52	3922.35
MW - 6		04/03/09	3974.72	-	52.31	53.01	0.70	3922.31
MW - 6		04/15/09	3974.72	-	52.28	53.12	0.84	3922.31
MW - 6		04/17/09	3974.72	-	52.39	52.63	0.24	3922.29
MW - 6		04/22/09	3974.72	-	52.31	53.00	0.69	3922.31
MW - 6		04/29/09	3974.72	-	52.34	52.82	0.48	3922.31
MW - 6		05/20/09	3974.72	-	52.32	52.95	0.63	3922.31
MW - 6		05/20/09	3974.72	-	52.32	52.95	0.63	3922.31
MW - 6		06/09/09	3974.72	-	52.29	52.95	0.66	3922.33
MW - 6		06/17/09	3974.72	-	52.35	52.80	0.45	3922.30
MW - 6		06/23/09	3974.72	-	52.32	53.00	0.68	3922.30
MW - 6		07/01/09	3974.72	-	52.33	52.82	0.49	3922.32
MW - 6		07/08/09	3974.72	-	52.38	52.67	0.29	3922.30
MW - 6		07/15/09	3974.72	-	52.35	52.68	0.33	3922.32
MW - 6		07/17/09	3974.72	-	52.39	52.65	0.26	3922.29
MW - 6		07/23/09	3974.72	-	52.38	52.65	0.27	3922.30
MW - 6		07/24/09	3974.72	-	52.40	52.50	0.10	3922.31
MW - 6		07/30/09	3974.72	-	52.36	52.61	0.25	3922.32
MW - 6		08/04/09	3974.72	-	52.38	52.62	0.24	3922.30
MW - 6		08/12/09	3974.72	-	52.35	52.73	0.38	3922.31

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6		08/20/09	3974.72	-	52.30	52.83	0.53	3922.34
MW - 6		08/26/09	3974.72	-	52.31	52.96	0.65	3922.31
MW - 6		09/02/09	3974.72	-	52.35	52.72	0.37	3922.31
MW - 6		09/09/09	3974.72	-	52.36	52.64	0.28	3922.32
MW - 6		09/14/09	3974.72	-	52.37	52.63	0.26	3922.31
MW - 6		09/21/09	3974.72	-	52.36	52.69	0.33	3922.31
MW - 6		10/01/09	3974.72	-	52.38	52.75	0.37	3922.28
MW - 6		10/08/09	3974.72	-	52.38	52.75	0.37	3922.28
MW - 6		10/14/09	3974.72	-	52.38	52.67	0.29	3922.30
MW - 6		10/21/09	3974.72	-	52.31	52.88	0.57	3922.32
MW - 6		10/28/09	3974.72	-	52.34	52.67	0.33	3922.33
MW - 6		11/04/09	3974.72	-	52.36	52.62	0.26	3922.32
MW - 6		11/11/09	3974.72	-	52.32	52.60	0.28	3922.36
MW - 6		11/18/09	3974.72	-	52.35	52.65	0.30	3922.33
MW - 6		11/25/09	3974.72	-	52.36	52.68	0.32	3922.31
MW - 6		12/02/09	3974.72	-	52.36	52.65	0.29	3922.32
MW - 6		12/10/09	3974.72	-	52.35	52.66	0.31	3922.32
MW - 6		12/17/09	3974.72	-	52.41	52.68	0.27	3922.27
MW - 6		12/21/09	3974.72	-	52.36	52.54	0.18	3922.33
MW - 6		12/30/09	3974.72	-	52.40	52.79	0.39	3922.26
MW - 6		01/07/10	3974.72	-	52.35	52.55	0.20	3922.34
MW - 6		01/18/10	3974.72	-	52.40	52.52	0.12	3922.30
MW - 6		02/02/10	3974.72	-	52.29	52.86	0.57	3922.34
MW - 6		02/11/10	3974.72	-	52.30	52.61	0.31	3922.37
MW - 6		02/18/10	3974.72	-	52.30	52.68	0.38	3922.36
MW - 6		02/25/10	3974.72	-	52.41	52.61	0.20	3922.28
MW - 6		03/02/10	3974.72	-	52.43	52.58	0.15	3922.27
MW - 6		03/04/10	3974.72	-	52.46	52.56	0.10	3922.25
MW - 6		03/10/10	3974.72	-	52.37	52.53	0.16	3922.33
MW - 6		03/12/10	3974.72	-	52.43	52.56	0.13	3922.27
MW - 6		03/15/10	3974.72	-	52.36	52.50	0.14	3922.34
MW - 6		03/18/10	3974.72	-	52.35	52.46	0.11	3922.35
MW - 6		03/22/10	3974.72	-	52.41	52.54	0.13	3922.29
MW - 6		03/24/10	3974.72	-	sheen	52.54	0.00	3922.18
MW - 6		03/30/10	3974.72	-	sheen	52.55	0.00	3922.17
MW - 6		04/07/10	3974.72	-	sheen	52.53	0.00	3922.19
MW - 6		04/12/10	3974.72	-	sheen	52.41	0.00	3922.31
MW - 6		04/16/10	3974.72	-	sheen	52.89	0.00	3921.83
MW - 6		04/20/10	3974.72	-	sheen	53.00	0.00	3921.72
MW - 6		04/27/10	3974.72	-	sheen	52.84	0.00	3921.88
MW - 6		04/30/10	3974.72	-	sheen	52.82	0.00	3921.90
MW - 6		05/12/10	3974.72	-	sheen	52.74	0.00	3921.98
MW - 6		05/14/10	3974.72	-	sheen	52.84	0.00	3921.88
MW - 6		05/17/10	3974.72	-	sheen	52.96	0.00	3921.76
MW - 6		05/20/10	3974.72	-	sheen	52.73	0.00	3921.99
MW - 6		05/25/10	3974.72	-	sheen	52.57	0.00	3922.15
MW - 6		06/01/10	3974.72	-	sheen	52.28	0.00	3922.44
MW - 6		06/09/10	3974.72	-	sheen	52.60	0.00	3922.12
MW - 6		06/16/10	3974.72	-	sheen	52.56	0.00	3922.16
MW - 6		06/28/10	3974.72	-	sheen	52.63	0.00	3922.09
MW - 6		07/09/10	3974.72	-	sheen	52.54	0.00	3922.18
MW - 6		07/14/10	3974.72	-	sheen	52.36	0.00	3922.36
MW - 6		07/23/10	3974.72	-	sheen	52.42	0.00	3922.30
MW - 6		07/29/10	3974.72	-	sheen	52.43	0.00	3922.29
MW - 6		08/05/10	3974.72	-	sheen	52.40	0.00	3922.32
MW - 6		08/12/10	3974.72	-	sheen	52.46	0.00	3922.26
MW - 6		08/16/10	3974.72	-	sheen	52.46	0.00	3922.26
MW - 6		08/18/10	3974.72	-	sheen	52.35	0.00	3922.37
MW - 6		08/25/10	3974.72	-	sheen	52.42	0.00	3922.30
MW - 6		09/02/10	3974.72	-	sheen	52.29	0.00	3922.43
MW - 6		09/08/10	3974.72	-	sheen	52.46	0.00	3922.26
MW - 6		09/30/10	3974.72	-	sheen	52.37	0.00	3922.35
MW - 6		10/07/10	3974.72	-	sheen	52.45	0.00	3922.27
MW - 6		10/14/10	3974.72	-	sheen	52.75	0.00	3921.97
MW - 6		10/21/10	3974.72	-	sheen	52.73	0.00	3921.99
MW - 6		11/04/10	3974.72	-	sheen	52.35	0.00	3922.37
MW - 6		11/10/10	3974.72	-	sheen	52.73	0.00	3921.99
MW - 6		12/01/10	3974.72	-	sheen	52.41	0.00	3922.31
MW - 6		12/08/10	3974.72	-	sheen	52.44	0.00	3922.28
MW - 6		01/26/11	3974.72	-	sheen	52.45	0.00	3922.27
MW - 6		02/28/11	3974.72	-	-	52.72	0.00	3922.00
MW - 6		03/04/11	3974.72	-	52.41	52.45	0.04	3922.30

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6		03/09/11	3974.72	-	52.52	52.58	0.06	3922.19
MW - 6		04/28/11	3974.72	-	52.38	52.47	0.09	3922.33
MW - 6		05/04/11	3974.72	-	52.35	52.40	0.05	3922.36
MW - 6		05/11/11	3974.72	-	52.46	52.49	0.03	3922.26
MW - 6		05/12/11	3974.72	-	-	52.44	0.00	3922.28
MW - 6		05/18/11	3974.72	-	-	52.35	0.00	3922.37
MW - 6		05/23/11	3974.72	-	52.29	52.49	0.20	3922.40
MW - 6		06/08/11	3974.72	-	-	52.51	0.00	3922.21
MW - 6		06/16/11	3974.72	-	52.30	52.41	0.11	3922.40
MW - 6		06/22/11	3974.72	-	52.32	52.41	0.09	3922.39
MW - 6		06/30/11	3974.72	-	52.40	52.64	0.24	3922.28
MW - 6		07/06/11	3974.72	-	-	52.37	0.00	3922.35
MW - 6		07/13/11	3974.72	-	-	52.40	0.00	3922.32
MW - 6		07/15/11	3974.72	-	-	52.46	0.00	3922.26
MW - 6		07/19/11	3974.72	-	-	52.46	0.00	3922.26
MW - 6		07/21/11	3974.72	-	-	52.38	0.00	3922.34
MW - 6		07/26/11	3974.72	-	-	52.43	0.00	3922.29
MW - 6		07/28/11	3974.72	-	-	52.42	0.00	3922.30
MW - 6		08/02/11	3974.72	-	-	52.64	0.00	3922.08
MW - 6		08/09/11	3974.72	-	-	52.48	0.00	3922.24
MW - 6		08/12/11	3974.72	-	-	52.60	0.00	3922.12
MW - 6		08/15/11	3974.72	-	-	52.60	0.00	3922.12
MW - 6		08/16/11	3974.72	-	-	52.42	0.00	3922.30
MW - 6		08/19/11	3974.72	-	-	52.50	0.00	3922.22
MW - 6		08/23/11	3974.72	-	-	52.55	0.00	3922.17
MW - 6		08/26/11	3974.72	-	-	52.57	0.00	3922.15
MW - 6		08/30/11	3974.72	-	-	52.38	0.00	3922.34
MW - 6		09/01/11	3974.72	-	-	52.42	0.00	3922.30
MW - 6		09/08/11	3974.72	-	-	52.64	0.00	3922.08
MW - 6		09/13/11	3974.72	-	-	52.54	0.00	3922.18
MW - 6		09/15/11	3974.72	-	-	52.60	0.00	3922.12
MW - 6		09/22/11	3974.72	-	-	52.46	0.00	3922.26
MW - 6		10/06/11	3974.72	-	-	52.46	0.00	3922.26
MW - 6		10/11/11	3974.72	-	-	52.45	0.00	3922.27
MW - 6		10/13/11	3974.72	-	52.60	52.64	0.04	3922.11
MW - 6		10/26/11	3974.72	-	52.41	52.64	0.23	3922.28
MW - 6		11/22/11	3974.72	-	-	52.57	0.00	3922.15
MW - 6		12/02/11	3974.72	-	-	52.41	0.00	3922.31
MW - 6		12/29/11	3974.72	-	-	52.35	0.00	3922.37
MW - 6		01/26/12	3974.72	-	-	52.57	0.00	3922.15
MW - 6		01/31/12	3974.72	-	-	52.44	0.00	3922.28
MW - 6		02/15/12	3974.72	-	-	52.38	0.00	3922.34
MW - 6		02/28/12	3974.72	-	-	52.37	0.00	3922.35
MW - 6		03/20/12	3974.72	-	52.43	52.59	0.16	3922.27
MW - 6		03/27/12	3974.72	-	52.44	52.61	0.17	3922.25
MW - 6		04/10/12	3974.72	-	52.45	52.70	0.25	3922.23
MW - 6		04/19/12	3974.72	-	52.44	52.67	0.23	3922.25
MW - 6		04/26/12	3974.72	-	52.32	52.46	0.14	3922.38
MW - 6		05/08/12	3974.72	-	52.33	52.47	0.14	3922.37
MW - 6		05/15/12	3974.72	-	52.31	52.63	0.32	3922.36
MW - 6		05/17/12	3974.72	-	52.30	52.62	0.32	3922.37
MW - 6		06/05/12	3974.72	-	52.33	52.78	0.45	3922.32
MW - 6		06/21/12	3974.72	-	52.33	52.89	0.56	3922.31
MW - 6		06/28/12	3974.72	-	52.32	52.94	0.62	3922.31
MW - 6		07/17/12	3974.72	-	52.31	52.97	0.66	3922.31
MW - 6		08/01/12	3974.72	-	52.42	52.73	0.31	3922.25
MW - 6		10/02/12	3974.72	-	52.41	53.29	0.88	3922.18
MW - 6		10/09/12	3974.72	-	52.58	52.88	0.30	3922.10
MW - 6		10/16/12	3974.72	-	52.47	52.83	0.36	3922.20
MW - 6		10/25/12	3974.72	-	52.46	52.90	0.44	3922.19
MW - 6		10/30/12	3974.72	-	52.46	52.95	0.49	3922.19
MW - 6		11/29/12	3974.72	-	52.54	53.10	0.56	3922.10
MW - 6		12/14/12	3974.72	-	52.48	53.09	0.61	3922.15
MW - 6		02/11/13	3974.72	-	52.41	53.08	0.67	3922.21
MW - 6		03/18/13	3974.72	-	52.52	52.74	0.22	3922.17
MW - 6		04/11/13	3974.72	-	52.89	52.90	0.01	3921.83
MW - 6		05/06/13	3974.72	-	52.53	52.60	0.07	3922.18
MW - 6		05/29/13	3974.72	-	52.89	52.91	0.02	3921.83
MW - 6		06/26/13	3974.72	-	-	52.90	0.00	3921.82
MW - 6		07/31/13	3974.72	-	-	52.76	0.00	3921.96
MW - 6		08/06/13	3974.72	-	52.72	52.73	0.01	3922.00
MW - 6		09/30/13	3974.72	66.32	52.78	52.79	0.01	3921.94

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6		11/18/13	3974.72	-	52.66	52.71	0.05	3922.05
MW - 6	David/Jose	02/04/14	3974.72	-	52.62	52.72	0.10	3922.09
MW - 6	Manny & Chance	04/28/14	3974.72	-	52.66	52.74	0.08	3922.05
MW - 6		05/28/14	3974.72	-	52.83	52.85	0.02	3921.89
MW - 6	Manny & Chance	07/30/14	3974.72	-	52.84	52.96	0.12	3921.86
MW - 6	Manny & Chance	08/23/14	3974.72	-	52.97	53.04	0.07	3921.74
MW - 6	Manny & Chance	09/10/14	3974.72	-	52.85	53.00	0.15	3921.85
MW - 6	Manny	09/15/14	3974.72	-	-	-	-	-
MW - 6	Manny	09/23/14	3974.72	-	52.90	52.98	0.08	3921.81
MW - 6	Manny	10/31/14	3974.72	-	52.79	52.87	0.08	3921.92
MW - 6	Manny	11/18/14	3974.72	-	52.81	52.85	0.04	3921.90
MW - 6	chance	01/05/15	3974.72	-	52.78	53.04	0.26	3921.90
MW - 6	Manny	01/09/15	3974.72	-	52.74	52.80	0.06	3921.97
MW - 6	Carlos	01/14/15	3974.72	-	52.75	52.81	0.06	3921.96
MW - 6	Chance/Carlos	01/21/15	3974.72	-	52.77	53.06	0.29	3921.91
MW - 6	Manny/Art	02/19/15	3974.72	-	-	52.85	0.00	3921.87
MW - 6	Carlos/Art	03/09/15	3974.72	-	52.78	53.06	0.28	3921.90
MW - 6	Carlos/Matt	03/11/15	3974.72	-	52.75	52.83	0.08	3921.96
MW - 6	Chance/Art	03/31/15	3974.72	-	52.79	53.10	0.31	3921.88
MW - 6	Arthur/Carlos	04/09/15	3974.72	-	-	52.75	0.00	3921.97
MW - 6	Carlos	04/15/15	3974.72	-	-	52.75	0.00	3921.97
MW - 6	Carlos	04/22/15	3974.72	-	-	52.76	0.00	3921.96
MW - 6	Manny/ Arthur	05/12/15	3974.72	-	52.72	52.76	0.04	3921.99
MW - 6	Chance/ Carlos	05/26/15	3974.72	-	52.78	52.97	0.19	3921.91
MW - 6	Carlos	06/01/15	3974.72	-	52.74	52.78	0.04	3921.97
MW - 6	Arthur/ Chance	06/04/15	3974.72	-	52.75	52.84	0.09	3921.96
MW - 6	Matt/Carlos	07/27/15	3974.72	-	-	53.26	0.00	3921.46
MW - 6	Manny/Matt	08/18/15	3974.72	66.35	-	52.75	0.00	3921.97
MW - 6	Carlos	10/08/15	3974.72	-	-	53.34	0.00	3921.38
MW - 6	Fernando	10/21/15	3974.72	-	-	52.83	0.00	3921.89
MW - 6	Carlos	11/23/15	3974.72	66.27	-	52.80	0.00	3921.92
MW - 6	Carlos	01/12/16	3974.72	-	-	52.85	0.00	3921.87
MW - 6	Fernando	02/11/16	3974.72	-	-	52.81	0.00	3921.91
MW - 6	Fernando/Carlos	02/24/16	3974.72	66.20	-	52.80	0.00	3921.92
MW - 6	Carlos	06/13/16	3974.72	66.25	-	52.82	0.00	3921.90
MW - 6	Fernando	08/02/16	3974.72	-	52.89	52.90	0.01	3921.83
MW - 6	Carlos	11/28/16	3974.72	66.33	-	52.87	0.00	3921.85
MW - 6	Carlos	02/21/17	3974.72	66.30	-	52.93	0.00	3921.79
MW - 6	Jeremy	05/24/17	3974.72	69.66	52.82	52.91	0.09	3921.89
MW - 6	Jeremy/ Wesley	07/12/17	3974.72	69.70	-	52.91	0.00	3921.81
MW - 6	Jeremy	08/11/17	3974.72	-	52.80	52.84	0.04	3921.91
MW - 6	Jeremy	10/18/17	3974.72	-	52.94	53.09	0.15	3921.76
MW - 6	Jeremy/ Wesley	11/28/17	3974.72	-	52.93	53.11	0.18	3921.76
MW - 6	Jeremy	12/19/17	3974.72	67.73	52.96	53.07	0.11	3921.74
MW - 6	Jeremy	01/16/18	3974.72	-	52.94	53.08	0.14	3921.76
MW - 6	Jeremy	02/26/18	3974.72	-	52.91	53.06	0.15	3921.79
MW - 6	Jeremy	04/03/18	3974.72	-	52.91	52.98	0.07	3921.80
MW - 6	Jeremy	04/17/18	3974.72	-	52.91	52.98	0.07	3921.80
MW - 6	Jeremy	05/07/18	3974.72	-	52.95	53.10	0.15	3921.75
MW - 6	Jeremy	06/26/18	3974.72	-	52.98	53.14	0.16	3921.72
MW - 6	Jeremy	07/12/18	3974.72	-	52.97	53.20	0.23	3921.72
MW - 6	Jeremy/ Fernando	08/01/18	3974.72	-	53.01	53.24	0.23	3921.68
MW - 6	Jeremy	08/09/18	3974.72	-	52.93	53.21	0.28	3921.75
MW - 6	Wesley	08/23/18	3974.72	-	52.99	53.29	0.30	3921.69
MW - 6	Jeremy	08/30/18	3974.72	-	53.01	53.31	0.30	3921.67
MW - 6	Jeremy	08/31/18	3974.72	-	52.98	53.30	0.32	3921.69
MW - 6	Jeremy	09/11/18	3974.72	-	53.02	53.11	0.09	3921.69
MW - 6	Jeremy	09/13/18	3974.72	-	53.01	53.07	0.06	3921.70
MW - 6	Jeremy	09/19/18	3974.72	-	53.03	53.10	0.07	3921.68
MW - 6	Jeremy	09/26/18	3974.72	-	53.01	53.06	0.05	3921.70
MW - 6	Jeremy	10/04/18	3974.72	-	53.02	53.06	0.04	3921.69
MW - 6	Jeremy/Derek	11/14/18	3974.72	-	53.04	53.06	0.02	3921.68
MW - 6	Jeremy	12/18/18	3974.72	-	53.02	53.06	0.04	3921.69
MW - 6	Jeremy	02/18/19	3974.72	-	53.02	53.04	0.02	3921.70
MW - 6	Jeremy	05/14/19	3974.72	-	53.02	53.04	0.02	3921.70
MW - 6	Jeremy	08/19/19	3974.72	-	53.24	53.27	0.03	3921.48
MW - 6	Fernando	01/08/20	3974.72	66.29	53.18	53.22	0.04	3921.53
MW - 6	Elias	02/18/20	3974.72	-	53.20	53.25	0.05	3921.51
MW - 6	Scott	05/05/20	3974.72	-	53.18	53.28	0.10	3921.53
MW - 6	Manny	06/11/20	3974.72	-	53.20	53.27	0.07	3921.51
MW - 6	Manny	09/23/20	3974.72	-	53.30	53.36	0.06	3921.41
MW - 6	Manny	12/04/20	3974.72	-	53.32	53.38	0.06	3921.39

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 6	Manny	03/23/21	3974.72	66.13	53.37	53.49	0.12	3921.33
MW - 6	Manny	06/04/21	3974.72	-	53.34	53.42	0.08	3921.37
MW - 6	Manny	09/30/21	3974.72	-	53.47	53.60	0.13	3921.23
MW - 6	Manny	12/09/21	3974.72	66.28	53.47	53.50	0.03	3921.25
MW - 6	Manny	02/17/22	3974.72	-	53.51	53.55	0.04	3921.20
MW - 6	Manny	03/08/22	3974.72	63.32	53.53	53.63	0.10	3921.18
MW - 6	Manny	05/18/22	3974.72	66.28	53.54	53.62	0.08	3921.17
MW - 6	Manny	08/09/22	3974.72	66.20	53.62	53.71	0.09	3921.09
MW - 6	Manny	11/15/22	3974.72	66.33	53.74	53.75	0.01	3920.98
MW - 6	Manny	02/14/23	3974.72	66.35	53.76	53.79	0.03	3920.96
MW - 6	Manny	05/16/23	3974.72	66.36	-	53.77	0.00	3920.95
MW - 6	Manny	08/08/23	3974.72	66.36	-	53.83	0.00	3920.89
MW - 6	Manny	12/07/23	3974.72	66.32	-	53.88	0.00	3920.84
MW - 6	Manny	03/06/24	3974.72	66.27	-	53.86	0.00	3920.86
MW - 6	Manny	05/23/24	3974.72	66.18	53.86	53.93	0.07	3920.85
MW - 6	Manny	09/18/24	3974.72	66.25	53.95	54.03	0.08	3920.76
MW - 6	Manny	12/11/24	3974.72	66.99	54.11	54.12	0.01	3920.61
MW - 7		03/02/00	3974.60	-	-	53.17	0.00	3921.43
MW - 7		04/25/00	3974.60	-	-	53.23	0.00	3921.37
MW - 7		09/06/00	3974.60	-	-	53.28	0.00	3921.32
MW - 7		11/28/00	3974.60	-	-	53.28	0.00	3921.32
MW - 7		02/21/01	3974.60	-	-	53.18	0.00	3921.42
MW - 7		05/31/01	3974.60	-	-	53.15	0.00	3921.45
MW - 7		08/23/01	3974.60	-	-	53.14	0.00	3921.46
MW - 7		11/21/01	3974.60	-	-	53.19	0.00	3921.41
MW - 7		02/13/02	3974.60	-	-	53.22	0.00	3921.38
MW - 7		06/12/02	3974.60	-	-	53.18	0.00	3921.42
MW - 7		08/26/02	3974.60	-	-	53.19	0.00	3921.41
MW - 7		11/21/02	3974.60	-	-	53.23	0.00	3921.37
MW - 7		02/05/03	3974.60	-	-	53.20	0.00	3921.40
MW - 7		05/07/03	3974.60	-	-	53.18	0.00	3921.42
MW - 7		08/18/03	3974.60	-	-	53.21	0.00	3921.39
MW - 7		12/01/03	3974.60	-	-	53.24	0.00	3921.36
MW - 7		02/05/04	3974.60	-	-	53.27	0.00	3921.33
MW - 7		05/05/04	3974.60	-	-	53.22	0.00	3921.38
MW - 7		09/01/04	3974.60	-	-	53.30	0.00	3921.30
MW - 7		12/15/04	3974.60	-	-	53.25	0.00	3921.35
MW - 7		03/22/05	3974.60	-	-	53.03	0.00	3921.57
MW - 7		06/22/05	3974.60	-	-	52.95	0.00	3921.65
MW - 7		09/21/05	3974.60	-	-	52.87	0.00	3921.73
MW - 7		12/16/05	3974.60	-	-	52.80	0.00	3921.80
MW - 7		03/20/06	3974.60	-	-	52.73	0.00	3921.87
MW - 7		06/21/06	3974.60	-	-	52.69	0.00	3921.91
MW - 7		09/27/06	3974.60	-	-	52.67	0.00	3921.93
MW - 7		12/04/06	3974.60	-	-	52.68	0.00	3921.92
MW - 7		03/14/07	3974.60	-	-	52.64	0.00	3921.96
MW - 7		05/29/07	3974.60	-	-	52.61	0.00	3921.99
MW - 7		08/30/07	3974.60	-	-	52.58	0.00	3922.02
MW - 7		11/12/07	3974.60	-	-	52.54	0.00	3922.06
MW - 7		03/07/08	3974.60	-	-	52.49	0.00	3922.11
MW - 7		06/02/08	3974.60	-	-	52.43	0.00	3922.17
MW - 7		09/03/08	3974.60	-	-	52.44	0.00	3922.16
MW - 7		12/08/08	3974.60	-	-	52.41	0.00	3922.19
MW - 7		02/19/09	3974.60	-	-	52.41	0.00	3922.19
MW - 7		05/20/09	3974.60	-	-	52.35	0.00	3922.25
MW - 7		08/12/09	3974.60	-	-	52.34	0.00	3922.26
MW - 7		11/25/09	3974.60	-	-	52.34	0.00	3922.26
MW - 7		01/07/10	3974.60	-	-	52.33	0.00	3922.27
MW - 7		02/11/10	3974.60	-	-	52.31	0.00	3922.29
MW - 7		05/17/10	3974.60	-	-	52.39	0.00	3922.21
MW - 7		08/16/10	3974.60	-	-	52.40	0.00	3922.20
MW - 7		11/10/10	3974.60	-	-	52.39	0.00	3922.21
MW - 7		02/28/11	3974.60	-	-	53.42	0.00	3921.18
MW - 7		05/12/11	3974.60	-	-	52.31	0.00	3922.29
MW - 7		08/15/11	3974.60	-	-	52.42	0.00	3922.18
MW - 7		11/22/11	3974.60	-	-	52.37	0.00	3922.23
MW - 7		02/28/12	3974.60	-	-	52.35	0.00	3922.25
MW - 7		05/17/12	3974.60	-	-	52.28	0.00	3922.32
MW - 7		08/01/12	3974.60	-	-	52.39	0.00	3922.21
MW - 7		10/25/12	3974.60	-	-	52.47	0.00	3922.13
MW - 7		11/29/12	3974.60	-	-	52.56	0.00	3922.04

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 7		02/11/13	3974.60	-	-	52.44	0.00	3922.16
MW - 7		04/11/13	3974.60	-	-	52.76	0.00	3921.84
MW - 7		05/06/13	3974.60	-	-	52.46	0.00	3922.14
MW - 7		05/29/13	3974.60	-	-	52.71	0.00	3921.89
MW - 7		06/26/13	3974.60	-	-	52.68	0.00	3921.92
MW - 7		07/31/13	3974.60	-	-	52.62	0.00	3921.98
MW - 7		08/06/13	3974.60	-	-	52.62	0.00	3921.98
MW - 7		09/30/13	3974.60	-	-	52.65	0.00	3921.95
MW - 7		11/19/13	3974.60	66.47	-	52.65	0.00	3921.95
MW - 7		12/08/13	3974.60	66.47	-	52.60	0.00	3922.00
MW - 7	David/Jose	02/04/14	3974.60	-	-	52.61	0.00	3921.99
MW - 7	Manny & Chance	04/28/14	3974.60	-	-	52.61	0.00	3921.99
MW - 7		05/28/14	3974.60	-	-	52.74	0.00	3921.86
MW - 7	Manny & Chance	07/30/14	3974.60	-	-	52.70	0.00	3921.90
MW - 7	Manny & Chance	08/23/14	3974.60	-	-	52.76	0.00	3921.84
MW - 7	Manny	10/31/14	3974.60	-	-	52.75	0.00	3921.85
MW - 7	Manny	11/18/14	3974.60	66.41	-	52.71	0.00	3921.89
MW - 7	Manny	01/09/15	3974.60	-	-	52.68	0.00	3921.92
MW - 7	Manny	02/19/15	3974.60	-	-	52.71	0.00	3921.89
MW - 7	Carlos	03/09/15	3974.60	66.26	-	52.78	0.00	3921.82
MW - 7	Arthur/Carlos	04/09/15	3974.60	-	-	52.64	0.00	3921.96
MW - 7	Manny/ Arthur	05/12/15	3974.60	-	-	52.64	0.00	3921.96
MW - 7	Matt/Carlos	07/27/15	3974.60	-	-	52.78	0.00	3921.82
MW - 7	Manny/Matt	08/18/15	3974.60	-	-	52.66	0.00	3921.94
MW - 7	Carlos	10/08/15	3974.60	-	-	52.88	0.00	3921.72
MW - 7	Carlos	11/23/15	3974.60	66.43	-	52.70	0.00	3921.90
MW - 7	Carlos	01/12/16	3974.60	-	-	52.74	0.00	3921.86
MW - 7	Fernando/ Carlos	02/24/16	3974.60	-	-	52.74	0.00	3921.86
MW - 7	Carlos	06/13/16	3974.60	-	-	52.72	0.00	3921.88
MW - 7	Fernando	08/02/16	3974.60	-	-	52.86	0.00	3921.74
MW - 7	Carlos	11/28/16	3974.60	66.50	-	52.80	0.00	3921.80
MW - 7	Carlos	02/21/17	3974.60	66.50	-	52.77	0.00	3921.83
MW - 7	Jeremy	05/24/17	3974.60	-	-	52.73	0.00	3921.87
MW - 7	Jeremy/ Wesley	07/12/17	3974.60	-	-	52.85	0.00	3921.75
MW - 7	Jeremy	08/11/17	3974.60	-	-	52.80	0.00	3921.80
MW - 7	Jeremy	10/18/17	3974.60	-	-	52.92	0.00	3921.68
MW - 7	Jeremy/ Wesley	11/28/17	3974.60	66.47	-	52.89	0.00	3921.71
MW - 7	Jeremy	01/16/18	3974.60	-	-	52.89	0.00	3921.71
MW - 7	Jeremy	02/26/18	3974.60	-	-	52.84	0.00	3921.76
MW - 7	Jeremy	04/03/18	3974.60	-	-	52.47	0.00	3922.13
MW - 7	Jeremy	04/17/18	3974.60	-	-	52.86	0.00	3921.74
MW - 7	Jeremy	05/07/18	3974.60	-	-	52.91	0.00	3921.69
MW - 7	Jeremy	06/26/18	3974.60	-	-	52.92	0.00	3921.68
MW - 7	Jeremy	08/09/18	3974.60	-	-	52.93	0.00	3921.67
MW - 7	Jeremy	09/11/18	3974.60	-	-	52.94	0.00	3921.66
MW - 7	Jeremy/Derek	11/14/18	3974.60	66.50	-	53.03	0.00	3921.57
MW - 7	Jeremy	12/18/18	3974.60	-	-	52.97	0.00	3921.63
MW - 7	Jeremy	02/18/19	3974.60	-	-	52.99	0.00	3921.61
MW - 7	Jeremy	05/14/19	3974.60	-	-	52.95	0.00	3921.65
MW - 7	Jeremy	08/19/19	3974.60	-	-	53.16	0.00	3921.44
MW - 7	Jeremy	11/11/19	3974.60	66.47	-	53.12	0.00	3921.48
MW - 7	Elias	02/18/20	3974.60	-	-	53.08	0.00	3921.52
MW - 7	Scott	05/05/20	3974.60	-	-	53.12	0.00	3921.48
MW - 7	Manny	06/11/20	3974.60	-	-	53.14	0.00	3921.46
MW - 7	Manny	09/23/20	3974.60	-	-	53.26	0.00	3921.34
MW - 7	Manny	12/04/20	3974.60	-	-	53.27	0.00	3921.33
MW - 7	Manny	12/24/20	3974.60	-	-	53.26	0.00	3921.34
MW - 7	Manny	03/23/21	3974.60	66.45	-	53.28	0.00	3921.32
MW - 7	Manny	06/04/21	3974.60	-	-	53.29	0.00	3921.31
MW - 7	Manny	09/30/21	3974.60	-	-	53.43	0.00	3921.17
MW - 7	Manny	12/09/21	3974.60	66.45	-	53.45	0.00	3921.15
MW - 7	Manny	02/17/22	3974.60	-	-	53.35	0.00	3921.25
MW - 7	Manny	05/16/22	3974.60	-	-	53.51	0.00	3921.09
MW - 7	Manny	08/08/22	3974.60	-	-	53.61	0.00	3920.99
MW - 7	Manny	11/16/22	3974.60	66.45	-	53.61	0.00	3920.99
MW - 7	Manny	02/13/23	3974.60	-	-	53.64	0.00	3920.96
MW - 7	Manny	05/15/23	3974.60	-	-	53.74	0.00	3920.86
MW - 7	Manny	08/08/23	3974.60	-	-	53.77	0.00	3920.83
MW - 7	Manny	12/08/23	3974.60	66.52	-	53.85	0.00	3920.75
MW - 7	Manny	03/05/24	3974.60	-	-	53.75	0.00	3920.85
MW - 7	Manny	05/22/24	3974.60	-	-	53.80	0.00	3920.80
MW - 7	Manny	09/18/24	3974.60	-	-	53.89	0.00	3920.71

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 7	Manny	12/11/24	3974.60	64.71	-	53.99	0.00	3920.61
MW - 8		03/02/00	3974.48	-	-	52.89	0.00	3921.59
MW - 8		04/25/00	3974.48	-	-	52.96	0.00	3921.52
MW - 8		09/06/00	3974.48	-	-	53.00	0.00	3921.48
MW - 8		11/28/00	3974.48	-	-	53.00	0.00	3921.48
MW - 8		02/21/01	3974.48	-	-	52.90	0.00	3921.58
MW - 8		05/31/01	3974.48	-	-	52.85	0.00	3921.63
MW - 8		08/23/01	3974.48	-	-	52.87	0.00	3921.61
MW - 8		11/21/01	3974.48	-	-	52.92	0.00	3921.56
MW - 8		02/13/02	3974.48	-	-	52.96	0.00	3921.52
MW - 8		06/12/02	3974.48	-	-	52.93	0.00	3921.55
MW - 8		08/26/02	3974.48	-	-	52.92	0.00	3921.56
MW - 8		11/21/02	3974.48	-	-	52.98	0.00	3921.50
MW - 8		02/05/03	3974.48	-	-	52.90	0.00	3921.58
MW - 8		05/07/03	3974.48	-	-	52.89	0.00	3921.59
MW - 8		08/18/03	3974.48	-	-	52.96	0.00	3921.52
MW - 8		12/01/03	3974.48	-	-	53.00	0.00	3921.48
MW - 8		02/05/04	3974.48	-	-	52.99	0.00	3921.49
MW - 8		05/05/04	3974.48	-	-	52.98	0.00	3921.50
MW - 8		09/01/04	3974.48	-	-	53.05	0.00	3921.43
MW - 8		12/15/04	3974.48	-	-	53.00	0.00	3921.48
MW - 8		03/22/05	3974.48	-	-	52.80	0.00	3921.68
MW - 8		06/22/05	3974.48	-	-	52.68	0.00	3921.80
MW - 8		09/14/05	P&A	-	-	-	-	-
MW - 9		03/02/00	3975.06	-	53.07	54.26	1.19	3921.81
MW - 9		04/25/00	3975.06	-	53.11	54.34	1.23	3921.77
MW - 9		09/06/00	3975.06	-	53.04	55.02	1.98	3921.72
MW - 9		11/28/00	3975.06	-	53.13	54.90	1.77	3921.66
MW - 9		02/02/01	3975.06	-	53.14	54.19	1.05	3921.76
MW - 9		05/31/01	3975.06	-	53.08	54.81	1.73	3921.72
MW - 9		08/23/01	3975.06	-	52.88	55.30	2.42	3921.82
MW - 9		11/21/01	3975.06	-	53.15	54.20	1.05	3921.75
MW - 9		02/13/02	3975.06	-	52.86	55.73	2.87	3921.77
MW - 9		06/12/02	3975.06	-	52.82	55.67	2.85	3921.81
MW - 9		08/26/02	3975.06	-	52.83	55.70	2.87	3921.80
MW - 9		11/08/02	3975.06	-	52.90	55.81	2.91	3921.72
MW - 9		11/21/02	3975.06	-	52.90	55.77	2.87	3921.73
MW - 9		12/27/02	3975.06	-	53.13	54.68	1.55	3921.70
MW - 9		01/06/03	3975.06	-	53.07	54.97	1.90	3921.71
MW - 9		01/08/03	3975.06	-	53.04	55.02	1.98	3921.72
MW - 9		01/10/03	3975.06	-	53.03	55.09	2.06	3921.72
MW - 9		01/13/03	3975.06	-	53.03	55.09	2.06	3921.72
MW - 9		02/05/03	3975.06	-	52.96	55.30	2.34	3921.75
MW - 9		02/26/03	3975.06	-	52.96	55.52	2.56	3921.72
MW - 9		03/04/03	3975.06	-	52.96	55.56	2.60	3921.71
MW - 9		03/12/03	3975.06	-	52.94	55.46	2.52	3921.74
MW - 9		03/18/03	3975.06	-	53.02	57.71	4.69	3921.34
MW - 9		03/25/03	3975.06	-	53.37	53.40	0.03	3921.69
MW - 9		03/31/03	3975.06	-	53.36	53.39	0.03	3921.70
MW - 9		04/09/03	3975.06	-	53.31	53.72	0.41	3921.69
MW - 9		04/14/03	3975.06	-	53.28	53.40	0.12	3921.76
MW - 9		05/07/03	3975.06	-	53.07	54.49	1.42	3921.78
MW - 9		05/08/03	3975.06	-	53.04	54.59	1.55	3921.79
MW - 9		05/13/03	3975.06	-	53.18	54.84	1.66	3921.63
MW - 9		05/21/03	3975.06	-	53.08	54.97	1.89	3921.70
MW - 9		05/27/03	3975.06	-	53.07	55.10	2.03	3921.69
MW - 9		05/28/03	3975.06	-	53.11	55.35	2.24	3921.61
MW - 9		06/03/03	3975.06	-	53.34	54.20	0.86	3921.59
MW - 9		06/10/03	3975.06	-	53.40	53.46	0.06	3921.65
MW - 9		07/01/03	3975.06	-	53.48	53.97	0.49	3921.51
MW - 9		07/08/03	3975.06	-	53.38	53.94	0.56	3921.60
MW - 9		07/29/03	3975.06	-	53.12	54.49	1.37	3921.73
MW - 9		08/04/03	3975.06	-	53.32	54.96	1.64	3921.49
MW - 9		08/18/03	3975.06	-	53.31	54.09	0.78	3921.63
MW - 9		08/25/03	3975.06	-	53.29	55.42	2.13	3921.45
MW - 9		10/01/03	3975.06	-	53.18	53.41	0.23	3921.85
MW - 9		10/06/03	3975.06	-	53.30	53.86	0.56	3921.68
MW - 9		10/08/03	3975.06	-	53.60	54.33	0.73	3921.35
MW - 9		10/15/03	3975.06	-	53.64	54.02	0.38	3921.36
MW - 9		11/12/03	3975.06	-	53.61	54.98	1.37	3921.24
MW - 9		11/19/03	3975.06	-	53.51	55.20	1.69	3921.30

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9		12/01/03	3975.06	-	53.54	55.31	1.77	3921.25
MW - 9		12/10/03	3975.06	-	53.21	54.93	1.72	3921.59
MW - 9		02/05/04	3975.06	-	53.60	55.27	1.67	3921.21
MW - 9		02/17/04	3975.06	-	53.33	54.62	1.29	3921.54
MW - 9		02/25/04	3975.06	-	53.62	55.29	1.67	3921.19
MW - 9		03/09/04	3975.06	-	53.41	55.55	2.14	3921.33
MW - 9		03/16/04	3975.06	-	53.28	55.11	1.83	3921.51
MW - 9		03/22/04	3975.06	-	53.41	53.89	0.48	3921.58
MW - 9		04/07/04	3975.06	-	53.73	53.81	0.08	3921.32
MW - 9		04/12/04	3975.06	-	53.55	53.96	0.41	3921.45
MW - 9		04/19/04	3975.06	-	53.69	53.86	0.17	3921.34
MW - 9		05/05/04	3975.06	-	53.50	54.22	0.72	3921.45
MW - 9		05/11/04	3975.06	-	53.60	54.98	1.38	3921.25
MW - 9		06/07/04	3975.06	-	53.10	54.64	1.54	3921.73
MW - 9		06/15/04	3975.06	-	53.11	54.69	1.58	3921.71
MW - 9		06/20/04	3975.06	-	53.11	54.69	1.58	3921.71
MW - 9		06/21/04	3975.06	-	53.08	54.57	1.49	3921.76
MW - 9		06/28/04	3975.06	-	53.08	54.86	1.78	3921.71
MW - 9		07/08/04	3975.06	-	53.09	54.79	1.70	3921.72
MW - 9		07/12/04	3975.06	-	53.10	54.81	1.71	3921.70
MW - 9		08/12/04	3975.06	-	53.26	54.66	1.40	3921.59
MW - 9		08/17/04	3975.06	-	53.27	54.85	1.58	3921.55
MW - 9		08/26/04	3975.06	-	53.38	54.30	0.92	3921.54
MW - 9		09/01/04	3975.06	-	53.44	54.08	0.64	3921.52
MW - 9		09/03/04	3975.06	-	53.44	53.99	0.55	3921.54
MW - 9		09/08/04	3975.06	-	53.38	54.40	1.02	3921.53
MW - 9		09/14/04	3975.06	-	53.44	54.13	0.69	3921.52
MW - 9		09/22/04	3975.06	-	53.51	54.20	0.69	3921.45
MW - 9		10/01/04	3975.06	-	53.36	54.50	1.14	3921.53
MW - 9		10/08/04	3975.06	-	53.53	54.11	0.58	3921.44
MW - 9		10/15/04	3975.06	-	53.35	54.36	1.01	3921.56
MW - 9		10/22/04	3975.06	-	53.50	54.19	0.69	3921.46
MW - 9		11/12/04	3975.06	-	53.62	54.40	0.78	3921.32
MW - 9		11/26/04	3975.06	-	53.45	54.50	1.05	3921.45
MW - 9		12/02/04	3975.06	-	53.43	54.39	0.96	3921.49
MW - 9		12/06/04	3975.06	-	53.42	54.10	0.68	3921.54
MW - 9		12/13/04	3975.06	-	53.43	54.00	0.57	3921.54
MW - 9		12/15/04	3975.06	-	53.43	54.00	0.57	3921.54
MW - 9		12/27/04	3975.06	-	53.40	54.30	0.90	3921.53
MW - 9		01/10/05	3975.06	-	53.34	53.81	0.47	3921.65
MW - 9		01/18/05	3975.06	-	53.30	53.90	0.60	3921.67
MW - 9		01/25/05	3975.06	-	53.25	54.05	0.80	3921.69
MW - 9		01/27/05	3975.06	-	53.33	53.51	0.18	3921.70
MW - 9		02/01/05	3975.06	-	53.22	53.66	0.44	3921.77
MW - 9		02/07/05	3975.06	-	53.19	53.60	0.41	3921.81
MW - 9		02/11/05	3975.06	-	53.20	53.59	0.39	3921.80
MW - 9		02/15/05	3975.06	-	53.05	53.55	0.50	3921.94
MW - 9		02/22/05	3975.06	-	53.20	53.59	0.39	3921.80
MW - 9		02/24/05	3975.06	-	53.05	53.70	0.65	3921.91
MW - 9		03/03/05	3975.06	-	53.13	53.78	0.65	3921.83
MW - 9		03/09/05	3975.06	-	53.13	53.78	0.65	3921.83
MW - 9		03/22/05	3975.06	-	52.90	53.85	0.95	3922.02
MW - 9		03/24/05	3975.06	-	52.90	53.85	0.95	3922.02
MW - 9		03/31/05	3975.06	-	52.92	53.76	0.84	3922.01
MW - 9		06/22/05	3975.06	-	53.82	54.18	0.36	3921.19
MW - 9		07/21/05	3975.06	-	52.94	53.55	0.61	3922.03
MW - 9		08/03/05	3975.06	-	52.87	53.86	0.99	3922.04
MW - 9		08/12/05	3975.06	-	52.92	53.63	0.71	3922.03
MW - 9		08/15/05	3975.06	-	52.92	53.48	0.56	3922.06
MW - 9		08/22/05	3975.06	-	52.87	53.64	0.77	3922.07
MW - 9		08/30/05	3975.06	-	52.80	53.97	1.17	3922.08
MW - 9		09/07/05	3975.06	-	52.83	53.74	0.91	3922.09
MW - 9		09/14/05	3975.06	-	52.85	53.40	0.55	3922.13
MW - 9		09/20/05	3975.06	-	52.80	53.90	1.10	3922.10
MW - 9		09/21/05	3975.06	-	52.86	53.62	0.76	3922.09
MW - 9		09/28/05	3975.06	-	52.78	54.02	1.24	3922.09
MW - 9		10/06/05	3975.06	-	52.83	53.70	0.87	3922.10
MW - 9		10/13/05	3975.06	-	52.86	53.64	0.78	3922.08
MW - 9		10/20/05	3975.06	-	52.81	53.50	0.69	3922.15
MW - 9		10/26/05	3975.06	-	52.87	53.60	0.73	3922.08
MW - 9		11/03/05	3975.06	-	52.77	53.88	1.11	3922.12
MW - 9		11/10/05	3975.06	-	52.76	53.83	1.07	3922.14

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9		11/16/05	3975.06	-	52.84	53.59	0.75	3922.11
MW - 9		11/23/05	3975.06	-	52.90	53.51	0.61	3922.07
MW - 9		11/28/05	3975.06	-	52.75	53.80	1.05	3922.15
MW - 9		12/05/05	3975.06	-	52.85	53.48	0.63	3922.12
MW - 9		12/12/05	3975.06	-	52.84	53.50	0.66	3922.12
MW - 9		12/16/05	3975.06	-	53.00	53.41	0.41	3922.00
MW - 9		12/19/05	3975.06	-	52.89	53.51	0.62	3922.08
MW - 9		12/29/05	3975.06	-	52.73	53.55	0.82	3922.21
MW - 9		01/04/06	3975.06	-	52.76	53.51	0.75	3922.19
MW - 9		01/10/06	3975.06	-	52.68	53.51	0.83	3922.26
MW - 9		01/17/06	3975.06	-	52.77	53.85	1.08	3922.13
MW - 9		01/26/06	3975.06	-	52.75	53.80	1.05	3922.15
MW - 9		01/31/06	3975.06	-	52.79	53.75	0.96	3922.13
MW - 9		02/07/06	3975.06	-	52.79	53.70	0.91	3922.13
MW - 9		02/09/06	3975.06	-	52.90	53.10	0.20	3922.13
MW - 9		02/13/06	3975.06	-	52.76	53.58	0.82	3922.18
MW - 9		02/22/06	3975.06	-	52.79	53.60	0.81	3922.15
MW - 9		02/28/06	3975.06	-	52.77	53.60	0.83	3922.17
MW - 9		03/07/06	3975.06	-	52.76	53.58	0.82	3922.18
MW - 9		03/15/06	3975.06	-	52.75	53.60	0.85	3922.18
MW - 9		03/20/06	3975.06	-	52.75	53.52	0.77	3922.19
MW - 9		03/22/06	3975.06	-	52.96	52.98	0.02	3922.10
MW - 9		03/29/06	3975.06	-	52.80	53.21	0.41	3922.20
MW - 9		04/11/06	3975.06	-	52.74	53.42	0.68	3922.22
MW - 9		04/18/06	3975.06	-	52.75	53.41	0.66	3922.21
MW - 9		04/25/06	3975.06	-	52.83	53.07	0.24	3922.19
MW - 9		05/02/06	3975.06	-	52.74	53.34	0.60	3922.23
MW - 9		05/09/06	3975.06	-	52.73	53.34	0.61	3922.24
MW - 9		05/16/06	3975.06	-	52.74	53.43	0.69	3922.22
MW - 9		05/23/06	3975.06	-	52.71	53.48	0.77	3922.23
MW - 9		05/31/06	3975.06	-	52.71	53.54	0.83	3922.23
MW - 9		06/06/06	3975.06	-	52.73	53.88	1.15	3922.16
MW - 9		06/13/06	3975.06	-	52.72	53.38	0.66	3922.24
MW - 9		06/20/06	3975.06	-	52.72	53.38	0.66	3922.24
MW - 9		06/21/06	3975.06	-	52.79	53.07	0.28	3922.23
MW - 9		07/06/06	3975.06	-	52.69	53.52	0.83	3922.25
MW - 9		07/12/06	3975.06	-	52.66	53.66	1.00	3922.25
MW - 9		07/20/06	3975.06	-	52.63	53.61	0.98	3922.28
MW - 9		07/25/06	3975.06	-	52.75	53.70	0.95	3922.17
MW - 9		08/01/06	3975.06	-	52.70	53.49	0.79	3922.24
MW - 9		08/16/06	3975.06	-	52.68	53.69	1.01	3922.23
MW - 9		08/23/06	3975.06	-	52.70	53.47	0.77	3922.24
MW - 9		08/28/06	3975.06	-	52.72	53.36	0.64	3922.24
MW - 9		09/12/06	3975.06	-	52.67	53.65	0.98	3922.24
MW - 9		09/22/06	3975.06	-	52.65	53.60	0.95	3922.27
MW - 9		09/27/06	3975.06	-	52.70	53.38	0.68	3922.26
MW - 9		10/06/06	3975.06	-	52.64	53.64	1.00	3922.27
MW - 9		10/10/06	3975.06	-	52.71	53.30	0.59	3922.26
MW - 9		10/16/06	3975.06	-	52.74	53.39	0.65	3922.22
MW - 9		10/26/06	3975.06	-	52.68	53.49	0.81	3922.26
MW - 9		11/03/06	3975.06	-	52.69	53.39	0.70	3922.27
MW - 9		11/09/06	3975.06	-	52.70	53.35	0.65	3922.26
MW - 9		11/16/06	3975.06	-	52.70	53.35	0.65	3922.26
MW - 9		11/22/06	3975.06	-	52.71	53.29	0.58	3922.26
MW - 9		12/04/06	3975.06	-	52.66	53.45	0.79	3922.28
MW - 9		12/08/06	3975.06	-	52.65	53.55	0.90	3922.28
MW - 9		12/15/06	3975.06	-	52.67	53.32	0.65	3922.29
MW - 9		01/05/07	3975.06	-	52.61	53.62	1.01	3922.30
MW - 9		01/12/07	3975.06	-	52.66	53.37	0.71	3922.29
MW - 9		01/18/07	3975.06	-	52.68	53.30	0.62	3922.29
MW - 9		01/24/07	3975.06	-	52.69	53.28	0.59	3922.28
MW - 9		01/29/07	3975.06	-	52.67	53.20	0.53	3922.31
MW - 9		02/09/07	3975.06	-	52.63	53.36	0.73	3922.32
MW - 9		02/16/07	3975.06	-	52.65	53.34	0.69	3922.31
MW - 9		02/23/07	3975.06	-	52.63	53.29	0.66	3922.33
MW - 9		03/02/07	3975.06	-	52.62	53.45	0.83	3922.32
MW - 9		03/14/07	3975.06	-	52.66	53.09	0.43	3922.34
MW - 9		03/26/07	3975.06	-	52.63	53.26	0.63	3922.34
MW - 9		04/03/07	3975.06	-	52.60	53.38	0.78	3922.34
MW - 9		04/09/07	3975.06	-	52.61	53.27	0.66	3922.35
MW - 9		04/26/07	3975.06	-	52.58	53.44	0.86	3922.35
MW - 9		04/30/07	3975.06	-	52.22	53.26	1.04	3922.68

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9		05/11/07	3975.06	-	52.59	53.65	1.06	3922.31
MW - 9		05/16/07	3975.06	-	52.64	53.11	0.47	3922.35
MW - 9		05/22/07	3975.06	-	52.64	53.14	0.50	3922.35
MW - 9		05/29/07	3975.06	-	52.61	53.16	0.55	3922.37
MW - 9		06/01/07	3975.06	-	52.59	53.23	0.64	3922.37
MW - 9		06/08/07	3975.06	-	52.61	53.20	0.59	3922.36
MW - 9		06/11/07	3975.06	-	52.65	53.01	0.36	3922.36
MW - 9		06/20/07	3975.06	-	52.60	53.23	0.63	3922.37
MW - 9		07/10/07	3975.06	-	52.56	53.35	0.79	3922.38
MW - 9		07/20/07	3975.06	-	52.56	53.33	0.77	3922.38
MW - 9		07/25/07	3975.06	-	52.69	53.16	0.47	3922.30
MW - 9		08/01/07	3975.06	-	52.58	53.14	0.56	3922.40
MW - 9		08/10/07	3975.06	-	52.29	53.16	0.87	3922.64
MW - 9		08/15/07	3975.06	-	52.60	53.05	0.45	3922.39
MW - 9		08/30/07	3975.06	-	52.56	53.26	0.70	3922.40
MW - 9		08/31/07	3975.06	-	52.56	53.26	0.70	3922.40
MW - 9		09/10/07	3975.06	-	52.53	53.34	0.81	3922.41
MW - 9		09/19/07	3975.06	-	52.53	53.30	0.77	3922.41
MW - 9		09/27/07	3975.06	-	52.55	53.15	0.60	3922.42
MW - 9		10/01/07	3975.06	-	52.58	52.99	0.41	3922.42
MW - 9		10/19/07	3975.06	-	52.50	53.35	0.85	3922.43
MW - 9		10/26/07	3975.06	-	52.53	53.15	0.62	3922.44
MW - 9		11/12/07	3975.06	-	52.73	53.16	0.43	3922.27
MW - 9		11/16/07	3975.06	-	52.62	52.83	0.21	3922.41
MW - 9		11/29/07	3975.06	-	52.66	53.01	0.35	3922.35
MW - 9		12/13/07	3975.06	-	52.51	53.20	0.69	3922.45
MW - 9		01/10/08	3975.06	-	52.49	53.18	0.69	3922.47
MW - 9		01/17/08	3975.06	-	52.50	53.13	0.63	3922.47
MW - 9		01/22/08	3975.06	-	52.49	53.12	0.63	3922.48
MW - 9		02/06/08	3975.06	-	52.53	52.97	0.44	3922.46
MW - 9		02/06/08	3975.06	-	52.50	52.66	0.16	3922.54
MW - 9		02/12/08	3975.06	-	52.54	52.90	0.36	3922.47
MW - 9		02/12/08	3975.06	-	52.60	52.63	0.03	3922.46
MW - 9		02/20/08	3975.06	-	52.52	52.93	0.41	3922.48
MW - 9		02/20/08	3975.06	-	52.58	52.68	0.10	3922.47
MW - 9		02/27/08	3975.06	-	52.52	52.91	0.39	3922.48
MW - 9		02/27/08	3975.06	-	52.57	52.66	0.09	3922.48
MW - 9		03/07/08	3975.06	-	52.52	53.00	0.48	3922.47
MW - 9		03/12/08	3975.06	-	52.52	53.00	0.48	3922.47
MW - 9		03/12/08	3975.06	-	52.56	52.66	0.10	3922.49
MW - 9		03/20/08	3975.06	-	52.50	52.92	0.42	3922.50
MW - 9		03/20/08	3975.06	-	52.54	52.70	0.16	3922.50
MW - 9		03/23/08	3975.06	-	52.49	52.89	0.40	3922.51
MW - 9		03/23/08	3975.06	-	52.55	52.63	0.08	3922.50
MW - 9		04/02/08	3975.06	-	52.51	52.86	0.35	3922.50
MW - 9		04/02/08	3975.06	-	52.54	52.68	0.14	3922.50
MW - 9		04/09/08	3975.06	-	52.48	52.87	0.39	3922.52
MW - 9		04/09/08	3975.06	-	52.53	52.72	0.19	3922.50
MW - 9		04/16/08	3975.06	-	52.48	52.89	0.41	3922.52
MW - 9		04/23/08	3975.06	-	52.49	52.86	0.37	3922.51
MW - 9		04/30/08	3975.06	-	52.47	52.90	0.43	3922.53
MW - 9		05/29/08	3975.06	-	52.48	52.85	0.37	3922.52
MW - 9		06/02/08	3975.06	-	52.48	52.77	0.29	3922.54
MW - 9		06/03/08	3975.06	-	52.48	52.77	0.29	3922.54
MW - 9		06/11/08	3975.06	-	52.47	52.87	0.40	3922.53
MW - 9		06/18/08	3975.06	-	52.47	52.89	0.42	3922.53
MW - 9		06/23/08	3975.06	-	52.49	52.78	0.29	3922.53
MW - 9		07/01/08	3975.06	-	52.48	52.86	0.38	3922.52
MW - 9		07/09/08	3975.06	-	52.59	52.86	0.27	3922.43
MW - 9		07/15/08	3975.06	-	52.48	52.80	0.32	3922.53
MW - 9		07/22/08	3975.06	-	52.47	52.85	0.38	3922.53
MW - 9		08/02/08	3975.06	-	52.46	52.90	0.44	3922.53
MW - 9		08/13/08	3975.06	-	52.45	52.88	0.43	3922.55
MW - 9		09/03/08	3975.06	-	52.42	52.98	0.56	3922.56
MW - 9		09/11/08	3975.06	-	52.46	52.85	0.39	3922.54
MW - 9		09/19/08	3975.06	-	52.44	52.82	0.38	3922.56
MW - 9		09/26/08	3975.06	-	52.46	52.81	0.35	3922.55
MW - 9		10/10/08	3975.06	-	52.44	52.81	0.37	3922.56
MW - 9		10/17/08	3975.06	-	52.47	52.78	0.31	3922.54
MW - 9		10/21/08	3975.06	-	52.46	52.70	0.24	3922.56
MW - 9		10/30/08	3975.06	-	52.45	52.78	0.33	3922.56
MW - 9		11/04/08	3975.06	-	52.46	52.75	0.29	3922.56

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9		11/18/08	3975.06	-	52.46	52.84	0.38	3922.54
MW - 9		11/25/08	3975.06	-	52.46	52.76	0.30	3922.56
MW - 9		12/10/08	3975.06	-	52.42	52.84	0.42	3922.58
MW - 9		12/18/08	3975.06	-	52.43	52.80	0.37	3922.57
MW - 9		01/06/09	3975.06	-	52.43	52.89	0.46	3922.56
MW - 9		01/14/09	3975.06	-	52.45	52.89	0.44	3922.54
MW - 9		01/21/09	3975.06	-	47.11	47.60	0.49	3927.88
MW - 9		01/22/09	3975.06	-	52.42	52.75	0.33	3922.59
MW - 9		01/30/09	3975.06	-	52.43	52.76	0.33	3922.58
MW - 9		02/03/09	3975.06	-	52.44	52.69	0.25	3922.58
MW - 9		02/12/09	3975.06	-	52.43	52.79	0.36	3922.58
MW - 9		02/19/09	3975.06	-	52.44	52.82	0.38	3922.56
MW - 9		03/04/09	3975.06	-	52.49	52.89	0.40	3922.51
MW - 9		03/06/09	3975.06	-	52.40	52.84	0.44	3922.59
MW - 9		03/11/09	3975.06	-	52.44	52.78	0.34	3922.57
MW - 9		03/16/09	3975.06	-	52.53	52.92	0.39	3922.47
MW - 9		03/19/09	3975.06	-	52.43	52.74	0.31	3922.58
MW - 9		03/24/09	3975.06	-	52.39	52.74	0.35	3922.62
MW - 9		04/03/09	3975.06	-	52.73	52.82	0.09	3922.32
MW - 9		04/15/09	3975.06	-	52.40	52.75	0.35	3922.61
MW - 9		04/17/09	3975.06	-	52.43	52.61	0.18	3922.60
MW - 9		04/22/09	3975.06	-	52.38	52.81	0.43	3922.62
MW - 9		04/29/09	3975.06	-	52.39	52.74	0.35	3922.62
MW - 9		05/20/09	3975.06	-	52.39	52.76	0.37	3922.61
MW - 9		05/20/09	3975.06	-	52.39	52.76	0.37	3922.61
MW - 9		06/09/09	3975.06	-	52.38	52.78	0.40	3922.62
MW - 9		06/17/09	3975.06	-	52.40	52.22	-0.18	3922.69
MW - 9		06/23/09	3975.06	-	52.36	52.83	0.47	3922.63
MW - 9		07/01/09	3975.06	-	52.39	52.25	-0.14	3922.69
MW - 9		07/08/09	3975.06	-	52.40	52.68	0.28	3922.62
MW - 9		07/15/09	3975.06	-	52.38	52.66	0.28	3922.64
MW - 9		07/17/09	3975.06	-	52.41	52.63	0.22	3922.62
MW - 9		07/23/09	3975.06	-	52.41	52.66	0.25	3922.61
MW - 9		07/24/09	3975.06	-	52.46	52.56	0.10	3922.59
MW - 9		07/30/09	3975.06	-	52.41	52.65	0.24	3922.61
MW - 9		08/04/09	3975.06	-	52.04	52.62	0.58	3922.93
MW - 9		08/12/09	3975.06	-	52.40	52.69	0.29	3922.62
MW - 9		08/20/09	3975.06	-	52.38	52.74	0.36	3922.63
MW - 9		08/26/09	3975.06	-	52.31	52.83	0.52	3922.67
MW - 9		09/02/09	3975.06	-	52.40	52.69	0.29	3922.62
MW - 9		09/09/09	3975.06	-	52.39	52.72	0.33	3922.62
MW - 9		09/14/09	3975.06	-	52.40	52.65	0.25	3922.62
MW - 9		09/21/09	3975.06	-	52.39	52.69	0.30	3922.63
MW - 9		10/01/09	3975.06	-	52.41	52.72	0.31	3922.60
MW - 9		10/08/09	3975.06	-	52.43	52.76	0.33	3922.58
MW - 9		10/14/09	3975.06	-	52.39	52.68	0.29	3922.63
MW - 9		10/21/09	3975.06	-	52.37	52.73	0.36	3922.64
MW - 9		10/28/09	3975.06	-	52.38	52.67	0.29	3922.64
MW - 9		11/04/09	3975.06	-	52.39	52.64	0.25	3922.63
MW - 9		11/11/09	3975.06	-	52.38	52.63	0.25	3922.64
MW - 9		11/18/09	3975.06	-	52.38	52.65	0.27	3922.64
MW - 9		11/25/09	3975.06	-	52.39	52.64	0.25	3922.63
MW - 9		12/02/09	3975.06	-	52.39	52.68	0.29	3922.63
MW - 9		12/10/09	3975.06	-	52.39	52.65	0.26	3922.63
MW - 9		12/17/09	3975.06	-	52.45	52.63	0.18	3922.58
MW - 9		12/21/09	3975.06	-	52.41	52.65	0.24	3922.61
MW - 9		12/30/09	3975.06	-	52.45	52.73	0.28	3922.57
MW - 9		01/07/10	3975.06	-	52.39	52.61	0.22	3922.64
MW - 9		01/18/10	3975.06	-	52.36	52.69	0.33	3922.65
MW - 9		02/02/10	3975.06	-	52.36	52.70	0.34	3922.65
MW - 9		02/11/10	3975.06	-	52.35	52.62	0.27	3922.67
MW - 9		02/18/10	3975.06	-	52.34	52.66	0.32	3922.67
MW - 9		02/25/10	3975.06	-	52.44	52.70	0.26	3922.58
MW - 9		03/02/10	3975.06	-	52.45	52.68	0.23	3922.58
MW - 9		03/04/10	3975.06	-	52.34	52.58	0.24	3922.68
MW - 9		03/10/10	3975.06	-	52.36	52.60	0.24	3922.66
MW - 9		03/12/10	3975.06	-	52.48	52.64	0.16	3922.56
MW - 9		03/15/10	3975.06	-	52.38	52.58	0.20	3922.65
MW - 9		03/18/10	3975.06	-	52.37	52.56	0.19	3922.66
MW - 9		03/22/10	3975.06	-	52.43	52.64	0.21	3922.60
MW - 9		03/24/10	3975.06	-	52.47	52.60	0.13	3922.57
MW - 9		03/30/10	3975.06	-	52.44	52.64	0.20	3922.59

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9		04/07/10	3975.06	-	52.45	52.71	0.26	3922.57
MW - 9		04/12/10	3975.06	-	52.34	52.52	0.18	3922.69
MW - 9		04/16/10	3975.06	-	52.51	52.69	0.18	3922.52
MW - 9		04/20/10	3975.06	-	52.41	52.53	0.12	3922.63
MW - 9		04/27/10	3975.06	-	52.41	52.50	0.09	3922.64
MW - 9		04/30/10	3975.06	-	52.39	52.49	0.10	3922.66
MW - 9		05/12/10	3975.06	-	52.27	52.33	0.06	3922.78
MW - 9		05/14/10	3975.06	-	52.41	52.51	0.10	3922.64
MW - 9		05/17/10	3975.06	-	52.38	52.42	0.04	3922.67
MW - 9		05/20/10	3975.06	-	52.29	52.32	0.03	3922.77
MW - 9		05/25/10	3975.06	-	52.27	52.34	0.07	3922.78
MW - 9		06/01/10	3975.06	-	52.28	52.33	0.05	3922.77
MW - 9		06/09/10	3975.06	-	52.30	52.34	0.04	3922.75
MW - 9		06/16/10	3975.06	-	52.40	52.50	0.10	3922.65
MW - 9		06/28/10	3975.06	-	52.39	52.49	0.10	3922.66
MW - 9		07/09/10	3975.06	-	52.42	52.50	0.08	3922.63
MW - 9		07/14/10	3975.06	-	52.34	52.50	0.16	3922.70
MW - 9		07/23/10	3975.06	-	52.35	52.51	0.16	3922.69
MW - 9		07/29/10	3975.06	-	52.35	52.52	0.17	3922.68
MW - 9		08/05/10	3975.06	-	52.35	52.60	0.25	3922.67
MW - 9		08/12/10	3975.06	-	52.35	52.54	0.19	3922.68
MW - 9		08/16/10	3975.06	-	52.35	52.54	0.19	3922.68
MW - 9		08/18/10	3975.06	-	52.35	52.54	0.19	3922.68
MW - 9		08/25/10	3975.06	-	52.41	52.63	0.22	3922.62
MW - 9		09/02/10	3975.06	-	52.35	52.51	0.16	3922.69
MW - 9		09/08/10	3975.06	-	52.37	52.52	0.15	3922.67
MW - 9		09/30/10	3975.06	-	52.35	52.53	0.18	3922.68
MW - 9		10/07/10	3975.06	-	52.36	52.52	0.16	3922.68
MW - 9		10/14/10	3975.06	-	52.37	52.54	0.17	3922.66
MW - 9		10/21/10	3975.06	-	52.39	52.52	0.13	3922.65
MW - 9		11/04/10	3975.06	-	52.35	52.53	0.18	3922.68
MW - 9		11/10/10	3975.06	-	52.41	52.49	0.08	3922.64
MW - 9		12/01/10	3975.06	-	52.31	52.56	0.25	3922.71
MW - 9		12/08/10	3975.06	-	52.39	52.54	0.15	3922.65
MW - 9		01/26/11	3975.06	-	52.31	52.64	0.33	3922.70
MW - 9		02/28/11	3975.06	-	52.40	52.53	0.13	3922.64
MW - 9		03/04/11	3975.06	-	52.28	52.54	0.26	3922.74
MW - 9		03/09/11	3975.06	-	52.32	52.54	0.22	3922.71
MW - 9		04/28/11	3975.06	-	52.27	52.51	0.24	3922.75
MW - 9		05/04/11	3975.06	-	52.21	52.51	0.30	3922.81
MW - 9		05/11/11	3975.06	-	52.34	52.54	0.20	3922.69
MW - 9		05/12/11	3975.06	-	52.25	52.48	0.23	3922.78
MW - 9		05/18/11	3975.06	-	52.23	52.41	0.18	3922.80
MW - 9		05/23/11	3975.06	-	52.20	52.48	0.28	3922.82
MW - 9		06/08/11	3975.06	-	52.41	52.73	0.32	3922.60
MW - 9		06/16/11	3975.06	-	52.32	52.62	0.30	3922.70
MW - 9		06/22/11	3975.06	-	52.21	52.54	0.33	3922.80
MW - 9		06/30/11	3975.06	-	52.39	52.65	0.26	3922.63
MW - 9		07/06/11	3975.06	-	52.34	52.52	0.18	3922.69
MW - 9		07/13/11	3975.06	-	52.36	52.59	0.23	3922.67
MW - 9		07/15/11	3975.06	-	52.35	52.58	0.23	3922.68
MW - 9		07/19/11	3975.06	-	52.34	52.54	0.20	3922.69
MW - 9		07/21/11	3975.06	-	52.33	52.43	0.10	3922.72
MW - 9		07/26/11	3975.06	-	52.35	52.49	0.14	3922.69
MW - 9		07/28/11	3975.06	-	52.30	52.46	0.16	3922.74
MW - 9		08/02/11	3975.06	-	52.34	52.65	0.31	3922.67
MW - 9		08/09/11	3975.06	-	52.30	52.47	0.17	3922.73
MW - 9		08/12/11	3975.06	-	52.36	52.52	0.16	3922.68
MW - 9		08/15/11	3975.06	-	52.33	52.52	0.19	3922.70
MW - 9		08/16/11	3975.06	-	52.37	52.54	0.17	3922.66
MW - 9		08/19/11	3975.06	-	52.37	52.48	0.11	3922.67
MW - 9		08/23/11	3975.06	-	52.33	52.45	0.12	3922.71
MW - 9		08/26/11	3975.06	-	52.35	52.56	0.21	3922.68
MW - 9		08/30/11	3975.06	-	52.21	52.47	0.26	3922.81
MW - 9		09/01/11	3975.06	-	52.40	52.47	0.07	3922.65
MW - 9		09/08/11	3975.06	-	-	52.45	0.00	3922.61
MW - 9		09/13/11	3975.06	-	-	52.36	0.00	3922.70
MW - 9		09/15/11	3975.06	-	-	52.53	0.00	3922.53
MW - 9		09/22/11	3975.06	-	-	52.37	0.00	3922.69
MW - 9		10/06/11	3975.06	-	-	52.46	0.00	3922.60
MW - 9		10/11/11	3975.06	-	-	52.46	0.00	3922.60
MW - 9		10/13/11	3975.06	-	-	52.48	0.00	3922.58

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9		10/26/11	3975.06	-	-	52.51	0.00	3922.55
MW - 9		11/22/11	3975.06	-	52.51	52.55	0.04	3922.54
MW - 9		12/02/11	3975.06	-	-	52.49	0.00	3922.57
MW - 9		12/29/11	3975.06	-	-	52.45	0.00	3922.61
MW - 9		01/26/12	3975.06	-	52.42	52.45	0.03	3922.64
MW - 9		01/31/12	3975.06	-	-	52.35	0.00	3922.71
MW - 9		02/15/12	3975.06	-	52.40	52.42	0.02	3922.66
MW - 9		02/28/12	3975.06	-	52.38	52.39	0.01	3922.68
MW - 9		03/20/12	3975.06	-	52.35	52.47	0.12	3922.69
MW - 9		03/27/12	3975.06	-	52.35	52.51	0.16	3922.69
MW - 9		04/10/12	3975.06	-	52.38	52.57	0.19	3922.65
MW - 9		04/19/12	3975.06	-	52.34	52.52	0.18	3922.69
MW - 9		04/26/12	3975.06	-	52.37	52.51	0.14	3922.67
MW - 9		05/08/12	3975.06	-	52.37	52.51	0.14	3922.67
MW - 9		05/15/12	3975.06	-	52.38	52.61	0.23	3922.65
MW - 9		05/17/12	3975.06	-	52.37	52.60	0.23	3922.66
MW - 9		06/05/12	3975.06	-	52.36	52.61	0.25	3922.66
MW - 9		06/21/12	3975.06	-	52.36	52.72	0.36	3922.65
MW - 9		06/28/12	3975.06	-	52.34	52.78	0.44	3922.65
MW - 9		07/17/12	3975.06	-	52.43	52.76	0.33	3922.58
MW - 9		08/01/12	3975.06	-	52.49	52.72	0.23	3922.54
MW - 9		10/02/12	3975.06	-	52.52	52.96	0.44	3922.47
MW - 9		10/09/12	3975.06	-	52.38	52.60	0.22	3922.65
MW - 9		10/16/12	3975.06	-	52.52	52.83	0.31	3922.49
MW - 9		10/25/12	3975.06	-	52.51	52.93	0.42	3922.49
MW - 9		10/30/12	3975.06	-	52.51	52.92	0.41	3922.49
MW - 9		11/29/12	3975.06	-	52.44	52.95	0.51	3922.54
MW - 9		12/14/12	3975.06	-	52.48	52.92	0.44	3922.51
MW - 9		02/11/13	3975.06	-	52.46	52.98	0.52	3922.52
MW - 9		04/11/13	3975.06	-	52.52	52.85	0.33	3922.49
MW - 9		04/15/13	3975.06	-	52.39	52.66	0.27	3922.63
MW - 9		04/22/13	3975.06	-	52.51	52.79	0.28	3922.51
MW - 9		05/06/13	3975.06	-	52.53	52.90	0.37	3922.47
MW - 9		05/09/13	3975.06	-	52.53	52.93	0.40	3922.47
MW - 9		05/20/13	3975.06	-	52.53	52.99	0.46	3922.46
MW - 9		05/24/13	3975.06	-	52.61	53.07	0.46	3922.38
MW - 9		05/29/13	3975.06	-	52.47	52.54	0.07	3922.58
MW - 9		05/31/13	3975.06	-	52.49	52.75	0.26	3922.53
MW - 9		06/07/13	3975.06	-	52.45	52.73	0.28	3922.57
MW - 9		06/12/13	3975.06	-	52.43	52.69	0.26	3922.59
MW - 9		06/14/13	3975.06	-	52.44	52.70	0.26	3922.58
MW - 9		06/19/13	3975.06	-	52.43	52.58	0.15	3922.61
MW - 9		06/21/13	3975.06	-	52.47	52.61	0.14	3922.57
MW - 9		06/25/13	3975.06	-	52.43	52.63	0.20	3922.60
MW - 9		06/26/13	3975.06	-	52.57	52.75	0.18	3922.46
MW - 9		07/03/13	3975.06	-	52.62	52.92	0.30	3922.40
MW - 9		07/09/13	3975.06	-	52.69	53.05	0.36	3922.32
MW - 9		07/11/13	3975.06	-	52.52	52.84	0.32	3922.49
MW - 9		07/24/13	3975.06	-	52.47	52.83	0.36	3922.54
MW - 9		07/26/13	3975.06	-	52.45	52.78	0.33	3922.56
MW - 9		07/31/13	3975.06	-	52.45	52.81	0.36	3922.56
MW - 9		08/02/13	3975.06	-	52.48	52.85	0.37	3922.52
MW - 9		08/06/13	3975.06	-	52.49	52.87	0.38	3922.51
MW - 9		08/14/13	3975.06	-	52.45	52.86	0.41	3922.55
MW - 9		08/21/13	3975.06	-	52.50	52.94	0.44	3922.49
MW - 9		08/26/13	3975.06	-	52.53	52.95	0.42	3922.47
MW - 9		09/06/13	3975.06	-	52.60	53.03	0.43	3922.40
MW - 9		08/30/13	3975.06	-	52.50	52.87	0.37	3922.50
MW - 9		09/13/13	3975.06	-	52.62	52.91	0.29	3922.40
MW - 9		09/27/13	3975.06	-	52.58	53.00	0.42	3922.42
MW - 9		09/30/13	3975.06	-	52.55	52.95	0.40	3922.45
MW - 9		10/02/13	3975.06	-	52.53	52.93	0.40	3922.47
MW - 9		10/03/13	3975.06	-	52.52	52.92	0.40	3922.48
MW - 9		10/11/13	3975.06	-	52.62	52.98	0.36	3922.39
MW - 9		10/17/13	3975.06	-	52.64	52.97	0.33	3922.37
MW - 9		10/22/13	3975.06	-	52.65	52.95	0.30	3922.37
MW - 9		10/24/13	3975.06	-	52.70	52.91	0.21	3922.33
MW - 9		10/30/13	3975.06	-	52.66	52.94	0.28	3922.36
MW - 9		11/01/13	3975.06	-	52.64	52.87	0.23	3922.39
MW - 9		11/04/13	3975.06	-	52.66	52.98	0.32	3922.35
MW - 9		11/08/13	3975.06	-	52.65	53.00	0.35	3922.36
MW - 9		11/13/13	3975.06	-	52.63	53.01	0.38	3922.37

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9		11/15/13	3975.06	-	52.63	53.03	0.40	3922.37
MW - 9		11/18/13	3975.06	-	52.65	53.15	0.50	3922.34
MW - 9		12/12/13	3975.06	-	52.65	53.23	0.58	3922.32
MW - 9		12/16/13	3975.06	-	52.64	53.25	0.61	3922.33
MW - 9		12/18/13	3975.06	-	52.66	53.21	0.55	3922.32
MW - 9		12/23/13	3975.06	-	52.60	53.05	0.45	3922.39
MW - 9		12/30/13	3975.06	-	52.60	52.95	0.35	3922.41
MW - 9	Manny	01/09/15	3975.06	-	-	52.68	0.00	3922.38
MW - 9		01/06/14	3975.06	-	52.62	53.02	0.40	3922.38
MW - 9		01/15/14	3975.06	-	52.63	53.09	0.46	3922.36
MW - 9	David F.	01/17/14	3975.06	-	52.62	53.05	0.43	3922.38
MW - 9	David F.	01/20/14	3975.06	-	52.63	52.96	0.33	3922.38
MW - 9		01/22/14	3975.06	-	52.77	52.90	0.13	3922.27
MW - 9	John F.	01/29/14	3975.06	-	52.66	53.17	0.51	3922.32
MW - 9	David/Jose	02/04/14	3975.06	-	52.64	53.11	0.47	3922.35
MW - 9		02/13/14	3975.06	-	52.65	53.20	0.55	3922.33
MW - 9	David F.	02/21/14	3975.06	-	52.59	53.05	0.46	3922.40
MW - 9	David F.	02/26/14	3975.06	-	52.61	55.16	2.55	3922.07
MW - 9	John F.	03/12/14	3975.06	-	52.58	53.10	0.52	3922.40
MW - 9	John F.	03/14/14	3975.06	-	52.56	53.05	0.49	3922.43
MW - 9	John & Jose	03/17/14	3975.06	-	52.56	53.08	0.52	3922.42
MW - 9	David F.	03/24/14	3975.06	-	52.56	52.94	0.38	3922.44
MW - 9	David & Jose	03/26/14	3975.06	-	52.60	52.91	0.31	3922.41
MW - 9	Baer	04/09/14	3975.06	-	52.63	53.02	0.39	3922.37
MW - 9	Baer	04/18/14	3975.06	-	52.65	53.00	0.35	3922.36
MW - 9	Manny & chance	04/21/14	3975.06	-	52.65	52.99	0.34	3922.36
MW - 9	Manny & chance	04/28/14	3975.06	-	52.65	53.03	0.38	3922.35
MW - 9	Manny & chance	05/09/14	3975.06	-	52.67	53.15	0.48	3922.32
MW - 9	Jose	05/12/14	3975.06	-	52.64	52.95	0.31	3922.37
MW - 9	Manny & chance	05/19/14	3975.06	-	52.62	52.98	0.36	3922.39
MW - 9		05/28/14	3975.06	-	52.69	52.90	0.21	3922.34
MW - 9		06/04/14	3975.06	-	52.66	52.81	0.15	3922.38
MW - 9		06/13/14	3975.06	-	52.63	52.85	0.22	3922.40
MW - 9		06/16/14	3975.06	-	52.69	52.90	0.21	3922.34
MW - 9	Manny	07/02/14	3975.06	-	52.70	53.11	0.41	3922.30
MW - 9	Manny	07/07/14	3975.06	-	52.73	53.04	0.31	3922.28
MW - 9	Manny	07/18/14	3975.06	-	52.73	53.10	0.37	3922.27
MW - 9	Manny & Chance	07/30/14	3975.06	-	52.69	53.13	0.44	3922.30
MW - 9	Manny	08/11/14	3975.06	-	52.70	53.20	0.50	3922.29
MW - 9	Manny & Chance	08/22/14	3975.06	-	52.74	53.33	0.59	3922.23
MW - 9	Manny & Chance	08/23/14	3975.06	-	52.74	53.33	0.59	3922.23
MW - 9	Manny & Chance	09/10/14	3975.06	-	52.79	53.45	0.66	3922.17
MW - 9	Manny	09/15/14	3975.06	-	-	-	-	-
MW - 9	Manny	09/23/14	3975.06	-	52.83	53.29	0.46	3922.16
MW - 9	David F.	09/25/14	3975.06	-	52.98	53.35	0.37	3922.02
MW - 9	Manny	10/03/14	3975.06	-	52.76	53.28	0.52	3922.22
MW - 9	Manny	10/15/14	3975.06	-	52.79	53.44	0.65	3922.17
MW - 9	Manny	10/17/14	3975.06	-	52.79	53.40	0.61	3922.18
MW - 9	Chance	10/22/14	3975.06	-	-	-	-	-
MW - 9	Chance	10/24/14	3975.06	-	52.77	53.02	0.25	3922.25
MW - 9	Chance	10/27/14	3975.06	-	52.74	53.00	0.26	3922.28
MW - 9	Manny	10/31/14	3975.06	-	52.76	53.14	0.38	3922.24
MW - 9	Chance	11/03/14	3975.06	-	52.58	53.21	0.63	3922.39
MW - 9	Manny & Chance	11/10/14	3975.06	-	52.75	53.11	0.36	3922.26
MW - 9	Manny	11/14/14	3975.06	-	52.77	53.04	0.27	3922.25
MW - 9	Manny	11/17/14	3975.06	-	52.90	53.03	0.13	3922.14
MW - 9	Manny	11/18/14	3975.06	-	52.90	53.03	0.13	3922.14
MW - 9	Chance	11/21/14	3975.06	-	52.82	53.03	0.21	3922.21
MW - 9	Manny	12/03/14	3975.06	-	52.78	53.17	0.39	3922.22
MW - 9	Manny	12/05/14	3975.06	-	52.81	53.03	0.22	3922.22
MW - 9	Chance	12/12/14	3975.06	-	52.83	53.05	0.22	3922.20
MW - 9	Chance	12/15/14	3975.06	-	52.83	53.05	0.22	3922.20
MW - 9	Chance	12/19/14	3975.06	-	52.80	53.03	0.23	3922.23
MW - 9	Chance	12/22/14	3975.06	-	52.78	53.01	0.23	3922.25
MW - 9	Chance	01/05/15	3975.06	-	52.74	52.97	0.23	3922.29
MW - 9	manny	01/09/15	3975.06	-	52.73	53.23	0.50	3922.26
MW - 9	Carlos	01/14/15	3975.06	-	52.72	53.28	0.56	3922.26
MW - 9	Chance/Carlos	01/21/15	3975.06	-	52.71	52.96	0.25	3922.31
MW - 9	Carlos/Matt	02/18/15	3975.06	-	52.72	53.00	0.28	3922.30
MW - 9	Manny/Art	02/19/15	3975.06	-	52.73	53.06	0.33	3922.28
MW - 9	Carlos/Art	03/09/15	3975.06	-	52.73	52.98	0.25	3922.29
MW - 9	Carlos/Matt	03/11/15	3975.06	-	52.70	53.26	0.56	3922.28

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9	Carlos	03/18/15	3975.06	-	52.76	53.08	0.32	3922.25
MW - 9	Chance/Art	03/31/15	3975.06	-	52.74	52.97	0.23	3922.29
MW - 9	Carlos/Matt	04/09/15	3975.06	-	52.63	53.28	0.65	3922.33
MW - 9	Carlos	04/15/15	3975.06	-	52.66	53.31	0.65	3922.30
MW - 9	Carlos	04/22/15	3975.06	-	52.66	53.34	0.68	3922.30
MW - 9	Manny/ Arthur	05/12/15	3975.06	-	52.70	53.23	0.53	3922.28
MW - 9	Chance/ Carlos	05/26/15	3975.06	-	52.74	52.94	0.20	3922.29
MW - 9	Carlos	06/01/15	3975.06	-	52.69	53.24	0.55	3922.29
MW - 9	Arthur/ Chance	06/04/15	3975.06	-	52.71	53.26	0.55	3922.27
MW - 9	Carlos	06/22/15	3975.06	-	52.64	53.26	0.62	3922.33
MW - 9	Carlos	06/26/15	3975.06	-	52.73	53.36	0.63	3922.24
MW - 9	Fernando	07/22/15	3975.06	-	52.57	53.09	0.52	3922.41
MW - 9	Matt/Carlos	07/27/15	3975.06	-	52.71	53.08	0.37	3922.29
MW - 9	Manny/Matt	08/18/15	3975.06	-	52.01	53.05	1.04	3922.89
MW - 9		09/09/15	3975.06	-	52.73	53.29	0.56	3922.25
MW - 9	Carlos	10/08/15	3975.06	-	52.73	53.08	0.35	3922.28
MW - 9		09/30/15	3975.06	-	52.81	53.35	0.54	3922.17
MW - 9	Manny	10/16/15	3975.06	-	52.85	53.29	0.44	3922.14
MW - 9	Fernando	10/21/15	3975.06	-	52.75	53.40	0.65	3922.21
MW - 9	Fernando	11/18/15	3975.06	-	52.75	53.15	0.40	3922.25
MW - 9	Carlos	11/23/15	3975.06	-	52.78	52.99	0.21	3922.25
MW - 9	Mark	12/04/15	3975.06	-	52.75	53.18	0.43	3922.25
MW - 9	Fernando	12/09/15	3975.06	-	52.85	53.26	0.41	3922.15
MW - 9	Carlos	01/12/16	3975.06	-	52.81	53.35	0.54	3922.17
MW - 9	Fernando	01/22/16	3975.06	-	52.74	53.25	0.51	3922.24
MW - 9	Fernando	01/25/16	3975.06	-	52.84	53.07	0.23	3922.19
MW - 9	Carlos	02/12/16	3975.06	-	52.85	53.08	0.23	3922.18
MW - 9	Fernando	02/17/16	3975.06	-	52.78	53.19	0.41	3922.22
MW - 9	Fernando/ Carlos	02/24/16	3975.06	-	52.78	53.00	0.22	3922.25
MW - 9	Manny	03/09/16	3975.06	-	52.70	53.01	0.31	3922.31
MW - 9	Carlos	03/30/16	3975.06	-	52.24	53.08	0.84	3922.69
MW - 9	Fernando	04/13/16	3975.06	-	52.70	52.81	0.11	3922.34
MW - 9	Carlos	04/27/16	3975.06	-	52.82	53.02	0.20	3922.21
MW - 9	Mark	05/11/16	3975.06	-	52.92	53.00	0.08	3922.13
MW - 9	Manny	06/03/16	3975.06	-	52.90	53.13	0.23	3922.13
MW - 9	Carlos	07/01/16	3975.06	-	52.82	53.08	0.26	3922.20
MW - 9	Manny	07/08/16	3975.06	-	52.84	53.15	0.31	3922.17
MW - 9	Fernando	07/12/16	3975.06	-	52.19	52.57	0.38	3922.81
MW - 9	Carlos	07/18/16	3975.06	-	52.83	53.10	0.27	3922.19
MW - 9	Fernando	08/02/16	3975.06	-	52.85	53.05	0.20	3922.18
MW - 9	Carlos	08/12/16	3975.06	-	52.85	53.28	0.43	3922.15
MW - 9	Carlos	08/17/16	3975.06	-	52.81	53.26	0.45	3922.18
MW - 9	Manny	09/21/16	3975.06	-	52.82	53.39	0.57	3922.15
MW - 9	Wesley/ David	10/21/16	3975.06	-	52.73	52.74	0.01	3922.33
MW - 9	Carlos	10/24/16	3975.06	-	52.88	52.89	0.01	3922.18
MW - 9	Wesley	10/26/16	3975.06	-	52.85	53.13	0.28	3922.17
MW - 9	Carlos	10/31/16	3975.06	-	52.85	52.86	0.01	3922.21
MW - 9	Wesley	11/21/16	3975.06	-	52.92	53.28	0.36	3922.09
MW - 9	Carlos	11/28/16	3975.06	-	52.80	53.35	0.55	3922.18
MW - 9	Wesley	12/07/16	3975.06	-	52.83	53.46	0.63	3922.14
MW - 9	Fernando	12/14/16	3975.06	-	52.90	53.40	0.50	3922.09
MW - 9	Wesley	12/21/16	3975.06	-	52.82	53.20	0.38	3922.18
MW - 9	Wesley	01/04/17	3975.06	-	52.80	53.32	0.52	3922.18
MW - 9	Wesley	01/12/17	3975.06	-	52.81	53.34	0.53	3922.17
MW - 9	Wesley	01/26/17	3975.06	-	52.83	53.45	0.62	3922.14
MW - 9	Wesley	02/07/17	3975.06	-	52.77	53.46	0.69	3922.19
MW - 9	Carlos	02/21/17	3975.06	-	52.76	53.48	0.72	3922.19
MW - 9	Wesley	02/23/17	3975.06	-	52.75	53.46	0.71	3922.20
MW - 9	Carlos	03/08/17	3975.06	-	52.76	53.38	0.62	3922.21
MW - 9	Wesley	04/07/17	3975.06	-	52.72	53.51	0.79	3922.22
MW - 9	Wesley	04/18/17	3975.06	-	52.73	53.55	0.82	3922.21
MW - 9	Jeremy	05/10/17	3975.06	-	52.76	53.63	0.87	3922.17
MW - 9	Jeremy	05/24/17	3975.06	-	52.73	53.58	0.85	3922.20
MW - 9	Wesley	06/02/17	3975.06	-	52.71	53.58	0.87	3922.22
MW - 9	Jeremy/ Wesley	07/12/17	3975.06	-	52.72	53.59	0.87	3922.21
MW - 9	Wesley	07/19/17	3975.06	-	52.73	53.59	0.86	3922.20
MW - 9	Wesley	07/27/17	3975.06	-	52.73	53.61	0.88	3922.20
MW - 9	Jeremy	08/11/17	3975.06	-	52.72	53.57	0.85	3922.21
MW - 9	Wesley	08/24/17	3975.06	-	52.79	53.73	0.94	3922.13
MW - 9	Wesley	09/05/17	3975.06	-	52.82	53.78	0.96	3922.10
MW - 9	Jeremy	10/18/17	3975.06	-	52.82	53.71	0.89	3922.11
MW - 9	Jeremy	10/25/17	3975.06	-	52.86	53.49	0.63	3922.11

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SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9	Jeremy	11/01/17	3975.06	-	52.85	53.31	0.46	3922.14
MW - 9	Wesley	11/08/17	3975.06	-	52.88	53.44	0.56	3922.10
MW - 9	Jeremy/ Wesley	11/28/17	3975.06	-	52.88	53.54	0.66	3922.08
MW - 9	Jeremy	12/19/17	3975.06	67.55	52.85	53.63	0.78	3922.09
MW - 9	Jeremy	01/16/18	3975.06	-	52.87	53.62	0.75	3922.08
MW - 9	Jeremy	01/30/18	3975.06	-	52.86	53.52	0.66	3922.10
MW - 9	Jeremy	02/06/18	3975.06	-	52.90	53.49	0.59	3922.07
MW - 9	Jeremy	02/13/18	3975.06	-	52.92	53.49	0.57	3922.05
MW - 9	Jeremy	02/26/18	3975.06	-	52.88	53.32	0.44	3922.11
MW - 9	Jeremy	04/03/18	3975.06	-	52.83	53.51	0.68	3922.13
MW - 9	Jeremy	04/17/18	3975.06	-	52.83	53.69	0.86	3922.10
MW - 9	Jeremy	05/07/18	3975.06	-	52.77	53.58	0.81	3922.17
MW - 9	Jeremy	06/21/18	3975.06	-	51.83	53.85	2.02	3922.93
MW - 9	Jeremy	06/26/18	3975.06	-	52.85	53.82	0.97	3922.06
MW - 9	Jeremy	07/12/18	3975.06	-	52.98	53.41	0.43	3922.02
MW - 9	Jeremy	07/17/18	3975.06	-	52.94	53.44	0.50	3922.05
MW - 9	Jeremy/ Fernando	08/01/18	3975.06	-	53.96	54.47	0.51	3921.02
MW - 9	Jeremy	08/09/18	3975.06	-	52.97	53.45	0.48	3922.02
MW - 9	Wesley	08/23/18	3975.06	-	52.99	53.29	0.30	3922.03
MW - 9	Jeremy	08/30/18	3975.06	-	52.99	53.50	0.51	3921.99
MW - 9	Jeremy	08/31/18	3975.06	-	52.97	53.57	0.60	3922.00
MW - 9	Jeremy	09/11/18	3975.06	-	53.02	53.31	0.29	3922.00
MW - 9	Jeremy	09/19/18	3975.06	-	53.02	53.41	0.39	3921.98
MW - 9	Jeremy	10/16/18	3975.06	-	53.01	53.54	0.53	3921.97
MW - 9	Jeremy	11/01/18	3975.06	-	53.03	53.50	0.47	3921.96
MW - 9	Jeremy	11/05/18	3975.06	-	53.01	53.49	0.48	3921.98
MW - 9	Jeremy/Derek	11/14/18	3975.06	-	52.98	53.41	0.43	3922.02
MW - 9	Jeremy	12/04/18	3975.06	-	52.98	53.75	0.77	3921.96
MW - 9	Jeremy	12/06/18	3975.06	-	53.02	53.71	0.69	3921.94
MW - 9	Jeremy	12/18/18	3975.06	-	-	53.14	0.00	3921.92
MW - 9	Jeremy	12/20/18	3975.06	-	53.13	53.25	0.12	3921.91
MW - 9	Jeremy	12/26/18	3975.06	-	-	53.17	0.00	3921.89
MW - 9	Jeremy	01/08/19	3975.06	-	-	53.09	0.00	3921.97
MW - 9	Jeremy	01/10/19	3975.06	-	-	53.11	0.00	3921.95
MW - 9	Jeremy	01/15/19	3975.06	-	-	53.13	0.00	3921.93
MW - 9	Jeremy	01/24/19	3975.06	-	-	53.32	0.00	3921.74
MW - 9	Jeremy	02/11/19	3975.06	-	-	53.16	0.00	3921.90
MW - 9	Jeremy	02/18/19	3975.06	67.16	-	53.21	0.00	3921.85
MW - 9	Jeremy	04/16/19	3975.06	-	-	53.09	0.00	3921.97
MW - 9	Manny/Elias	04/23/19	3975.06	-	-	53.22	0.00	3921.84
MW - 9	Manny/Elias	04/30/19	3975.06	-	-	53.09	0.00	3921.97
MW - 9	Jeremy	05/07/19	3975.06	-	-	53.08	0.00	3921.98
MW - 9	Jeremy	05/09/19	3975.06	-	-	53.14	0.00	3921.92
MW - 9	Jeremy	05/14/19	3975.06	67.14	-	53.10	0.00	3921.96
MW - 9	Jeremy	06/04/19	3975.06	-	-	53.04	0.00	3922.02
MW - 9	Jeremy	06/11/19	3975.06	-	-	53.40	0.00	3921.66
MW - 9	Jeremy	06/13/19	3975.06	-	-	53.01	0.00	3922.05
MW - 9	Jeremy	06/17/19	3975.06	-	-	53.07	0.00	3921.99
MW - 9	Jeremy	07/01/19	3975.06	-	-	53.41	0.00	3921.65
MW - 9	Jeremy	07/02/19	3975.06	-	-	53.09	0.00	3921.97
MW - 9	Jeremy	08/19/19	3975.06	67.12	-	53.32	0.00	3921.74
MW - 9	Jeremy	08/29/19	3975.06	-	-	53.04	0.00	3922.02
MW - 9	Jeremy	09/03/19	3975.06	-	-	53.07	0.00	3921.99
MW - 9	Jeremy	09/10/19	3975.06	-	-	52.84	0.00	3922.22
MW - 9	Jeremy	11/11/19	3975.06	67.15	-	53.69	0.00	3921.37
MW - 9	Jeremy	11/15/19	3975.06	-	53.28	53.43	0.15	3921.76
MW - 9	Fernando	01/08/20	3975.06	-	53.15	53.66	0.51	3921.83
MW - 9	Elias	02/18/20	3975.06	-	53.18	53.30	0.12	3921.86
MW - 9	Scott	05/05/20	3975.06	-	53.12	53.86	0.74	3921.83
MW - 9	Manny	06/11/20	3975.06	-	53.10	54.07	0.97	3921.81
MW - 9	Manny	09/23/20	3975.06	-	53.13	54.53	1.40	3921.72
MW - 9	Manny	12/04/20	3975.06	-	53.12	54.75	1.63	3921.70
MW - 9	Manny	03/23/21	3975.06	67.24	53.10	54.98	1.88	3921.68
MW - 9	Manny	06/04/21	3975.06	-	53.07	55.12	2.05	3921.68
MW - 9	Manny	08/12/21	3975.06	-	53.15	55.31	2.16	3921.59
MW - 9	Manny	09/30/21	3975.06	-	53.36	54.54	1.18	3921.52
MW - 9	Manny	12/09/21	3975.06	67.17	53.45	53.98	0.53	3921.53
MW - 9	Manny	02/17/22	3975.06	-	53.42	54.18	0.76	3921.53
MW - 9	Manny	03/08/22	3975.06	67.25	53.46	54.32	0.86	3921.47
MW - 9	Manny	05/18/22	3975.06	67.28	53.56	54.24	0.68	3921.40
MW - 9	Manny	08/09/22	3975.06	67.25	53.69	54.15	0.46	3921.30
MW - 9	Manny	11/15/22	3975.06	67.10	53.70	54.32	0.62	3921.27

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Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 9	Manny	02/14/23	3975.06	67.09	53.74	54.50	0.76	3921.21
MW - 9	Manny	05/16/23	3975.06	67.07	53.67	54.59	0.92	3921.25
MW - 9	Manny	08/08/23	3975.06	67.70	53.70	54.78	1.08	3921.20
MW - 9	Manny	12/07/23	3975.06	67.08	53.84	54.55	0.71	3921.11
MW - 9	Manny	03/06/24	3975.06	67.20	53.76	54.57	0.81	3921.18
MW - 9	Manny	05/23/24	3975.06	67.19	53.83	54.39	0.56	3921.15
MW - 9	Manny	08/06/24	3975.06	67.19	53.97	54.59	0.62	3921.00
MW - 9	Manny	09/18/24	3975.06	67.22	54.05	54.16	0.11	3920.99
MW - 9	Manny	10/24/24	3975.06	67.22	54.01	54.31	0.30	3921.01
MW - 9	Manny	12/11/24	3975.06	67.40	54.02	54.21	0.19	3921.01
MW - 10		03/02/00	3975.02	-	53.44	53.99	0.55	3921.50
MW - 10		04/25/00	3975.02	-	-	53.18	0.00	3921.84
MW - 10		09/06/00	3975.02	-	-	53.22	0.00	3921.80
MW - 10		11/28/00	3975.02	-	-	53.23	0.00	3921.79
MW - 10		02/21/01	3975.02	-	-	53.15	0.00	3921.87
MW - 10		05/31/01	3975.02	-	-	53.08	0.00	3921.94
MW - 10		08/23/01	3975.02	-	-	53.10	0.00	3921.92
MW - 10		11/21/01	3975.02	-	-	53.13	0.00	3921.89
MW - 10		02/13/02	3975.02	-	-	53.16	0.00	3921.86
MW - 10		06/12/02	3975.02	-	-	53.14	0.00	3921.88
MW - 10		08/26/02	3975.02	-	-	53.14	0.00	3921.88
MW - 10		11/21/02	3975.02	-	-	53.20	0.00	3921.82
MW - 10		02/05/03	3975.02	-	-	53.90	0.00	3921.12
MW - 10		05/07/03	3975.02	-	-	53.14	0.00	3921.88
MW - 10		08/18/03	3975.02	-	-	53.19	0.00	3921.83
MW - 10		12/01/03	3975.02	-	-	53.23	0.00	3921.79
MW - 10		02/05/04	3975.02	-	-	53.23	0.00	3921.79
MW - 10		05/05/04	3975.02	-	-	53.20	0.00	3921.82
MW - 10		09/01/04	3975.02	-	-	53.25	0.00	3921.77
MW - 10		12/15/04	3975.02	-	-	53.20	0.00	3921.82
MW - 10		03/22/05	3975.02	-	-	53.00	0.00	3922.02
MW - 10		06/22/05	3975.02	-	-	52.91	0.00	3922.11
MW - 10		09/21/05	3975.02	-	-	52.84	0.00	3922.18
MW - 10		12/16/05	3975.02	-	-	52.76	0.00	3922.26
MW - 10		03/20/06	3975.02	-	-	52.71	0.00	3922.31
MW - 10		06/21/06	3975.02	-	-	52.71	0.00	3922.31
MW - 10		09/27/06	3975.02	-	-	52.64	0.00	3922.38
MW - 10		12/04/06	3975.02	-	-	52.64	0.00	3922.38
MW - 10		03/14/07	3975.02	-	-	52.57	0.00	3922.45
MW - 10		05/29/07	3975.02	-	-	52.54	0.00	3922.48
MW - 10		08/30/07	3975.02	-	-	52.53	0.00	3922.49
MW - 10		11/12/07	3975.02	-	-	52.43	0.00	3922.59
MW - 10		03/07/08	3975.02	-	-	52.41	0.00	3922.61
MW - 10		06/02/08	3975.02	-	-	52.34	0.00	3922.68
MW - 10		09/03/08	3975.02	-	-	52.38	0.00	3922.64
MW - 10		12/08/08	3975.02	-	-	52.33	0.00	3922.69
MW - 10		02/19/09	3975.02	-	-	52.31	0.00	3922.71
MW - 10		05/20/09	3975.02	-	-	52.28	0.00	3922.74
MW - 10		08/12/09	3975.02	-	-	52.27	0.00	3922.75
MW - 10		11/25/09	3975.02	-	-	52.29	0.00	3922.73
MW - 10		01/07/10	3975.02	-	-	52.25	0.00	3922.77
MW - 10		02/11/10	3975.02	-	-	52.24	0.00	3922.78
MW - 10		05/17/10	3975.02	-	-	52.41	0.00	3922.61
MW - 10		08/16/10	3975.02	-	-	52.41	0.00	3922.61
MW - 10		11/10/10	3975.02	-	-	52.42	0.00	3922.60
MW - 10		02/28/11	3975.02	-	-	52.42	0.00	3922.60
MW - 10		05/12/11	3975.02	-	-	52.11	0.00	3922.91
MW - 10		08/15/11	3975.02	-	-	52.13	0.00	3922.89
MW - 10		11/22/11	3975.02	-	-	52.20	0.00	3922.82
MW - 10		02/28/12	3975.02	-	-	52.22	0.00	3922.80
MW - 10		05/17/12	3975.02	-	-	52.25	0.00	3922.77
MW - 10		08/01/12	3975.02	-	-	52.36	0.00	3922.66
MW - 10		10/25/12	3975.02	-	-	52.41	0.00	3922.61
MW - 10		11/29/12	3975.02	-	-	52.33	0.00	3922.69
MW - 10		02/11/13	3975.02	-	-	52.36	0.00	3922.66
MW - 10		04/11/13	3975.02	-	-	52.34	0.00	3922.68
MW - 10		05/06/13	3975.02	-	-	52.44	0.00	3922.58
MW - 10		05/29/13	3975.02	-	-	52.41	0.00	3922.61
MW - 10		06/26/13	3975.02	-	-	52.36	0.00	3922.66
MW - 10		07/31/13	3975.02	-	-	52.29	0.00	3922.73
MW - 10		08/06/13	3975.02	-	-	52.33	0.00	3922.69

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 10		09/30/13	3975.02	-	-	52.40	0.00	3922.62
MW - 10		11/18/13	3975.02	63.05	-	52.56	0.00	3922.46
MW - 10	David/Jose	02/04/14	3975.02	-	-	52.58	0.00	3922.44
MW - 10	Manny & Chance	04/28/14	3975.02	-	-	52.55	0.00	3922.47
MW - 10		05/28/14	3975.02	-	-	52.50	0.00	3922.52
MW - 10	Manny & Chance	07/30/14	3975.02	-	-	52.59	0.00	3922.43
MW - 10	Manny & Chance	08/23/14	3975.02	-	-	52.67	0.00	3922.35
MW - 10	Manny	10/31/14	3975.02	-	-	52.64	0.00	3922.38
MW - 10	Manny	11/18/14	3975.02	63.03	-	52.66	0.00	3922.36
MW - 10	Manny	01/09/15	3975.02	-	-	52.64	0.00	3922.38
MW - 10	Manny/Art	02/19/15	3975.02	-	-	52.61	0.00	3922.41
MW - 10	Chance/Art	03/31/15	3975.02	-	-	52.55	0.00	3922.47
MW - 10	Arthur/ Carlos	04/09/15	3975.02	-	-	52.58	0.00	3922.44
MW - 10	Manny/Art	05/12/15	3975.02	-	-	52.59	0.00	3922.43
MW - 10	Matt/Carlos	07/27/15	3975.02	-	-	52.58	0.00	3922.44
MW - 10	Manny/Matt	08/18/15	3975.02	-	-	52.51	0.00	3922.51
MW - 10	Carlos	10/08/15	3975.02	-	-	52.57	0.00	3922.45
MW - 10	Carlos	11/23/15	3975.02	63.06	-	52.62	0.00	3922.40
MW - 10	Carlos	01/12/16	3975.02	-	-	52.68	0.00	3922.34
MW - 10	Fernando/ Carlos	02/24/16	3975.02	-	-	52.66	0.00	3922.36
MW - 10	Carlos	06/13/16	3975.02	-	-	52.66	0.00	3922.36
MW - 10	Fernando	08/02/16	3975.02	-	-	52.77	0.00	3922.25
MW - 10	Carlos	11/28/16	3975.02	63.15	-	52.75	0.00	3922.27
MW - 10	Carlos	02/21/17	3975.02	63.14	-	52.72	0.00	3922.30
MW - 10	Jeremy	05/24/17	3975.02	-	-	52.70	0.00	3922.32
MW - 10	Jeremy/ Wesley	07/12/17	3975.02	-	-	52.67	0.00	3922.35
MW - 10	Jeremy	08/11/17	3975.02	-	-	52.65	0.00	3922.37
MW - 10	Jeremy	10/18/17	3975.02	-	-	52.79	0.00	3922.23
MW - 10	Jeremy/ Wesley	11/28/17	3975.02	63.07	-	52.83	0.00	3922.19
MW - 10	Jeremy	01/16/18	3975.02	-	-	52.82	0.00	3922.20
MW - 10	Jeremy	02/26/18	3975.02	-	-	52.79	0.00	3922.23
MW - 10	Jeremy	04/03/18	3975.02	-	-	52.77	0.00	3922.25
MW - 10	Jeremy	04/17/18	3975.02	-	-	52.78	0.00	3922.24
MW - 10	Jeremy	05/07/18	3975.02	-	-	52.71	0.00	3922.31
MW - 10	Jeremy	06/26/18	3975.02	-	-	52.84	0.00	3922.18
MW - 10	Jeremy	08/09/18	3975.02	-	-	52.91	0.00	3922.11
MW - 10	Jeremy	09/11/18	3975.02	-	-	52.92	0.00	3922.10
MW - 10	Jeremy/Derek	11/14/18	3975.02	63.18	-	52.92	0.00	3922.10
MW - 10	Jeremy/Derek	11/27/18	3975.02	63.83	-	52.92	0.00	3922.10
MW - 10	Jeremy	12/18/18	3975.02	-	-	52.92	0.00	3922.10
MW - 10	Jeremy	02/18/19	3975.02	-	-	52.94	0.00	3922.08
MW - 10	Jeremy	05/14/19	3975.02	-	-	52.92	0.00	3922.10
MW - 10	Jeremy	08/19/19	3975.02	-	-	53.10	0.00	3921.92
MW - 10	Jeremy	11/11/19	3975.02	83.15	-	53.11	0.00	3921.91
MW - 10	Elias	02/18/20	3975.02	-	-	53.05	0.00	3921.97
MW - 10	Scott	05/05/20	3975.02	-	-	53.09	0.00	3921.93
MW - 10	Manny	06/11/20	3975.02	-	-	53.10	0.00	3921.92
MW - 10	Manny	09/23/20	3975.02	-	-	53.21	0.00	3921.81
MW - 10	Manny	12/04/20	3975.02	-	-	53.24	0.00	3921.78
MW - 10	Manny	12/24/20	3975.02	-	-	53.25	0.00	3921.77
MW - 10	Manny	03/23/21	3975.02	62.82	-	53.22	0.00	3921.80
MW - 10	Manny	06/04/21	3975.02	-	-	53.26	0.00	3921.76
MW - 10	Manny	09/30/21	3975.02	-	-	53.36	0.00	3921.66
MW - 10	Manny	12/09/21	3975.02	62.84	-	53.40	0.00	3921.62
MW - 10	Manny	02/17/22	3975.02	-	-	53.41	0.00	3921.61
MW - 10	Manny	03/08/22	3975.02	62.81	-	53.41	0.00	3921.61
MW - 10	Manny	05/18/22	3975.02	62.85	-	53.47	0.00	3921.55
MW - 10	Manny	08/09/22	3975.02	62.70	-	53.54	0.00	3921.48
MW - 10	Manny	11/15/22	3975.02	62.69	-	53.56	0.00	3921.46
MW - 10	Manny	02/14/23	3975.02	62.66	-	53.58	0.00	3921.44
MW - 10	Manny	05/16/23	3975.02	62.99	-	53.65	0.00	3921.37
MW - 10	Manny	08/08/23	3975.02	62.98	-	53.78	0.00	3921.24
MW - 10	Manny	12/07/23	3975.02	62.90	-	53.79	0.00	3921.23
MW - 10	Manny	03/05/24	3975.02	62.88	-	53.73	0.00	3921.29
MW - 10	Manny	05/23/24	3975.02	62.86	-	53.75	0.00	3921.27
MW - 10	Manny	09/18/24	3975.02	62.92	-	53.86	0.00	3921.16
MW - 10	Manny	12/11/24	3975.02	63.79	-	53.88	0.00	3921.14
MW - 11		03/02/00	3975.30	-	-	53.84	0.00	3921.46
MW - 11		04/25/00	3975.30	-	-	53.91	0.00	3921.39
MW - 11		09/06/00	3975.30	-	-	53.95	0.00	3921.35
MW - 11		11/28/00	3975.30	-	-	53.96	0.00	3921.34

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 11		02/21/01	3975.30	-	-	53.79	0.00	3921.51
MW - 11		05/31/01	3975.30	-	-	53.77	0.00	3921.53
MW - 11		08/23/01	3975.30	-	-	53.83	0.00	3921.47
MW - 11		11/21/01	3975.30	-	-	53.87	0.00	3921.43
MW - 11		02/13/02	3975.30	-	-	52.85	0.00	3922.45
MW - 11		06/12/02	3975.30	-	-	53.87	0.00	3921.43
MW - 11		08/26/02	3975.30	-	-	53.89	0.00	3921.41
MW - 11		11/21/02	3975.30	-	-	53.93	0.00	3921.37
MW - 11		02/05/03	3975.30	-	-	53.90	0.00	3921.40
MW - 11		05/07/03	3975.30	-	-	53.86	0.00	3921.44
MW - 11		08/18/03	3975.30	-	-	53.93	0.00	3921.37
MW - 11		12/01/03	3975.30	-	-	53.96	0.00	3921.34
MW - 11		02/05/04	3975.30	-	-	53.97	0.00	3921.33
MW - 11		05/05/04	3975.30	-	-	53.93	0.00	3921.37
MW - 11		09/01/04	3975.30	-	-	54.00	0.00	3921.30
MW - 11		12/15/04	3975.30	-	-	53.95	0.00	3921.35
MW - 11		03/22/05	3975.30	-	-	53.75	0.00	3921.55
MW - 11		06/22/05	3975.30	-	-	53.64	0.00	3921.66
MW - 11		09/21/05	3975.30	-	-	53.56	0.00	3921.74
MW - 11		12/16/05	3975.30	-	-	53.60	0.00	3921.70
MW - 11		03/20/06	3975.30	-	-	53.45	0.00	3921.85
MW - 11		06/21/06	3975.30	-	-	53.43	0.00	3921.87
MW - 11		09/27/06	3975.30	-	-	53.42	0.00	3921.88
MW - 11		12/04/06	3975.30	-	-	53.37	0.00	3921.93
MW - 11		03/14/07	3975.30	-	-	53.33	0.00	3921.97
MW - 11		05/29/07	3975.30	-	-	53.29	0.00	3922.01
MW - 11		08/30/07	3975.30	-	-	53.27	0.00	3922.03
MW - 11		11/12/07	3975.30	-	-	53.23	0.00	3922.07
MW - 11		03/07/08	3975.30	-	-	53.17	0.00	3922.13
MW - 11		06/02/08	3975.30	-	-	53.12	0.00	3922.18
MW - 11		09/03/08	3975.30	-	-	53.12	0.00	3922.18
MW - 11		12/08/08	3975.30	-	-	53.10	0.00	3922.20
MW - 11		02/19/09	3975.30	-	-	53.08	0.00	3922.22
MW - 11		05/20/09	3975.30	-	-	53.04	0.00	3922.26
MW - 11		08/12/09	3975.30	-	-	53.03	0.00	3922.27
MW - 11		11/25/09	3975.30	-	-	53.03	0.00	3922.27
MW - 11		01/07/10	3975.30	-	-	53.02	0.00	3922.28
MW - 11		02/11/10	3975.30	-	-	52.99	0.00	3922.31
MW - 11		05/17/10	3975.30	-	-	53.16	0.00	3922.14
MW - 11		08/16/10	3975.30	-	-	53.15	0.00	3922.15
MW - 11		11/10/10	3975.30	-	-	53.17	0.00	3922.13
MW - 11		02/28/11	3975.30	-	-	53.15	0.00	3922.15
MW - 11		05/12/11	3975.30	-	-	52.96	0.00	3922.34
MW - 11		08/15/11	3975.30	-	-	53.10	0.00	3922.20
MW - 11		11/22/11	3975.30	-	-	53.05	0.00	3922.25
MW - 11		02/28/12	3975.30	-	-	53.01	0.00	3922.29
MW - 11		05/17/12	3975.30	-	-	53.00	0.00	3922.30
MW - 11		08/01/12	3975.30	-	-	53.12	0.00	3922.18
MW - 11		10/25/12	3975.30	-	-	53.15	0.00	3922.15
MW - 11		11/29/12	3975.30	-	-	53.23	0.00	3922.07
MW - 11		02/11/13	3975.30	-	-	53.16	0.00	3922.14
MW - 11		04/11/13	3975.30	-	-	53.39	0.00	3921.91
MW - 11		05/06/13	3975.30	-	-	53.19	0.00	3922.11
MW - 11		05/29/13	3975.30	-	-	53.34	0.00	3921.96
MW - 11		06/26/13	3975.30	-	-	53.36	0.00	3921.94
MW - 11		07/31/13	3975.30	-	-	53.29	0.00	3922.01
MW - 11		08/06/13	3975.30	-	-	53.26	0.00	3922.04
MW - 11		09/30/13	3975.30	-	-	53.35	0.00	3921.95
MW - 11		11/18/13	3975.30	63.98	-	53.32	0.00	3921.98
MW - 11	David/Jose	02/04/14	3975.30	-	-	53.30	0.00	3922.00
MW - 11	Manny & Chance	04/28/14	3975.30	-	-	53.31	0.00	3921.99
MW - 11		05/28/14	3975.30	-	-	53.40	0.00	3921.90
MW - 11	Manny & Chance	07/30/14	3975.30	-	-	53.40	0.00	3921.90
MW - 11	Manny & Chance	08/23/14	3975.30	-	-	53.43	0.00	3921.87
MW - 11	Manny	10/31/14	3975.30	-	-	53.45	0.00	3921.85
MW - 11	Manny	11/18/14	3975.30	63.98	-	53.43	0.00	3921.87
MW - 11	Manny	01/09/15	3975.30	-	-	53.39	0.00	3921.91
MW - 11	Manny	02/19/15	3975.30	-	-	53.40	0.00	3921.90
MW - 11	Chance/Art	03/31/15	3975.30	-	-	53.40	0.00	3921.90
MW - 11	Arthur/Carlos	04/09/15	3975.30	-	-	53.33	0.00	3921.97
MW - 11	Manny/ Arthur	05/12/15	3975.30	-	-	53.55	0.00	3921.75
MW - 11	Matt/Carlos	07/27/15	3975.30	-	-	53.42	0.00	3921.88

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 11	Manny/Matt	08/18/15	3975.30	-	-	53.36	0.00	3921.94
MW - 11	Carlos	10/08/15	3975.30	-	-	53.48	0.00	3921.82
MW - 11	Carlos	11/23/15	3975.30	64.00	-	53.42	0.00	3921.88
MW - 11	Carlos	01/12/16	3975.30	-	-	53.43	0.00	3921.87
MW - 11	Fernando/ Carlos	02/24/16	3975.30	-	-	53.45	0.00	3921.85
MW - 11	Carlos	06/13/16	3975.30	-	-	53.43	0.00	3921.87
MW - 11	Fernando	08/02/16	3975.30	-	-	53.56	0.00	3921.74
MW - 11	Carlos	11/28/16	3975.30	64.00	-	53.49	0.00	3921.81
MW - 11	Carlos	02/21/17	3975.30	64.03	-	53.48	0.00	3921.82
MW - 11	Jeremy	05/24/17	3975.30	-	-	53.45	0.00	3921.85
MW - 11	Jeremy/ Wesley	07/12/17	3975.30	-	-	53.47	0.00	3921.83
MW - 11	Jeremy	08/11/17	3975.30	-	-	53.47	0.00	3921.83
MW - 11	Jeremy	10/18/17	3975.30	-	-	53.60	0.00	3921.70
MW - 11	Jeremy/ Wesley	11/28/17	3975.30	64.01	-	53.58	0.00	3921.72
MW - 11	Jeremy	01/16/18	3975.30	-	-	53.58	0.00	3921.72
MW - 11	Jeremy	02/26/18	3975.30	-	-	53.54	0.00	3921.76
MW - 11	Jeremy	04/03/18	3975.30	-	-	53.54	0.00	3921.76
MW - 11	Jeremy	04/17/18	3975.30	-	-	53.53	0.00	3921.77
MW - 11	Jeremy	05/07/18	3975.30	-	-	53.61	0.00	3921.69
MW - 11	Jeremy	06/26/18	3975.30	-	-	53.60	0.00	3921.70
MW - 11	Jeremy	08/09/18	3975.30	-	-	53.63	0.00	3921.67
MW - 11	Jeremy	09/11/18	3975.30	-	-	53.66	0.00	3921.64
MW - 11	Jeremy/Derek	11/14/18	3975.30	64.00	-	53.69	0.00	3921.61
MW - 11	Jeremy	12/18/18	3975.30	-	-	53.66	0.00	3921.64
MW - 11	Jeremy	02/18/19	3975.30	-	-	53.69	0.00	3921.61
MW - 11	Jeremy	05/14/19	3975.30	-	-	53.66	0.00	3921.64
MW - 11	Jeremy	08/19/19	3975.30	-	-	53.84	0.00	3921.46
MW - 11	Jeremy	11/11/19	3975.30	64.03	-	53.84	0.00	3921.46
MW - 11	Elias	02/18/20	3975.30	-	-	53.80	0.00	3921.50
MW - 11	Scott	05/05/20	3975.30	-	-	53.83	0.00	3921.47
MW - 11	Manny	06/11/20	3975.30	-	-	53.85	0.00	3921.45
MW - 11	Manny	09/23/20	3975.30	-	-	53.96	0.00	3921.34
MW - 11	Manny	12/04/20	3975.30	-	-	53.99	0.00	3921.31
MW - 11	Manny	12/24/20	3975.30	-	-	54.00	0.00	3921.30
MW - 11	Manny	03/23/21	3975.30	63.99	-	53.96	0.00	3921.34
MW - 11	Manny	06/04/21	3975.30	-	-	54.01	0.00	3921.29
MW - 11	Manny	09/30/21	3975.30	-	-	54.13	0.00	3921.17
MW - 11	Manny	12/09/21	3975.30	63.98	-	54.14	0.00	3921.16
MW - 11	Manny	02/17/22	3975.30	-	-	54.15	0.00	3921.15
MW - 11	Manny	05/18/22	3975.30	-	-	54.18	0.00	3921.12
MW - 11	Manny	08/08/22	3975.30	-	-	54.38	0.00	3920.92
MW - 11	Manny	11/16/22	3975.30	63.98	-	54.22	0.00	3921.08
MW - 11	Manny	02/13/23	3975.30	-	-	54.32	0.00	3920.98
MW - 11	Manny	05/15/23	3975.30	-	-	54.40	0.00	3920.90
MW - 11	Manny	08/08/23	3975.30	-	-	54.48	0.00	3920.82
MW - 11	Manny	12/09/23	3975.30	64.05	-	54.53	0.00	3920.77
MW - 11	Manny	03/05/24	3975.30	-	-	54.47	0.00	3920.83
MW - 11	Manny	05/22/24	3975.30	-	-	54.51	0.00	3920.79
MW - 11	Manny	09/18/24	3975.30	-	-	54.61	0.00	3920.69
MW - 11	Manny	12/11/24	3975.30	63.99	-	54.62	0.00	3920.68
MW - 12		03/02/00	3974.55	-	-	52.80	0.00	3921.75
MW - 12		04/25/00	3974.55	-	-	52.86	0.00	3921.69
MW - 12		09/06/00	3974.55	-	-	52.90	0.00	3921.65
MW - 12		11/28/00	3974.55	-	-	52.92	0.00	3921.63
MW - 12		02/21/01	3974.55	-	-	52.75	0.00	3921.80
MW - 12		05/31/01	3974.55	-	-	52.75	0.00	3921.80
MW - 12		08/31/01	3974.55	-	-	52.78	0.00	3921.77
MW - 12		11/21/01	3974.55	-	-	52.82	0.00	3921.73
MW - 12		02/13/02	3974.55	-	-	52.85	0.00	3921.70
MW - 12		06/12/02	3974.55	-	-	52.83	0.00	3921.72
MW - 12		08/26/02	3974.55	-	-	52.83	0.00	3921.72
MW - 12		11/21/02	3974.55	-	-	52.89	0.00	3921.66
MW - 12		02/05/03	3974.55	-	-	52.88	0.00	3921.67
MW - 12		05/07/03	3974.55	-	-	52.82	0.00	3921.73
MW - 12		08/18/03	3974.55	-	-	52.89	0.00	3921.66
MW - 12		12/01/03	3974.55	-	-	52.93	0.00	3921.62
MW - 12		02/05/04	3974.55	-	-	52.92	0.00	3921.63
MW - 12		05/05/04	3974.55	-	-	52.90	0.00	3921.65
MW - 12		09/01/04	3974.55	-	-	52.94	0.00	3921.61
MW - 12		12/15/04	3974.55	-	-	52.90	0.00	3921.65
MW - 12		03/22/05	3974.55	-	-	52.69	0.00	3921.86

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 12		06/22/05	3974.55	-	-	52.58	0.00	3921.97
MW - 12		09/21/05	3974.55	-	-	52.51	0.00	3922.04
MW - 12		12/16/05	3974.55	-	-	52.46	0.00	3922.09
MW - 12		03/20/06	3974.55	-	-	52.39	0.00	3922.16
MW - 12		06/21/06	3974.55	-	-	52.36	0.00	3922.19
MW - 12		09/27/06	3974.55	-	-	52.44	0.00	3922.11
MW - 12		12/04/06	3974.55	-	-	52.33	0.00	3922.22
MW - 12		03/14/07	3974.55	-	-	52.28	0.00	3922.27
MW - 12		05/29/07	3974.55	-	-	52.26	0.00	3922.29
MW - 12		08/30/07	3974.55	-	-	52.23	0.00	3922.32
MW - 12		11/12/07	3974.55	-	-	52.20	0.00	3922.35
MW - 12		03/07/08	3974.55	-	-	52.12	0.00	3922.43
MW - 12		06/02/08	3974.55	-	-	52.05	0.00	3922.50
MW - 12		09/03/08	3974.55	-	-	52.07	0.00	3922.48
MW - 12		12/08/08	3974.55	-	-	52.05	0.00	3922.50
MW - 12		02/19/09	3974.55	-	-	52.02	0.00	3922.53
MW - 12		05/20/09	3974.55	-	-	51.99	0.00	3922.56
MW - 12		08/12/09	3974.55	-	-	51.97	0.00	3922.58
MW - 12		11/25/09	3974.55	-	-	51.98	0.00	3922.57
MW - 12		01/07/10	3974.55	-	-	51.95	0.00	3922.60
MW - 12		02/11/10	3974.55	-	-	51.95	0.00	3922.60
MW - 12		05/17/10	3974.55	-	-	52.13	0.00	3922.42
MW - 12		08/16/10	3974.55	-	-	52.13	0.00	3922.42
MW - 12		11/10/10	3974.55	-	-	52.13	0.00	3922.42
MW - 12		02/28/11	3974.55	-	-	52.12	0.00	3922.43
MW - 12		05/12/11	3974.55	-	-	51.92	0.00	3922.63
MW - 12		08/15/11	3974.55	-	-	52.08	0.00	3922.47
MW - 12		11/22/11	3974.55	-	-	51.97	0.00	3922.58
MW - 12		02/28/12	3974.55	-	-	51.97	0.00	3922.58
MW - 12		05/17/12	3974.55	-	-	51.95	0.00	3922.60
MW - 12		08/01/12	3974.55	-	-	52.06	0.00	3922.49
MW - 12		10/25/12	3974.55	-	-	52.12	0.00	3922.43
MW - 12		11/29/12	3974.55	-	-	52.19	0.00	3922.36
MW - 12		02/11/13	3974.55	-	-	52.08	0.00	3922.47
MW - 12		04/11/13	3974.55	-	-	52.30	0.00	3922.25
MW - 12		05/06/13	3974.55	-	-	52.13	0.00	3922.42
MW - 12		05/29/13	3974.55	-	-	52.26	0.00	3922.29
MW - 12		06/26/13	3974.55	-	-	52.31	0.00	3922.24
MW - 12		07/31/13	3974.55	-	-	52.21	0.00	3922.34
MW - 12		08/06/13	3974.55	-	-	52.21	0.00	3922.34
MW - 12		09/30/13	3974.55	-	-	52.25	0.00	3922.30
MW - 12		11/18/13	3974.55	63.6	-	52.27	0.00	3922.28
MW - 12		12/08/13	3974.55	63.6	-	52.28	0.00	3922.27
MW - 12	David/Jose	02/04/14	3974.55	-	-	52.26	0.00	3922.29
MW - 12	Manny & Chance	04/28/14	3974.55	-	-	52.26	0.00	3922.29
MW - 12		05/28/14	3974.55	-	-	52.32	0.00	3922.23
MW - 12	Manny & Chance	07/30/14	3974.55	-	-	52.35	0.00	3922.20
MW - 12	Manny & Chance	08/23/14	3974.55	-	-	52.38	0.00	3922.17
MW - 12	Manny	10/31/14	3974.55	-	-	52.39	0.00	3922.16
MW - 12	Manny	11/18/14	3974.55	63.60	-	52.38	0.00	3922.17
MW - 12	Manny	01/09/15	3974.55	-	-	52.34	0.00	3922.21
MW - 12	Manny	02/19/15	3974.55	-	-	52.34	0.00	3922.21
MW - 12	Chance/Art	03/31/15	3974.55	-	-	52.35	0.00	3922.20
MW - 12	Arthur/Carlos	04/09/15	3974.55	-	-	52.28	0.00	3922.27
MW - 12	Manny/ Arthur	05/12/15	3974.55	-	-	52.29	0.00	3922.26
MW - 12	Matt/Carlos	07/27/15	3974.55	-	-	52.36	0.00	3922.19
MW - 12	Manny/Matt	08/18/15	3974.55	-	-	52.33	0.00	3922.22
MW - 12	Carlos	10/08/15	3974.55	-	-	52.42	0.00	3922.13
MW - 12	Carlos	11/23/15	3974.55	63.58	-	52.35	0.00	3922.20
MW - 12	Carlos	01/12/16	3974.55	-	-	52.38	0.00	3922.17
MW - 12	Fernando/ Carlos	02/24/16	3974.55	-	-	52.38	0.00	3922.17
MW - 12	Carlos	06/13/16	3974.55	-	-	52.37	0.00	3922.18
MW - 12	Fernando	08/02/16	3974.55	-	-	52.52	0.00	3922.03
MW - 12	Carlos	11/28/16	3974.55	63.60	-	52.45	0.00	3922.10
MW - 12	Carlos	02/21/17	3974.55	63.53	-	52.42	0.00	3922.13
MW - 12	Jeremy	05/24/17	3974.55	-	-	52.39	0.00	3922.16
MW - 12	Jeremy/ Wesley	07/12/17	3974.55	-	-	52.49	0.00	3922.06
MW - 12	Jeremy	08/11/17	3974.55	-	-	52.51	0.00	3922.04
MW - 12	Jeremy	10/18/17	3974.55	-	-	52.55	0.00	3922.00
MW - 12	Jeremy/ Wesley	11/28/17	3974.55	64.60	-	52.52	0.00	3922.03
MW - 12	Jeremy	01/16/18	3974.55	-	-	52.52	0.00	3922.03
MW - 12	Jeremy	02/26/18	3974.55	-	-	52.49	0.00	3922.06

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 12	Jeremy	04/03/18	3974.55	-	-	52.84	0.00	3921.71
MW - 12	Jeremy	04/17/18	3974.55	-	-	52.49	0.00	3922.06
MW - 12	Jeremy	05/07/18	3974.55	-	-	52.55	0.00	3922.00
MW - 12	Jeremy	06/26/18	3974.55	-	-	52.54	0.00	3922.01
MW - 12	Jeremy	08/09/18	3974.55	-	-	52.59	0.00	3921.96
MW - 12	Jeremy	09/11/18	3974.55	-	-	52.61	0.00	3921.94
MW - 12	Jeremy/Derek	11/14/18	3974.55	63.52	-	52.64	0.00	3921.91
MW - 12	Jeremy	12/18/18	3974.55	-	-	52.62	0.00	3921.93
MW - 12	Jeremy	02/18/19	3974.55	-	-	52.64	0.00	3921.91
MW - 12	Jeremy	05/14/19	3974.55	-	-	52.59	0.00	3921.96
MW - 12	Jeremy	08/19/19	3974.55	-	-	52.79	0.00	3921.76
MW - 12	Jeremy	11/11/19	3974.55	63.51	-	52.79	0.00	3921.76
MW - 12	Elias	02/18/20	3974.55	-	-	52.75	0.00	3921.80
MW - 12	Scott	05/05/20	3974.55	-	-	52.78	0.00	3921.77
MW - 12	Manny	06/11/20	3974.55	-	-	52.80	0.00	3921.75
MW - 12	Manny	09/23/20	3974.55	-	-	52.92	0.00	3921.63
MW - 12	Manny	12/04/20	3974.55	-	-	52.94	0.00	3921.61
MW - 12	Manny	12/24/20	3974.55	-	-	52.92	0.00	3921.63
MW - 12	Manny	03/23/21	3974.55	63.42	-	52.93	0.00	3921.62
MW - 12	Manny	06/04/21	3974.55	-	-	52.96	0.00	3921.59
MW - 12	Manny	09/30/21	3974.55	-	-	53.06	0.00	3921.49
MW - 12	Manny	12/09/21	3974.55	63.52	-	53.08	0.00	3921.47
MW - 12	Manny	02/17/22	3974.55	-	-	53.10	0.00	3921.45
MW - 12	Manny	05/16/22	3974.55	-	-	53.16	0.00	3921.39
MW - 12	Manny	08/08/22	3974.55	-	-	53.22	0.00	3921.33
MW - 12	Manny	11/16/22	3974.55	63.47	-	53.27	0.00	3921.28
MW - 12	Manny	02/13/23	3974.55	-	-	53.25	0.00	3921.30
MW - 12	Manny	05/15/23	3974.55	-	-	53.37	0.00	3921.18
MW - 12	Manny	08/08/23	3974.55	-	-	53.78	0.00	3920.77
MW - 12	Manny	12/08/23	3974.55	63.54	-	53.48	0.00	3921.07
MW - 12	Manny	03/05/24	3974.55	-	-	53.42	0.00	3921.13
MW - 12	Manny	05/22/24	3974.55	-	-	53.47	0.00	3921.08
MW - 12	Manny	09/18/24	3974.55	-	-	53.55	0.00	3921.00
MW - 12	Manny	12/11/24	3974.55	63.76	-	53.54	0.00	3921.01
MW - 13		03/02/00	3975.00	-	-	53.77	0.00	3921.23
MW - 13		04/25/00	3975.00	-	-	53.85	0.00	3921.15
MW - 13		09/06/00	3975.00	-	-	53.90	0.00	3921.10
MW - 13		11/28/00	3975.00	-	-	53.91	0.00	3921.09
MW - 13		02/21/01	3975.00	-	-	53.80	0.00	3921.20
MW - 13		05/31/01	3975.00	-	-	53.72	0.00	3921.28
MW - 13		08/23/01	3975.00	-	-	53.76	0.00	3921.24
MW - 13		11/21/01	3975.00	-	-	53.83	0.00	3921.17
MW - 13		02/13/02	3975.00	-	-	53.86	0.00	3921.14
MW - 13		06/12/02	3975.00	-	-	53.81	0.00	3921.19
MW - 13		08/26/02	3975.00	-	-	53.82	0.00	3921.18
MW - 13		11/21/02	3975.00	-	-	53.89	0.00	3921.11
MW - 13		02/05/03	3975.00	-	-	53.85	0.00	3921.15
MW - 13		05/07/03	3975.00	-	-	53.78	0.00	3921.22
MW - 13		08/18/03	3975.00	-	-	53.88	0.00	3921.12
MW - 13		12/01/03	3975.00	-	-	53.91	0.00	3921.09
MW - 13		02/05/04	3975.00	-	-	53.90	0.00	3921.10
MW - 13		05/05/04	3975.00	-	-	53.90	0.00	3921.10
MW - 13		09/01/04	3975.00	-	-	53.93	0.00	3921.07
MW - 13		12/15/04	3975.00	-	-	53.88	0.00	3921.12
MW - 13		03/22/05	3975.00	-	-	53.64	0.00	3921.36
MW - 13		06/22/05	3975.00	-	-	53.58	0.00	3921.42
MW - 13		09/21/05	3975.00	-	-	53.51	0.00	3921.49
MW - 13		12/16/05	3975.00	-	-	53.44	0.00	3921.56
MW - 13		03/20/06	3975.00	-	-	53.43	0.00	3921.57
MW - 13		06/21/06	3975.00	-	-	53.38	0.00	3921.62
MW - 13		09/27/06	3975.00	-	-	53.33	0.00	3921.67
MW - 13		12/04/06	3975.00	-	-	53.33	0.00	3921.67
MW - 13		02/09/07	3975.00	-	-	52.32	0.00	3922.68
MW - 13		02/23/07	3975.00	-	-	53.27	0.00	3921.73
MW - 13		03/14/07	3975.00	-	-	53.28	0.00	3921.72
MW - 13		05/29/07	3975.00	-	-	53.26	0.00	3921.74
MW - 13		08/30/07	3975.00	-	-	53.22	0.00	3921.78
MW - 13		11/12/07	3975.00	-	-	53.19	0.00	3921.81
MW - 13		03/07/08	3975.00	-	-	53.13	0.00	3921.87
MW - 13		06/02/08	3975.00	-	-	53.07	0.00	3921.93
MW - 13		09/03/08	3975.00	-	-	53.07	0.00	3921.93

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 13		12/08/08	3975.00	-	-	53.05	0.00	3921.95
MW - 13		02/19/09	3975.00	-	-	53.02	0.00	3921.98
MW - 13		05/20/09	3975.00	-	-	52.99	0.00	3922.01
MW - 13		08/12/09	3975.00	-	-	52.99	0.00	3922.01
MW - 13		11/04/09	3975.00	-	-	52.94	0.00	3922.06
MW - 13		11/11/09	3975.00	-	-	52.94	0.00	3922.06
MW - 13		11/18/09	3975.00	-	-	52.95	0.00	3922.05
MW - 13		11/25/09	3975.00	-	-	52.97	0.00	3922.03
MW - 13		12/02/09	3975.00	-	-	52.95	0.00	3922.05
MW - 13		01/07/10	3975.00	-	-	52.94	0.00	3922.06
MW - 13		02/02/10	3975.00	-	-	52.90	0.00	3922.10
MW - 13		02/11/10	3975.00	-	-	52.92	0.00	3922.08
MW - 13		05/17/10	3975.00	-	-	53.06	0.00	3921.94
MW - 13		08/16/10	3975.00	-	-	53.06	0.00	3921.94
MW - 13		11/10/10	3975.00	-	-	53.09	0.00	3921.91
MW - 13		02/28/11	3975.00	-	-	53.07	0.00	3921.93
MW - 13		03/04/11	3975.00	-	-	52.92	0.00	3922.08
MW - 13		04/28/11	3975.00	-	-	52.92	0.00	3922.08
MW - 13		05/04/11	3975.00	-	-	52.91	0.00	3922.09
MW - 13		05/11/11	3975.00	-	-	52.91	0.00	3922.09
MW - 13		05/12/11	3975.00	-	-	52.92	0.00	3922.08
MW - 13		05/18/11	3975.00	-	-	52.92	0.00	3922.08
MW - 13		05/23/11	3975.00	-	-	52.93	0.00	3922.07
MW - 13		06/08/11	3975.00	-	-	52.93	0.00	3922.07
MW - 13		06/16/11	3975.00	-	-	52.93	0.00	3922.07
MW - 13		06/22/11	3975.00	-	-	52.94	0.00	3922.06
MW - 13		06/30/11	3975.00	-	-	52.94	0.00	3922.06
MW - 13		07/06/11	3975.00	-	-	52.94	0.00	3922.06
MW - 13		07/13/11	3975.00	-	-	52.95	0.00	3922.05
MW - 13		07/15/11	3975.00	-	-	52.95	0.00	3922.05
MW - 13		07/19/11	3975.00	-	-	52.95	0.00	3922.05
MW - 13		07/21/11	3975.00	-	-	52.94	0.00	3922.06
MW - 13		07/25/11	3975.00	-	-	52.95	0.00	3922.05
MW - 13		07/28/11	3975.00	-	-	52.96	0.00	3922.04
MW - 13		08/02/11	3975.00	-	-	52.96	0.00	3922.04
MW - 13		08/09/11	3975.00	-	-	52.95	0.00	3922.05
MW - 13		08/12/11	3975.00	-	-	52.96	0.00	3922.04
MW - 13		08/15/11	3975.00	-	-	53.00	0.00	3922.00
MW - 13		08/16/11	3975.00	-	-	52.97	0.00	3922.03
MW - 13		08/19/11	3975.00	-	-	52.97	0.00	3922.03
MW - 13		08/23/11	3975.00	-	-	52.98	0.00	3922.02
MW - 13		09/01/11	3975.00	-	-	52.97	0.00	3922.03
MW - 13		09/15/11	3975.00	-	-	52.98	0.00	3922.02
MW - 13		09/22/11	3975.00	-	-	52.96	0.00	3922.04
MW - 13		10/11/11	3975.00	-	-	52.99	0.00	3922.01
MW - 13		10/13/11	3975.00	-	-	53.03	0.00	3921.97
MW - 13		11/22/11	3975.00	-	-	52.96	0.00	3922.04
MW - 13		12/29/11	3975.00	-	-	52.96	0.00	3922.04
MW - 13		01/26/12	3975.00	-	-	52.97	0.00	3922.03
MW - 13		01/31/12	3975.00	-	-	52.99	0.00	3922.01
MW - 13		02/15/12	3975.00	-	-	52.95	0.00	3922.05
MW - 13		02/28/12	3975.00	-	-	52.95	0.00	3922.05
MW - 13		03/20/12	3975.00	-	-	53.03	0.00	3921.97
MW - 13		03/27/12	3975.00	-	-	54.96	0.00	3920.04
MW - 13		04/10/12	3975.00	-	-	52.98	0.00	3922.02
MW - 13		04/19/12	3975.00	-	-	52.98	0.00	3922.02
MW - 13		04/26/12	3975.00	-	-	52.96	0.00	3922.04
MW - 13		05/08/12	3975.00	-	-	52.97	0.00	3922.03
MW - 13		05/15/12	3975.00	-	-	52.94	0.00	3922.06
MW - 13		05/17/12	3975.00	-	-	52.93	0.00	3922.07
MW - 13		06/05/12	3975.00	-	-	53.00	0.00	3922.00
MW - 13		06/21/12	3975.00	-	-	52.64	0.00	3922.36
MW - 13		06/28/12	3975.00	-	-	52.70	0.00	3922.30
MW - 13		07/17/12	3975.00	-	-	53.01	0.00	3921.99
MW - 13		08/01/12	3975.00	-	-	53.04	0.00	3921.96
MW - 13		10/02/12	3975.00	-	-	53.31	0.00	3921.69
MW - 13		10/09/12	3975.00	-	-	53.19	0.00	3921.81
MW - 13		10/16/12	3975.00	-	-	53.13	0.00	3921.87
MW - 13		10/25/12	3975.00	-	-	53.14	0.00	3921.86
MW - 13		10/30/12	3975.00	-	-	53.11	0.00	3921.89
MW - 13		11/29/12	3975.00	-	-	53.14	0.00	3921.86
MW - 13		12/14/12	3975.00	-	-	53.16	0.00	3921.84

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 13		02/11/13	3975.00	-	-	53.09	0.00	3921.91
MW - 13		04/11/13	3975.00	-	-	53.29	0.00	3921.71
MW - 13		04/15/13	3975.00	-	-	53.20	0.00	3921.80
MW - 13		04/22/13	3975.00	-	-	53.14	0.00	3921.86
MW - 13		05/06/13	3975.00	-	-	53.14	0.00	3921.86
MW - 13		05/09/13	3975.00	-	-	53.14	0.00	3921.86
MW - 13		05/20/13	3975.00	-	-	53.14	0.00	3921.86
MW - 13		05/24/13	3975.00	-	-	53.25	0.00	3921.75
MW - 13		05/29/13	3975.00	-	-	53.26	0.00	3921.74
MW - 13		05/31/13	3975.00	-	-	53.23	0.00	3921.77
MW - 13		06/07/13	3975.00	-	-	53.31	0.00	3921.69
MW - 13		06/12/13	3975.00	-	-	53.30	0.00	3921.70
MW - 13		06/14/13	3975.00	-	-	53.25	0.00	3921.75
MW - 13		06/19/13	3975.00	-	-	53.24	0.00	3921.76
MW - 13		06/21/13	3975.00	-	-	53.28	0.00	3921.72
MW - 13		06/25/13	3975.00	-	-	53.21	0.00	3921.79
MW - 13		06/26/13	3975.00	-	-	53.26	0.00	3921.74
MW - 13		07/03/13	3975.00	-	-	53.26	0.00	3921.74
MW - 13		07/09/13	3975.00	-	-	53.25	0.00	3921.75
MW - 13		07/11/13	3975.00	-	-	53.31	0.00	3921.69
MW - 13		07/24/13	3975.00	-	-	53.22	0.00	3921.78
MW - 13		07/26/13	3975.00	-	-	53.29	0.00	3921.71
MW - 13		07/31/13	3975.00	-	-	53.25	0.00	3921.75
MW - 13		08/02/13	3975.00	-	-	53.29	0.00	3921.71
MW - 13		08/06/13	3975.00	63.74	-	53.22	0.00	3921.78
MW - 13		08/14/13	3975.00	-	-	53.28	0.00	3921.72
MW - 13		08/21/13	3975.00	-	-	53.32	0.00	3921.68
MW - 13		08/26/13	3975.00	-	-	53.29	0.00	3921.71
MW - 13		09/06/13	3975.00	-	-	53.30	0.00	3921.70
MW - 13		08/30/13	3975.00	-	-	53.28	0.00	3921.72
MW - 13		09/13/13	3975.00	-	-	53.23	0.00	3921.77
MW - 13		09/27/13	3975.00	-	-	53.34	0.00	3921.66
MW - 13		09/30/13	3975.00	-	-	53.35	0.00	3921.65
MW - 13		10/02/13	3975.00	-	-	53.30	0.00	3921.70
MW - 13		10/03/13	3975.00	-	-	53.28	0.00	3921.72
MW - 13		10/11/13	3975.00	-	-	53.21	0.00	3921.79
MW - 13		10/17/13	3975.00	-	-	53.22	0.00	3921.78
MW - 13		10/22/13	3975.00	-	-	53.22	0.00	3921.78
MW - 13		10/24/13	3975.00	-	-	53.37	0.00	3921.63
MW - 13		10/30/13	3975.00	-	-	53.34	0.00	3921.66
MW - 13		11/01/13	3975.00	-	-	53.25	0.00	3921.75
MW - 13		11/04/13	3975.00	-	-	53.29	0.00	3921.71
MW - 13		11/08/13	3975.00	-	-	53.32	0.00	3921.68
MW - 13		11/13/13	3975.00	-	-	53.25	0.00	3921.75
MW - 13		11/15/13	3975.00	-	-	53.25	0.00	3921.75
MW - 13		11/19/13	3975.00	63.62	-	53.25	0.00	3921.75
MW - 13		12/12/13	3975.00	-	-	53.31	0.00	3921.69
MW - 13		12/16/13	3975.00	-	-	53.30	0.00	3921.70
MW - 13		12/18/13	3975.00	-	-	53.30	0.00	3921.70
MW - 13		12/23/13	3975.00	-	-	53.36	0.00	3921.64
MW - 13		12/30/13	3975.00	-	-	53.33	0.00	3921.67
MW - 13		01/01/14	3975.00	-	-	53.27	0.00	3921.73
MW - 13		01/06/14	3975.00	-	-	53.26	0.00	3921.74
MW - 13		01/15/14	3975.00	-	-	53.38	0.00	3921.62
MW - 13	David F.	01/17/14	3975.00	-	-	53.26	0.00	3921.74
MW - 13	David F.	01/20/14	3975.00	-	-	53.21	0.00	3921.79
MW - 13		01/22/14	3975.00	-	-	52.87	0.00	3922.13
MW - 13	John F.	01/29/14	3975.00	-	-	53.31	0.00	3921.69
MW - 13	David/Jose	02/04/14	3975.00	63.60	-	53.28	0.00	3921.72
MW - 13		02/13/14	3975.00	-	-	53.30	0.00	3921.70
MW - 13	David F.	02/21/14	3975.00	-	-	53.37	0.00	3921.63
MW - 13	David F.	02/26/14	3975.00	-	-	53.40	0.00	3921.60
MW - 13	John F.	03/12/14	3975.00	-	-	53.40	0.00	3921.60
MW - 13	John F.	03/14/14	3975.00	-	-	53.37	0.00	3921.63
MW - 13	John & Jose	03/17/14	3975.00	-	-	53.37	0.00	3921.63
MW - 13	David F.	03/24/14	3975.00	-	-	53.33	0.00	3921.67
MW - 13	David & Jose	03/26/14	3975.00	-	-	53.34	0.00	3921.66
MW - 13	Baer	04/09/14	3975.00	-	-	53.24	0.00	3921.76
MW - 13	Manny & Chance	04/28/14	3975.00	-	-	53.24	0.00	3921.76
MW - 13		05/28/14	3975.00	63.66	-	53.34	0.00	3921.66
MW - 13	Manny & Chance	07/30/14	3975.00	-	-	53.36	0.00	3921.64
MW - 13	Manny & Chance	08/23/14	3975.00	-	-	53.40	0.00	3921.60

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 13	Manny	10/31/14	3975.00	-	-	53.40	0.00	3921.60
MW - 13	Manny	11/18/14	3975.00	63.50	-	53.38	0.00	3921.62
MW - 13	Manny	01/09/15	3975.00	-	-	53.35	0.00	3921.65
MW - 13	Manny	02/19/15	3975.00	63.55	-	53.34	0.00	3921.66
MW - 13	Chance/Art	03/31/15	3975.00	-	-	53.35	0.00	3921.65
MW - 13	Arthur/Carlos	04/09/15	3975.00	-	-	53.29	0.00	3921.71
MW - 13	Manny/ Arthur	05/12/15	3975.00	63.55	-	53.30	0.00	3921.70
MW - 13	Matt/Carlos	07/27/15	3975.00	-	-	53.37	0.00	3921.63
MW - 13	Manny/Matt	08/18/15	3975.00	63.61	-	53.35	0.00	3921.65
MW - 13	Carlos	10/08/15	3975.00	-	-	53.43	0.00	3921.57
MW - 13	Carlos	11/23/15	3975.00	63.54	-	53.34	0.00	3921.66
MW - 13	Carlos	01/12/16	3975.00	-	-	53.38	0.00	3921.62
MW - 13	Fernando/ Carlos	02/24/16	3975.00	63.57	-	53.35	0.00	3921.65
MW - 13	Carlos	06/13/16	3975.00	63.55	-	53.35	0.00	3921.65
MW - 13	Fernando	08/02/16	3975.00	-	-	53.49	0.00	3921.51
MW - 13	Carlos	11/28/16	3975.00	63.60	-	53.42	0.00	3921.58
MW - 13	Carlos	02/21/17	3975.00	63.67	-	53.43	0.00	3921.57
MW - 13	Jeremy	05/24/17	3975.00	63.53	-	53.41	0.00	3921.59
MW - 13	Jeremy/ Wesley	07/12/17	3975.00	-	-	53.50	0.00	3921.50
MW - 13	Jeremy	08/11/17	3975.00	63.74	-	53.47	0.00	3921.53
MW - 13	Jeremy	10/18/17	3975.00	-	-	53.54	0.00	3921.46
MW - 13	Jeremy/ Wesley	11/28/17	3975.00	63.65	-	53.52	0.00	3921.48
MW - 13	Jeremy	01/16/18	3975.00	-	-	53.52	0.00	3921.48
MW - 13	Jeremy	02/26/18	3975.00	63.97	-	53.49	0.00	3921.51
MW - 13	Jeremy	04/03/18	3975.00	-	-	53.48	0.00	3921.52
MW - 13	Jeremy	04/17/18	3975.00	-	-	53.48	0.00	3921.52
MW - 13	Jeremy	05/07/18	3975.00	62.53	-	53.66	0.00	3921.34
MW - 13	Jeremy	06/26/18	3975.00	-	-	53.55	0.00	3921.45
MW - 13	Jeremy	08/09/18	3975.00	63.55	-	53.57	0.00	3921.43
MW - 13	Jeremy	09/11/18	3975.00	-	-	53.61	0.00	3921.39
MW - 13	Jeremy/Derek	09/11/18	3975.00	63.57	-	53.65	0.00	3921.35
MW - 13	Jeremy/Derek	11/14/18	3975.00	-	-	53.65	0.00	3921.35
MW - 13	Jeremy	12/18/18	3975.00	-	-	53.60	0.00	3921.40
MW - 13	Jeremy	02/18/19	3975.00	63.57	-	53.64	0.00	3921.36
MW - 13	Jeremy	05/14/19	3975.00	63.49	-	53.60	0.00	3921.40
MW - 13	Jeremy	08/19/19	3975.00	-	-	53.79	0.00	3921.21
MW - 13	Jeremy	11/11/19	3975.00	64.03	-	53.84	0.00	3921.16
MW - 13	Elias	02/18/20	3975.00	63.56	-	53.76	0.00	3921.24
MW - 13	Scott	05/05/20	3975.00	-	-	53.76	0.00	3921.24
MW - 13	Manny	06/11/20	3975.00	63.52	-	53.80	0.00	3921.20
MW - 13	Manny	09/23/20	3975.00	63.55	-	53.91	0.00	3921.09
MW - 13	Manny	12/04/20	3975.00	63.55	-	53.93	0.00	3921.07
MW - 13	Manny	03/23/21	3975.00	63.54	-	53.90	0.00	3921.10
MW - 13	Manny	06/04/21	3975.00	63.50	-	53.95	0.00	3921.05
MW - 13	Manny	09/30/21	3975.00	63.48	-	54.06	0.00	3920.94
MW - 13	Manny	12/09/21	3975.00	63.55	-	54.10	0.00	3920.90
MW - 13	Manny	02/17/22	3975.00	63.48	-	54.08	0.00	3920.92
MW - 13	Manny	05/17/22	3975.00	63.59	-	54.14	0.00	3920.86
MW - 13	Manny	08/08/22	3975.00	63.41	-	54.24	0.00	3920.76
MW - 13	Manny	11/16/22	3975.00	63.53	-	54.27	0.00	3920.73
MW - 13	Manny	02/13/23	3975.00	63.44	-	54.28	0.00	3920.72
MW - 13	Manny	05/16/23	3975.00	63.60	-	54.33	0.00	3920.67
MW - 13	Manny	08/08/23	3975.00	63.75	-	54.41	0.00	3920.59
MW - 13	Manny	12/08/23	3975.00	63.61	-	54.58	0.00	3920.42
MW - 13	Manny	03/06/24	3975.00	63.57	-	54.43	0.00	3920.57
MW - 13	Manny	05/23/24	3975.00	63.43	-	54.46	0.00	3920.54
MW - 13	Manny	09/18/24	3975.00	63.59	-	54.56	0.00	3920.44
MW - 13	Manny	12/11/24	3975.00	63.64	-	54.61	0.00	3920.39
MW - 14		03/02/00	3976.15	-	-	54.49	0.00	3921.66
MW - 14		04/25/00	3976.15	-	-	54.55	0.00	3921.60
MW - 14		09/06/00	3976.15	-	-	54.61	0.00	3921.54
MW - 14		11/28/00	3976.15	-	-	54.61	0.00	3921.54
MW - 14		02/21/01	3976.15	-	-	54.44	0.00	3921.71
MW - 14		05/31/01	3976.15	-	-	54.45	0.00	3921.70
MW - 14		08/23/01	3976.15	-	-	54.47	0.00	3921.68
MW - 14		11/21/01	3976.15	-	-	54.50	0.00	3921.65
MW - 14		02/13/02	3976.15	-	-	54.55	0.00	3921.60
MW - 14		06/12/02	3976.15	-	-	54.52	0.00	3921.63
MW - 14		08/26/02	3976.15	-	-	54.53	0.00	3921.62
MW - 14		11/21/02	3976.15	-	-	54.57	0.00	3921.58
MW - 14		02/05/03	3976.15	-	-	54.52	0.00	3921.63

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 14		05/07/03	3976.15	-	-	54.51	0.00	3921.64
MW - 14		08/18/03	3976.15	-	-	54.57	0.00	3921.58
MW - 14		12/01/03	3976.15	-	-	54.61	0.00	3921.54
MW - 14		02/05/04	3976.15	-	-	54.60	0.00	3921.55
MW - 14		05/05/04	3976.15	-	-	54.58	0.00	3921.57
MW - 14		09/01/04	3976.15	-	-	54.65	0.00	3921.50
MW - 14		12/15/04	3976.15	-	-	54.60	0.00	3921.55
MW - 14		03/22/05	3976.15	-	-	54.40	0.00	3921.75
MW - 14		06/22/05	3976.15	-	-	54.29	0.00	3921.86
MW - 14		09/21/05	3976.15	-	-	54.21	0.00	3921.94
MW - 14		12/16/05	3976.15	-	-	54.14	0.00	3922.01
MW - 14		03/20/06	3976.15	-	-	54.11	0.00	3922.04
MW - 14		06/21/06	3976.15	-	-	54.06	0.00	3922.09
MW - 14		09/27/06	3976.15	-	-	54.04	0.00	3922.11
MW - 14		12/04/06	3976.15	-	-	54.02	0.00	3922.13
MW - 14		02/09/07	3976.15	-	-	54.01	0.00	3922.14
MW - 14		02/23/07	3976.15	-	-	53.96	0.00	3922.19
MW - 14		03/14/07	3976.15	-	-	53.99	0.00	3922.16
MW - 14		05/29/07	3976.15	-	-	53.94	0.00	3922.21
MW - 14		08/30/07	3976.15	-	-	53.92	0.00	3922.23
MW - 14		11/12/07	3976.15	-	-	53.87	0.00	3922.28
MW - 14		03/07/08	3976.15	-	-	53.81	0.00	3922.34
MW - 14		06/02/08	3976.15	-	-	53.75	0.00	3922.40
MW - 14		09/03/08	3976.15	-	-	53.75	0.00	3922.40
MW - 14		12/08/08	3976.15	-	-	53.70	0.00	3922.45
MW - 14		02/19/09	3976.15	-	-	53.71	0.00	3922.44
MW - 14		05/20/09	3976.15	-	-	53.69	0.00	3922.46
MW - 14		08/12/09	3976.15	-	-	53.69	0.00	3922.46
MW - 14		11/04/09	3976.15	-	-	53.66	0.00	3922.49
MW - 14		11/11/09	3976.15	-	-	53.66	0.00	3922.49
MW - 14		11/18/09	3976.15	-	-	53.65	0.00	3922.50
MW - 14		11/25/09	3976.15	-	-	53.65	0.00	3922.50
MW - 14		12/02/09	3976.15	-	-	52.02	0.00	3924.13
MW - 14		01/07/10	3976.15	-	-	53.64	0.00	3922.51
MW - 14		02/02/10	3976.15	-	-	53.63	0.00	3922.52
MW - 14		02/11/10	3976.15	-	-	53.63	0.00	3922.52
MW - 14		05/17/10	3976.15	-	-	53.72	0.00	3922.43
MW - 14		08/16/10	3976.15	-	-	53.71	0.00	3922.44
MW - 14		11/10/10	3976.15	-	-	53.70	0.00	3922.45
MW - 14		02/28/11	3976.15	-	-	53.71	0.00	3922.44
MW - 14		03/04/11	3976.15	-	-	53.56	0.00	3922.59
MW - 14		04/28/11	3976.15	-	-	53.63	0.00	3922.52
MW - 14		05/04/11	3976.15	-	-	52.38	0.00	3923.77
MW - 14		05/11/11	3976.15	-	-	53.59	0.00	3922.56
MW - 14		05/12/11	3976.15	-	-	53.58	0.00	3922.57
MW - 14		05/18/11	3976.15	-	-	53.57	0.00	3922.58
MW - 14		05/23/11	3976.15	-	-	53.62	0.00	3922.53
MW - 14		06/08/11	3976.15	-	-	53.45	0.00	3922.70
MW - 14		06/16/11	3976.15	-	-	53.53	0.00	3922.62
MW - 14		06/22/11	3976.15	-	-	53.52	0.00	3922.63
MW - 14		06/30/11	3976.15	-	-	53.71	0.00	3922.44
MW - 14		07/06/11	3976.15	-	-	53.60	0.00	3922.55
MW - 14		07/13/11	3976.15	-	-	53.66	0.00	3922.49
MW - 14		07/15/11	3976.15	-	-	53.67	0.00	3922.48
MW - 14		07/19/11	3976.15	-	-	53.62	0.00	3922.53
MW - 14		07/21/11	3976.15	-	-	53.58	0.00	3922.57
MW - 14		07/25/11	3976.15	-	-	53.57	0.00	3922.58
MW - 14		07/28/11	3976.15	-	-	53.62	0.00	3922.53
MW - 14		08/02/11	3976.15	-	-	53.70	0.00	3922.45
MW - 14		08/09/11	3976.15	-	-	53.66	0.00	3922.49
MW - 14		08/12/11	3976.15	-	-	53.67	0.00	3922.48
MW - 14		08/15/11	3976.15	-	-	53.67	0.00	3922.48
MW - 14		08/16/11	3976.15	-	-	53.66	0.00	3922.49
MW - 14		08/19/11	3976.15	-	-	53.69	0.00	3922.46
MW - 14		08/23/11	3976.15	-	-	53.71	0.00	3922.44
MW - 14		08/26/11	3976.15	-	-	53.72	0.00	3922.43
MW - 14		08/30/11	3976.15	-	-	53.63	0.00	3922.52
MW - 14		09/01/11	3976.15	-	-	53.68	0.00	3922.47
MW - 14		09/15/11	3976.15	-	-	53.68	0.00	3922.47
MW - 14		09/22/11	3976.15	-	-	53.61	0.00	3922.54
MW - 14		10/11/11	3976.15	-	-	53.72	0.00	3922.43
MW - 14		10/13/11	3976.15	-	-	53.76	0.00	3922.39

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 14		10/26/11	3976.15	-	-	53.70	0.00	3922.45
MW - 14		11/22/11	3976.15	-	-	53.66	0.00	3922.49
MW - 14		12/29/11	3976.15	-	-	53.63	0.00	3922.52
MW - 14		01/26/12	3976.15	-	-	53.64	0.00	3922.51
MW - 14		02/28/12	3976.15	-	-	53.62	0.00	3922.53
MW - 14		03/20/12	3976.15	-	-	53.68	0.00	3922.47
MW - 14		03/27/12	3976.15	-	-	53.65	0.00	3922.50
MW - 14		05/17/12	3976.15	-	-	53.64	0.00	3922.51
MW - 14		08/01/12	3976.15	-	-	53.75	0.00	3922.40
MW - 14		10/25/12	3976.15	-	-	53.80	0.00	3922.35
MW - 14		11/29/12	3976.15	-	-	53.81	0.00	3922.34
MW - 14		02/11/13	3976.15	-	-	53.73	0.00	3922.42
MW - 14		04/11/13	3976.15	-	-	53.96	0.00	3922.19
MW - 14		05/06/13	3976.15	-	-	53.82	0.00	3922.33
MW - 14		05/29/13	3976.15	-	-	53.93	0.00	3922.22
MW - 14		06/26/13	3976.15	-	-	53.86	0.00	3922.29
MW - 14		07/31/13	3976.15	-	-	53.79	0.00	3922.36
MW - 14		08/06/13	3976.15	64.04	-	53.82	0.00	3922.33
MW - 14		09/30/13	3976.15	-	-	53.90	0.00	3922.25
MW - 14		11/19/13	3976.15	64.03	-	53.96	0.00	3922.19
MW - 14	David/Jose	02/04/14	3976.15	64.03	-	53.95	0.00	3922.20
MW - 14	Manny & Chance	04/28/14	3976.15	-	-	53.94	0.00	3922.21
MW - 14		05/28/14	3976.15	-	-	53.96	0.00	3922.19
MW - 14	Manny & Chance	07/30/14	3976.15	-	-	54.00	0.00	3922.15
MW - 14	Manny & Chance	08/23/14	3976.15	-	-	54.06	0.00	3922.09
MW - 14	Manny	10/31/14	3976.15	-	-	54.04	0.00	3922.11
MW - 14	Manny	11/18/14	3976.15	64.02	-	54.05	0.00	3922.10
MW - 14	Chance	11/18/14	3976.15	52.39	-	52.46	0.00	3923.69
MW - 14	Manny	01/09/15	3976.15	-	-	54.02	0.00	3922.13
MW - 14	Manny	02/19/15	3976.15	63.98	-	54.02	0.00	3922.13
MW - 14	Chance/Art	03/31/15	3976.15	-	-	54.02	0.00	3922.13
MW - 14	Arthur/Carlos	04/09/15	3976.15	-	-	53.96	0.00	3922.19
MW - 14	Manny/ Arthur	05/12/15	3976.15	63.99	-	53.98	0.00	3922.17
MW - 14	Matt/Carlos	07/27/15	3976.15	-	-	54.04	0.00	3922.11
MW - 14	Manny/Matt	08/18/15	3976.15	64.09	-	53.92	0.00	3922.23
MW - 14	Carlos	10/08/15	3976.15	-	-	54.05	0.00	3922.10
MW - 14	Carlos	11/23/15	3976.15	64.03	-	54.01	0.00	3922.14
MW - 14	Carlos	01/12/16	3976.15	-	-	54.07	0.00	3922.08
MW - 14	Fernando/ Carlos	02/24/16	3976.15	64.08	-	54.06	0.00	3922.09
MW - 14	Carlos	06/13/16	3976.15	64.02	-	54.06	0.00	3922.09
MW - 14	Fernando	08/02/16	3976.15	-	-	54.18	0.00	3921.97
MW - 14	Carlos	11/28/16	3976.15	64.08	-	54.14	0.00	3922.01
MW - 14	Carlos	02/21/17	3976.15	64.09	-	54.11	0.00	3922.04
MW - 14	Jeremy	05/24/17	3976.15	63.98	-	54.08	0.00	3922.07
MW - 14	Jeremy/ Wesley	07/12/17	3976.15	-	-	54.14	0.00	3922.01
MW - 14	Jeremy	08/11/17	3976.15	63.04	-	54.16	0.00	3921.99
MW - 14	Jeremy	10/18/17	3976.15	-	-	54.21	0.00	3921.94
MW - 14	Jeremy/ Wesley	11/28/17	3976.15	64.02	-	54.21	0.00	3921.94
MW - 14	Jeremy	01/16/18	3976.15	-	-	54.21	0.00	3921.94
MW - 14	Jeremy	02/26/18	3976.15	64.31	-	54.18	0.00	3921.97
MW - 14	Jeremy	04/03/18	3976.15	-	-	54.16	0.00	3921.99
MW - 14	Jeremy	04/17/18	3976.15	-	-	54.18	0.00	3921.97
MW - 14	Jeremy	05/07/18	3976.15	63.97	-	54.20	0.00	3921.95
MW - 14	Jeremy	06/26/18	3976.15	-	-	54.25	0.00	3921.90
MW - 14	Jeremy	08/09/18	3976.15	63.92	-	54.28	0.00	3921.87
MW - 14	Jeremy/Derek	11/14/18	3976.15	63.97	-	54.31	0.00	3921.84
MW - 14	Jeremy/Derek	11/27/18	3976.15	63.95	-	54.34	0.00	3921.81
MW - 14	Jeremy	12/18/18	3976.15	-	-	54.31	0.00	3921.84
MW - 14	Jeremy	02/18/19	3976.15	63.97	-	54.33	0.00	3921.82
MW - 14	Jeremy	05/14/19	3976.15	-	-	54.29	0.00	3921.86
MW - 14	Jeremy	08/19/19	3976.15	63.95	-	54.47	0.00	3921.68
MW - 14	Jeremy	11/11/19	3976.15	63.98	-	54.49	0.00	3921.66
MW - 14	Elias	02/18/20	3976.15	64.00	-	54.45	0.00	3921.70
MW - 14	Scott	05/05/20	3976.15	-	-	54.46	0.00	3921.69
MW - 14	Manny	06/11/20	3976.15	63.96	-	54.50	0.00	3921.65
MW - 14	Manny	09/23/20	3976.15	63.95	-	54.60	0.00	3921.55
MW - 14	Manny	12/04/20	3976.15	63.96	-	54.62	0.00	3921.53
MW - 14	Manny	03/23/21	3976.15	63.85	-	54.60	0.00	3921.55
MW - 14	Manny	06/04/21	3976.15	63.93	-	54.65	0.00	3921.50
MW - 14	Manny	09/30/21	3976.15	63.99	-	54.78	0.00	3921.37
MW - 14	Manny	12/09/21	3976.15	63.95	-	54.79	0.00	3921.36
MW - 14	Manny	02/17/22	3976.15	63.95	-	54.74	0.00	3921.41

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 14	Manny	03/08/22	3976.15	-	-	54.79	0.00	3921.36
MW - 14	Manny	05/18/22	3976.15	64.02	-	54.87	0.00	3921.28
MW - 14	Manny	08/09/22	3976.15	63.92	-	54.93	0.00	3921.22
MW - 14	Manny	11/15/22	3976.15	63.93	-	54.96	0.00	3921.19
MW - 14	Manny	02/14/23	3976.15	63.94	-	54.98	0.00	3921.17
MW - 14	Manny	05/16/23	3976.15	63.96	-	55.04	0.00	3921.11
MW - 14	Manny	08/08/23	3976.15	64.00	-	55.15	0.00	3921.00
MW - 14	Manny	12/07/23	3976.15	63.93	-	55.16	0.00	3920.99
MW - 14	Manny	03/06/24	3976.15	63.86	-	55.13	0.00	3921.02
MW - 14	Manny	05/23/24	3976.15	63.92	-	55.15	0.00	3921.00
MW - 14	Manny	09/18/24	3976.15	63.88	-	55.24	0.00	3920.91
MW - 14	Manny	12/11/24	3976.15	62.95	-	55.24	0.00	3920.91
MW - 15		03/02/00	3974.69	-	-	53.31	0.00	3921.38
MW - 15		04/25/00	3974.69	-	-	53.39	0.00	3921.30
MW - 15		09/06/00	3974.69	-	-	53.45	0.00	3921.24
MW - 15		11/28/00	3974.69	-	-	53.45	0.00	3921.24
MW - 15		02/21/01	3974.69	-	-	53.35	0.00	3921.34
MW - 15		05/31/01	3974.69	-	-	53.25	0.00	3921.44
MW - 15		08/23/01	3974.69	-	-	53.32	0.00	3921.37
MW - 15		11/21/01	3974.69	-	-	53.46	0.00	3921.23
MW - 15		02/13/02	3974.69	-	-	53.39	0.00	3921.30
MW - 15		06/12/02	3974.69	-	-	53.36	0.00	3921.33
MW - 15		08/26/02	3974.69	-	-	53.45	0.00	3921.24
MW - 15		11/21/02	3974.69	-	-	53.42	0.00	3921.27
MW - 15		02/05/03	3974.69	-	-	53.40	0.00	3921.29
MW - 15		05/07/03	3974.69	-	-	53.35	0.00	3921.34
MW - 15		08/18/03	3974.69	-	-	53.41	0.00	3921.28
MW - 15		12/01/03	3974.69	-	-	53.45	0.00	3921.24
MW - 15		02/05/04	3974.69	-	-	53.45	0.00	3921.24
MW - 15		05/05/04	3974.69	-	-	53.42	0.00	3921.27
MW - 15		09/01/04	3974.69	-	-	53.47	0.00	3921.22
MW - 15		12/15/04	3974.69	-	-	53.40	0.00	3921.29
MW - 15		03/22/05	3974.69	-	-	53.19	0.00	3921.50
MW - 15		06/22/05	3974.69	-	-	53.14	0.00	3921.55
MW - 15		09/21/05	3974.69	-	-	53.05	0.00	3921.64
MW - 15		12/16/05	3974.69	-	-	52.99	0.00	3921.70
MW - 15		03/20/06	3974.69	-	-	52.96	0.00	3921.73
MW - 15		06/21/06	3974.69	-	-	52.91	0.00	3921.78
MW - 15		09/27/06	3974.69	-	-	52.88	0.00	3921.81
MW - 15		12/04/06	3974.69	-	-	52.88	0.00	3921.81
MW - 15		02/09/07	3974.69	-	-	52.87	0.00	3921.82
MW - 15		02/23/07	3974.69	-	-	52.80	0.00	3921.89
MW - 15		03/14/07	3974.69	-	-	52.81	0.00	3921.88
MW - 15		05/29/07	3974.69	-	-	52.79	0.00	3921.90
MW - 15		08/30/07	3974.69	-	-	52.77	0.00	3921.92
MW - 15		11/12/07	3974.69	-	-	52.73	0.00	3921.96
MW - 15		03/07/08	3974.69	-	-	52.66	0.00	3922.03
MW - 15		06/02/08	3974.69	-	-	52.60	0.00	3922.09
MW - 15		09/03/08	3974.69	-	-	52.62	0.00	3922.07
MW - 15		12/08/08	3974.69	-	-	52.62	0.00	3922.07
MW - 15		02/19/09	3974.69	-	-	52.56	0.00	3922.13
MW - 15		05/20/09	3974.69	-	-	52.53	0.00	3922.16
MW - 15		08/12/09	3974.69	-	-	52.53	0.00	3922.16
MW - 15		11/04/09	3974.69	-	-	52.47	0.00	3922.22
MW - 15		11/11/09	3974.69	-	-	52.46	0.00	3922.23
MW - 15		11/18/09	3974.69	-	-	52.50	0.00	3922.19
MW - 15		11/25/09	3974.69	-	-	52.51	0.00	3922.18
MW - 15		12/02/09	3974.69	-	-	52.49	0.00	3922.20
MW - 15		01/07/10	3974.69	-	-	52.50	0.00	3922.19
MW - 15		02/02/10	3974.69	-	-	52.47	0.00	3922.22
MW - 15		02/11/10	3974.69	-	-	52.47	0.00	3922.22
MW - 15		05/17/10	3974.69	-	-	52.59	0.00	3922.10
MW - 15		08/16/10	3974.69	-	-	52.59	0.00	3922.10
MW - 15		11/10/10	3974.69	-	-	52.58	0.00	3922.11
MW - 15		02/28/11	3974.69	-	-	52.59	0.00	3922.10
MW - 15		03/04/11	3974.69	-	-	52.43	0.00	3922.26
MW - 15		04/28/11	3974.69	-	-	52.38	0.00	3922.31
MW - 15		05/04/11	3974.69	-	-	52.37	0.00	3922.32
MW - 15		05/11/11	3974.69	-	-	52.39	0.00	3922.30
MW - 15		05/12/11	3974.69	-	-	52.48	0.00	3922.21
MW - 15		05/18/11	3974.69	-	-	52.51	0.00	3922.18

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 15		05/23/11	3974.69	-	-	52.30	0.00	3922.39
MW - 15		06/08/11	3974.69	-	-	52.53	0.00	3922.16
MW - 15		06/16/11	3974.69	-	-	52.46	0.00	3922.23
MW - 15		06/22/11	3974.69	-	-	52.44	0.00	3922.25
MW - 15		06/30/11	3974.69	-	-	52.49	0.00	3922.20
MW - 15		07/06/11	3974.69	-	-	52.48	0.00	3922.21
MW - 15		07/13/11	3974.69	-	-	52.49	0.00	3922.20
MW - 15		07/15/11	3974.69	-	-	52.54	0.00	3922.15
MW - 15		07/19/11	3974.69	-	-	52.50	0.00	3922.19
MW - 15		07/21/11	3974.69	-	-	52.52	0.00	3922.17
MW - 15		07/26/11	3974.69	-	-	52.50	0.00	3922.19
MW - 15		07/28/11	3974.69	-	-	52.58	0.00	3922.11
MW - 15		08/02/11	3974.69	-	-	52.63	0.00	3922.06
MW - 15		08/09/11	3974.69	-	-	52.65	0.00	3922.04
MW - 15		08/12/11	3974.69	-	-	52.70	0.00	3921.99
MW - 15		08/15/11	3974.69	-	-	52.70	0.00	3921.99
MW - 15		08/16/11	3974.69	-	-	52.69	0.00	3922.00
MW - 15		08/19/11	3974.69	-	-	52.72	0.00	3921.97
MW - 15		08/23/11	3974.69	-	-	52.74	0.00	3921.95
MW - 15		08/26/11	3974.69	-	-	52.76	0.00	3921.93
MW - 15		08/30/11	3974.69	-	-	52.50	0.00	3922.19
MW - 15		09/01/11	3974.69	-	-	52.53	0.00	3922.16
MW - 15		09/15/11	3974.69	-	-	52.58	0.00	3922.11
MW - 15		09/22/11	3974.69	-	-	52.52	0.00	3922.17
MW - 15		10/11/11	3974.69	-	-	52.13	0.00	3922.56
MW - 15		10/13/11	3974.69	-	-	52.64	0.00	3922.05
MW - 15		10/26/11	3974.69	-	-	52.59	0.00	3922.10
MW - 15		11/22/11	3974.69	-	-	52.54	0.00	3922.15
MW - 15		12/29/11	3974.69	-	-	52.46	0.00	3922.23
MW - 15		01/26/12	3974.69	-	-	52.55	0.00	3922.14
MW - 15		01/31/12	3974.69	-	-	52.56	0.00	3922.13
MW - 15		02/15/12	3974.69	-	-	52.50	0.00	3922.19
MW - 15		02/28/12	3974.69	-	-	52.51	0.00	3922.18
MW - 15		03/20/12	3974.69	-	-	52.57	0.00	3922.12
MW - 15		03/27/12	3974.69	-	-	52.54	0.00	3922.15
MW - 15		04/10/12	3974.69	-	-	52.54	0.00	3922.15
MW - 15		04/19/12	3974.69	-	-	52.55	0.00	3922.14
MW - 15		04/26/12	3974.69	-	-	52.49	0.00	3922.20
MW - 15		05/08/12	3974.69	-	-	52.50	0.00	3922.19
MW - 15		05/15/12	3974.69	-	-	52.51	0.00	3922.18
MW - 15		05/17/12	3974.69	-	-	52.49	0.00	3922.20
MW - 15		06/05/12	3974.69	-	-	52.53	0.00	3922.16
MW - 15		06/21/12	3974.69	-	-	53.09	0.00	3921.60
MW - 15		06/28/12	3974.69	-	-	53.16	0.00	3921.53
MW - 15		08/01/12	3974.69	-	-	52.60	0.00	3922.09
MW - 15		10/02/12	3974.69	-	-	52.70	0.00	3921.99
MW - 15		10/09/12	3974.69	-	-	52.75	0.00	3921.94
MW - 15		10/16/12	3974.69	-	-	52.67	0.00	3922.02
MW - 15		10/25/12	3974.69	-	-	52.67	0.00	3922.02
MW - 15		10/30/12	3974.69	-	-	52.68	0.00	3922.01
MW - 15		11/29/12	3974.69	-	-	52.73	0.00	3921.96
MW - 15		12/14/12	3974.69	-	-	52.71	0.00	3921.98
MW - 15		02/11/13	3974.69	-	-	52.65	0.00	3922.04
MW - 15		04/11/13	3974.69	-	-	52.91	0.00	3921.78
MW - 15		04/15/13	3974.69	-	-	52.91	0.00	3921.78
MW - 15		04/22/13	3974.69	-	-	52.66	0.00	3922.03
MW - 15		05/06/13	3974.69	-	-	52.66	0.00	3922.03
MW - 15		05/09/13	3974.69	-	-	52.68	0.00	3922.01
MW - 15		05/20/13	3974.69	-	-	52.69	0.00	3922.00
MW - 15		05/24/13	3974.69	-	-	52.83	0.00	3921.86
MW - 15		05/29/13	3974.69	-	-	52.92	0.00	3921.77
MW - 15		05/31/13	3974.69	-	-	52.82	0.00	3921.87
MW - 15		06/07/13	3974.69	-	-	52.93	0.00	3921.76
MW - 15		06/12/13	3974.69	-	-	52.91	0.00	3921.78
MW - 15		06/14/13	3974.69	-	-	52.86	0.00	3921.83
MW - 15		06/19/13	3974.69	-	-	52.88	0.00	3921.81
MW - 15		06/21/13	3974.69	-	-	52.94	0.00	3921.75
MW - 15		06/25/13	3974.69	-	-	52.75	0.00	3921.94
MW - 15		06/26/13	3974.69	-	-	52.88	0.00	3921.81
MW - 15		07/03/13	3974.69	-	-	52.86	0.00	3921.83
MW - 15		07/09/13	3974.69	-	-	52.87	0.00	3921.82
MW - 15		07/11/13	3974.69	-	-	52.92	0.00	3921.77

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 15		07/24/13	3974.69	-	-	52.84	0.00	3921.85
MW - 15		07/26/13	3974.69	-	-	52.88	0.00	3921.81
MW - 15		07/31/13	3974.69	-	-	52.83	0.00	3921.86
MW - 15		08/02/13	3974.69	-	-	52.87	0.00	3921.82
MW - 15		08/06/13	3974.69	62.79	-	52.78	0.00	3921.91
MW - 15		08/14/13	3974.69	-	-	52.89	0.00	3921.80
MW - 15		08/21/13	3974.69	-	-	52.91	0.00	3921.78
MW - 15		08/26/13	3974.69	-	-	52.87	0.00	3921.82
MW - 15		09/06/13	3974.69	-	-	52.87	0.00	3921.82
MW - 15		08/30/13	3974.69	-	-	52.84	0.00	3921.85
MW - 15		09/13/13	3974.69	-	-	52.80	0.00	3921.89
MW - 15		09/27/13	3974.69	-	-	52.93	0.00	3921.76
MW - 15		09/30/13	3974.69	-	-	52.91	0.00	3921.78
MW - 15		10/02/13	3974.69	-	-	52.92	0.00	3921.77
MW - 15		10/03/13	3974.69	-	-	52.88	0.00	3921.81
MW - 15		10/11/13	3974.69	-	-	52.76	0.00	3921.93
MW - 15		10/17/13	3974.69	-	-	52.79	0.00	3921.90
MW - 15		10/22/13	3974.69	-	-	52.78	0.00	3921.91
MW - 15		10/24/13	3974.69	-	-	52.96	0.00	3921.73
MW - 15		10/30/13	3974.69	-	-	52.92	0.00	3921.77
MW - 15		11/01/13	3974.69	-	-	52.85	0.00	3921.84
MW - 15		11/04/13	3974.69	-	-	52.83	0.00	3921.86
MW - 15		11/08/13	3974.69	-	-	52.95	0.00	3921.74
MW - 15		11/13/13	3974.69	-	-	52.80	0.00	3921.89
MW - 15		11/15/13	3974.69	-	-	52.81	0.00	3921.88
MW - 15		11/19/13	3974.69	62.48	-	52.79	0.00	3921.90
MW - 15		12/08/13	3974.69	62.48	-	52.79	0.00	3921.90
MW - 15		12/12/13	3974.69	-	-	52.85	0.00	3921.84
MW - 15		12/16/13	3974.69	-	-	52.83	0.00	3921.86
MW - 15		12/18/13	3974.69	-	-	52.84	0.00	3921.85
MW - 15		12/23/13	3974.69	-	-	52.94	0.00	3921.75
MW - 15		12/30/13	3974.69	-	-	52.89	0.00	3921.80
MW - 15		01/01/14	3974.69	-	-	52.85	0.00	3921.84
MW - 15		01/06/14	3974.69	-	-	52.83	0.00	3921.86
MW - 15		01/15/14	3974.69	-	-	52.98	0.00	3921.71
MW - 15	David F.	01/17/14	3974.69	-	-	52.82	0.00	3921.87
MW - 15	David F.	01/20/14	3974.69	-	-	52.80	0.00	3921.89
MW - 15		01/22/14	3974.69	-	-	53.36	0.00	3921.33
MW - 15	John F.	01/29/14	3974.69	-	-	52.84	0.00	3921.85
MW - 15	David/Jose	02/04/14	3974.69	62.44	-	52.81	0.00	3921.88
MW - 15		02/13/14	3974.69	-	-	52.83	0.00	3921.86
MW - 15	David F.	02/21/14	3974.69	-	-	52.98	0.00	3921.71
MW - 15	David F.	02/26/14	3974.69	-	-	53.00	0.00	3921.69
MW - 15	John F.	03/12/14	3974.69	-	-	52.98	0.00	3921.71
MW - 15	John F.	03/14/14	3974.69	-	-	52.95	0.00	3921.74
MW - 15	John & Jose	03/17/14	3974.69	-	-	52.94	0.00	3921.75
MW - 15	David F.	03/24/14	3974.69	-	-	52.92	0.00	3921.77
MW - 15	David & Jose	03/26/14	3974.69	-	-	52.91	0.00	3921.78
MW - 15	Baer	04/09/14	3974.69	-	-	52.79	0.00	3921.90
MW - 15	Manny & Chance	04/28/14	3974.69	-	-	52.80	0.00	3921.89
MW - 15		05/28/14	3974.69	63.47	-	52.92	0.00	3921.77
MW - 15	Baer	06/18/14	3974.69	62.42	-	52.83	0.00	3921.86
MW - 15	Manny & Chance	07/30/14	3974.69	-	-	52.89	0.00	3921.80
MW - 15	Manny & Chance	08/23/14	3974.69	-	-	52.93	0.00	3921.76
MW - 15	Manny	10/31/14	3974.69	-	-	52.94	0.00	3921.75
MW - 15	Manny	11/18/14	3974.69	-	-	52.91	0.00	3921.78
MW - 15	Manny	01/09/15	3974.69	-	-	52.87	0.00	3921.82
MW - 15	Manny	02/19/15	3974.69	-	-	52.90	0.00	3921.79
MW - 15	Chance/Art	03/31/15	3974.69	-	-	52.93	0.00	3921.76
MW - 15	Arthur/Carlos	04/09/15	3974.69	-	-	52.80	0.00	3921.89
MW - 15	Manny/ Arthur	05/12/15	3974.69	62.44	-	52.84	0.00	3921.85
MW - 15	Matt/Carlos	07/27/15	3974.69	-	-	52.95	0.00	3921.74
MW - 15	Manny/Matt	08/18/15	3974.69	62.50	-	52.88	0.00	3921.81
MW - 15	Carlos	10/08/15	3974.69	-	-	53.03	0.00	3921.66
MW - 15	Carlos	11/23/15	3974.69	62.46	-	52.91	0.00	3921.78
MW - 15	Carlos	01/12/16	3974.69	-	-	52.90	0.00	3921.79
MW - 15	Fernando/ Carlos	02/24/16	3974.69	62.50	-	52.90	0.00	3921.79
MW - 15	Carlos	06/13/16	3974.69	62.50	-	52.93	0.00	3921.76
MW - 15	Fernando	08/02/16	3974.69	-	-	53.07	0.00	3921.62
MW - 15	Carlos	11/28/16	3974.69	62.38	-	52.98	0.00	3921.71
MW - 15	Carlos	02/21/17	3974.69	62.54	-	52.95	0.00	3921.74
MW - 15	Jeremy	05/24/17	3974.69	62.27	-	52.93	0.00	3921.76

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 15	Jeremy/ Wesley	07/12/17	3974.69	-	-	53.05	0.00	3921.64
MW - 15	Jeremy	08/11/17	3974.69	62.58	-	53.01	0.00	3921.68
MW - 15	Jeremy	10/18/17	3974.69	-	-	53.09	0.00	3921.60
MW - 15	Jeremy/ Wesley	11/28/17	3974.69	62.38	-	53.06	0.00	3921.63
MW - 15	Jeremy	01/16/18	3974.69	-	-	53.05	0.00	3921.64
MW - 15	Jeremy	02/26/18	3974.69	62.67	-	53.01	0.00	3921.68
MW - 15	Jeremy	04/03/18	3974.69	-	-	53.02	0.00	3921.67
MW - 15	Jeremy	04/17/18	3974.69	-	-	53.01	0.00	3921.68
MW - 15	Jeremy	05/07/18	3974.69	62.37	-	53.11	0.00	3921.58
MW - 15	Jeremy	06/26/18	3974.69	-	-	53.08	0.00	3921.61
MW - 15	Jeremy	08/09/18	3974.69	62.34	-	53.14	0.00	3921.55
MW - 15	Jeremy	09/11/18	3974.69	-	-	53.15	0.00	3921.54
MW - 15	Jeremy/Derek	09/11/18	3974.69	62.53	-	53.21	0.00	3921.48
MW - 15	Jeremy/Derek	11/14/18	3974.69	-	-	53.21	0.00	3921.48
MW - 15	Jeremy	12/18/18	3974.69	-	-	53.12	0.00	3921.57
MW - 15	Jeremy	02/18/19	3974.69	62.56	-	53.16	0.00	3921.53
MW - 15	Jeremy	05/14/19	3974.69	-	-	53.11	0.00	3921.58
MW - 15	Jeremy	08/19/19	3974.69	62.36	-	53.30	0.00	3921.39
MW - 15	Jeremy	11/11/19	3974.69	62.35	-	53.32	0.00	3921.37
MW - 15	Elias	02/18/20	3974.69	62.54	-	53.28	0.00	3921.41
MW - 15	Scott	05/05/20	3974.69	-	-	53.31	0.00	3921.38
MW - 15	Manny	06/11/20	3974.69	62.44	-	53.34	0.00	3921.35
MW - 15	Manny	09/23/20	3974.69	62.45	-	53.45	0.00	3921.24
MW - 15	Manny	12/04/20	3974.69	62.41	-	53.47	0.00	3921.22
MW - 15	Manny	03/23/21	3974.69	62.44	-	53.44	0.00	3921.25
MW - 15	Manny	06/04/21	3974.69	62.38	-	53.51	0.00	3921.18
MW - 15	Manny	09/30/21	3974.69	62.37	-	53.61	0.00	3921.08
MW - 15	Manny	12/09/21	3974.69	62.60	-	53.62	0.00	3921.07
MW - 15	Manny	02/17/22	3974.69	62.30	-	53.63	0.00	3921.06
MW - 15	Manny	03/08/22	3974.69	-	-	53.60	0.00	3921.09
MW - 15	Manny	05/18/22	3974.69	62.34	-	53.71	0.00	3920.98
MW - 15	Manny	08/09/22	3974.69	62.29	-	53.79	0.00	3920.90
MW - 15	Manny	11/15/22	3974.69	62.28	-	53.80	0.00	3920.89
MW - 15	Manny	02/14/23	3974.69	62.23	-	53.77	0.00	3920.92
MW - 15	Manny	05/16/23	3974.69	62.27	-	53.98	0.00	3920.71
MW - 15	Manny	08/08/23	3974.69	62.29	-	53.95	0.00	3920.74
MW - 15	Manny	12/07/23	3974.69	62.26	-	54.03	0.00	3920.66
MW - 15	Manny	03/06/24	3974.69	62.24	-	53.92	0.00	3920.77
MW - 15	Manny	05/23/24	3974.69	62.19	-	53.98	0.00	3920.71
MW - 15	Manny	09/18/24	3974.69	62.27	-	54.10	0.00	3920.59
MW - 15	Manny	12/11/24	3974.69	62.31	-	54.12	0.00	3920.57
MW - 16		12/23/02	3975.12	-	-	53.44	0.00	3921.68
MW - 16		01/10/03	3975.12	-	-	53.45	0.00	3921.67
MW - 16		05/07/03	3975.12	-	-	53.38	0.00	3921.74
MW - 16		08/18/03	3975.12	-	-	53.44	0.00	3921.68
MW - 16		12/01/03	3975.12	-	-	53.48	0.00	3921.64
MW - 16		02/05/04	3975.12	-	-	53.48	0.00	3921.64
MW - 16		05/05/04	3975.12	-	-	53.41	0.00	3921.71
MW - 16		09/01/04	3975.12	-	-	53.52	0.00	3921.60
MW - 16		12/15/04	3975.12	-	-	53.48	0.00	3921.64
MW - 16		03/22/05	3975.12	-	-	53.26	0.00	3921.86
MW - 16		06/22/05	3975.12	-	-	53.15	0.00	3921.97
MW - 16		09/21/05	3975.12	-	-	53.08	0.00	3922.04
MW - 16		12/16/05	3975.12	-	-	53.02	0.00	3922.10
MW - 16		03/20/06	3975.12	-	-	52.97	0.00	3922.15
MW - 16		06/21/06	3975.12	-	-	52.94	0.00	3922.18
MW - 16		09/27/06	3975.12	-	-	52.90	0.00	3922.22
MW - 16		12/04/06	3975.12	-	-	52.88	0.00	3922.24
MW - 16		03/14/07	3975.12	-	-	52.84	0.00	3922.28
MW - 16		05/29/07	3975.12	-	-	52.80	0.00	3922.32
MW - 16		08/30/07	3975.12	-	-	52.78	0.00	3922.34
MW - 16		11/12/07	3975.12	-	-	52.73	0.00	3922.39
MW - 16		03/07/08	3975.12	-	-	52.66	0.00	3922.46
MW - 16		06/02/08	3975.12	-	-	52.62	0.00	3922.50
MW - 16		09/03/08	3975.12	-	-	52.63	0.00	3922.49
MW - 16		12/08/08	3975.12	-	-	52.57	0.00	3922.55
MW - 16		02/19/09	3975.12	-	-	52.58	0.00	3922.54
MW - 16		05/20/09	3975.12	-	-	52.54	0.00	3922.58
MW - 16		08/12/09	3975.12	-	-	52.55	0.00	3922.57
MW - 16		11/25/09	3975.12	-	-	52.51	0.00	3922.61
MW - 16		01/07/10	3975.12	-	-	52.51	0.00	3922.61

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 16		02/11/10	3975.12	-	-	52.48	0.00	3922.64
MW - 16		05/17/10	3975.12	-	-	52.60	0.00	3922.52
MW - 16		08/16/10	3975.12	-	-	52.61	0.00	3922.51
MW - 16		11/10/10	3975.12	-	-	52.61	0.00	3922.51
MW - 16		02/28/11	3975.12	-	-	52.60	0.00	3922.52
MW - 16		05/12/11	3975.12	-	-	52.29	0.00	3922.83
MW - 16		08/15/11	3975.12	-	-	52.56	0.00	3922.56
MW - 16		11/22/11	3975.12	-	-	52.40	0.00	3922.72
MW - 16		02/28/12	3975.12	-	-	52.41	0.00	3922.71
MW - 16		05/17/12	3975.12	-	-	52.50	0.00	3922.62
MW - 16		08/01/12	3975.12	-	-	52.61	0.00	3922.51
MW - 16		10/25/12	3975.12	-	-	52.64	0.00	3922.48
MW - 16		11/29/12	3975.12	-	-	52.41	0.00	3922.71
MW - 16		02/11/13	3975.12	-	-	52.59	0.00	3922.53
MW - 16		04/11/13	3975.12	-	-	52.19	0.00	3922.93
MW - 16		05/06/13	3975.12	-	-	52.67	0.00	3922.45
MW - 16		05/29/13	3975.12	-	-	52.42	0.00	3922.70
MW - 16		06/26/13	3975.12	-	-	52.19	0.00	3922.93
MW - 16		07/31/13	3975.12	-	-	52.32	0.00	3922.80
MW - 16		08/06/13	3975.12	-	-	52.42	0.00	3922.70
MW - 16		09/30/13	3975.12	-	-	52.49	0.00	3922.63
MW - 16		11/19/13	3975.12	59.18	-	52.81	0.00	3922.31
MW - 16	David/Jose	02/04/14	3975.12	-	-	52.81	0.00	3922.31
MW - 16	Manny & Chance	04/28/14	3975.12	-	-	52.81	0.00	3922.31
MW - 16		05/28/14	3975.12	-	-	52.66	0.00	3922.46
MW - 16	Manny & Chance	07/30/14	3975.12	-	-	52.80	0.00	3922.32
MW - 16	Manny & Chance	08/23/14	3975.12	-	-	52.90	0.00	3922.22
MW - 16	Manny	10/31/14	3975.12	-	-	52.86	0.00	3922.26
MW - 16	Manny	11/18/14	3975.12	58.99	-	52.90	0.00	3922.22
MW - 16	Manny	01/09/15	3975.12	-	-	52.88	0.00	3922.24
MW - 16	Manny	02/19/15	3975.12	-	-	52.84	0.00	3922.28
MW - 16	Chance/Art	03/31/15	3975.12	-	-	52.72	0.00	3922.40
MW - 16	Arthur/Carlos	04/09/15	3975.12	-	-	52.80	0.00	3922.32
MW - 16	Manny/ Arthur	05/12/15	3975.12	-	-	52.86	0.00	3922.26
MW - 16	Matt/Carlos	07/27/15	3975.12	-	-	52.72	0.00	3922.40
MW - 16	Manny/Matt	08/18/15	3975.12	-	-	52.60	0.00	3922.52
MW - 16	Carlos	10/08/15	3975.12	-	-	52.69	0.00	3922.43
MW - 16	Carlos	11/23/15	3975.12	58.83	-	52.81	0.00	3922.31
MW - 16	Carlos	01/12/16	3975.12	-	-	52.92	0.00	3922.20
MW - 16	Fernando/ Carlos	02/24/16	3975.12	-	-	52.90	0.00	3922.22
MW - 16	Carlos	06/13/16	3975.12	-	-	52.91	0.00	3922.21
MW - 16	Fernando	08/02/16	3975.12	-	-	52.96	0.00	3922.16
MW - 16	Carlos	11/28/16	3975.12	58.73	-	53.00	0.00	3922.12
MW - 16	Carlos	02/21/17	3975.12	58.80	-	52.98	0.00	3922.14
MW - 16	Jeremy	05/24/17	3975.12	-	-	52.95	0.00	3922.17
MW - 16	Jeremy/ Wesley	07/12/17	3975.12	-	-	52.95	0.00	3922.17
MW - 16	Jeremy	08/11/17	3975.12	-	-	52.95	0.00	3922.17
MW - 16	Jeremy	10/18/17	3975.12	-	-	52.91	0.00	3922.21
MW - 16	Jeremy/ Wesley	11/28/17	3975.12	58.67	-	53.07	0.00	3922.05
MW - 16	Jeremy	01/16/18	3975.12	-	-	53.08	0.00	3922.04
MW - 16	Jeremy	02/26/18	3975.12	-	-	53.02	0.00	3922.10
MW - 16	Jeremy	04/03/18	3975.12	-	-	53.01	0.00	3922.11
MW - 16	Jeremy	04/17/18	3975.12	-	-	53.04	0.00	3922.08
MW - 16	Jeremy	05/07/18	3975.12	-	-	52.72	0.00	3922.40
MW - 16	Jeremy	06/26/18	3975.12	-	-	53.10	0.00	3922.02
MW - 16	Jeremy	08/09/18	3975.12	-	-	53.14	0.00	3921.98
MW - 16	Jeremy/Derek	11/14/18	3975.12	57.70	-	53.16	0.00	3921.96
MW - 16	Jeremy	12/18/18	3975.12	-	-	53.19	0.00	3921.93
MW - 16	Jeremy	02/18/19	3975.12	-	-	53.22	0.00	3921.90
MW - 16	Jeremy	05/14/19	3975.12	-	-	53.16	0.00	3921.96
MW - 16	Jeremy	08/19/19	3975.12	-	-	53.37	0.00	3921.75
MW - 16	Jeremy	11/11/19	3975.12	57.71	-	53.36	0.00	3921.76
MW - 16	Elias	02/18/20	3975.12	-	-	53.30	0.00	3921.82
MW - 16	Scott	05/05/20	3975.12	-	-	53.34	0.00	3921.78
MW - 16	Manny	06/11/20	3975.12	-	-	53.35	0.00	3921.77
MW - 16	Manny	09/23/20	3975.12	-	-	53.44	0.00	3921.68
MW - 16	Manny	12/04/20	3975.12	-	-	53.47	0.00	3921.65
MW - 16	Manny	12/24/20	3975.12	-	-	53.49	0.00	3921.63
MW - 16	Manny	03/23/21	3975.12	58.22	-	53.47	0.00	3921.65
MW - 16	Manny	06/04/21	3975.12	-	-	53.52	0.00	3921.60
MW - 16	Manny	09/30/21	3975.12	-	-	53.62	0.00	3921.50
MW - 16	Manny	12/09/21	3975.12	58.15	-	53.67	0.00	3921.45

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 16	Manny	02/17/22	3975.12	-	-	53.66	0.00	3921.46
MW - 16	Manny	05/16/22	3975.12	-	-	53.73	0.00	3921.39
MW - 16	Manny	08/08/22	3975.12	-	-	53.78	0.00	3921.34
MW - 16	Manny	11/16/22	3975.12	57.70	-	53.82	0.00	3921.30
MW - 16	Manny	02/13/23	3975.12	-	-	53.84	0.00	3921.28
MW - 16	Manny	05/15/23	3975.12	-	-	53.91	0.00	3921.21
MW - 16	Manny	08/08/23	3975.12	-	-	53.98	0.00	3921.14
MW - 16	Manny	12/08/23	3975.12	57.65	-	54.03	0.00	3921.09
MW - 16	Manny	03/05/24	3975.12	-	-	53.99	0.00	3921.13
MW - 16	Manny	05/22/24	3975.12	-	-	54.03	0.00	3921.09
MW - 16	Manny	09/18/24	3975.12	-	-	54.11	0.00	3921.01
MW - 16	Manny	12/11/24	3975.12	57.62	-	54.12	0.00	3921.00
MW - 17		12/23/02	3975.93	-	-	54.41	0.00	3921.52
MW - 17		01/10/03	3975.93	-	-	54.35	0.00	3921.58
MW - 17		05/07/03	3975.93	-	-	54.35	0.00	3921.58
MW - 17		08/18/03	3975.93	-	-	54.36	0.00	3921.57
MW - 17		12/01/03	3975.93	-	-	54.47	0.00	3921.46
MW - 17		02/05/04	3975.93	-	-	54.44	0.00	3921.49
MW - 17		05/05/04	3975.93	-	-	54.42	0.00	3921.51
MW - 17		09/01/04	3975.93	-	-	54.50	0.00	3921.43
MW - 17		12/15/04	3975.93	-	-	54.44	0.00	3921.49
MW - 17		03/22/05	3975.93	-	-	54.23	0.00	3921.70
MW - 17		06/22/05	3975.93	-	-	54.13	0.00	3921.80
MW - 17		09/21/05	3975.93	-	-	54.56	0.00	3921.37
MW - 17		12/16/05	3975.93	-	-	54.00	0.00	3921.93
MW - 17		03/20/06	3975.93	-	-	53.94	0.00	3921.99
MW - 17		08/09/06	P&A	-	-	-	-	-
MW - 18		05/20/09	-	-	-	53.72	0.00	-
MW - 18		08/12/09	-	-	-	53.72	0.00	-
MW - 18		11/25/09	-	-	-	53.70	0.00	-
MW - 18		01/07/10	-	-	-	53.70	0.00	-
MW - 18		02/11/10	-	-	-	53.67	0.00	-
MW - 18		05/17/10	-	-	-	53.79	0.00	-
MW - 18		08/16/10	-	-	-	53.79	0.00	-
MW - 18		11/10/10	-	-	-	53.80	0.00	-
MW - 18		02/28/11	-	-	-	53.79	0.00	-
MW - 18		05/12/11	-	-	-	53.65	0.00	-
MW - 18		08/15/11	-	-	-	53.70	0.00	-
MW - 18		11/22/11	-	-	-	53.71	0.00	-
MW - 18		02/28/12	-	-	-	53.69	0.00	-
MW - 18		05/17/12	-	-	-	53.68	0.00	-
MW - 18		08/01/12	-	-	-	53.79	0.00	-
MW - 18		10/25/12	-	-	-	53.84	0.00	-
MW - 18		11/29/12	-	-	-	53.87	0.00	-
MW - 18		02/11/13	-	-	-	53.85	0.00	-
MW - 18		04/11/13	-	-	-	53.95	0.00	-
MW - 18		05/06/13	-	-	-	53.85	0.00	-
MW - 18		05/29/13	-	-	-	53.90	0.00	-
MW - 18		06/26/13	-	-	-	53.94	0.00	-
MW - 18		07/31/13	-	-	-	53.94	0.00	-
MW - 18		08/06/13	-	68.64	-	53.93	0.00	-
MW - 18		09/30/13	-	-	-	53.99	0.00	-
MW - 18		11/19/13	-	68.14	-	54.01	0.00	-
MW - 18	David/Jose	02/04/14	-	68.59	-	54.00	0.00	-
MW - 18	Manny & Chance	04/28/14	-	-	-	53.99	0.00	-
MW - 18		05/28/14	-	-	-	54.04	0.00	-
MW - 18		07/30/14	-	-	-	54.11	0.00	-
MW - 18	Manny & Chance	08/23/14	-	-	-	54.12	0.00	-
MW - 18	Manny	10/31/14	-	-	-	54.16	0.00	-
MW - 18	Manny	11/18/14	-	68.62	-	54.12	0.00	-
MW - 18	Manny	01/09/15	-	-	-	54.07	0.00	-
MW - 18	Manny	02/19/15	-	68.65	-	54.06	0.00	-
MW - 18	Chance/Art	03/31/15	-	-	-	54.06	0.00	-
MW - 18	Arthur/Carlos	04/09/15	-	-	-	54.03	0.00	-
MW - 18	Manny/ Arthur	05/12/15	-	68.43	-	54.02	0.00	-
MW - 18	Matt/Carlos	07/27/15	-	-	-	54.10	0.00	-
MW - 18	Manny/Matt	08/18/15	-	68.59	-	54.10	0.00	-
MW - 18	Carlos	10/08/15	-	-	-	54.15	0.00	-
MW - 18	Carlos	11/23/15	-	68.58	-	54.10	0.00	-
MW - 18	Carlos	01/12/16	-	-	-	54.10	0.00	-
MW - 18	Fernando/ Carlos	02/24/16	-	68.42	-	54.11	0.00	-

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LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
MW - 18	Fernando/ Carlos	06/13/16	-	68.40	-	54.12	0.00	-
MW - 18	Fernando	08/02/16	-	-	-	54.26	0.00	-
MW - 18	Carlos	11/28/16	-	68.34	-	54.16	0.00	-
MW - 18	Carlos	02/21/17	-	68.53	-	54.15	0.00	-
MW - 18	Jeremy	05/24/17	-	68.83	-	54.14	0.00	-
MW - 18	Jeremy/ Wesley	07/12/17	-	-	-	53.21	0.00	-
MW - 18	Jeremy	08/11/17	-	64.01	-	54.21	0.00	-
MW - 18	Jeremy	10/18/17	-	-	-	54.27	0.00	-
MW - 18	Jeremy/ Wesley	11/28/17	-	68.35	-	54.23	0.00	-
MW - 18	Jeremy	01/16/18	-	-	-	54.24	0.00	-
MW - 18	Jeremy	02/26/18	-	68.84	-	54.22	0.00	-
MW - 18	Jeremy	04/03/18	-	-	-	54.21	0.00	-
MW - 18	Jeremy	04/17/18	-	-	-	54.21	0.00	-
MW - 18	Jeremy	05/07/18	-	68.94	-	54.37	0.00	-
MW - 18	Jeremy	06/26/18	-	-	-	54.18	0.00	-
MW - 18	Jeremy	08/09/18	-	68.36	-	54.32	0.00	-
MW - 18	Jeremy	09/11/18	-	-	-	54.34	0.00	-
MW - 18	Jeremy/Derek	11/14/18	-	68.46	-	54.39	0.00	-
MW - 18	Jeremy	12/18/18	-	-	-	54.34	0.00	-
MW - 18	Jeremy	02/18/19	-	68.42	-	54.37	0.00	-
MW - 18	Jeremy	05/14/19	-	68.31	-	54.34	0.00	-
MW - 18	Jeremy	08/19/19	-	68.39	-	54.53	0.00	-
MW - 18	Jeremy	11/11/19	-	68.40	-	54.57	0.00	-
MW - 18	Elias	02/18/20	-	68.54	-	54.49	0.00	-
MW - 18	Scott	05/05/20	-	-	-	54.50	0.00	-
MW - 18	Manny	06/11/20	-	68.44	-	54.54	0.00	-
MW - 18	Manny	09/23/20	-	68.36	-	54.65	0.00	-
MW - 18	Manny	12/04/20	-	68.29	-	54.66	0.00	-
MW - 18	Manny	03/23/21	-	68.27	-	54.63	0.00	-
MW - 18	Manny	06/04/21	-	68.33	-	54.69	0.00	-
MW - 18	Manny	09/30/21	-	68.29	-	54.78	0.00	-
MW - 18	Manny	12/09/21	-	68.42	-	54.81	0.00	-
MW - 18	Manny	02/17/22	-	67.41	-	54.80	0.00	-
MW - 18	Manny	05/17/22	-	68.29	-	54.85	0.00	-
MW - 18	Manny	08/08/22	-	68.37	-	54.96	0.00	-
MW - 18	Manny	11/16/22	-	68.28	-	55.00	0.00	-
MW - 18	Manny	02/14/23	-	68.28	-	54.98	0.00	-
MW - 18	Manny	05/16/23	-	68.39	-	55.09	0.00	-
MW - 18	Manny	08/08/23	-	-	-	55.18	0.00	-
MW - 18	Manny	12/08/23	-	68.40	-	55.19	0.00	-
MW - 18	Manny	03/06/24	-	68.40	-	55.13	0.00	-
MW - 18	Manny	05/23/24	-	68.31	-	55.18	0.00	-
MW - 18	Manny	09/18/24	-	68.32	-	52.28	0.00	-
MW - 18	Manny	12/11/24	-	64.87	-	55.29	0.00	-
RW - 1		11/08/02	3970.79	-	48.44	51.55	3.11	3921.88
RW - 1		11/21/02	3970.79	-	49.01	49.04	0.03	3921.78
RW - 1		12/27/02	3970.79	-	48.48	51.37	2.89	3921.88
RW - 1		01/06/03	3970.79	-	49.48	51.13	1.65	3921.06
RW - 1		01/08/03	3970.79	-	48.46	51.20	2.74	3921.92
RW - 1		01/10/03	3970.79	-	48.95	48.97	0.02	3921.84
RW - 1		01/13/03	3970.79	-	48.65	50.36	1.71	3921.88
RW - 1		02/05/03	3970.79	-	48.51	51.32	2.81	3921.86
RW - 1		02/26/03	3970.79	-	48.41	51.34	2.93	3921.94
RW - 1		03/04/03	3970.79	-	48.41	51.34	2.93	3921.94
RW - 1		03/12/03	3970.79	-	48.44	51.41	2.97	3921.90
RW - 1		03/18/03	3970.79	-	48.51	51.51	3.00	3921.83
RW - 1		03/25/03	3970.79	-	48.85	49.04	0.19	3921.91
RW - 1		03/31/03	3970.79	-	48.92	49.07	0.15	3921.85
RW - 1		04/09/03	3970.79	-	48.97	49.00	0.03	3921.82
RW - 1		04/14/03	3970.79	-	sheen	48.99	0.00	3921.80
RW - 1		05/07/03	3970.79	-	48.39	51.12	2.73	3921.99
RW - 1		05/08/03	3970.79	-	48.46	51.21	2.75	3921.92
RW - 1		05/13/03	3970.79	-	48.49	51.32	2.83	3921.88
RW - 1		05/21/03	3970.79	-	48.57	51.36	2.79	3921.80
RW - 1		05/27/03	3970.79	-	48.44	51.27	2.83	3921.93
RW - 1		05/28/03	3970.79	-	48.54	51.45	2.91	3921.81
RW - 1		06/03/03	3970.79	-	48.52	51.48	2.96	3921.83
RW - 1		06/09/03	3970.79	-	48.46	51.40	2.94	3921.89
RW - 1		07/01/03	3970.79	-	48.51	51.40	2.89	3921.85
RW - 1		07/08/03	3970.79	-	48.53	49.37	0.84	3922.13
RW - 1		07/29/03	3970.79	-	48.43	51.24	2.81	3921.94

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 NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 1		08/04/03	3970.79	-	48.71	51.60	2.89	3921.65
RW - 1		08/18/03	3970.79	-	48.69	49.08	0.39	3922.04
RW - 1		08/25/03	3970.79	-	48.69	51.65	2.96	3921.66
RW - 1		10/01/03	3970.79	-	48.60	49.12	0.52	3922.11
RW - 1		10/06/03	3970.79	-	48.97	49.04	0.07	3921.81
RW - 1		10/08/03	3970.79	-	49.14	50.18	1.04	3921.49
RW - 1		10/15/03	3970.79	-	49.15	49.75	0.60	3921.55
RW - 1		11/12/03	3970.79	-	48.12	51.02	2.90	3922.24
RW - 1		11/19/03	3970.79	-	58.42	51.34	-7.08	3913.43
RW - 1		12/01/03	3970.79	-	49.21	50.49	1.28	3921.39
RW - 1		12/10/03	3970.79	-	48.68	50.92	2.24	3921.77
RW - 1		02/05/04	3970.79	-	49.18	51.71	2.53	3921.23
RW - 1		02/17/04	3970.79	-	48.71	51.51	2.80	3921.66
RW - 1		02/25/04	3970.79	-	49.15	51.67	2.52	3921.26
RW - 1		03/09/04	3970.79	-	48.60	49.32	0.72	3922.08
RW - 1		03/16/04	3970.79	-	48.62	50.13	1.51	3921.94
RW - 1		03/22/04	3970.79	-	48.79	51.92	3.13	3921.53
RW - 1		04/07/04	3970.79	-	48.70	49.22	0.52	3922.01
RW - 1		04/12/04	3970.79	-	48.68	51.04	2.36	3921.76
RW - 1		04/19/04	3970.79	-	48.61	49.10	0.49	3922.11
RW - 1		05/05/04	3970.79	-	48.70	51.51	2.81	3921.67
RW - 1		05/11/04	3970.79	-	48.83	51.77	2.94	3921.52
RW - 1		06/07/04	3970.79	-	48.43	51.31	2.88	3921.93
RW - 1		11/26/04	3970.79	-	48.50	51.30	2.80	3921.87
RW - 1		12/02/04	3970.79	-	48.53	51.22	2.69	3921.86
RW - 1		12/06/04	3970.79	-	48.72	51.03	2.31	3921.72
RW - 1		12/13/04	3970.79	-	48.96	51.10	2.14	3921.51
RW - 1		12/15/04	3970.79	-	48.96	51.10	2.14	3921.51
RW - 1		12/27/04	3970.79	-	48.46	51.20	2.74	3921.92
RW - 1		01/10/05	3970.79	-	48.40	51.00	2.60	3922.00
RW - 1		01/18/05	3970.79	-	48.55	51.05	2.50	3921.87
RW - 1		01/18/05	3970.79	-	48.75	49.35	0.60	3921.95
RW - 1		01/25/05	3970.79	-	48.44	50.55	2.11	3922.03
RW - 1		01/27/05	3970.79	-	48.52	51.10	2.58	3921.88
RW - 1		02/01/05	3970.79	-	48.50	50.25	1.75	3922.03
RW - 1		02/07/05	3970.79	-	48.45	50.30	1.85	3922.06
RW - 1		02/11/05	3970.79	-	48.47	50.27	1.80	3922.05
RW - 1		02/15/05	3970.79	-	48.35	50.34	1.99	3922.14
RW - 1		02/22/05	3970.79	-	48.30	50.79	2.49	3922.12
RW - 1		02/24/05	3970.79	-	48.27	50.79	2.52	3922.14
RW - 1		03/03/05	3970.79	-	48.52	50.85	2.33	3921.92
RW - 1		03/09/05	3970.79	-	48.55	50.87	2.32	3921.89
RW - 1		03/22/05	3970.79	-	48.25	50.95	2.70	3922.14
RW - 1		03/24/05	3970.79	-	48.25	50.95	2.70	3922.14
RW - 1		03/31/05	3970.79	-	48.28	50.91	2.63	3922.12
RW - 1		06/22/05	3970.79	-	48.28	50.18	1.90	3922.23
RW - 1		07/21/05	3970.79	-	48.15	50.82	2.67	3922.24
RW - 1		08/03/05	3970.79	-	48.13	50.76	2.63	3922.27
RW - 1		08/12/05	3970.79	-	48.13	50.78	2.65	3922.26
RW - 1		08/15/05	3970.79	-	48.22	50.24	2.02	3922.27
RW - 1		08/22/05	3970.79	-	48.13	50.51	2.38	3922.30
RW - 1		08/30/05	3970.79	-	48.14	50.62	2.48	3922.28
RW - 1		09/07/05	3970.79	-	48.14	50.55	2.41	3922.29
RW - 1		09/14/05	3970.79	-	48.20	50.55	2.35	3922.24
RW - 1		09/20/05	3970.79	-	48.16	50.40	2.24	3922.29
RW - 1		09/21/05	3970.79	-	48.22	50.56	2.34	3922.22
RW - 1		09/28/05	3970.79	-	48.12	50.55	2.43	3922.31
RW - 1		10/06/05	3970.79	-	48.16	50.51	2.35	3922.28
RW - 1		10/13/05	3970.79	-	48.15	50.49	2.34	3922.29
RW - 1		10/20/05	3970.79	-	48.19	50.40	2.21	3922.27
RW - 1		10/26/05	3970.79	-	48.18	50.35	2.17	3922.28
RW - 1		11/03/05	3970.79	-	48.10	50.50	2.40	3922.33
RW - 1		11/10/05	3970.79	-	48.11	50.54	2.43	3922.32
RW - 1		11/16/05	3970.79	-	48.13	50.40	2.27	3922.32
RW - 1		11/23/05	3970.79	-	48.17	50.37	2.20	3922.29
RW - 1		11/28/05	3970.79	-	48.08	50.50	2.42	3922.35
RW - 1		12/05/05	3970.79	-	48.19	50.30	2.11	3922.28
RW - 1		12/12/05	3970.79	-	48.15	50.33	2.18	3922.31
RW - 1		12/16/05	3970.79	-	48.84	49.98	1.14	3921.78
RW - 1		12/19/05	3970.79	-	48.21	50.35	2.14	3922.26
RW - 1		12/29/05	3970.79	-	48.12	50.41	2.29	3922.33
RW - 1		01/04/06	3970.79	-	48.14	50.40	2.26	3922.31

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 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 1		01/10/06	3970.79	-	48.10	50.53	2.43	3922.33
RW - 1		01/17/06	3970.79	-	48.10	50.45	2.35	3922.34
RW - 1		01/26/06	3970.79	-	48.10	50.45	2.35	3922.34
RW - 1		01/31/06	3970.79	-	48.10	50.42	2.32	3922.34
RW - 1		02/07/06	3970.79	-	48.11	50.34	2.23	3922.35
RW - 1		02/09/06	3970.79	-	48.12	50.43	2.31	3922.32
RW - 1		02/13/06	3970.79	-	48.12	50.45	2.33	3922.32
RW - 1		02/22/06	3970.79	-	48.13	50.47	2.34	3922.31
RW - 1		02/28/06	3970.79	-	48.11	50.46	2.35	3922.33
RW - 1		03/07/06	3970.79	-	48.13	50.39	2.26	3922.32
RW - 1		03/15/06	3970.79	-	48.09	50.36	2.27	3922.36
RW - 1		03/20/06	3970.79	-	48.10	50.27	2.17	3922.36
RW - 1		03/22/06	3970.79	-	48.14	50.43	2.29	3922.31
RW - 1		03/29/06	3970.79	-	48.09	50.40	2.31	3922.35
RW - 1		04/11/06	3970.79	-	47.96	50.37	2.41	3922.47
RW - 1		04/18/06	3970.79	-	48.02	50.31	2.29	3922.43
RW - 1		04/25/06	3970.79	-	48.05	50.29	2.24	3922.40
RW - 1		05/02/06	3970.79	-	48.00	50.31	2.31	3922.44
RW - 1		05/09/06	3970.79	-	48.03	50.21	2.18	3922.43
RW - 1		05/16/06	3970.79	-	48.05	50.22	2.17	3922.41
RW - 1		05/23/06	3970.79	-	48.03	50.20	2.17	3922.43
RW - 1		05/31/06	3970.79	-	48.06	50.18	2.12	3922.41
RW - 1		06/06/06	3970.79	-	48.10	50.09	1.99	3922.39
RW - 1		06/13/06	3970.79	-	48.05	50.05	2.00	3922.44
RW - 1		06/20/06	3970.79	-	48.10	50.10	2.00	3922.39
RW - 1		06/21/06	3970.79	-	48.26	49.08	0.82	3922.41
RW - 1		07/06/06	3970.79	-	48.09	50.18	2.09	3922.39
RW - 1		07/12/06	3970.79	-	48.06	50.17	2.11	3922.41
RW - 1		07/20/06	3970.79	-	49.89	50.16	0.27	3920.86
RW - 1		07/25/06	3970.79	-	48.01	50.21	2.20	3922.45
RW - 1		08/01/06	3970.79	-	48.01	50.23	2.22	3922.45
RW - 1		08/16/06	3970.79	-	48.01	50.25	2.24	3922.44
RW - 1		08/23/06	3970.79	-	48.06	50.11	2.05	3922.42
RW - 1		08/28/06	3970.79	-	48.03	50.03	2.00	3922.46
RW - 1		09/12/06	3970.79	-	48.09	49.80	1.71	3922.44
RW - 1		09/22/06	3970.79	-	48.14	49.90	1.76	3922.39
RW - 1		09/27/06	3970.79	-	48.20	49.60	1.40	3922.38
RW - 1		10/06/06	3970.79	-	48.04	50.00	1.96	3922.46
RW - 1		10/10/06	3970.79	-	48.20	49.34	1.14	3922.42
RW - 1		10/16/06	3970.79	-	48.13	49.52	1.39	3922.45
RW - 1		10/26/06	3970.79	-	48.05	49.83	1.78	3922.47
RW - 1		11/03/06	3970.79	-	48.18	49.70	1.52	3922.38
RW - 1		11/09/06	3970.79	-	48.10	49.60	1.50	3922.47
RW - 1		11/16/06	3970.79	-	48.19	49.16	0.97	3922.45
RW - 1		11/22/06	3970.79	-	48.20	49.56	1.36	3922.39
RW - 1		12/04/06	3970.79	-	48.10	49.84	1.74	3922.43
RW - 1		12/08/06	3970.79	-	48.08	49.99	1.91	3922.42
RW - 1		12/15/06	3970.79	-	48.09	49.53	1.44	3922.48
RW - 1		01/05/07	3970.79	-	48.05	50.10	2.05	3922.43
RW - 1		01/12/07	3970.79	-	48.13	49.70	1.57	3922.42
RW - 1		01/18/07	3970.79	-	48.11	49.51	1.40	3922.47
RW - 1		01/24/07	3970.79	-	48.18	49.46	1.28	3922.42
RW - 1		01/29/07	3970.79	-	48.21	49.33	1.12	3922.41
RW - 1		02/09/07	3970.79	-	48.03	48.05	0.02	3922.76
RW - 1		02/16/07	3970.79	-	48.10	49.77	1.67	3922.44
RW - 1		03/02/07	3970.79	-	48.00	49.82	1.82	3922.52
RW - 1		03/14/07	3970.79	-	48.11	49.20	1.09	3922.52
RW - 1		03/26/07	3970.79	-	48.09	49.42	1.33	3922.50
RW - 1		04/03/07	3970.79	-	47.99	49.80	1.81	3922.53
RW - 1		04/09/07	3970.79	-	48.01	49.60	1.59	3922.54
RW - 1		04/26/07	3970.79	-	47.96	49.87	1.91	3922.54
RW - 1		04/30/07	3970.79	-	48.14	49.05	0.91	3922.51
RW - 1		05/11/07	3970.79	-	48.01	49.65	1.64	3922.53
RW - 1		05/16/07	3970.79	-	48.14	49.07	0.93	3922.51
RW - 1		05/22/07	3970.79	-	48.08	49.03	0.95	3922.57
RW - 1		05/29/07	3970.79	-	48.06	49.29	1.23	3922.55
RW - 1		06/01/07	3970.79	-	48.00	49.46	1.46	3922.57
RW - 1		06/08/07	3970.79	-	48.03	49.37	1.34	3922.56
RW - 1		06/11/07	3970.79	-	48.17	49.00	0.83	3922.50
RW - 1		06/20/07	3970.79	-	48.00	49.50	1.50	3922.57
RW - 1		07/10/07	3970.79	-	48.01	49.56	1.55	3922.55
RW - 1		07/20/07	3970.79	-	47.99	49.60	1.61	3922.56

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 1		07/25/07	3970.79	-	48.04	49.22	1.18	3922.57
RW - 1		08/01/07	3970.79	-	48.02	49.24	1.22	3922.59
RW - 1		08/10/07	3970.79	-	48.02	49.37	1.35	3922.57
RW - 1		08/15/07	3970.79	-	48.03	49.16	1.13	3922.59
RW - 1		08/30/07	3970.79	-	47.97	49.61	1.64	3922.57
RW - 1		08/31/07	3970.79	-	47.97	49.61	1.64	3922.57
RW - 1		09/19/07	3970.79	-	47.92	49.73	1.81	3922.60
RW - 1		09/27/07	3970.79	-	47.98	49.39	1.41	3922.60
RW - 1		10/01/07	3970.79	-	48.02	49.06	1.04	3922.61
RW - 1		10/19/07	3970.79	-	47.92	49.62	1.70	3922.62
RW - 1		10/26/07	3970.79	-	47.97	49.39	1.42	3922.61
RW - 1		11/12/07	3970.79	-	47.93	49.58	1.65	3922.61
RW - 1		11/16/07	3970.79	-	47.92	49.31	1.39	3922.66
RW - 1		11/29/07	3970.79	-	47.92	50.01	2.09	3922.56
RW - 1		12/13/07	3970.79	-	47.90	49.54	1.64	3922.64
RW - 1		01/10/08	3970.79	-	47.90	49.50	1.60	3922.65
RW - 1		01/17/08	3970.79	-	47.92	49.37	1.45	3922.65
RW - 1		01/22/08	3970.79	-	47.90	49.43	1.53	3922.66
RW - 1		02/06/08	3970.79	-	47.09	49.05	1.96	3923.41
RW - 1		02/12/08	3970.79	-	48.01	48.91	0.90	3922.65
RW - 1		02/12/08	3970.79	-	48.19	48.21	0.02	3922.60
RW - 1		02/27/08	3970.79	-	48.00	48.98	0.98	3922.64
RW - 1		02/27/08	3970.79	-	48.15	48.21	0.06	3922.63
RW - 1		03/07/08	3970.79	-	47.92	49.21	1.29	3922.68
RW - 1		03/12/08	3970.79	-	47.92	49.21	1.29	3922.68
RW - 1		03/12/08	3970.79	-	48.04	48.31	0.27	3922.71
RW - 1		03/20/08	3970.79	-	48.23	48.50	0.27	3922.52
RW - 1		03/20/08	3970.79	-	48.10	48.45	0.35	3922.64
RW - 1		03/23/08	3970.79	-	47.99	48.99	1.00	3922.65
RW - 1		03/23/08	3970.79	-	48.17	48.21	0.04	3922.61
RW - 1		04/02/08	3970.79	-	47.98	48.92	0.94	3922.67
RW - 1		04/02/08	3970.79	-	48.09	48.42	0.33	3922.65
RW - 1		04/09/08	3970.79	-	47.95	48.98	1.03	3922.69
RW - 1		04/09/08	3970.79	-	48.12	48.15	0.03	3922.67
RW - 1		04/16/08	3970.79	-	47.98	48.87	0.89	3922.68
RW - 1		04/23/08	3970.79	-	47.98	48.91	0.93	3922.67
RW - 1		04/30/08	3970.79	-	47.92	49.07	1.15	3922.70
RW - 1		05/29/08	3970.79	-	47.97	48.85	0.88	3922.69
RW - 1		06/02/08	3970.79	-	47.99	48.70	0.71	3922.69
RW - 1		06/03/08	3970.79	-	47.99	48.70	0.71	3922.69
RW - 1		06/11/08	3970.79	-	47.91	48.99	1.08	3922.72
RW - 1		06/18/08	3970.79	-	47.96	48.84	0.88	3922.70
RW - 1		06/23/08	3970.79	-	47.99	48.70	0.71	3922.69
RW - 1		07/01/08	3970.79	-	47.94	49.02	1.08	3922.69
RW - 1		07/09/08	3970.79	-	47.95	48.91	0.96	3922.70
RW - 1		07/15/08	3970.79	-	47.98	48.76	0.78	3922.69
RW - 1		07/22/08	3970.79	-	47.94	49.00	1.06	3922.69
RW - 1		08/02/08	3970.79	-	47.92	48.96	1.04	3922.71
RW - 1		08/13/08	3970.79	-	47.90	49.03	1.13	3922.72
RW - 1		09/03/08	3970.79	-	47.83	49.22	1.39	3922.75
RW - 1		09/11/08	3970.79	-	47.94	48.86	0.92	3922.71
RW - 1		09/19/08	3970.79	-	47.91	48.85	0.94	3922.74
RW - 1		09/26/08	3970.79	-	47.89	49.00	1.11	3922.73
RW - 1		10/10/08	3970.79	-	47.91	48.84	0.93	3922.74
RW - 1		10/17/08	3970.79	-	47.74	47.93	0.19	3923.02
RW - 1		10/21/08	3970.79	-	47.95	48.52	0.57	3922.75
RW - 1		10/30/08	3970.79	-	47.89	48.95	1.06	3922.74
RW - 1		11/04/08	3970.79	-	48.00	48.61	0.61	3922.70
RW - 1		11/18/08	3970.79	-	47.91	49.03	1.12	3922.71
RW - 1		11/25/08	3970.79	-	47.90	49.12	1.22	3922.71
RW - 1		11/25/08	3970.79	-	48.70	48.72	0.02	3922.09
RW - 1		12/10/08	3970.79	-	47.87	49.05	1.18	3922.74
RW - 1		12/18/08	3970.79	-	47.84	49.10	1.26	3922.76
RW - 1		01/06/09	3970.79	-	47.84	49.07	1.23	3922.77
RW - 1		01/14/09	3970.79	-	47.09	48.75	1.66	3923.45
RW - 1		01/21/09	3970.79	-	47.91	48.84	0.93	3922.74
RW - 1		01/22/09	3970.79	-	48.00	48.21	0.21	3922.76
RW - 1		01/30/09	3970.79	-	47.91	48.74	0.83	3922.76
RW - 1		02/03/09	3970.79	-	47.99	48.57	0.58	3922.71
RW - 1		02/12/09	3970.79	-	47.89	48.91	1.02	3922.75
RW - 1		02/19/09	3970.79	-	47.85	49.00	1.15	3922.77
RW - 1		03/04/09	3970.79	-	47.92	48.97	1.05	3922.71

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 1		03/06/09	3970.79	-	47.82	49.00	1.18	3922.79
RW - 1		03/11/09	3970.79	-	47.94	48.60	0.66	3922.75
RW - 1		03/16/09	3970.79	-	47.95	49.00	1.05	3922.68
RW - 1		03/19/09	3970.79	-	47.90	48.72	0.82	3922.77
RW - 1		03/24/09	3970.79	-	47.89	48.49	0.60	3922.81
RW - 1		04/03/09	3970.79	-	47.85	48.90	1.05	3922.78
RW - 1		04/15/09	3970.79	-	47.86	48.80	0.94	3922.79
RW - 1		04/17/09	3970.79	-	47.98	48.25	0.27	3922.77
RW - 1		04/22/09	3970.79	-	47.83	48.88	1.05	3922.80
RW - 1		04/29/09	3970.79	-	47.84	48.79	0.95	3922.81
RW - 1		05/20/09	3970.79	-	47.82	48.88	1.06	3922.81
RW - 1		06/09/09	3970.79	-	47.82	48.95	1.13	3922.80
RW - 1		06/17/09	3970.79	-	47.88	48.81	0.93	3922.77
RW - 1		06/23/09	3970.79	-	47.83	48.87	1.04	3922.80
RW - 1		07/01/09	3970.79	-	47.82	48.88	1.06	3922.81
RW - 1		07/08/09	3970.79	-	47.89	48.61	0.72	3922.79
RW - 1		07/15/09	3970.79	-	47.86	48.64	0.78	3922.81
RW - 1		07/17/09	3970.79	-	47.91	48.60	0.69	3922.78
RW - 1		07/23/09	3970.79	-	47.83	48.88	1.05	3922.80
RW - 1		07/24/09	3970.79	-	47.96	48.17	0.21	3922.80
RW - 1		07/30/09	3970.79	-	47.91	48.60	0.69	3922.78
RW - 1		08/04/09	3970.79	-	47.91	48.48	0.57	3922.79
RW - 1		08/12/09	3970.79	-	47.88	48.73	0.85	3922.78
RW - 1		08/20/09	3970.79	-	47.92	48.75	0.83	3922.75
RW - 1		08/26/09	3970.79	-	47.83	48.80	0.97	3922.81
RW - 1		09/02/09	3970.79	-	47.87	48.75	0.88	3922.79
RW - 1		09/09/09	3970.79	-	47.90	48.61	0.71	3922.78
RW - 1		09/14/09	3970.79	-	47.92	48.45	0.53	3922.79
RW - 1		09/21/09	3970.79	-	47.86	48.71	0.85	3922.80
RW - 1		10/01/09	3970.79	-	47.88	48.84	0.96	3922.77
RW - 1		10/08/09	3970.79	-	47.90	48.76	0.86	3922.76
RW - 1		10/14/09	3970.79	-	47.87	48.70	0.83	3922.80
RW - 1		10/21/09	3970.79	-	47.82	48.59	0.77	3922.85
RW - 1		10/28/09	3970.79	-	47.85	48.69	0.84	3922.81
RW - 1		11/04/09	3970.79	-	47.90	48.63	0.73	3922.78
RW - 1		11/11/09	3970.79	-	47.87	48.60	0.73	3922.81
RW - 1		11/18/09	3970.79	-	47.88	48.61	0.73	3922.80
RW - 1		11/25/09	3970.79	-	47.90	48.58	0.68	3922.79
RW - 1		12/02/09	3970.79	-	47.86	48.80	0.94	3922.79
RW - 1		12/10/09	3970.79	-	47.87	48.61	0.74	3922.81
RW - 1		12/17/09	3970.79	-	47.94	48.59	0.65	3922.75
RW - 1		12/21/09	3970.79	-	47.87	48.52	0.65	3922.82
RW - 1		12/30/09	3970.79	-	48.02	48.49	0.47	3922.70
RW - 1		01/07/10	3970.79	-	47.95	48.20	0.25	3922.80
RW - 1		01/18/10	3970.79	-	47.91	48.28	0.37	3922.82
RW - 1		02/02/10	3970.79	-	47.88	48.55	0.67	3922.81
RW - 1		02/11/10	3970.79	-	47.84	48.51	0.67	3922.85
RW - 1		02/18/10	3970.79	-	47.82	48.60	0.78	3922.85
RW - 1		02/25/10	3970.79	-	47.99	48.34	0.35	3922.75
RW - 1		03/02/10	3970.79	-	48.05	48.28	0.23	3922.71
RW - 1		03/04/10	3970.79	-	47.97	48.10	0.13	3922.80
RW - 1		03/10/10	3970.79	-	47.93	48.26	0.33	3922.81
RW - 1		03/12/10	3970.79	-	47.98	48.37	0.39	3922.75
RW - 1		03/15/10	3970.79	-	48.00	48.10	0.10	3922.78
RW - 1		03/18/10	3970.79	-	47.88	48.42	0.54	3922.83
RW - 1		03/22/10	3970.79	-	48.00	48.23	0.23	3922.76
RW - 1		05/17/10	3970.79	-	50.39	50.48	0.09	3920.39
RW - 1		05/20/10	3970.79	-	50.08	50.39	0.31	3920.66
RW - 1		03/04/11	3970.79	-	50.30	50.62	0.32	3920.44
RW - 1		05/12/11	3970.79	-	48.55	49.30	0.75	3922.13
RW - 1		08/02/11	3970.79	-	51.80	52.10	0.30	3918.95
RW - 1		08/09/11	3970.79	-	49.80	50.42	0.62	3920.90
RW - 1		08/12/11	3970.79	-	-	49.20	0.00	3921.59
RW - 1		08/15/11	3970.79	-	-	49.20	0.00	3921.59
RW - 1		08/23/11	3970.79	-	51.60	52.30	0.70	3919.09
RW - 1		08/26/11	3970.79	-	48.11	48.90	0.79	3922.56
RW - 1		11/22/11	3970.79	-	49.10	50.04	0.94	3921.55
RW - 1		12/02/11	3970.79	-	47.82	48.80	0.98	3922.82
RW - 1		12/29/11	3970.79	-	47.93	48.66	0.73	3922.75
RW - 1		01/26/12	3970.79	-	48.75	50.46	1.71	3921.78
RW - 1		02/28/12	3970.79	-	49.24	51.24	2.00	3921.25
RW - 1		05/17/12	3970.79	-	47.82	49.02	1.20	3922.79

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 1		08/01/12	3970.79	-	47.94	49.13	1.19	3922.67
RW - 1		10/25/12	3970.79	-	47.96	49.39	1.43	3922.62
RW - 1		11/29/12	3970.79	-	47.97	49.62	1.65	3922.57
RW - 1		02/11/13	3970.79	-	47.86	49.79	1.93	3922.64
RW - 1		03/18/13	3970.79	-	-	-	-	-
RW - 1		04/11/13	3970.79	-	-	48.41	0.00	3922.38
RW - 1		05/06/13	3970.79	-	47.98	49.25	1.27	3922.62
RW - 1		05/29/13	3970.79	-	-	48.33	0.00	3922.46
RW - 1		06/26/13	3970.79	-	-	49.73	0.00	3921.06
RW - 1		07/31/13	3970.79	-	48.13	49.15	1.02	3922.51
RW - 1		08/06/13	3970.79	-	48.30	48.37	0.07	3922.48
RW - 1		09/30/13	3970.79	60.43	48.21	48.96	0.75	3922.47
RW - 1		11/18/13	3970.79	-	48.23	48.76	0.53	3922.48
RW - 1	David/Jose	02/04/14	3970.79	-	48.29	48.54	0.25	3922.46
RW - 1		05/28/14	3970.79	-	48.18	49.66	1.48	3922.39
RW - 1	Manny & Chance	07/30/14	3970.79	-	48.36	48.44	0.08	3922.42
RW - 1	Manny & Chance	08/23/14	3970.79	-	-	49.66	0.00	3921.13
RW - 1	Manny & Chance	09/10/14	3970.79	-	48.50	48.80	0.30	3922.25
RW - 1	Manny	09/15/14	-	-	-	-	-	-
RW - 1	Manny	09/23/14	3970.79	-	48.59	48.79	0.20	3922.17
RW - 1	Manny	10/31/14	3970.79	-	48.32	48.60	0.28	3922.43
RW - 1	Manny	11/18/14	3970.79	-	48.42	48.60	0.18	3922.34
RW - 1	Chance	01/05/15	3970.79	-	52.80	53.17	0.37	3917.93
RW - 1	Manny	01/09/15	3970.79	-	48.29	48.98	0.69	3922.40
RW - 1	Carlos	01/14/15	3970.79	-	48.31	49.15	0.84	3922.35
RW - 1	Chance/Carlos	01/21/15	3970.79	-	52.84	53.18	0.34	3917.90
RW - 1	Carlos/Matt	02/11/15	3970.79	-	52.83	53.18	0.35	3917.91
RW - 1	Manny	02/19/15	3970.79	-	49.00	50.10	1.10	3921.63
RW - 1	Carlos/Art	03/09/15	3970.79	-	52.86	53.20	0.34	3917.88
RW - 1	Carlos/Matt	03/11/15	3970.79	-	53.13	53.48	0.35	3917.61
RW - 1	Chance/Art	03/31/15	3970.79	-	52.86	53.20	0.34	3917.88
RW - 1	Arthur/Carlos	04/09/15	3970.79	-	48.34	48.40	0.06	3922.44
RW - 1	Carlos	04/15/15	3970.79	-	48.31	48.45	0.14	3922.46
RW - 1	Carlos	04/22/15	3970.79	-	48.33	48.64	0.31	3922.41
RW - 1	Manny/ Arthur	05/12/15	3970.79	-	48.29	48.87	0.58	3922.41
RW - 1	Chance/ Carlos	05/26/15	3970.79	-	52.81	53.15	0.34	3917.93
RW - 1	Carlos	06/01/15	3970.79	-	48.28	48.81	0.53	3922.43
RW - 1	Arthur/ Chance	06/04/15	3970.79	-	48.28	48.66	0.38	3922.45
RW - 1	Matt/Carlos	07/27/15	3970.79	-	48.45	49.07	0.62	3922.25
RW - 1	Manny/Matt	08/18/15	3970.79	-	48.14	49.39	1.25	3922.46
RW - 1	Carlos	10/08/15	3970.79	-	48.48	49.13	0.65	3922.21
RW - 1	Fernando	10/21/15	3970.79	-	48.35	48.39	0.04	3922.43
RW - 1	Carlos	11/23/15	3970.79	-	48.38	49.57	1.19	3922.23
RW - 1	Carlos	01/12/16	3970.79	-	48.46	50.10	1.64	3922.08
RW - 1	Fernando	02/11/16	3970.79	-	48.13	50.00	1.87	3922.38
RW - 1	Fernando/ Carlos	02/24/16	3970.79	-	48.12	49.96	1.84	3922.39
RW - 1	Carlos	06/13/16	3970.79	-	48.90	50.95	2.05	3921.58
RW - 1	Fernando	08/02/16	3970.79	-	48.20	50.17	1.97	3922.29
RW - 1	Carlos	11/28/16	3970.79	-	48.27	49.78	1.51	3922.29
RW - 1	Carlos	02/21/17	3970.79	-	48.19	50.16	1.97	3922.30
RW - 1	Jeremy	05/24/17	3970.79	-	48.18	50.29	2.11	3922.29
RW - 1	Jeremy/ Wesley	07/12/17	3970.79	64.82	48.89	49.91	1.02	3921.75
RW - 1	Jeremy	08/11/17	3970.79	-	48.83	49.81	0.98	3921.81
RW - 1	Jeremy	10/18/17	3970.79	-	49.55	52.18	2.63	3920.85
RW - 1	Jeremy/ Wesley	11/28/17	3970.79	-	48.29	50.28	1.99	3922.20
RW - 1	Jeremy	12/19/17	3970.79	62.19	48.30	49.92	1.62	3922.25
RW - 1	Jeremy	01/16/18	3970.79	-	48.30	50.21	1.91	3922.20
RW - 1	Jeremy	02/26/18	3970.79	-	48.40	49.40	1.00	3922.24
RW - 1	Jeremy	04/03/18	3970.79	-	48.42	49.36	0.94	3922.23
RW - 1	Jeremy	04/17/18	3970.79	-	48.23	50.00	1.77	3922.29
RW - 1	Jeremy	05/07/18	3970.79	-	48.41	49.56	1.15	3922.21
RW - 1	Jeremy	06/26/18	3970.79	-	48.31	50.16	1.85	3922.20
RW - 1	Jeremy	07/12/18	3970.79	-	48.61	50.52	1.91	3921.89
RW - 1	Jeremy/ Fernando	08/01/18	3970.79	-	48.29	49.89	1.60	3922.26
RW - 1	Jeremy	08/09/18	3970.79	-	48.34	49.49	1.15	3922.28
RW - 1	Wesley	08/23/18	3970.79	-	48.30	50.23	1.93	3922.20
RW - 1	Jeremy	08/30/18	3970.79	-	48.41	50.04	1.63	3922.14
RW - 1	Jeremy	08/31/18	3970.79	-	48.54	49.82	1.28	3922.06
RW - 1	Jeremy	09/11/18	3970.79	-	48.51	49.33	0.82	3922.16
RW - 1	Jeremy	09/13/18	3970.79	-	48.52	49.51	0.99	3922.12
RW - 1	Jeremy	09/19/18	3970.79	-	48.54	49.29	0.75	3922.14
RW - 1	Jeremy	09/26/18	3970.79	-	48.51	49.53	1.02	3922.13

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HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOC INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 1	Jeremy	10/04/18	3970.79	-	48.47	49.50	1.03	3922.17
RW - 1	Jeremy/Derek	11/14/18	3970.79	-	48.44	48.73	0.29	3922.31
RW - 1	Jeremy	12/18/18	3970.79	-	48.99	50.92	1.93	3921.51
RW - 1	Jeremy	02/18/19	3970.79	-	48.59	50.57	1.98	3921.90
RW - 1	Jeremy	05/14/19	3970.79	-	48.27	49.66	1.39	3922.31
RW - 1	Jeremy	08/19/19	3970.79	-	49.63	50.51	0.88	3921.03
RW - 1	Jeremy	11/11/19	3970.79	-	49.65	50.54	0.89	3921.01
RW - 1	Fernando	01/08/20	3970.79	64.75	48.45	50.49	2.04	3922.03
RW - 1	Elias	02/18/20	3970.79	-	48.49	50.49	2.00	3922.00
RW - 1	Scott	05/05/20	3970.79	-	48.42	50.49	2.07	3922.06
RW - 1	Manny	06/11/20	3970.79	-	48.50	50.99	2.49	3921.92
RW - 1	Manny	09/23/20	3970.79	-	48.53	51.31	2.78	3921.84
RW - 1	Manny	12/04/20	3970.79	-	48.59	51.05	2.46	3921.83
RW - 1	Manny	03/23/21	3970.79	60.15	48.48	51.50	3.02	3921.86
RW - 1	Manny	06/04/21	3970.79	-	48.46	51.76	3.30	3921.84
RW - 1	Manny	09/30/21	3970.79	-	48.57	51.95	3.38	3921.71
RW - 1	Manny	12/09/21	3970.79	61.68	48.92	50.28	1.36	3921.67
RW - 1	Manny	02/17/22	3970.79	-	48.60	52.01	3.41	3921.68
RW - 1	Manny	05/18/22	3970.79	-	48.60	52.27	3.67	3921.64
RW - 1	Manny	08/09/22	3970.79	-	48.65	52.60	3.95	3921.55
RW - 1	Manny	11/14/22	3970.79	-	48.88	51.90	3.02	3921.46
RW - 1	Manny	02/14/23	3970.79	-	48.75	52.50	3.75	3921.48
RW - 1	Manny	05/16/23	3970.79	-	49.21	50.62	1.41	3921.37
RW - 1	Manny	08/08/23	3970.79	-	49.03	51.75	2.72	3921.35
RW - 1	Manny	12/07/23	3970.79	-	48.98	52.60	3.62	3921.27
RW - 1	Manny	03/06/24	3970.79	-	48.85	52.80	3.95	3921.35
RW - 1	Manny	05/23/24	3970.79	-	48.88	52.80	3.92	3921.32
RW - 1	Manny	09/18/24	3970.79	-	49.05	49.15	0.10	3921.73
RW - 1	Manny	12/11/24	3970.79	57.62	48.91	52.87	3.96	3921.29
RW - 2		05/20/10	-	-	-	54.42	0.00	-
RW - 2		03/04/11	-	-	sheen	54.05	0.00	-
RW - 2		05/12/11	-	-	-	52.69	0.00	-
RW - 2		08/02/11	-	-	sheen	55.00	0.00	-
RW - 2		08/09/11	-	-	sheen	55.50	0.00	-
RW - 2		08/12/11	-	-	sheen	54.07	0.00	-
RW - 2		08/15/11	-	-	sheen	54.01	0.00	-
RW - 2		08/23/11	-	-	sheen	53.92	0.00	-
RW - 2		08/26/11	-	-	sheen	52.75	0.00	-
RW - 2		12/02/11	-	-	52.60	52.93	0.33	-
RW - 2		12/29/11	-	-	52.62	52.96	0.34	-
RW - 2		01/26/12	-	-	52.89	53.13	0.24	-
RW - 2		02/28/12	-	-	52.55	53.18	0.63	-
RW - 2		05/17/12	-	-	52.47	53.31	0.84	-
RW - 2		08/01/12	-	-	52.59	53.42	0.83	-
RW - 2		10/25/12	-	-	52.65	53.53	0.88	-
RW - 2		11/29/12	-	-	52.73	53.56	0.83	-
RW - 2		02/11/13	-	-	52.76	52.86	0.10	-
RW - 2		03/18/13	-	-	-	-	-	-
RW - 2		04/11/13	-	-	53.05	53.07	0.02	-
RW - 2		05/06/13	-	-	52.77	52.89	0.12	-
RW - 2		05/29/13	-	-	53.00	53.09	0.09	-
RW - 2		06/26/13	-	-	53.04	53.29	0.25	-
RW - 2		07/31/13	-	-	52.89	53.09	0.20	-
RW - 2		08/06/13	-	-	52.89	53.03	0.14	-
RW - 2		09/30/13	-	68.85	52.95	53.14	0.19	-
RW - 2		11/18/13	-	-	52.90	53.18	0.28	-
RW - 2	David/Jose	02/04/14	-	-	52.86	53.19	0.33	-
RW - 2	Manny & Chance	04/28/14	-	-	52.83	53.41	0.58	-
RW - 2		05/28/14	-	-	52.96	53.35	0.39	-
RW - 2	Manny & Chance	07/30/14	-	-	53.10	53.28	0.18	-
RW - 2	Manny & Chance	08/23/14	-	-	53.35	53.47	0.12	-
RW - 2	Manny & Chance	09/10/14	-	-	53.07	53.40	0.33	-
RW - 2	Manny	09/15/14	-	-	-	-	-	-
RW - 2	Manny	09/23/14	-	-	53.00	53.30	0.30	-
RW - 2	Manny	10/31/14	-	-	52.99	53.24	0.25	-
RW - 2	Manny	11/18/14	-	-	52.90	53.27	0.37	-
RW - 2	Chance	01/05/15	-	-	52.73	53.48	0.75	-
RW - 2	Manny	01/09/15	-	-	52.98	53.15	0.17	-
RW - 2	Carlos	01/14/15	-	-	53.00	53.17	0.17	-
RW - 2	Chance/Carlos	01/21/15	-	-	52.76	53.47	0.71	-
RW - 2	Carlos/Matt	02/11/15	-	-	52.74	53.46	0.72	-

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 2	Manny/Art	02/19/15	-	-	53.28	53.32	0.04	-
RW - 2	Carlos	03/09/15	-	-	52.73	53.46	0.73	-
RW - 2	Carlos/Matt	03/11/15	-	-	52.96	53.14	0.18	-
RW - 2	Chance/Art	03/31/15	-	-	52.77	53.49	0.72	-
RW - 2	Arthur/Carlos	04/09/15	-	-	52.93	53.12	0.19	-
RW - 2	Carlos	04/15/15	-	-	52.93	53.23	0.30	-
RW - 2	Carlos	04/22/15	-	-	52.92	53.22	0.30	-
RW - 2	Manny/ Arthur	05/12/15	-	-	52.98	53.15	0.17	-
RW - 2	Chance/ Carlos	05/26/15	-	-	52.74	53.45	0.71	-
RW - 2	Carlos	06/01/15	-	-	52.96	53.08	0.12	-
RW - 2	Arthur/ Chance	06/04/15	-	-	52.96	53.13	0.17	-
RW - 2	Matt/Carlos	07/27/15	-	-	53.14	53.19	0.05	-
RW - 2	Manny/Matt	08/18/15	-	-	52.95	53.11	0.16	-
RW - 2	Carlos	10/08/15	-	-	53.17	53.65	0.48	-
RW - 2	Fernando	10/21/15	-	-	53.02	53.45	0.43	-
RW - 2	Carlos	11/23/15	-	-	52.45	53.60	1.15	-
RW - 2	Carlos	01/12/16	-	-	53.09	53.42	0.33	-
RW - 2	Fernando	02/11/16	-	-	52.99	53.52	0.53	-
RW - 2	Fernando/ Carlos	02/24/16	-	-	51.90	53.58	1.68	-
RW - 2	Carlos	06/13/16	-	-	52.99	53.29	0.30	-
RW - 2	Fernando	08/02/16	-	-	53.09	53.56	0.47	-
RW - 2	Carlos	11/28/16	-	-	53.03	53.38	0.35	-
RW - 2	Carlos	02/21/17	-	-	53.01	53.30	0.29	-
RW - 2	Jeremy	05/24/17	-	-	53.02	53.37	0.35	-
RW - 2	Jeremy/ Wesley	07/12/17	-	-	53.02	53.37	0.35	-
RW - 2	Jeremy	10/18/17	-	-	53.14	53.71	0.57	-
RW - 2	Jeremy/ Wesley	11/28/17	-	-	53.10	53.64	0.54	-
RW - 2	Jeremy	12/19/17	-	68.98	53.10	53.65	0.55	-
RW - 2	Jeremy	01/16/18	-	-	53.12	53.53	0.41	-
RW - 2	Jeremy	02/26/18	-	-	53.22	53.54	0.32	-
RW - 2	Jeremy	04/03/18	-	-	53.24	53.57	0.33	-
RW - 2	Jeremy	04/17/18	-	-	53.08	53.47	0.39	-
RW - 2	Jeremy	05/07/18	-	-	53.18	53.54	0.36	-
RW - 2	Jeremy	06/26/18	-	-	53.11	53.53	0.42	-
RW - 2	Jeremy	07/12/18	-	-	53.16	53.59	0.43	-
RW - 2	Jeremy/ Fernando	08/01/18	-	-	53.23	53.70	0.47	-
RW - 2	Jeremy	08/09/18	-	-	52.17	53.64	1.47	-
RW - 2	Wesley	08/23/18	-	-	53.18	53.69	0.51	-
RW - 2	Jeremy	08/30/18	-	-	53.21	53.78	0.57	-
RW - 2	Jeremy	08/31/18	-	-	53.21	53.67	0.46	-
RW - 2	Jeremy	08/31/18	-	-	53.61	54.84	1.23	-
RW - 2	Jeremy	09/11/18	-	-	53.27	53.39	0.12	-
RW - 2	Jeremy	09/13/18	-	-	53.29	53.35	0.06	-
RW - 2	Jeremy	09/19/18	-	-	53.27	53.35	0.08	-
RW - 2	Jeremy	09/26/18	-	-	53.26	53.36	0.10	-
RW - 2	Jeremy	10/04/18	-	-	53.28	53.33	0.05	-
RW - 2	Jeremy/Derek	11/14/18	-	-	53.29	53.32	0.03	-
RW - 2	Jeremy	12/18/18	-	-	53.27	53.37	0.10	-
RW - 2	Jeremy	02/18/19	-	-	53.27	53.38	0.11	-
RW - 2	Jeremy	05/14/19	-	-	53.25	53.40	0.15	-
RW - 2	Jeremy	08/19/19	-	-	53.34	53.43	0.09	-
RW - 2	Jeremy	11/11/19	-	-	53.34	53.48	0.14	-
RW - 2	Fernando	01/08/20	-	68.40	53.38	53.62	0.24	-
RW - 2	Elias	02/18/20	-	-	53.42	53.63	0.21	-
RW - 2	Scott	05/05/20	-	-	53.37	53.71	0.34	-
RW - 2	Manny	06/11/20	-	-	53.41	53.80	0.39	-
RW - 2	Manny	09/23/20	-	-	53.55	53.61	0.06	-
RW - 2	Manny	12/04/20	-	-	53.57	53.58	0.01	-
RW - 2	Manny	03/23/21	-	68.45	53.57	53.80	0.23	-
RW - 2	Manny	06/04/21	-	-	53.48	54.27	0.79	-
RW - 2	Manny	09/30/21	-	-	53.53	54.89	1.36	-
RW - 2	Manny	12/09/21	-	68.50	53.68	54.14	0.46	-
RW - 2	Manny	02/17/22	-	-	53.63	54.39	0.76	-
RW - 2	Manny	05/18/22	-	-	53.56	54.97	1.41	-
RW - 2	Manny	08/09/22	-	-	53.57	55.49	1.92	-
RW - 2	Manny	11/14/22	-	-	53.70	55.53	1.83	-
RW - 2	Manny	02/14/23	-	-	53.64	55.91	2.27	-
RW - 2	Manny	05/16/23	-	-	53.60	56.10	2.50	-
RW - 2	Manny	08/08/23	-	-	53.65	56.34	2.69	-
RW - 2	Manny	12/07/23	-	-	53.67	56.59	2.92	-
RW - 2	Manny	03/06/24	-	-	53.60	56.59	2.99	-
RW - 2	Manny	04/24/24	-	-	53.20	54.26	1.06	-

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PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
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NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 2	Manny	05/23/24	-	-	53.62	56.72	3.10	-
RW - 2	Manny	09/18/24	-	-	53.70	56.95	3.25	-
RW - 2	Manny	12/11/24	-	68.25	53.17	57.05	3.88	-
RW - 3		05/20/10	-	-	54.73	58.80	4.07	-
RW - 3		03/04/11	-	-	54.66	55.70	1.04	-
RW - 3		05/12/11	-	-	53.84	54.65	0.81	-
RW - 3		08/02/11	-	-	54.35	55.32	0.97	-
RW - 3		08/09/11	-	-	54.24	55.50	1.26	-
RW - 3		08/12/11	-	-	54.26	55.65	1.39	-
RW - 3		08/15/11	-	-	54.24	55.50	1.26	-
RW - 3		08/23/11	-	-	53.92	54.85	0.93	-
RW - 3		08/26/11	-	-	53.07	53.95	0.88	-
RW - 3		12/02/11	-	-	53.01	53.97	0.96	-
RW - 3		12/29/11	-	-	53.11	53.84	0.73	-
RW - 3		01/26/12	-	-	53.55	54.08	0.53	-
RW - 3		02/28/12	-	-	53.00	54.14	1.14	-
RW - 3		05/17/12	-	-	53.10	53.62	0.52	-
RW - 3		08/01/12	-	-	53.22	53.74	0.52	-
RW - 3		10/25/12	-	-	53.13	54.32	1.19	-
RW - 3		11/29/12	-	-	53.26	53.87	0.61	-
RW - 3		02/11/13	-	-	53.16	54.00	0.84	-
RW - 3		03/18/13	-	-	-	-	-	-
RW - 3		04/11/13	-	-	53.44	54.19	0.75	-
RW - 3		05/06/13	-	-	53.18	54.10	0.92	-
RW - 3		05/29/13	-	-	53.35	54.16	0.81	-
RW - 3		06/26/13	-	-	53.38	54.26	0.88	-
RW - 3		07/31/13	-	-	53.20	54.55	1.35	-
RW - 3		08/06/13	-	-	53.19	54.66	1.47	-
RW - 3		09/30/13	-	69.33	53.27	54.71	1.44	-
RW - 3		11/18/13	-	-	52.22	53.72	1.50	-
RW - 3	David/Jose	02/04/14	-	-	53.24	54.21	0.97	-
RW - 3	Manny & Chance	04/28/14	-	-	53.12	55.14	2.02	-
RW - 3		05/28/14	-	-	53.19	55.55	2.36	-
RW - 3	Manny & Chance	07/30/14	-	-	52.58	53.03	0.45	-
RW - 3	Manny & Chance	08/23/14	-	-	52.98	53.71	0.73	-
RW - 3	Manny & Chance	09/10/14	-	-	53.62	53.78	0.16	-
RW - 3	Manny	09/15/14	-	-	-	-	-	-
RW - 3	Manny	09/23/14	-	-	53.58	53.98	0.40	-
RW - 3	Manny	10/31/14	-	-	53.53	53.67	0.14	-
RW - 3	Manny	11/18/14	-	-	53.55	53.73	0.18	-
RW - 3	Chance	01/05/15	-	-	52.77	53.54	0.77	-
RW - 3	Manny	01/09/15	-	-	53.48	53.86	0.38	-
RW - 3	Carlos	01/14/15	-	-	53.48	53.86	0.38	-
RW - 3	Chance/Carlos	01/21/15	-	-	52.78	53.56	0.78	-
RW - 3	Carlos/Matt	02/11/15	-	-	52.77	53.54	0.77	-
RW - 3	Manny/Art	02/19/15	-	-	53.47	53.98	0.51	-
RW - 3	Carlos/Art	03/09/15	-	-	52.75	53.55	0.80	-
RW - 3	Carlos/Matt	03/11/15	-	-	53.42	54.14	0.72	-
RW - 3	Chance/Art	03/31/15	-	-	52.78	53.57	0.79	-
RW - 3	Arthur/Carlos	04/09/15	-	-	53.36	54.20	0.84	-
RW - 3	Carlos	04/15/15	-	-	53.34	54.30	0.96	-
RW - 3	Carlos	04/22/15	-	-	53.33	54.34	1.01	-
RW - 3	Manny/ Arthur	05/12/15	-	-	53.39	54.10	0.71	-
RW - 3	Chance/ Carlos	05/26/15	-	-	52.84	53.52	0.68	-
RW - 3	Carlos	06/01/15	-	-	53.42	54.02	0.60	-
RW - 3	Arthur/ Chance	06/04/15	-	-	53.40	54.04	0.64	-
RW - 3	Matt/Carlos	07/27/15	-	-	53.48	54.45	0.97	-
RW - 3	Manny/Matt	08/18/15	-	-	53.09	54.45	1.36	-
RW - 3	Carlos	10/08/15	-	-	53.38	54.99	1.61	-
RW - 3	Fernando	10/21/15	-	-	53.28	55.05	1.77	-
RW - 3	Carlos	11/23/15	-	-	52.55	52.57	0.02	-
RW - 3	Carlos	01/12/16	-	-	53.35	55.10	1.75	-
RW - 3	Fernando	02/11/16	-	-	53.48	54.18	0.70	-
RW - 3	Fernando/ Carlos	02/24/16	-	-	53.48	54.05	0.57	-
RW - 3	Carlos	06/13/16	-	-	53.43	54.46	1.03	-
RW - 3	Fernando	08/02/16	-	-	53.49	54.46	0.97	-
RW - 3	Carlos	11/28/16	-	-	53.44	54.37	0.93	-
RW - 3	Carlos	02/21/17	-	-	53.39	54.63	1.24	-
RW - 3	Jeremy	05/24/17	-	-	53.34	54.88	1.54	-
RW - 3	Jeremy/ Wesley	07/12/17	-	-	53.37	54.90	1.53	-
RW - 3	Jeremy	08/11/17	-	-	53.57	54.85	1.28	-

TABLE 4
HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 3	Jeremy	10/18/17	-	-	53.52	55.25	1.73	-
RW - 3	Jeremy/ Wesley	11/28/17	-	-	53.43	55.04	1.61	-
RW - 3	Jeremy	12/19/17	-	70.54	53.44	55.07	1.63	-
RW - 3	Jeremy	01/16/18	-	-	53.46	55.02	1.56	-
RW - 3	Jeremy	02/26/18	-	-	53.52	54.40	0.88	-
RW - 3	Jeremy	04/03/18	-	-	53.42	55.16	1.74	-
RW - 3	Jeremy	04/17/18	-	-	53.43	54.97	1.54	-
RW - 3	Jeremy	05/07/18	-	-	53.52	54.15	0.63	-
RW - 3	Jeremy	06/26/18	-	-	53.52	54.83	1.31	-
RW - 3	Jeremy	07/12/18	-	-	53.51	55.10	1.59	-
RW - 3	Jeremy/ Fernando	08/01/18	-	-	53.51	55.25	1.74	-
RW - 3	Jeremy	08/09/18	-	-	53.62	54.59	0.97	-
RW - 3	Wesley	08/23/18	-	-	53.64	54.74	1.10	-
RW - 3	Jeremy	08/30/18	-	-	53.62	54.80	1.18	-
RW - 3	Jeremy	09/11/18	-	-	53.76	54.11	0.35	-
RW - 3	Jeremy	09/13/18	-	-	53.75	54.09	0.34	-
RW - 3	Jeremy	09/19/18	-	-	53.78	54.05	0.27	-
RW - 3	Jeremy	09/26/18	-	-	53.77	54.10	0.33	-
RW - 3	Jeremy	10/04/18	-	-	53.76	54.12	0.36	-
RW - 3	Jeremy/Derek	11/14/18	-	-	53.72	53.88	0.16	-
RW - 3	Jeremy	12/18/18	-	-	53.66	54.65	0.99	-
RW - 3	Jeremy	02/18/19	-	-	53.49	55.01	1.52	-
RW - 3	Jeremy	05/14/19	-	-	53.46	55.46	2.00	-
RW - 3	Jeremy	08/19/19	-	-	53.67	55.63	1.96	-
RW - 3	Jeremy	11/11/19	-	-	53.72	55.64	1.92	-
RW - 3	Fernando	01/08/20	-	69.14	53.55	55.95	2.40	-
RW - 3	Elias	02/18/20	-	-	53.63	55.94	2.31	-
RW - 3	Scott	05/05/20	-	-	53.59	55.91	2.32	-
RW - 3	Manny	06/11/20	-	-	53.57	56.12	2.55	-
RW - 3	Manny	09/23/20	-	-	53.60	56.63	3.03	-
RW - 3	Manny	12/04/20	-	-	53.61	56.62	3.01	-
RW - 3	Manny	03/23/21	-	68.35	53.70	56.36	2.66	-
RW - 3	Manny	06/04/21	-	-	53.60	56.89	3.29	-
RW - 3	Manny	08/12/21	-	-	53.65	57.00	3.35	-
RW - 3	Manny	09/30/21	-	-	53.76	56.98	3.22	-
RW - 3	Manny	12/09/21	-	69.05	54.10	55.23	1.13	-
RW - 3	Manny	02/17/22	-	-	53.85	56.71	2.86	-
RW - 3	Manny	05/18/22	-	-	53.75	57.17	3.42	-
RW - 3	Manny	06/30/22	-	-	53.87	57.09	3.22	-
RW - 3	Manny	07/20/22	-	-	54.00	56.59	2.59	-
RW - 3	Manny	07/26/22	-	-	54.20	55.64	1.44	-
RW - 3	Manny	08/09/22	-	-	54.13	55.87	1.74	-
RW - 3	Manny	09/27/22	-	-	53.98	57.09	3.11	-
RW - 3	Manny	10/06/22	-	-	54.14	56.27	2.13	-
RW - 3	Manny	11/14/22	-	-	54.15	56.36	2.21	-
RW - 3	Manny	01/12/23	-	-	54.00	57.18	3.18	-
RW - 3	Manny	02/14/23	-	-	54.13	56.57	2.44	-
RW - 3	Manny	03/02/23	-	-	54.15	56.90	2.75	-
RW - 3	Manny	03/28/23	-	-	54.26	55.91	1.65	-
RW - 3	Manny	04/11/23	-	-	54.29	55.69	1.40	-
RW - 3	Manny	05/16/23	-	-	54.19	56.32	2.13	-
RW - 3	Manny	08/08/23	-	-	54.16	56.85	2.69	-
RW - 3	Manny	12/07/23	-	-	54.21	57.02	2.81	-
RW - 3	Manny	03/06/24	-	-	54.01	57.65	3.64	-
RW - 3	Manny	05/23/24	-	-	54.03	57.81	3.78	-
RW - 3	Manny	09/18/24	-	-	54.09	58.05	3.96	-
RW - 3	Manny	12/11/24	-	69.42	54.12	58.21	4.09	-
RW - 4		05/20/10	-	-	55.62	59.23	3.61	-
RW - 4		03/04/11	-	-	53.13	55.08	1.95	-
RW - 4		05/12/11	-	-	53.58	55.35	1.77	-
RW - 4		08/02/11	-	-	55.71	58.75	3.04	-
RW - 4		08/09/11	-	-	55.02	58.91	3.89	-
RW - 4		08/12/11	-	-	54.40	58.55	4.15	-
RW - 4		08/15/11	-	-	55.02	58.91	3.89	-
RW - 4		08/23/11	-	-	54.42	57.62	3.20	-
RW - 4		08/26/11	-	-	52.93	55.20	2.27	-
RW - 4		12/02/11	-	-	52.69	55.52	2.83	-
RW - 4		12/29/11	-	-	52.83	55.21	2.38	-
RW - 4		01/26/12	-	-	52.99	55.36	2.37	-
RW - 4		02/28/12	-	-	52.94	55.00	2.06	-
RW - 4		05/17/12	-	-	52.85	54.81	1.96	-

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HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 4		08/01/12	-	-	52.97	54.92	1.95	-
RW - 4		10/25/12	-	-	53.03	54.91	1.88	-
RW - 4		11/29/12	-	-	53.07	55.00	1.93	-
RW - 4		02/11/13	-	-	52.99	54.92	1.93	-
RW - 4		03/18/13	-	-	-	-	-	-
RW - 4		04/11/13	-	-	53.22	55.13	1.91	-
RW - 4		05/06/13	-	-	53.07	54.76	1.69	-
RW - 4		05/29/13	-	-	53.19	55.05	1.86	-
RW - 4		06/26/13	-	-	52.83	56.36	3.53	-
RW - 4		07/31/13	-	-	52.47	57.93	5.46	-
RW - 4		08/06/13	-	-	52.40	58.42	6.02	-
RW - 4		09/30/13	-	68.55	52.72	57.32	4.60	-
RW - 4		11/18/13	-	-	53.15	55.15	2.00	-
RW - 4	David/Jose	02/04/14	-	-	53.14	55.11	1.97	-
RW - 4	Manny & Chance	04/28/14	-	-	53.10	55.57	2.47	-
RW - 4		05/28/14	-	-	53.08	56.15	3.07	-
RW - 4	Manny & Chance	07/30/14	-	-	53.66	54.20	0.54	-
RW - 4	Manny & Chance	08/23/14	-	-	-	53.94	0.00	-
RW - 4	Manny & Chance	09/10/14	-	-	53.54	54.40	0.86	-
RW - 4	Manny	09/15/14	-	-	-	-	-	-
RW - 4	Manny	09/23/14	-	-	53.46	54.80	1.34	-
RW - 4	Manny	10/31/14	-	-	53.50	53.85	0.35	-
RW - 4	Manny	11/18/14	-	-	53.49	54.19	0.70	-
RW - 4	Chance	01/05/15	-	-	52.71	53.74	1.03	-
RW - 4	Manny	01/09/15	-	-	53.42	54.37	0.95	-
RW - 4	Carlos	01/14/15	-	-	53.42	54.45	1.03	-
RW - 4	Chance/Carlos	01/21/15	-	-	-	53.67	0.00	-
RW - 4	Carlos/Matt	02/11/15	-	-	52.72	53.70	0.98	-
RW - 4	Manny/Art	02/19/15	-	-	53.55	54.10	0.55	-
RW - 4	Carlos/Art	03/09/15	-	-	-	53.67	0.00	-
RW - 4	Carlos/Matt	03/11/15	-	-	53.45	54.14	0.69	-
RW - 4	Chance/Art	03/31/15	-	-	52.69	53.68	0.99	-
RW - 4	Arthur/Carlos	04/09/15	-	-	53.33	54.62	1.29	-
RW - 4	Carlos	04/15/15	-	-	53.30	54.69	1.39	-
RW - 4	Carlos	04/22/15	-	-	53.30	54.73	1.43	-
RW - 4	Manny/ Arthur	05/12/15	-	-	53.33	54.68	1.35	-
RW - 4	Chance/ Carlos	05/26/15	-	-	52.79	53.64	0.85	-
RW - 4	Carlos	06/01/15	-	-	53.35	54.63	1.28	-
RW - 4	Arthur/ Chance	06/04/15	-	-	53.31	54.68	1.37	-
RW - 4	Matt/Carlos	07/27/15	-	-	53.23	55.83	2.60	-
RW - 4	Manny/Matt	08/18/15	-	-	53.01	55.96	2.95	-
RW - 4	Carlos	10/08/15	-	-	53.16	55.08	1.92	-
RW - 4	Fernando	10/21/15	-	-	53.14	55.85	2.71	-
RW - 4	Carlos	11/23/15	-	-	53.37	55.55	2.18	-
RW - 4	Carlos	01/12/16	-	-	53.35	55.19	1.84	-
RW - 4	Fernando	02/11/16	-	-	53.52	53.90	0.38	-
RW - 4	Fernando/ Carlos	02/24/16	-	-	53.43	54.44	1.01	-
RW - 4	Carlos	06/13/16	-	-	53.36	55.28	1.92	-
RW - 4	Fernando	08/02/16	-	-	53.31	55.70	2.39	-
RW - 4	Carlos	11/28/16	-	-	53.29	55.40	2.11	-
RW - 4	Carlos	02/21/17	-	-	53.30	55.37	2.07	-
RW - 4	Jeremy	05/24/17	-	-	53.30	55.23	1.93	-
RW - 4	Jeremy/ Wesley	07/12/17	-	-	53.35	55.28	1.93	-
RW - 4	Jeremy	08/11/17	-	-	53.35	55.26	1.91	-
RW - 4	Jeremy	10/18/17	-	-	53.14	55.31	2.17	-
RW - 4	Jeremy/ Wesley	11/28/17	-	-	53.51	54.87	1.36	-
RW - 4	Jeremy	12/19/17	-	68.91	53.44	55.07	1.63	-
RW - 4	Jeremy	01/16/18	-	-	53.44	55.32	1.88	-
RW - 4	Jeremy	02/26/18	-	-	53.56	54.52	0.96	-
RW - 4	Jeremy	04/17/18	-	-	53.42	55.14	1.72	-
RW - 4	Jeremy	05/07/18	-	-	53.55	54.97	1.42	-
RW - 4	Jeremy	07/12/18	-	-	-	-	-	-
RW - 4	Jeremy/ Fernando	08/01/18	-	-	53.56	55.40	1.84	-
RW - 4	Jeremy	08/09/18	-	-	53.50	55.41	1.91	-
RW - 4	Wesley	08/23/18	-	-	53.49	55.56	2.07	-
RW - 4	Jeremy	08/30/18	-	-	53.63	55.01	1.38	-
RW - 4	Jeremy	08/31/18	-	-	53.53	55.42	1.89	-
RW - 4	Jeremy	09/11/18	-	-	53.64	54.92	1.28	-
RW - 4	Jeremy	09/13/18	-	-	53.61	54.88	1.27	-
RW - 4	Jeremy	09/19/18	-	-	53.63	54.91	1.28	-
RW - 4	Jeremy	09/26/18	-	-	53.61	55.11	1.50	-
RW - 4	Jeremy	10/04/18	-	-	53.58	55.12	1.54	-

TABLE 4

HISTORICAL GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

Well ID	Field Tech	Measurement Date	Top-of-Casing Elevation (Feet)	Total Depth of Well (Feet BTOC)	Depth to Product (Feet BTOC)	Depth to Groundwater (Feet BTOC)	PSH Thickness (Feet)	Corrected Groundwater Elevation (Feet)
RW - 4	Jeremy/Derek	11/14/18	-	-	53.57	55.01	1.44	-
RW - 4	Jeremy	12/18/18	-	-	53.57	55.43	1.86	-
RW - 4	Jeremy	02/18/19	-	-	53.49	55.71	2.22	-
RW - 4	Jeremy	05/14/19	-	-	53.44	55.84	2.40	-
RW - 4	Jeremy	08/19/19	-	-	53.54	56.29	2.75	-
RW - 4	Jeremy	11/11/19	-	-	53.37	56.31	2.94	-
RW - 4	Fernando	01/08/20	-	68.30	53.60	55.92	2.32	-
RW - 4	Elias	02/18/20	-	-	53.93	56.19	2.26	-
RW - 4	Scott	05/05/20	-	-	53.62	56.02	2.40	-
RW - 4	Manny	06/11/20	-	-	53.58	56.24	2.66	-
RW - 4	Manny	09/23/20	-	-	53.64	56.60	2.96	-
RW - 4	Manny	12/04/20	-	-	53.66	56.62	2.96	-
RW - 4	Manny	03/23/21	-	68.32	53.73	56.42	2.69	-
RW - 4	Manny	06/04/21	-	-	53.60	57.03	3.43	-
RW - 4	Manny	08/12/21	-	-	53.64	57.25	3.61	-
RW - 4	Manny	09/30/21	-	-	53.74	57.24	3.50	-
RW - 4	Manny	12/09/21	-	68.33	53.95	56.11	2.16	-
RW - 4	Manny	02/17/22	-	-	53.80	57.26	3.46	-
RW - 4	Manny	05/18/22	-	-	53.75	57.48	3.73	-
RW - 4	Manny	06/21/22	-	-	53.82	57.51	3.69	-
RW - 4	Manny	06/30/22	-	-	53.93	57.13	3.20	-
RW - 4	Manny	07/20/22	-	-	53.92	57.32	3.40	-
RW - 4	Manny	07/26/22	-	-	54.06	56.61	2.55	-
RW - 4	Manny	08/09/22	-	-	53.98	56.78	2.80	-
RW - 4	Manny	09/23/22	-	-	53.92	57.48	3.56	-
RW - 4	Manny	09/27/22	-	-	54.10	56.72	2.62	-
RW - 4	Manny	10/06/22	-	-	54.18	56.49	2.31	-
RW - 4	Manny	11/14/22	-	-	54.07	57.09	3.02	-
RW - 4	Manny	01/12/23	-	-	53.96	57.58	3.62	-
RW - 4	Manny	02/14/23	-	-	54.01	57.40	3.39	-
RW - 4	Manny	03/21/23	-	-	53.97	57.55	3.58	-
RW - 4	Manny	03/28/23	-	-	54.20	56.50	2.30	-
RW - 4	Manny	04/11/23	-	-	54.13	56.76	2.63	-
RW - 4	Manny	05/16/23	-	-	54.16	56.72	2.56	-
RW - 4	Manny	08/08/23	-	-	54.21	56.84	2.63	-
RW - 4	Manny	12/07/23	-	-	54.20	57.28	3.08	-
RW - 4	Manny	03/06/24	-	-	54.00	57.87	3.87	-
RW - 4	Manny	05/23/24	-	-	54.02	58.03	4.01	-
RW - 4	Manny	09/18/24	-	-	54.08	58.23	4.15	-
RW - 4	Manny	12/11/24	-	68.72	54.18	58.92	4.74	-

Notes:

1. BTOC = Below Top-of-Casing.
2. '-' = No gauging data collected on corresponding date.
3. P&A = Plugged and Abandoned
4. Elevations of the potentiometric surface were calculated using a PSH specific gravity of 0.85 gram/cubic centimeter (g/cc).

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 1	03/02/00	<0.001	<0.001	<0.001	<0.001
MW - 1	04/05/00	<0.001	<0.001	<0.001	<0.001
MW - 1	09/06/00	<0.001	<0.001	<0.001	<0.001
MW - 1	11/28/00	<0.001	<0.001	<0.001	<0.001
MW - 1	02/21/01	<0.001	<0.001	<0.001	<0.001
MW - 1	05/31/01	<0.001	<0.001	<0.001	<0.001
MW - 1	08/23/01	<0.001	<0.001	<0.001	<0.001
MW - 1	11/21/01	<0.001	<0.001	<0.001	<0.001
MW - 1	02/13/02	<0.001	<0.001	<0.001	<0.001
MW - 1	06/12/02	<0.001	<0.001	<0.001	<0.001
MW - 1	08/26/02	<0.001	<0.001	<0.001	<0.001
MW - 1	11/21/02	<0.001	<0.001	<0.001	<0.001
MW - 1	02/06/03	<0.001	<0.001	<0.001	<0.001
MW - 1	05/07/03	<0.001	<0.001	<0.001	<0.001
MW - 1	08/18/03	<0.001	<0.001	<0.001	<0.001
MW - 1	12/01/03	<0.001	<0.001	<0.001	<0.002
MW - 1	02/05/04	<0.001	<0.001	<0.001	<0.002
MW - 1	12/15/04	<0.001	<0.001	<0.001	<0.001
MW - 1	03/22/05	Not Sampled on Current Sample Schedule			
MW - 1	06/22/05	Not Sampled on Current Sample Schedule			
MW - 1	09/14/05	Plugged and Abandoned			
MW - 2	03/22/05	Not Sampled Due to PSH in Well			
MW - 2	06/22/05	Not Sampled Due to PSH in Well			
MW - 2	09/21/05	Not Sampled Due to PSH in Well			
MW - 2	12/16/05	Not Sampled Due to PSH in Well			
MW - 2	03/20/06	Not Sampled Due to PSH in Well			
MW - 2	06/21/06	Not Sampled Due to PSH in Well			
MW - 2	09/27/06	Not Sampled Due to PSH in Well			
MW - 2	12/04/06	Not Sampled Due to PSH in Well			
MW - 2	03/14/07	Not Sampled Due to PSH in Well			
MW - 2	05/29/07	Not Sampled Due to PSH in Well			
MW - 2	08/30/07	Not Sampled Due to PSH in Well			
MW - 2	11/12/07	Not Sampled Due to PSH in Well			
MW - 2	03/07/08	Not Sampled Due to PSH in Well			
MW - 2	06/02/08	Not Sampled Due to PSH in Well			
MW - 2	09/03/08	Not Sampled Due to PSH in Well			
MW - 2	12/10/08	13.80	5.200	0.864	2.700
MW - 2	02/19/09	Not Sampled Due to PSH in Well			
MW - 2	05/20/09	Not Sampled Due to PSH in Well			
MW - 2	08/12/09	Not Sampled Due to PSH in Well			
MW - 2	11/25/09	12.00	6.380	0.834	2.940
MW - 2	02/11/10	Not Sampled Due to PSH in Well			
MW - 2	05/17/10	Not Sampled Due to PSH in Well			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 2	08/16/10	Not Sampled Due to PSH in Well			
MW - 2	11/10/10	Not Sampled Due to PSH in Well			
MW - 2	02/28/11	Not Sampled Due to PSH in Well			
MW - 2	05/12/11	Not Sampled Due to PSH in Well			
MW - 2	08/15/11	Not Sampled Due to PSH in Well			
MW - 2	11/22/11	Not Sampled Due to PSH in Well			
MW - 2	02/28/12	Not Sampled Due to PSH in Well			
MW - 2	05/17/12	Not Sampled Due to PSH in Well			
MW - 2	08/01/12	Not Sampled Due to PSH in Well			
MW - 2	11/29/12	Not Sampled Due to PSH in Well			
MW - 2	02/11/13	Not Sampled Due to PSH in Well			
MW - 2	05/06/13	Not Sampled Due to PSH in Well			
MW - 2	08/06/13	Not Sampled Due to PSH in Well			
MW - 2	11/18/13	Not Sampled Due to PSH in Well			
MW - 2	02/04/14	Not Sampled Due to PSH in Well			
MW - 2	05/28/14	Not Sampled Due to PSH in Well			
MW - 2	08/23/14	Not Sampled Due to PSH in Well			
MW - 2	11/18/14	Not Sampled Due to PSH in Well			
MW - 2	02/19/15	Not Sampled Due to PSH in Well			
MW - 2	05/12/15	Not Sampled Due to PSH in Well			
MW - 2	08/18/15	Not Sampled Due to PSH in Well			
MW - 2	11/23/15	Not Sampled Due to PSH in Well			
MW - 2	02/24/16	Not Sampled Due to PSH in Well			
MW - 2	06/13/16	Not Sampled Due to PSH in Well			
MW - 2	08/03/16	Not Sampled Due to PSH in Well			
MW - 2	11/28/16	Not Sampled Due to PSH in Well			
MW - 2	02/21/17	Not Sampled Due to PSH in Well			
MW - 2	05/24/17	Not Sampled Due to PSH in Well			
MW - 2	08/11/17	Not Sampled Due to PSH in Well			
MW - 2	11/28/17	Not Sampled Due to PSH in Well			
MW - 2	02/26/18	Not Sampled Due to PSH in Well			
MW - 2	05/07/18	Not Sampled Due to PSH in Well			
MW - 2	08/09/18	Not Sampled Due to PSH in Well			
MW - 2	11/14/18	Not Sampled Due to PSH in Well			
MW - 2	02/18/19	Not Sampled Due to PSH in Well			
MW - 2	05/14/19	Not Sampled Due to PSH in Well			
MW - 2	08/19/19	Not Sampled Due to PSH in Well			
MW - 2	11/11/19	Not Sampled Due to PSH in Well			
MW - 2	02/18/20	PSH	-	-	-
MW - 2	06/11/20	PSH	-	-	-
MW - 2	09/23/20	PSH	-	-	-
MW - 2	12/04/20	PSH	-	-	-
MW - 2	03/23/21	PSH	-	-	-
MW - 2	06/04/21	PSH	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 2	09/30/21	PSH	-	-	-
MW - 2	12/09/21	0.224	0.00297	0.116	0.485
MW - 2	02/17/22	PSH	-	-	-
MW - 2	05/18/22	PSH	-	-	-
MW - 2	08/09/22	PSH	-	-	-
MW - 2	11/14/22	PSH	-	-	-
MW - 2	02/13/23	PSH	-	-	-
MW - 2	05/16/23	PSH	-	-	-
MW - 2	08/08/23	PSH	-	-	-
MW - 2	12/08/23	PSH	-	-	-
MW - 2	03/06/24	PSH	-	-	-
MW - 2	05/23/24	PSH	-	-	-
MW - 2	09/18/24	PSH	-	-	-
MW - 2	12/12/24	PSH	-	-	-
MW - 3	03/22/05	Not Sampled Due to PSH in Well			
MW - 3	06/22/05	Not Sampled Due to PSH in Well			
MW - 3	09/21/05	Not Sampled Due to PSH in Well			
MW - 3	12/16/05	Not Sampled Due to PSH in Well			
MW - 3	03/20/06	Not Sampled Due to PSH in Well			
MW - 3	06/21/06	Not Sampled Due to PSH in Well			
MW - 3	09/27/06	Not Sampled Due to PSH in Well			
MW - 3	12/04/06	Not Sampled Due to PSH in Well			
MW - 3	03/14/07	Not Sampled Due to PSH in Well			
MW - 3	05/29/07	Not Sampled Due to PSH in Well			
MW - 3	08/30/07	Not Sampled Due to PSH in Well			
MW - 3	11/12/07	Not Sampled Due to PSH in Well			
MW - 3	03/07/08	Not Sampled Due to PSH in Well			
MW - 3	06/02/08	Not Sampled Due to PSH in Well			
MW - 3	09/03/08	Not Sampled Due to PSH in Well			
MW - 3	12/10/08	10.10	6.40	1.040	2.80
MW - 3	02/19/09	Not Sampled Due to PSH in Well			
MW - 3	05/20/09	Not Sampled Due to PSH in Well			
MW - 3	08/12/09	Not Sampled Due to PSH in Well			
MW - 3	11/25/09	16.80	17.20	4.690	14.20
MW - 3	02/11/10	Not Sampled Due to PSH in Well			
MW - 3	05/17/10	Not Sampled Due to PSH in Well			
MW - 3	08/16/10	Not Sampled Due to PSH in Well			
MW - 3	11/10/10	Not Sampled Due to PSH in Well			
MW - 3	02/28/11	Not Sampled Due to PSH in Well			
MW - 3	05/12/11	Not Sampled Due to PSH in Well			
MW - 3	08/15/11	Not Sampled Due to PSH in Well			
MW - 3	11/22/11	Not Sampled Due to PSH in Well			
MW - 3	02/28/12	Not Sampled Due to PSH in Well			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 3	05/17/12	Not Sampled Due to PSH in Well			
MW - 3	08/01/12	Not Sampled Due to PSH in Well			
MW - 3	11/29/12	Not Sampled Due to PSH in Well			
MW - 3	02/11/13	Not Sampled Due to PSH in Well			
MW - 3	05/06/13	Not Sampled Due to PSH in Well			
MW - 3	05/06/13	Not Sampled Due to PSH in Well			
MW - 3	11/18/13	Not Sampled Due to PSH in Well			
MW - 3	02/04/14	Not Sampled Due to PSH in Well			
MW - 3	05/28/14	Not Sampled Due to PSH in Well			
MW - 3	08/23/14	Not Sampled Due to PSH in Well			
MW - 3	11/18/14	Not Sampled Due to PSH in Well			
MW - 3	02/19/15	Not Sampled Due to PSH in Well			
MW - 3	05/12/15	Not Sampled Due to PSH in Well			
MW - 3	08/18/15	Not Sampled Due to PSH in Well			
MW - 3	11/23/15	Not Sampled Due to PSH in Well			
MW - 3	02/24/16	Not Sampled Due to PSH in Well			
MW - 3	06/13/16	Not Sampled Due to PSH in Well			
MW - 3	08/03/16	Not Sampled Due to PSH in Well			
MW - 3	11/28/16	Not Sampled Due to PSH in Well			
MW - 3	02/21/17	Not Sampled Due to PSH in Well			
MW - 3	05/24/17	Not Sampled Due to PSH in Well			
MW - 3	08/11/17	Not Sampled Due to PSH in Well			
MW - 3	11/28/17	Not Sampled Due to PSH in Well			
MW - 3	02/26/18	Not Sampled Due to PSH in Well			
MW - 3	05/07/18	Not Sampled Due to PSH in Well			
MW - 3	08/09/18	Not Sampled Due to PSH in Well			
MW - 3	11/14/18	Not Sampled Due to PSH in Well			
MW - 3	02/18/19	Not Sampled Due to PSH in Well			
MW - 3	05/14/19	Not Sampled Due to PSH in Well			
MW - 3	08/19/19	Not Sampled Due to PSH in Well			
MW - 3	11/11/19	Not Sampled Due to PSH in Well			
MW - 3	02/18/20	PSH	-	-	-
MW - 3	06/11/20	PSH	-	-	-
MW - 3	09/23/20	PSH	-	-	-
MW - 3	12/04/20	PSH	-	-	-
MW - 3	03/23/21	PSH	-	-	-
MW - 3	06/04/21	PSH	-	-	-
MW - 3	09/30/21	PSH	-	-	-
MW - 3	12/09/21	0.784	0.00235	0.217	0.37015
MW - 3	02/17/22	PSH	-	-	-
MW - 3	05/18/22	PSH	-	-	-
MW - 3	08/09/22	PSH	-	-	-
MW - 3	11/14/22	PSH	-	-	-
MW - 3	02/13/23	PSH	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 3	05/16/23	PSH	-	-	-
MW - 3	08/08/23	PSH	-	-	-
MW - 3	12/08/23	PSH	-	-	-
MW - 3	03/06/24	PSH	-	-	-
MW - 3	05/23/24	PSH	-	-	-
MW - 3	09/18/24	PSH	-	-	-
MW - 3	12/12/24	PSH	-	-	-
MW - 4	03/22/05	Not Sampled Due to PSH in Well			
MW - 4	06/22/05	Not Sampled Due to PSH in Well			
MW - 4	09/21/05	Not Sampled Due to PSH in Well			
MW - 4	12/16/05	Not Sampled Due to PSH in Well			
MW - 4	03/20/06	Not Sampled Due to PSH in Well			
MW - 4	06/21/06	Not Sampled Due to PSH in Well			
MW - 4	09/27/06	Not Sampled Due to PSH in Well			
MW - 4	12/04/06	Not Sampled Due to PSH in Well			
MW - 4	03/14/07	Not Sampled Due to PSH in Well			
MW - 4	05/29/07	Not Sampled Due to PSH in Well			
MW - 4	08/30/07	Not Sampled Due to PSH in Well			
MW - 4	11/12/07	Not Sampled Due to PSH in Well			
MW - 4	03/07/08	Not Sampled Due to PSH in Well			
MW - 4	06/02/08	Not Sampled Due to PSH in Well			
MW - 4	09/03/08	Not Sampled Due to PSH in Well			
MW - 4	12/10/08	1.930	0.996	0.613	1.620
MW - 4	02/19/09	Not Sampled Due to PSH in Well			
MW - 4	05/20/09	Not Sampled Due to PSH in Well			
MW - 4	08/12/09	Not Sampled Due to PSH in Well			
MW - 4	11/25/09	2.000	1.060	0.618	1.340
MW - 4	02/11/10	2.150	1.230	0.825	2.150
MW - 4	05/17/10	0.747	0.125	0.335	0.549
MW - 4	08/16/10	1.180	0.237	0.445	0.599
MW - 4	11/10/10	0.583	0.174	0.370	0.762
MW - 4	02/28/11	1.140	0.343	0.556	0.999
MW - 4	05/12/11	1.020	0.292	0.517	1.210
MW - 4	08/15/11	0.838	0.084	0.355	0.387
MW - 4	11/22/11	0.684	0.061	0.435	1.070
MW - 4	02/28/12	0.614	0.073	0.366	0.865
MW - 4	05/17/12	0.901	0.071	0.474	0.929
MW - 4	08/01/12	0.632	<0.050	0.396	0.776
MW - 4	11/29/12	0.188	0.0042	0.135	0.308
MW - 4	02/11/13	0.262	<0.005	0.329	0.790
MW - 4	05/06/13	0.396	<0.005	0.480	1.55
MW - 4	08/06/13	0.259	<0.005	0.406	1.05
MW - 4	11/19/13	<0.00100	<0.00100	<0.00100	<0.00300

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 4	12/08/13	0.0777	<0.0500	<0.0500	<0.150
MW - 4	02/04/14	0.322	<0.0500	0.294	0.684
MW - 4	05/28/14	Not Sampled Due to PSH in Well			
MW - 4	08/23/14	Not Sampled Due to PSH in Well			
MW - 4	11/18/14	Not Sampled Due to PSH in Well			
MW - 4	02/19/15	Not Sampled Due to PSH in Well			
MW - 4	05/12/15	Not Sampled Due to PSH in Well			
MW - 4	08/18/15	Not Sampled Due to PSH in Well			
MW - 4	11/23/15	Not Sampled Due to PSH in Well			
MW - 4	02/24/16	Not Sampled Due to PSH in Well			
MW - 4	06/13/16	Not Sampled Due to PSH in Well			
MW - 4	08/03/16	Not Sampled Due to PSH in Well			
MW - 4	11/28/16	0.122	<0.00200	0.176	0.413
MW - 4	02/21/17	0.251	<0.100	0.201	0.540
MW - 4	05/24/17	Not Sampled Due to PSH in Well			
MW - 4	08/11/17	Not Sampled Due to PSH in Well			
MW - 4	11/28/17	Not Sampled Due to PSH in Well			
MW - 4	02/26/18	Not Sampled Due to PSH in Well			
MW - 4	05/07/18	Not Sampled Due to PSH in Well			
MW - 4	08/09/18	Not Sampled Due to PSH in Well			
MW - 4	11/14/18	Not Sampled Due to PSH in Well			
MW - 4	02/18/19	0.0987	0.0218	0.254	0.718
MW - 4	05/14/19	0.0604	0.0315	0.117	0.348
MW - 4	08/19/19	0.0436	0.0385	0.141	0.3248
MW - 4	11/11/19	0.166	0.233	0.327	1.114
MW - 4	02/18/20	PSH	-	-	-
MW - 4	06/11/20	PSH	-	-	-
MW - 4	09/23/20	PSH	-	-	-
MW - 4	12/04/20	PSH	-	-	-
MW - 4	03/23/21	PSH	-	-	-
MW - 4	06/04/21	PSH	-	-	-
MW - 4	09/30/21	PSH	-	-	-
MW - 4	12/09/21	0.0108	0.00861	0.054	0.2025
MW - 4	02/17/22	PSH	-	-	-
MW - 4	05/18/22	PSH	-	-	-
MW - 4	08/09/22	PSH	-	-	-
MW - 4	11/14/22	PSH	-	-	-
MW - 4	02/13/23	PSH	-	-	-
MW - 4	05/16/23	PSH	-	-	-
MW - 4	08/08/23	PSH	-	-	-
MW - 4	12/08/23	PSH	-	-	-
MW - 4	03/06/24	PSH	-	-	-
MW - 4	05/23/24	PSH	-	-	-
MW - 4	09/18/24	PSH	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 4	12/12/24	PSH	-	-	-
MW - 5	03/22/05	Not Sampled Due to PSH in Well			
MW - 5	06/22/05	Not Sampled Due to PSH in Well			
MW - 5	09/21/05	Not Sampled Due to PSH in Well			
MW - 5	12/16/05	Not Sampled Due to PSH in Well			
MW - 5	03/20/06	Not Sampled Due to PSH in Well			
MW - 5	06/21/06	Not Sampled Due to PSH in Well			
MW - 5	09/27/06	Not Sampled Due to PSH in Well			
MW - 5	12/04/06	Not Sampled Due to PSH in Well			
MW - 5	03/14/07	Not Sampled Due to PSH in Well			
MW - 5	05/29/07	Not Sampled Due to PSH in Well			
MW - 5	08/30/07	Not Sampled Due to PSH in Well			
MW - 5	11/12/07	Not Sampled Due to PSH in Well			
MW - 5	03/07/08	Not Sampled Due to PSH in Well			
MW - 5	06/02/08	Not Sampled Due to PSH in Well			
MW - 5	09/03/08	Not Sampled Due to PSH in Well			
MW - 5	12/10/08	18.90	9.030	1.490	3.520
MW - 5	02/19/09	Not Sampled Due to PSH in Well			
MW - 5	05/20/09	Not Sampled Due to PSH in Well			
MW - 5	08/12/09	Not Sampled Due to PSH in Well			
MW - 5	11/25/09	15.60	5.700	1.080	2.290
MW - 5	02/11/10	Not Sampled Due to PSH in Well			
MW - 5	05/17/10	Not Sampled Due to PSH in Well			
MW - 5	08/16/10	Not Sampled Due to PSH in Well			
MW - 5	11/10/10	Not Sampled Due to PSH in Well			
MW - 5	02/28/11	Not Sampled Due to PSH in Well			
MW - 5	05/12/11	Not Sampled Due to PSH in Well			
MW - 5	08/15/11	Not Sampled Due to PSH in Well			
MW - 5	11/22/11	Not Sampled Due to PSH in Well			
MW - 5	02/28/12	Not Sampled Due to PSH in Well			
MW - 5	05/17/12	Not Sampled Due to PSH in Well			
MW - 5	08/01/12	Not Sampled Due to PSH in Well			
MW - 5	11/29/12	Not Sampled Due to PSH in Well			
MW - 5	02/11/13	Not Sampled Due to PSH in Well			
MW - 5	05/06/13	Not Sampled Due to PSH in Well			
MW - 5	08/06/13	Not Sampled Due to PSH in Well			
MW - 5	11/18/13	Not Sampled Due to PSH in Well			
MW - 5	02/04/14	Not Sampled Due to PSH in Well			
MW - 5	05/28/14	Not Sampled Due to PSH in Well			
MW - 5	08/23/14	Not Sampled Due to PSH in Well			
MW - 5	11/18/14	Not Sampled Due to PSH in Well			
MW - 5	02/19/15	Not Sampled Due to PSH in Well			
MW - 5	05/12/15	Not Sampled Due to PSH in Well			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 5	11/18/14	Not Sampled Due to PSH in Well			
MW - 5	08/18/15	Not Sampled Due to PSH in Well			
MW - 5	11/23/15	Not Sampled Due to PSH in Well			
MW - 5	02/24/16	Not Sampled Due to PSH in Well			
MW - 5	06/13/16	Not Sampled Due to PSH in Well			
MW - 5	08/03/16	Not Sampled Due to PSH in Well			
MW - 5	11/28/16	Not Sampled Due to PSH in Well			
MW - 5	02/21/17	Not Sampled Due to PSH in Well			
MW - 5	05/24/17	Not Sampled Due to PSH in Well			
MW - 5	08/11/17	Not Sampled Due to PSH in Well			
MW - 5	11/28/17	Not Sampled Due to PSH in Well			
MW - 5	02/26/18	Not Sampled Due to PSH in Well			
MW - 5	05/07/18	Not Sampled Due to PSH in Well			
MW - 5	08/09/18	Not Sampled Due to PSH in Well			
MW - 5	11/14/18	Not Sampled Due to PSH in Well			
MW - 5	02/18/19	Not Sampled Due to PSH in Well			
MW - 5	05/14/19	Not Sampled Due to PSH in Well			
MW - 5	08/19/19	Not Sampled Due to PSH in Well			
MW - 5	11/11/19	Not Sampled Due to PSH in Well			
MW - 5	02/18/20	PSH	-	-	-
MW - 5	06/11/20	PSH	-	-	-
MW - 5	09/23/20	PSH	-	-	-
MW - 5	12/04/20	PSH	-	-	-
MW - 5	03/23/21	PSH	-	-	-
MW - 5	06/04/21	PSH	-	-	-
MW - 5	09/30/21	PSH	-	-	-
MW - 5	12/09/21	8.13	2.12	0.643	1.238
MW - 5	02/17/22	PSH	-	-	-
MW - 5	03/08/22	6.80	1.96	0.847	1.529
MW - 5	05/18/22	8.63	3.46	1.08	2.317
MW - 5	08/09/22	6.91	1.80	0.712	1.357
MW - 5	11/15/22	5.93	2.50	0.832	1.543
MW - 5	02/14/23	5.60	2.24	0.651	1.253
MW - 5	05/16/23	25.0	11.9	2.26	5.94
MW - 5	08/08/23	4.96	1.86	0.697	1.685
MW - 5	12/07/23	8.91	5.10	1.36	3.60
MW - 5	03/06/24	10.9	4.45	0.868	2.295
MW - 5	05/23/24	5.71	2.50	0.587	1.512
MW - 5	09/19/24	9.48	6.49	1.36	3.488
MW - 5	12/12/24	10.5	5.31	1.39	3.932
MW - 6	03/22/05	Not Sampled Due to PSH in Well			
MW - 6	06/22/05	Not Sampled Due to PSH in Well			
MW - 6	09/21/05	Not Sampled Due to PSH in Well			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 6	12/16/05	Not Sampled Due to PSH in Well			
MW - 6	03/20/06	Not Sampled Due to PSH in Well			
MW - 6	06/21/06	Not Sampled Due to PSH in Well			
MW - 6	09/27/06	Not Sampled Due to PSH in Well			
MW - 6	12/04/06	Not Sampled Due to PSH in Well			
MW - 6	03/14/07	Not Sampled Due to PSH in Well			
MW - 6	05/29/07	Not Sampled Due to PSH in Well			
MW - 6	08/30/07	Not Sampled Due to PSH in Well			
MW - 6	11/12/07	Not Sampled Due to PSH in Well			
MW - 6	03/07/08	Not Sampled Due to PSH in Well			
MW - 6	06/02/08	Not Sampled Due to PSH in Well			
MW - 6	09/03/08	Not Sampled Due to PSH in Well			
MW - 6	12/10/08	26.00	3.950	1.230	2.850
MW - 6	02/19/09	Not Sampled Due to PSH in Well			
MW - 6	05/20/09	Not Sampled Due to PSH in Well			
MW - 6	08/12/09	Not Sampled Due to PSH in Well			
MW - 6	11/25/09	19.80	5.060	1.010	2.330
MW - 6	02/11/10	Not Sampled Due to PSH in Well			
MW - 6	05/17/10	Not Sampled Due to PSH in Well			
MW - 6	08/16/10	Not Sampled Due to PSH in Well			
MW - 6	11/10/10	4.04	2.830	0.494	1.710
MW - 6	02/28/11	3.77	2.320	0.330	0.926
MW - 6	05/12/11	1.37	0.637	0.123	0.503
MW - 6	08/15/11	2.10	0.945	0.0741	0.612
MW - 6	11/22/11	3.59	1.460	0.3170	1.100
MW - 6	02/28/12	4.54	1.560	0.2890	1.200
MW - 6	05/17/12	Not Sampled Due to PSH in Well			
MW - 6	08/01/12	Not Sampled Due to PSH in Well			
MW - 6	11/29/12	Not Sampled Due to PSH in Well			
MW - 6	02/11/13	Not Sampled Due to PSH in Well			
MW - 6	05/06/13	Not Sampled Due to PSH in Well			
MW - 6	08/06/13	Not Sampled Due to PSH in Well			
MW - 6	11/18/13	Not Sampled Due to PSH in Well			
MW - 6	02/04/14	Not Sampled Due to PSH in Well			
MW - 6	05/28/14	Not Sampled Due to PSH in Well			
MW - 6	08/23/14	Not Sampled Due to PSH in Well			
MW - 6	11/18/14	Not Sampled Due to PSH in Well			
MW - 6	02/19/15	0.579	<0.0500	0.0912	0.154
MW - 6	05/12/15	Not Sampled Due to PSH in Well			
MW - 6	08/18/15	0.324	<0.0500	<0.0500	0.158
MW - 6	11/23/15	0.286	<0.00100	0.0413	0.0857
MW - 6	02/24/16	0.682	<0.0500	0.161	0.190
MW - 6	06/13/16	0.254	<0.0500	0.0578	0.103
MW - 6	08/03/16	0.129	<0.00100	0.0167	0.0288

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 6	11/28/16	0.254	<0.00200	0.0403	0.0661
MW - 6	02/21/17	0.246	<0.00200	0.0275	0.09560
MW - 6	05/24/17	Not Sampled Due to PSH in Well			
MW - 6	08/11/17	Not Sampled Due to PSH in Well			
MW - 6	11/28/17	Not Sampled Due to PSH in Well			
MW - 6	02/26/18	Not Sampled Due to PSH in Well			
MW - 6	05/07/18	Not Sampled Due to PSH in Well			
MW - 6	08/09/18	Not Sampled Due to PSH in Well			
MW - 6	11/14/18	Not Sampled Due to PSH in Well			
MW - 6	02/18/19	Not Sampled Due to PSH in Well			
MW - 6	05/14/19	Not Sampled Due to PSH in Well			
MW - 6	08/19/19	Not Sampled Due to PSH in Well			
MW - 6	11/11/19	Not Sampled Due to PSH in Well			
MW - 6	02/18/20	PSH	-	-	-
MW - 6	06/11/20	PSH	-	-	-
MW - 6	09/23/20	PSH	-	-	-
MW - 6	12/04/20	PSH	-	-	-
MW - 6	03/23/21	PSH	-	-	-
MW - 6	06/04/21	PSH	-	-	-
MW - 6	09/30/21	PSH	-	-	-
MW - 6	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 6	02/17/22	PSH	-	-	-
MW - 6	03/08/22	0.265	0.00128	0.0133	0.01638
MW - 6	05/18/22	0.316	0.00307	0.0212	0.02664
MW - 6	08/09/22	0.239	0.00327	0.0242	0.04975
MW - 6	11/15/22	0.207	0.00565	0.00878	0.02245
MW - 6	02/14/23	0.00563	0.00241	0.00299	0.01229
MW - 6	05/16/23	0.0643	0.00107	0.00203	0.00698
MW - 6	08/08/23	0.359	<0.00100	0.00403	0.00547
MW - 6	12/07/23	1.15	<0.00100	0.0103	<0.00200
MW - 6	03/06/24	2.05	<0.00100	0.00328	<0.00200
MW - 6	05/23/24	3.31	0.00980	0.0104	0.02494
MW - 6	09/19/24	1.76	0.00152	0.00169	0.00338
MW - 6	12/12/24	1.63	<0.00100	0.00192	0.00340
MW - 7	03/02/00	<0.001	<0.001	<0.001	<0.001
MW - 7	04/25/00	<0.001	<0.001	<0.001	<0.001
MW - 7	09/06/00	<0.001	<0.001	<0.001	<0.001
MW - 7	11/28/00	<0.001	<0.001	<0.001	<0.001
MW - 7	02/21/01	0.005	<0.001	<0.001	0.013
MW - 7	05/31/01	0.033	0.015	<0.001	0.100
MW - 7	08/23/01	0.009	0.002	<0.001	0.029
MW - 7	11/21/01	0.007	0.002	<0.001	0.022
MW - 7	02/13/02	0.004	<0.001	<0.001	0.017

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 7	06/12/02	0.002	<0.001	<0.001	0.009
MW - 7	08/26/02	0.001	<0.001	0.012	0.014
MW - 7	11/21/02	<0.001	<0.001	<0.001	0.003
MW - 7	02/06/03	<0.001	<0.001	<0.001	<0.001
MW - 7	05/07/03	<0.001	<0.001	<0.001	<0.001
MW - 7	08/18/03	<0.001	<0.001	<0.001	0.002
MW - 7	12/01/03	<0.001	<0.001	<0.001	<0.002
MW - 7	02/05/04	<0.001	<0.001	<0.001	<0.002
MW - 7	12/15/04	<0.001	<0.001	<0.001	<0.001
MW - 7	03/22/05	Not Sampled on Current Sample Schedule			
MW - 7	06/22/05	Not Sampled on Current Sample Schedule			
MW - 7	09/21/05	Not Sampled on Current Sample Schedule			
MW - 7	12/16/05	<0.001	<0.001	0.0028	0.0031
MW - 7	03/20/06	Not Sampled on Current Sample Schedule			
MW - 7	06/21/06	Not Sampled on Current Sample Schedule			
MW - 7	09/27/06	Not Sampled on Current Sample Schedule			
MW - 7	12/04/06	<0.001	<0.001	0.0309	0.0085
MW - 7	03/14/07	Not Sampled on Current Sample Schedule			
MW - 7	05/29/07	Not Sampled on Current Sample Schedule			
MW - 7	08/30/07	Not Sampled on Current Sample Schedule			
MW - 7	11/12/07	<0.001	<0.001	0.0062	0.0015
MW - 7	03/07/08	Not Sampled on Current Sample Schedule			
MW - 7	06/02/08	Not Sampled on Current Sample Schedule			
MW - 7	09/03/08	Not Sampled on Current Sample Schedule			
MW - 7	12/08/08	<0.001	<0.001	<0.001	<0.001
MW - 7	02/19/09	Not Sampled on Current Sample Schedule			
MW - 7	05/20/09	Not Sampled on Current Sample Schedule			
MW - 7	08/12/09	Not Sampled on Current Sample Schedule			
MW - 7	11/25/09	<0.001	<0.001	<0.001	<0.001
MW - 7	02/11/10	Not Sampled on Current Sample Schedule			
MW - 7	05/17/10	Not Sampled on Current Sample Schedule			
MW - 7	08/16/10	Not Sampled on Current Sample Schedule			
MW - 7	11/10/10	<0.001	<0.001	<0.001	<0.001
MW - 7	02/28/11	Not Sampled on Current Sample Schedule			
MW - 7	05/12/11	Not Sampled on Current Sample Schedule			
MW - 7	08/15/11	Not Sampled on Current Sample Schedule			
MW - 7	11/22/11	<0.001	<0.001	<0.001	<0.001
MW - 7	02/28/12	Not Sampled on Current Sample Schedule			
MW - 7	05/17/12	Not Sampled on Current Sample Schedule			
MW - 7	08/01/12	Not Sampled on Current Sample Schedule			
MW - 7	11/29/12	<0.001	<0.001	<0.001	<0.001
MW - 7	02/11/13	Not Sampled on Current Sample Schedule			
MW - 7	05/06/13	Not Sampled on Current Sample Schedule			
MW - 7	08/06/13	Not Sampled on Current Sample Schedule			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 7	11/19/13	0.0729	0.0023	0.0788	0.2020
MW - 7	12/08/13	<0.00100	<0.00100	<0.00100	<0.00300
MW - 7	02/04/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 7	05/28/14	Not Sampled on Current Sample Schedule			
MW - 7	08/23/14	Not Sampled on Current Sample Schedule			
MW - 7	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 7	02/19/15	Not Sampled on Current Sample Schedule			
MW - 7	05/12/15	Not Sampled on Current Sample Schedule			
MW - 7	08/18/15	Not Sampled on Current Sample Schedule			
MW - 7	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 7	02/24/16	Not Sampled on Current Sample Schedule			
MW - 7	06/13/16	Not Sampled on Current Sample Schedule			
MW - 7	08/03/16	Not Sampled on Current Sample Schedule			
MW - 7	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 7	02/21/17	Not Sampled on Current Sample Schedule			
MW - 7	05/24/17	Not Sampled on Current Sample Schedule			
MW - 7	08/11/17	Not Sampled on Current Sample Schedule			
MW - 7	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 7	02/26/18	Not Sampled on Current Sample Schedule			
MW - 7	05/07/18	Not Sampled on Current Sample Schedule			
MW - 7	08/09/18	Not Sampled on Current Sample Schedule			
MW - 7	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 7	02/18/19	Not Sampled on Current Sample Schedule			
MW - 7	05/14/19	Not Sampled on Current Sample Schedule			
MW - 7	08/19/19	Not Sampled on Current Sample Schedule			
MW - 7	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 7	02/18/20	NS	-	-	-
MW - 7	06/11/20	NS	-	-	-
MW - 7	09/23/20	NS	-	-	-
MW - 7	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 7	03/23/21	NS	-	-	-
MW - 7	06/04/21	NS	-	-	-
MW - 7	09/30/21	NS	-	-	-
MW - 7	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 7	02/17/22	NS	-	-	-
MW - 7	05/16/22	NS	-	-	-
MW - 7	08/08/22	NS	-	-	-
MW - 7	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 7	02/13/23	NS	-	-	-
MW - 7	05/16/23	NS	-	-	-
MW - 7	08/08/23	NS	-	-	-
MW - 7	12/08/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 7	03/06/24	NS	-	-	-
MW - 7	05/23/24	NS	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 7	09/18/24	NS	-	-	-
MW - 7	12/13/24	<0.00100	<0.00100	0.00119	<0.00200
MW - 8	03/02/00	<0.001	<0.001	<0.001	<0.001
MW - 8	04/25/00	<0.001	<0.001	<0.001	<0.001
MW - 8	09/06/00	<0.001	<0.001	<0.001	<0.001
MW - 8	11/28/00	<0.001	<0.001	<0.001	<0.001
MW - 8	02/21/01	<0.001	<0.001	<0.001	<0.001
MW - 8	05/31/01	<0.001	<0.001	<0.001	<0.001
MW - 8	08/23/01	<0.001	<0.001	<0.001	<0.001
MW - 8	11/21/01	<0.001	<0.001	<0.001	<0.001
MW - 8	02/13/02	<0.001	<0.001	<0.001	<0.001
MW - 8	06/12/02	<0.001	<0.001	<0.001	<0.001
MW - 8	08/26/02	<0.001	<0.001	<0.001	<0.001
MW - 8	11/21/02	<0.001	<0.001	<0.001	<0.001
MW - 8	02/06/03	<0.001	<0.001	<0.001	<0.001
MW - 8	05/07/03	<0.001	<0.001	<0.001	<0.001
MW - 8	08/18/03	<0.001	<0.001	<0.001	<0.001
MW - 8	12/01/03	<0.001	<0.001	<0.001	<0.002
MW - 8	02/05/04	<0.001	<0.001	<0.001	<0.002
MW - 8	12/15/04	<0.001	<0.001	<0.001	<0.001
MW - 8	03/22/05	Not Sampled on Current Sample Schedule			
MW - 8	06/22/05	Not Sampled on Current Sample Schedule			
MW - 8	09/14/05	Plugged and Abandoned			
MW - 9	03/22/05	Not Sampled Due to PSH in Well			
MW - 9	06/22/05	Not Sampled Due to PSH in Well			
MW - 9	09/21/05	Not Sampled Due to PSH in Well			
MW - 9	12/16/05	Not Sampled Due to PSH in Well			
MW - 9	03/20/06	Not Sampled Due to PSH in Well			
MW - 9	06/21/06	Not Sampled Due to PSH in Well			
MW - 9	09/27/06	Not Sampled Due to PSH in Well			
MW - 9	12/04/06	Not Sampled Due to PSH in Well			
MW - 9	03/14/07	Not Sampled Due to PSH in Well			
MW - 9	05/29/07	Not Sampled Due to PSH in Well			
MW - 9	08/30/07	Not Sampled Due to PSH in Well			
MW - 9	11/12/07	Not Sampled Due to PSH in Well			
MW - 9	03/07/08	Not Sampled Due to PSH in Well			
MW - 9	06/02/08	Not Sampled Due to PSH in Well			
MW - 9	09/03/08	Not Sampled Due to PSH in Well			
MW - 9	12/10/08	2.240	2.850	0.633	1.790
MW - 9	02/19/09	Not Sampled Due to PSH in Well			
MW - 9	05/20/09	Not Sampled Due to PSH in Well			
MW - 9	08/12/09	Not Sampled Due to PSH in Well			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 9	08/12/09	2.090	2.470	0.503	1.600
MW - 9	02/11/10	Not Sampled Due to PSH in Well			
MW - 9	05/17/10	Not Sampled Due to PSH in Well			
MW - 9	08/16/10	Not Sampled Due to PSH in Well			
MW - 9	11/10/10	Not Sampled Due to PSH in Well			
MW - 9	02/28/11	Not Sampled Due to PSH in Well			
MW - 9	05/12/11	Not Sampled Due to PSH in Well			
MW - 9	08/15/11	Not Sampled Due to PSH in Well			
MW - 9	11/22/11	Not Sampled Due to PSH in Well			
MW - 9	02/28/12	Not Sampled Due to PSH in Well			
MW - 9	05/17/12	Not Sampled Due to PSH in Well			
MW - 9	08/01/12	Not Sampled Due to PSH in Well			
MW - 9	11/29/12	Not Sampled Due to PSH in Well			
MW - 9	02/11/13	Not Sampled Due to PSH in Well			
MW - 9	05/06/13	Not Sampled Due to PSH in Well			
MW - 9	08/06/13	Not Sampled Due to PSH in Well			
MW - 9	11/18/13	Not Sampled Due to PSH in Well			
MW - 9	02/04/14	Not Sampled Due to PSH in Well			
MW - 9	05/28/14	Not Sampled Due to PSH in Well			
MW - 9	08/23/14	Not Sampled Due to PSH in Well			
MW - 9	11/18/14	Not Sampled Due to PSH in Well			
MW - 9	02/19/15	Not Sampled Due to PSH in Well			
MW - 9	05/12/15	Not Sampled Due to PSH in Well			
MW - 9	08/18/15	Not Sampled Due to PSH in Well			
MW - 9	11/23/15	Not Sampled Due to PSH in Well			
MW - 9	02/24/16	Not Sampled Due to PSH in Well			
MW - 9	06/13/16	Not Sampled Due to PSH in Well			
MW - 9	08/03/16	Not Sampled Due to PSH in Well			
MW - 9	11/28/16	Not Sampled Due to PSH in Well			
MW - 9	02/21/17	Not Sampled Due to PSH in Well			
MW - 9	05/24/17	Not Sampled Due to PSH in Well			
MW - 9	08/11/17	Not Sampled Due to PSH in Well			
MW - 9	11/28/17	Not Sampled Due to PSH in Well			
MW - 9	02/26/18	Not Sampled Due to PSH in Well			
MW - 9	05/07/18	Not Sampled Due to PSH in Well			
MW - 9	08/09/18	Not Sampled Due to PSH in Well			
MW - 9	11/14/18	Not Sampled Due to PSH in Well			
MW - 9	02/18/19	0.00893	0.0254	0.0608	0.1877
MW - 9	05/14/19	0.0239	0.0786	0.119	0.350
MW - 9	08/19/19	0.00796	0.0224	0.0565	0.221
MW - 9	11/11/19	0.0141	0.202	0.274	1.003
MW - 9	02/18/20	PSH	-	-	-
MW - 9	06/11/20	PSH	-	-	-
MW - 9	09/23/20	PSH	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 9	12/04/20	PSH	-	-	-
MW - 9	03/23/21	PSH	-	-	-
MW - 9	06/04/21	PSH	-	-	-
MW - 9	09/30/21	PSH	-	-	-
MW - 9	12/09/21	0.0141	0.0444	0.120	0.507
MW - 9	02/17/22	PSH	-	-	-
MW - 9	03/08/22	0.0166	0.0302	0.0738	0.2932
MW - 9	05/18/22	0.0146	0.0817	0.218	0.959
MW - 9	08/09/22	0.0139	0.0435	0.200	0.740
MW - 9	11/15/22	0.0195	0.0346	0.179	0.577
MW - 9	02/14/23	0.0148	0.0204	0.178	0.584
MW - 9	05/16/23	0.0126	0.0176	0.266	0.929
MW - 9	08/08/23	0.00952	0.0116	0.142	0.507
MW - 9	12/07/23	0.0111	0.0059	0.126	0.423
MW - 9	03/06/24	0.00746	0.00561	0.154	0.651
MW - 9	05/23/24	0.0159	0.0158	0.178	0.661
MW - 9	09/19/24	0.0907	0.0105	0.989	0.579
MW - 9	12/12/24	0.0104	0.00666	0.103	0.407
MW - 10	03/02/00	<0.001	<0.001	<0.001	<0.001
MW - 10	04/25/00	<0.001	<0.001	<0.001	<0.001
MW - 10	09/06/00	<0.001	<0.001	<0.001	<0.001
MW - 10	11/28/00	<0.001	<0.001	<0.001	<0.001
MW - 10	02/21/01	<0.001	<0.001	<0.001	<0.001
MW - 10	05/31/01	<0.001	<0.001	<0.001	<0.001
MW - 10	08/23/01	<0.001	<0.001	<0.001	<0.001
MW - 10	11/21/01	<0.001	<0.001	<0.001	<0.001
MW - 10	02/13/02	<0.001	<0.001	<0.001	<0.001
MW - 10	06/12/02	<0.001	<0.001	<0.001	<0.001
MW - 10	08/26/02	<0.001	<0.001	<0.001	<0.001
MW - 10	11/21/02	<0.001	<0.001	<0.001	<0.001
MW - 10	02/06/03	<0.001	<0.001	<0.001	<0.001
MW - 10	05/07/03	<0.001	<0.001	<0.001	<0.001
MW - 10	08/18/03	0.005	0.002	<0.001	0.001
MW - 10	12/01/03	0.002	0.001	<0.001	<0.002
MW - 10	02/05/04	<0.001	<0.001	<0.001	<0.002
MW - 10	12/15/04	<0.001	<0.001	<0.001	<0.001
MW - 10	03/22/05	Not Sampled on Current Sample Schedule			
MW - 10	06/22/05	Not Sampled on Current Sample Schedule			
MW - 10	09/21/05	Not Sampled on Current Sample Schedule			
MW - 10	12/16/05	<0.001	<0.001	<0.001	<0.001
MW - 10	03/20/06	Not Sampled on Current Sample Schedule			
MW - 10	06/21/06	Not Sampled on Current Sample Schedule			
MW - 10	09/27/06	Not Sampled on Current Sample Schedule			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 10	12/04/06	<0.001	<0.001	<0.001	<0.001
MW - 10	03/14/07	Not Sampled on Current Sample Schedule			
MW - 10	05/29/07	Not Sampled on Current Sample Schedule			
MW - 10	08/30/07	Not Sampled on Current Sample Schedule			
MW - 10	11/12/07	<0.001	<0.001	<0.001	<0.001
MW - 10	03/07/08	Not Sampled on Current Sample Schedule			
MW - 10	06/02/08	Not Sampled on Current Sample Schedule			
MW - 10	09/03/08	Not Sampled on Current Sample Schedule			
MW - 10	12/08/08	<0.001	<0.001	<0.001	<0.001
MW - 10	02/19/09	Not Sampled on Current Sample Schedule			
MW - 10	05/20/09	Not Sampled on Current Sample Schedule			
MW - 10	08/12/09	Not Sampled on Current Sample Schedule			
MW - 10	11/25/09	<0.001	<0.001	<0.001	<0.001
MW - 10	02/11/10	Not Sampled on Current Sample Schedule			
MW - 10	05/17/10	Not Sampled on Current Sample Schedule			
MW - 10	08/16/10	Not Sampled on Current Sample Schedule			
MW - 10	11/10/10	<0.001	<0.001	<0.001	<0.001
MW - 10	02/28/11	Not Sampled on Current Sample Schedule			
MW - 10	05/12/11	Not Sampled on Current Sample Schedule			
MW - 10	08/15/11	Not Sampled on Current Sample Schedule			
MW - 10	11/22/11	<0.001	<0.001	<0.001	<0.001
MW - 10	02/28/12	Not Sampled on Current Sample Schedule			
MW - 10	05/17/12	Not Sampled on Current Sample Schedule			
MW - 10	08/01/12	Not Sampled on Current Sample Schedule			
MW - 10	11/29/12	<0.001	<0.001	<0.001	<0.001
MW - 10	02/11/13	Not Sampled on Current Sample Schedule			
MW - 10	05/06/13	Not Sampled on Current Sample Schedule			
MW - 10	08/06/13	Not Sampled on Current Sample Schedule			
MW - 10	11/18/13	<0.001	<0.001	<0.001	<0.001
MW - 10	02/04/14	Not Sampled on Current Sample Schedule			
MW - 10	05/28/14	Not Sampled on Current Sample Schedule			
MW - 10	08/23/14	Not Sampled on Current Sample Schedule			
MW - 10	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 10	02/19/15	Not Sampled on Current Sample Schedule			
MW - 10	05/12/15	Not Sampled on Current Sample Schedule			
MW - 10	08/18/15	Not Sampled on Current Sample Schedule			
MW - 10	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 10	02/24/16	Not Sampled on Current Sample Schedule			
MW - 10	06/13/16	Not Sampled on Current Sample Schedule			
MW - 10	08/03/16	Not Sampled on Current Sample Schedule			
MW - 10	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 10	02/21/17	Not Sampled on Current Sample Schedule			
MW - 10	05/24/17	Not Sampled on Current Sample Schedule			
MW - 10	08/11/17	Not Sampled on Current Sample Schedule			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 10	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 10	02/26/18	Not Sampled on Current Sample Schedule			
MW - 10	05/07/18	Not Sampled on Current Sample Schedule			
MW - 10	08/09/18	Not Sampled on Current Sample Schedule			
MW - 10	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 10	02/18/19	Not Sampled on Current Sample Schedule			
MW - 10	05/14/19	Not Sampled on Current Sample Schedule			
MW - 10	08/19/19	Not Sampled on Current Sample Schedule			
MW - 10	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	02/18/20	NS	-	-	-
MW - 10	06/11/20	NS	-	-	-
MW - 10	09/23/20	NS	-	-	-
MW - 10	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	03/23/21	NS	-	-	-
MW - 10	06/04/21	NS	-	-	-
MW - 10	09/30/21	NS	-	-	-
MW - 10	12/09/21	<0.00100	<0.00100	0.00392	0.00298
MW - 10	02/17/22	NS	-	-	-
MW - 10	03/08/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	05/18/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	08/09/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	11/15/22	<0.00100	<0.00100	<0.00100	0.00258
MW - 10	02/14/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	05/16/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	08/08/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	12/07/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	03/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	05/23/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	09/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 10	12/12/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 11	03/02/00	<0.001	<0.001	<0.001	<0.001
MW - 11	04/25/00	<0.001	<0.001	<0.001	<0.001
MW - 11	09/06/00	<0.001	<0.001	<0.001	<0.001
MW - 11	11/28/00	<0.001	<0.001	<0.001	<0.001
MW - 11	02/21/01	<0.001	<0.001	<0.001	<0.001
MW - 11	05/31/01	0.015	<0.001	<0.001	<0.001
MW - 11	08/23/01	0.005	<0.001	<0.001	<0.001
MW - 11	11/21/01	<0.001	<0.001	<0.001	<0.001
MW - 11	02/13/02	<0.001	<0.001	<0.001	<0.001
MW - 11	06/12/02	<0.001	<0.001	<0.001	<0.001
MW - 11	08/26/02	<0.001	<0.001	<0.001	<0.001
MW - 11	11/21/02	<0.001	<0.001	<0.001	<0.001
MW - 11	02/06/03	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 11	05/07/03	<0.001	<0.001	<0.001	<0.001
MW - 11	08/18/03	0.006	<0.001	<0.001	0.006
MW - 11	12/01/03	0.039	<0.001	0.002	0.004
MW - 11	02/05/04	<0.001	<0.001	<0.001	0.017
MW - 11	05/05/04	<0.001	<0.001	<0.001	0.005
MW - 11	09/01/04	<0.001	<0.001	<0.001	0.006
MW - 11	12/15/04	<0.001	<0.001	<0.001	0.002
MW - 11	03/22/05	<0.001	<0.001	<0.001	<0.001
MW - 11	06/22/05	<0.001	<0.001	<0.001	<0.001
MW - 11	09/21/05	<0.001	<0.001	<0.001	<0.001
MW - 11	12/16/05	<0.001	<0.001	<0.001	<0.001
MW - 11	03/20/06	<0.001	<0.001	<0.001	<0.001
MW - 11	06/21/06	<0.001	<0.001	<0.001	<0.001
MW - 11	09/27/06	Not Sampled on Current Sample Schedule			
MW - 11	12/04/06	<0.001	<0.001	<0.001	<0.001
MW - 11	03/14/07	Not Sampled on Current Sample Schedule			
MW - 11	05/29/07	Not Sampled on Current Sample Schedule			
MW - 11	08/30/07	Not Sampled on Current Sample Schedule			
MW - 11	11/12/07	<0.001	<0.001	<0.001	<0.001
MW - 11	03/07/08	Not Sampled on Current Sample Schedule			
MW - 11	06/02/08	Not Sampled on Current Sample Schedule			
MW - 11	09/03/08	Not Sampled on Current Sample Schedule			
MW - 11	12/08/08	<0.001	<0.001	<0.001	<0.001
MW - 11	02/19/09	Not Sampled on Current Sample Schedule			
MW - 11	05/20/09	Not Sampled on Current Sample Schedule			
MW - 11	08/12/09	Not Sampled on Current Sample Schedule			
MW - 11	11/25/09	<0.001	<0.001	<0.001	<0.001
MW - 11	02/11/10	Not Sampled on Current Sample Schedule			
MW - 11	05/17/10	Not Sampled on Current Sample Schedule			
MW - 11	08/16/10	Not Sampled on Current Sample Schedule			
MW - 11	11/10/10	<0.001	<0.001	<0.001	<0.001
MW - 11	02/28/11	Not Sampled on Current Sample Schedule			
MW - 11	05/12/11	Not Sampled on Current Sample Schedule			
MW - 11	08/15/11	Not Sampled on Current Sample Schedule			
MW - 11	11/22/11	<0.001	<0.001	<0.001	<0.001
MW - 11	02/28/12	Not Sampled on Current Sample Schedule			
MW - 11	05/17/12	Not Sampled on Current Sample Schedule			
MW - 11	08/01/12	Not Sampled on Current Sample Schedule			
MW - 11	11/29/12	<0.001	<0.001	<0.001	<0.001
MW - 11	02/11/13	Not Sampled on Current Sample Schedule			
MW - 11	05/06/13	Not Sampled on Current Sample Schedule			
MW - 11	08/06/13	Not Sampled on Current Sample Schedule			
MW - 11	11/18/13	0.0023	<0.001	<0.001	<0.00300
MW - 11	02/04/14	Not Sampled on Current Sample Schedule			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 11	05/28/14	Not Sampled on Current Sample Schedule			
MW - 11	08/23/14	Not Sampled on Current Sample Schedule			
MW - 11	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 11	02/19/15	Not Sampled on Current Sample Schedule			
MW - 11	05/12/15	Not Sampled on Current Sample Schedule			
MW - 11	08/18/15	Not Sampled on Current Sample Schedule			
MW - 11	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 11	02/24/16	Not Sampled on Current Sample Schedule			
MW - 11	06/13/16	Not Sampled on Current Sample Schedule			
MW - 11	08/03/16	Not Sampled on Current Sample Schedule			
MW - 11	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 11	02/21/17	Not Sampled on Current Sample Schedule			
MW - 11	05/24/17	Not Sampled on Current Sample Schedule			
MW - 11	08/11/17	Not Sampled on Current Sample Schedule			
MW - 11	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 11	02/26/18	Not Sampled on Current Sample Schedule			
MW - 11	05/07/18	Not Sampled on Current Sample Schedule			
MW - 11	08/09/18	Not Sampled on Current Sample Schedule			
MW - 11	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 11	02/18/19	Not Sampled on Current Sample Schedule			
MW - 11	05/14/19	Not Sampled on Current Sample Schedule			
MW - 11	08/19/19	Not Sampled on Current Sample Schedule			
MW - 11	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 11	02/18/20	NS	-	-	-
MW - 11	06/11/20	NS	-	-	-
MW - 11	09/23/20	NS	-	-	-
MW - 11	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 11	03/23/21	NS	-	-	-
MW - 11	06/04/21	NS	-	-	-
MW - 11	09/30/21	NS	-	-	-
MW - 11	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 11	02/17/22	NS	-	-	-
MW - 11	05/16/22	NS	-	-	-
MW - 11	08/08/22	NS	-	-	-
MW - 11	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 11	02/13/23	NS	-	-	-
MW - 11	05/16/23	NS	-	-	-
MW - 11	08/08/23	NS	-	-	-
MW - 11	12/08/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 11	03/06/24	NS	-	-	-
MW - 11	05/23/24	NS	-	-	-
MW - 11	09/18/24	NS	-	-	-
MW - 11	12/13/24	<0.00100	<0.00100	<0.00100	<0.00200

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 12	03/02/00	<0.001	<0.001	<0.001	<0.001
MW - 12	04/25/00	<0.001	<0.001	<0.001	<0.001
MW - 12	09/06/00	<0.001	<0.001	<0.001	<0.001
MW - 12	11/28/00	<0.001	<0.001	<0.001	<0.001
MW - 12	02/21/01	<0.001	<0.001	<0.001	<0.001
MW - 12	05/31/01	<0.001	<0.001	<0.001	<0.001
MW - 12	08/23/01	<0.001	<0.001	<0.001	<0.001
MW - 12	11/21/01	<0.001	<0.001	<0.001	<0.001
MW - 12	02/13/02	<0.001	<0.001	<0.001	<0.001
MW - 12	06/12/02	<0.001	<0.001	<0.001	<0.001
MW - 12	08/26/02	<0.001	<0.001	<0.001	<0.001
MW - 12	11/21/02	<0.001	<0.001	<0.001	<0.001
MW - 12	02/06/03	<0.001	<0.001	<0.001	<0.001
MW - 12	05/07/03	<0.001	<0.001	<0.001	<0.001
MW - 12	08/18/03	<0.001	<0.001	<0.001	<0.001
MW - 12	12/01/03	0.002	0.001	<0.001	<0.002
MW - 12	02/05/04	<0.001	<0.001	<0.001	<0.002
MW - 12	12/15/04	<0.001	<0.001	<0.001	<0.001
MW - 12	03/22/05	Not Sampled on Current Sample Schedule			
MW - 12	06/22/05	Not Sampled on Current Sample Schedule			
MW - 12	09/21/05	Not Sampled on Current Sample Schedule			
MW - 12	12/16/05	<0.001	<0.001	<0.001	<0.001
MW - 12	03/20/06	Not Sampled on Current Sample Schedule			
MW - 12	06/21/06	Not Sampled on Current Sample Schedule			
MW - 12	09/27/06	Not Sampled on Current Sample Schedule			
MW - 12	12/04/06	<0.001	<0.001	<0.001	<0.001
MW - 12	03/14/07	Not Sampled on Current Sample Schedule			
MW - 12	05/29/07	Not Sampled on Current Sample Schedule			
MW - 12	08/30/07	Not Sampled on Current Sample Schedule			
MW - 12	11/12/07	<0.001	<0.001	<0.001	<0.001
MW - 12	03/07/08	Not Sampled on Current Sample Schedule			
MW - 12	06/02/08	Not Sampled on Current Sample Schedule			
MW - 12	09/04/08	Not Sampled on Current Sample Schedule			
MW - 12	12/08/08	<0.001	<0.001	<0.001	0.007
MW - 12	02/19/09	<0.001	<0.001	<0.001	<0.001
MW - 12	05/20/09	Not Sampled on Current Sample Schedule			
MW - 12	08/12/09	Not Sampled on Current Sample Schedule			
MW - 12	11/25/09	<0.001	<0.001	<0.001	<0.001
MW - 12	02/11/10	Not Sampled on Current Sample Schedule			
MW - 12	05/17/10	Not Sampled on Current Sample Schedule			
MW - 12	08/16/10	Not Sampled on Current Sample Schedule			
MW - 12	11/10/10	<0.001	<0.001	<0.001	<0.001
MW - 12	02/28/11	Not Sampled on Current Sample Schedule			
MW - 12	05/12/11	Not Sampled on Current Sample Schedule			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 12	08/15/11	Not Sampled on Current Sample Schedule			
MW - 12	11/22/11	<0.001	<0.001	<0.001	<0.001
MW - 12	02/28/12	Not Sampled on Current Sample Schedule			
MW - 12	05/17/12	Not Sampled on Current Sample Schedule			
MW - 12	08/01/12	Not Sampled on Current Sample Schedule			
MW - 12	11/29/12	<0.001	<0.001	<0.001	<0.001
MW - 12	02/11/13	Not Sampled on Current Sample Schedule			
MW - 12	05/06/13	Not Sampled on Current Sample Schedule			
MW - 12	08/06/13	Not Sampled on Current Sample Schedule			
MW - 12	11/18/13	0.386	<0.001	0.0412	0.0058
MW - 12	12/08/13	<0.00100	<0.001	<0.00100	<0.00300
MW - 12	02/04/14	Not Sampled on Current Sample Schedule			
MW - 12	05/28/14	Not Sampled on Current Sample Schedule			
MW - 12	08/23/14	Not Sampled on Current Sample Schedule			
MW - 12	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 12	02/19/15	Not Sampled on Current Sample Schedule			
MW - 12	05/12/15	Not Sampled on Current Sample Schedule			
MW - 12	08/18/15	Not Sampled on Current Sample Schedule			
MW - 12	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 12	02/24/16	Not Sampled on Current Sample Schedule			
MW - 12	06/13/16	Not Sampled on Current Sample Schedule			
MW - 12	08/03/16	Not Sampled on Current Sample Schedule			
MW - 12	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 12	02/21/17	Not Sampled on Current Sample Schedule			
MW - 12	05/24/17	Not Sampled on Current Sample Schedule			
MW - 12	08/11/17	Not Sampled on Current Sample Schedule			
MW - 12	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 12	02/26/18	Not Sampled on Current Sample Schedule			
MW - 12	05/07/18	Not Sampled on Current Sample Schedule			
MW - 12	08/09/18	Not Sampled on Current Sample Schedule			
MW - 12	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 12	02/18/19	Not Sampled on Current Sample Schedule			
MW - 12	05/14/19	Not Sampled on Current Sample Schedule			
MW - 12	08/19/19	Not Sampled on Current Sample Schedule			
MW - 12	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	02/18/20	NS	-	-	-
MW - 12	06/11/20	NS	-	-	-
MW - 12	09/23/20	NS	-	-	-
MW - 12	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	03/23/21	NS	-	-	-
MW - 12	06/04/21	NS	-	-	-
MW - 12	09/30/21	NS	-	-	-
MW - 12	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	02/17/22	NS	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 12	05/16/22	NS	-	-	-
MW - 12	08/08/22	NS	-	-	-
MW - 12	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	02/13/23	NS	-	-	-
MW - 12	05/16/23	NS	-	-	-
MW - 12	08/08/23	NS	-	-	-
MW - 12	12/08/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 12	03/06/24	NS	-	-	-
MW - 12	05/23/24	NS	-	-	-
MW - 12	09/18/24	NS	-	-	-
MW - 12	12/13/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	03/02/00	<0.001	<0.001	<0.001	<0.001
MW - 13	04/25/00	<0.001	<0.001	<0.001	<0.001
MW - 13	09/06/00	<0.001	<0.001	<0.001	<0.001
MW - 13	11/28/00	0.004	<0.001	<0.001	<0.001
MW - 13	02/21/01	<0.001	<0.001	<0.001	<0.001
MW - 13	05/31/01	<0.001	<0.001	<0.001	<0.001
MW - 13	08/23/01	<0.001	<0.001	<0.001	<0.001
MW - 13	11/21/01	<0.001	<0.001	<0.001	<0.001
MW - 13	02/13/02	0.007	<0.001	<0.001	<0.001
MW - 13	06/12/02	0.115	<0.001	<0.001	0.013
MW - 13	08/26/02	0.046	<0.001	<0.001	0.024
MW - 13	11/21/02	0.010	<0.001	<0.001	0.045
MW - 13	02/06/03	<0.001	<0.001	<0.001	0.028
MW - 13	05/07/03	0.003	<0.001	<0.001	0.019
MW - 13	08/18/03	0.002	<0.001	<0.001	0.035
MW - 13	12/01/03	<0.001	<0.001	<0.001	0.018
MW - 13	02/05/04	0.002	<0.001	0.001	0.053
MW - 13	05/05/04	<0.001	<0.001	0.001	0.002
MW - 13	09/01/04	<0.001	<0.001	0.002	0.016
MW - 13	12/15/04	<0.001	<0.001	<0.001	0.002
MW - 13	03/22/05	<0.001	<0.001	<0.001	<0.001
MW - 13	06/22/05	<0.001	<0.001	<0.001	0.005
MW - 13	09/21/05	<0.001	<0.001	<0.001	0.003
MW - 13	12/16/05	<0.001	<0.001	<0.001	0.0074
MW - 13	03/20/06	0.001	<0.001	0.001	0.0106
MW - 13	06/21/06	0.008	<0.001	0.003	0.0064
MW - 13	09/27/06	0.103	<0.001	0.011	0.0115
MW - 13	12/04/06	0.293	<0.001	0.011	0.0094
MW - 13	03/14/07	0.530	<0.005	0.029	0.0161
MW - 13	05/29/07	0.496	<0.005	<0.005	<0.005
MW - 13	08/30/07	0.609	<0.005	0.0201	<0.005
MW - 13	11/12/07	0.350	<0.005	<0.005	<0.005

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 13	03/07/08	0.0279	<0.005	<0.005	<0.005
MW - 13	06/02/08	0.662	<0.001	0.0173	<0.010
MW - 13	09/03/08	0.974	<0.005	0.0143	0.0206
MW - 13	12/08/08	1.200	<0.005	<0.005	<0.005
MW - 13	02/19/09	0.548	<0.005	<0.005	0.0151
MW - 13	05/20/09	0.667	<0.005	0.072	0.1920
MW - 13	08/12/09	1.470	<0.005	0.047	0.1630
MW - 13	11/25/09	1.420	<0.005	<0.005	<0.005
MW - 13	02/11/10	1.920	<0.005	<0.005	<0.005
MW - 13	05/17/10	0.666	<0.005	<0.005	<0.005
MW - 13	08/16/10	1.810	<0.0200	0.0367	<0.0200
MW - 13	11/10/10	2.040	<0.0200	<0.0200	<0.0200
MW - 13	02/28/11	2.160	<0.005	0.0426	<0.005
MW - 13	05/12/11	3.130	<0.0200	0.2550	<0.0200
MW - 13	08/15/11	0.738	<0.0200	<0.0200	<0.0200
MW - 13	11/22/11	0.810	<0.0200	0.0714	<0.0200
MW - 13	02/28/12	0.347	0.140	0.1750	0.4490
MW - 13	05/17/12	0.0059	<0.001	<0.001	<0.001
MW - 13	08/01/12	<0.001	<0.001	<0.001	<0.001
MW - 13	11/29/12	<0.001	<0.001	<0.001	<0.001
MW - 13	02/11/13	<0.001	<0.001	<0.001	<0.001
MW - 13	05/06/13	<0.001	<0.001	<0.001	<0.001
MW - 13	08/06/13	<0.001	<0.001	<0.001	<0.001
MW - 13	11/19/13	<0.001	<0.001	<0.001	<0.001
MW - 13	02/04/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 13	05/28/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 13	08/23/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	02/19/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	05/12/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	08/18/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	02/24/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	06/13/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	08/03/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 13	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 13	02/21/17	<0.00200	<0.00200	<0.00200	<0.00200
MW - 13	05/24/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 13	08/11/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 13	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 13	02/26/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 13	05/07/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 13	08/09/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 13	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 13	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	02/18/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	06/11/20	<0.000500	<0.00100	<0.00100	<0.00200
MW - 13	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	03/23/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	06/04/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	09/30/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	02/17/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	05/17/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	08/08/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	02/13/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	05/16/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	08/08/23	<0.00100	0.00104	<0.00100	0.00416
MW - 13	12/08/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	03/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	05/23/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	09/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 13	12/13/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	03/02/00	0.141	0.032	0.056	0.038
MW - 14	04/25/00	0.368	0.045	0.106	0.061
MW - 14	09/06/00	0.609	0.015	0.124	0.024
MW - 14	11/28/00	0.691	0.022	0.107	0.038
MW - 14	02/21/01	0.921	0.061	0.194	0.114
MW - 14	05/31/01	1.030	0.223	0.172	0.339
MW - 14	08/23/01	1.780	0.865	0.315	0.491
MW - 14	11/21/01	0.623	0.301	0.131	0.162
MW - 14	02/13/02	0.572	0.414	0.142	0.213
MW - 14	06/12/02	0.718	0.470	0.144	0.187
MW - 14	08/26/02	0.606	0.355	0.147	0.188
MW - 14	11/21/02	0.850	0.666	0.178	0.350
MW - 14	02/06/03	1.100	0.651	0.256	0.450
MW - 14	05/07/03	1.880	1.180	0.463	0.839
MW - 14	08/18/03	0.833	0.242	0.235	0.366
MW - 14	12/01/03	0.791	0.319	0.211	0.397
MW - 14	02/05/04	0.763	0.819	0.226	0.492
MW - 14	05/05/04	0.811	0.234	0.233	0.580
MW - 14	12/15/04	0.071	0.019	0.021	0.078

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 14	03/22/05	0.274	0.017	0.049	0.313
MW - 14	06/22/05	0.543	0.283	0.379	1.130
MW - 14	09/21/05	0.413	0.159	0.318	0.996
MW - 14	12/16/05	0.361	0.279	0.291	0.956
MW - 14	03/20/06	0.405	0.300	0.321	1.040
MW - 14	06/21/06	0.414	0.352	0.322	1.060
MW - 14	09/27/06	0.063	0.096	0.075	0.222
MW - 14	12/04/06	0.249	0.157	0.263	0.954
MW - 14	03/14/07	0.194	0.292	0.220	0.751
MW - 14	05/29/07	0.212	0.097	0.251	0.807
MW - 14	08/30/07	0.129	0.0891	0.211	0.671
MW - 14	11/12/07	0.092	0.0249	0.196	0.634
MW - 14	03/07/08	0.0338	<0.001	0.0609	0.464
MW - 14	06/02/08	0.0920	0.0310	0.1470	0.480
MW - 14	09/03/08	0.0933	0.0025	0.2080	0.787
MW - 14	12/08/08	0.0264	<0.001	0.0908	0.399
MW - 14	02/19/09	Not Sampled			
MW - 14	05/20/09	0.0456	0.0053	0.1500	0.580
MW - 14	08/12/09	0.0439	<0.001	0.1570	0.669
MW - 14	11/25/09	0.0181	<0.001	0.0102	0.167
MW - 14	05/17/10	0.0107	<0.001	0.0681	0.248
MW - 14	08/16/10	<0.001	0.0024	0.0372	0.134
MW - 14	11/10/10	0.0057	<0.001	0.0127	0.0494
MW - 14	02/28/11	Not Sampled			
MW - 14	05/12/11	0.0116	<0.001	0.0575	0.1050
MW - 14	08/15/11	<0.001	<0.001	<0.001	<0.001
MW - 14	11/22/11	0.0026	<0.001	0.0166	0.0318
MW - 14	02/28/12	<0.001	<0.001	0.0242	0.0670
MW - 14	05/17/12	<0.001	<0.001	<0.001	0.0017
MW - 14	08/01/12	<0.001	<0.001	<0.001	<0.001
MW - 14	11/29/12	<0.001	<0.001	0.0035	0.0088
MW - 14	02/11/13	<0.001	<0.001	0.0173	0.0444
MW - 14	05/06/13	<0.001	<0.001	0.00740	0.0204
MW - 14	08/06/13	<0.001	<0.001	0.0169	0.0473
MW - 14	11/19/13	0.0019	<0.001	<0.001	<0.00300
MW - 14	02/04/14	0.00130	<0.00100	0.00160	0.0219
MW - 14	05/28/14	<0.00100	<0.00100	<0.00100	0.0158
MW - 14	08/23/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	11/18/14	<0.00100	<0.00100	<0.00100	0.0412
MW - 14	02/19/15	<0.00100	<0.00100	0.00390	0.0254
MW - 14	05/12/15	0.00210	<0.00100	0.00850	0.0445
MW - 14	08/18/15	<0.00100	<0.00100	<0.00100	0.0126
MW - 14	11/23/15	<0.00100	<0.00100	0.00190	0.0183
MW - 14	02/24/16	<0.00100	<0.00100	<0.00100	0.00370

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 14	06/13/16	<0.00100	<0.00100	0.00190	0.0183
MW - 14	08/03/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 14	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 14	02/21/17	<0.00200	<0.00200	0.00421	0.00435
MW - 14	05/24/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 14	08/11/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 14	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 14	02/26/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 14	05/07/18	<0.00200	<0.00200	<0.00200	0.00577
MW - 14	08/09/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 14	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 14	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	11/11/19	<0.00100	<0.00100	0.00111	0.00665
MW - 14	02/18/20	<0.00100	<0.00100	<0.00100	0.00398
MW - 14	06/11/20	0.00194	0.00180	0.00198	0.00523
MW - 14	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	03/23/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	06/04/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	09/30/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	02/17/22	<0.00100	<0.00100	<0.00100	0.00218
MW - 14	03/08/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	05/16/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	08/09/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	11/15/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	02/14/23	<0.00100	<0.00100	0.00114	0.00409
MW - 14	05/16/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	08/08/23	<0.00100	<0.00100	0.00470	0.02543
MW - 14	12/07/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	03/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	05/23/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	09/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 14	12/12/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	03/02/00	<0.001	<0.001	<0.001	<0.001
MW - 15	04/25/00	0.649	<0.001	<0.001	0.018
MW - 15	09/06/00	0.010	<0.001	0.003	0.024
MW - 15	11/28/00	1.380	<0.010	<0.010	0.031
MW - 15	02/21/01	2.870	<0.010	0.011	0.058
MW - 15	05/31/01	3.830	<0.001	0.049	0.101
MW - 15	08/23/01	4.600	0.001	0.077	0.075

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 15	11/21/01	4.000	0.012	0.117	0.084
MW - 15	02/13/02	2.910	0.020	0.128	0.063
MW - 15	06/12/02	5.430	0.004	0.216	0.032
MW - 15	08/26/02	4.590	0.002	0.183	0.230
MW - 15	11/21/02	8.130	0.002	0.384	0.009
MW - 15	02/06/03	2.070	<0.001	0.041	0.010
MW - 15	05/07/03	1.890	<0.001	0.006	<0.001
MW - 15	08/18/03	1.910	0.001	0.122	0.006
MW - 15	12/01/03	1.190	<0.001	0.057	0.006
MW - 15	02/05/04	3.680	0.016	0.191	0.043
MW - 15	05/05/04	1.700	0.026	0.085	0.030
MW - 15	12/15/04	0.545	<0.0200	<0.0200	<0.0200
MW - 15	03/22/05	2.380	0.057	0.163	0.140
MW - 15	06/22/05	7.790	0.125	0.427	0.528
MW - 15	09/21/05	4.470	<0.1	0.241	0.303
MW - 15	12/16/05	5.650	0.103	0.273	0.275
MW - 15	03/20/06	4.720	<0.2	0.217	0.337
MW - 15	06/21/06	3.060	<0.2	<0.2	<0.2
MW - 15	09/27/06	0.806	<0.02	0.031	0.065
MW - 15	12/04/06	2.950	<0.02	0.224	0.346
MW - 15	03/14/07	1.82	<0.05	0.144	0.138
MW - 15	05/29/07	3.73	<0.2	<0.2	<0.2
MW - 15	08/30/07	2.330	<0.002	0.184	0.175
MW - 15	11/12/07	4.370	<0.05	0.487	0.621
MW - 15	03/07/08	0.556	<0.05	<0.05	0.135
MW - 15	06/02/08	1.880	<0.010	0.164	0.210
MW - 15	09/03/08	4.310	<0.0200	0.348	0.387
MW - 15	12/08/08	2.870	<0.0200	0.230	0.181
MW - 15	02/19/09	0.673	<0.005	0.0472	0.0094
MW - 15	05/20/09	2.050	<0.005	0.2190	0.1430
MW - 15	08/12/09	0.510	<0.005	0.0523	0.0653
MW - 15	11/25/09	1.390	<0.005	0.0820	0.0206
MW - 15	02/11/10	1.640	<0.005	0.1410	0.0821
MW - 15	05/21/10	0.787	<0.005	0.0366	0.0447
MW - 15	08/16/10	0.819	<0.0100	0.0350	0.0217
MW - 15	11/10/10	0.0785	<0.0100	<0.0100	<0.0100
MW - 15	02/28/11	0.500	<0.0200	<0.0200	<0.0200
MW - 15	05/12/11	4.210	<0.0200	0.3500	0.4040
MW - 15	08/15/11	1.050	<0.0200	<0.0200	<0.0200
MW - 15	11/22/11	1.490	<0.0200	0.0731	0.0676
MW - 15	02/28/12	0.303	<0.0200	0.1470	0.4200
MW - 15	05/17/12	<0.001	<0.001	<0.001	<0.001
MW - 15	08/01/12	<0.001	<0.001	<0.001	<0.001
MW - 15	11/29/12	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 15	02/11/13	<0.001	<0.001	<0.001	<0.001
MW - 15	05/06/13	<0.001	<0.001	<0.001	<0.001
MW - 15	08/06/13	<0.001	<0.001	<0.001	<0.001
MW - 15	11/19/13	0.0194	<0.001	0.0031	<0.001
MW - 15	12/08/13	<0.00100	<0.001	0.00710	<0.00300
MW - 15	02/04/14	<0.00100	<0.00100	0.00150	<0.00300
MW - 15	05/28/14	0.394	<0.00100	0.0130	<0.00300
MW - 15	08/23/14	0.0254	<0.00100	<0.00100	<0.00100
MW - 15	11/18/14	0.366	<0.00100	0.0249	<0.00100
MW - 15	02/19/15	0.164	<0.00100	0.0104	<0.00100
MW - 15	05/12/15	<0.00100	<0.00100	<0.00100	0.00440
MW - 15	08/18/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 15	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 15	02/24/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 15	06/13/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 15	08/03/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 15	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 15	02/21/17	<0.00200	<0.00200	<0.00200	<0.00200
MW - 15	05/24/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 15	08/11/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 15	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 15	02/26/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 15	05/07/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 15	08/09/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 15	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 15	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	02/18/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	06/11/20	<0.000500	<0.00100	<0.00100	<0.00200
MW - 15	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	03/23/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	06/04/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	09/30/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	02/17/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	03/08/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	05/18/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	08/09/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	11/15/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	02/14/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	05/16/23	<0.00100	<0.00100	<0.00100	<0.00200

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 15	08/08/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	12/07/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	03/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	05/23/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	09/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 15	12/12/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 16	01/10/03	<0.001	<0.001	<0.001	<0.001
MW - 16	05/07/03	<0.001	<0.001	<0.001	<0.001
MW - 16	08/18/03	0.008	0.003	<0.001	0.002
MW - 16	12/01/03	0.014	0.005	0.003	0.005
MW - 16	02/05/04	<0.001	<0.001	<0.001	<0.002
MW - 16	05/05/04	<0.001	<0.001	<0.001	<0.002
MW - 16	12/15/04	<0.001	<0.001	<0.001	<0.001
MW - 16	03/22/05	<0.001	<0.001	<0.001	<0.001
MW - 16	06/22/05	<0.001	<0.001	<0.001	<0.001
MW - 16	09/21/05	<0.005	<0.005	<0.005	<0.005
MW - 16	12/16/05	<0.005	<0.005	<0.005	<0.005
MW - 16	03/20/06	<0.005	<0.005	<0.005	<0.005
MW - 16	06/21/06	<0.001	<0.001	<0.001	<0.001
MW - 16	09/27/06	Not Sampled on Current Sample Schedule			
MW - 16	12/04/06	<0.001	<0.001	<0.001	<0.001
MW - 16	03/14/07	Not Sampled on Current Sample Schedule			
MW - 16	05/29/07	<0.001	<0.001	<0.001	<0.001
MW - 16	08/30/07	Not Sampled on Current Sample Schedule			
MW - 16	11/12/07	<0.001	<0.001	<0.001	<0.001
MW - 16	03/07/08	Not Sampled on Current Sample Schedule			
MW - 16	06/02/08	Not Sampled on Current Sample Schedule			
MW - 16	09/03/08	<0.001	<0.001	<0.001	<0.001
MW - 16	12/08/08	<0.001	<0.001	<0.001	<0.001
MW - 16	02/19/09	Not Sampled on Current Sample Schedule			
MW - 16	05/20/09	<0.001	<0.001	<0.001	<0.001
MW - 16	08/12/09	Not Sampled on Current Sample Schedule			
MW - 16	11/25/09	<0.001	<0.001	<0.001	<0.001
MW - 16	02/11/10	Not Sampled on Current Sample Schedule			
MW - 16	05/21/10	<0.001	<0.001	<0.001	<0.001
MW - 16	08/16/10	Not Sampled on Current Sample Schedule			
MW - 16	11/10/10	<0.001	<0.001	<0.001	<0.001
MW - 16	02/28/11	Not Sampled on Current Sample Schedule			
MW - 16	05/12/11	<0.001	<0.001	<0.001	<0.001
MW - 16	08/15/11	Not Sampled on Current Sample Schedule			
MW - 16	11/22/11	<0.001	<0.001	<0.001	<0.001
MW - 16	02/28/12	Not Sampled on Current Sample Schedule			
MW - 16	05/17/12	<0.001	<0.001	<0.001	<0.001

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 16	08/01/12	Not Sampled on Current Sample Schedule			
MW - 16	11/29/12	<0.001	<0.001	<0.001	<0.001
MW - 16	02/11/13	Not Sampled on Current Sample Schedule			
MW - 16	05/06/13	<0.001	<0.001	<0.001	<0.001
MW - 16	08/06/13	Not Sampled on Current Sample Schedule			
MW - 16	11/19/13	<0.001	<0.001	<0.001	<0.001
MW - 16	02/04/14	Not Sampled on Current Sample Schedule			
MW - 16	05/28/14	Not Sampled on Current Sample Schedule			
MW - 16	08/23/14	Not Sampled on Current Sample Schedule			
MW - 16	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 16	02/19/15	Not Sampled on Current Sample Schedule			
MW - 16	05/12/15	Not Sampled on Current Sample Schedule			
MW - 16	08/18/15	Not Sampled on Current Sample Schedule			
MW - 16	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 16	02/24/16	Not Sampled on Current Sample Schedule			
MW - 16	06/13/16	Not Sampled on Current Sample Schedule			
MW - 16	08/03/16	Not Sampled on Current Sample Schedule			
MW - 16	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 16	02/21/17	Not Sampled on Current Sample Schedule			
MW - 16	05/24/17	Not Sampled on Current Sample Schedule			
MW - 16	08/11/17	Not Sampled on Current Sample Schedule			
MW - 16	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 16	02/26/18	Not Sampled on Current Sample Schedule			
MW - 16	05/07/18	Not Sampled on Current Sample Schedule			
MW - 16	08/09/18	Not Sampled on Current Sample Schedule			
MW - 16	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 16	02/18/19	Not Sampled on Current Sample Schedule			
MW - 16	05/14/19	Not Sampled on Current Sample Schedule			
MW - 16	08/19/19	Not Sampled on Current Sample Schedule			
MW - 16	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 16	02/18/20	NS	-	-	-
MW - 16	06/11/20	NS	-	-	-
MW - 16	09/23/20	NS	-	-	-
MW - 16	12/24/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 16	03/23/21	NS	-	-	-
MW - 16	06/04/21	NS	-	-	-
MW - 16	09/30/21	NS	-	-	-
MW - 16	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 16	02/17/22	NS	-	-	-
MW - 16	05/16/22	NS	-	-	-
MW - 16	08/08/22	NS	-	-	-
MW - 16	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 16	02/13/23	NS	-	-	-
MW - 16	05/16/23	NS	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 16	08/08/23	NS	-	-	-
MW - 16	12/08/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 16	03/06/24	NS	-	-	-
MW - 16	05/23/24	NS	-	-	-
MW - 16	09/18/24	NS	-	-	-
MW - 16	12/13/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 17	01/10/03	<0.001	<0.001	<0.001	<0.001
MW - 17	05/07/03	<0.001	<0.001	<0.001	<0.001
MW - 17	08/18/03	<0.001	<0.001	<0.001	<0.001
MW - 17	12/01/03	<0.001	<0.001	<0.001	<0.002
MW - 17	02/05/04	<0.001	<0.001	<0.001	<0.002
MW - 17	05/05/04	<0.001	<0.001	<0.001	<0.002
MW - 17	09/01/04	<0.001	<0.001	<0.001	<0.002
MW - 17	12/15/04	<0.001	<0.001	<0.001	<0.001
MW - 17	03/22/05	<0.001	<0.001	<0.001	<0.001
MW - 17	06/22/05	<0.001	<0.001	<0.001	<0.001
MW - 17	09/21/05	<0.001	<0.001	<0.001	<0.001
MW - 17	12/16/05	<0.001	<0.001	<0.001	<0.001
MW - 17	03/20/06	<0.001	<0.001	<0.001	<0.001
MW - 17	06/21/06	Not Sampled			
MW - 17	08/09/06	Plugged and Abandoned			
MW - 18	08/12/09	<0.001	<0.001	<0.001	<0.001
MW - 18	11/25/09	<0.001	<0.001	<0.001	<0.001
MW - 18	02/11/10	<0.001	<0.001	<0.001	<0.001
MW - 18	05/17/10	<0.001	<0.001	<0.001	<0.001
MW - 18	08/16/10	<0.001	<0.001	<0.001	<0.001
MW - 18	11/10/10	<0.001	<0.001	<0.001	<0.001
MW - 18	02/28/11	<0.001	<0.001	<0.001	<0.001
MW - 18	05/12/11	<0.001	<0.001	<0.001	<0.001
MW - 18	08/15/11	<0.001	<0.001	<0.001	<0.001
MW - 18	11/22/11	<0.001	<0.001	<0.001	<0.001
MW - 18	02/28/12	<0.001	<0.001	<0.001	<0.001
MW - 18	05/17/12	<0.001	<0.001	<0.001	<0.001
MW - 18	08/01/12	<0.001	<0.001	<0.001	<0.001
MW - 18	11/29/12	<0.001	<0.001	<0.001	<0.001
MW - 18	02/11/13	<0.001	<0.001	<0.001	<0.001
MW - 18	05/06/13	<0.001	<0.001	<0.001	<0.001
MW - 18	08/06/13	<0.001	<0.001	<0.001	<0.001
MW - 18	11/19/13	<0.001	<0.001	<0.001	<0.001
MW - 18	02/04/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 18	05/28/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 18	08/23/14	<0.00100	<0.00100	<0.00100	<0.00100

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
MW - 18	11/18/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 18	02/19/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 18	05/12/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 18	08/18/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 18	11/23/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 18	02/24/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 18	06/13/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 18	08/03/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 18	11/28/16	<0.00200	<0.00200	<0.00200	<0.00200
MW - 18	02/21/17	<0.00200	<0.00200	<0.00200	<0.00200
MW - 18	05/24/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 18	08/11/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 18	11/28/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 18	02/26/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 18	05/07/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 18	08/09/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 18	11/14/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 18	02/18/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	05/14/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	08/19/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	11/11/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	02/18/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	06/11/20	<0.000500	<0.00100	<0.00100	<0.00200
MW - 18	09/23/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	12/04/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	03/23/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	06/04/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	09/30/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	12/09/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	02/17/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	05/17/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	08/08/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	11/16/22	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	02/13/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	05/16/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	08/08/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	12/08/23	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	03/06/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	05/23/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	09/19/24	<0.00100	<0.00100	<0.00100	<0.00200
MW - 18	12/13/24	<0.00100	<0.00100	<0.00100	<0.00200
RW - 1	03/22/05	Not Sampled Due to PSH in Well			
RW - 1	06/22/05	Not Sampled Due to PSH in Well			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
RW - 1	09/21/05	Not Sampled Due to PSH in Well			
RW - 1	12/16/05	Not Sampled Due to PSH in Well			
RW - 1	03/20/06	Not Sampled Due to PSH in Well			
RW - 1	06/21/06	Not Sampled Due to PSH in Well			
RW - 1	09/27/06	Not Sampled Due to PSH in Well			
RW - 1	12/04/06	Not Sampled Due to PSH in Well			
RW - 1	03/14/07	Not Sampled Due to PSH in Well			
RW - 1	05/29/07	Not Sampled Due to PSH in Well			
RW - 1	08/30/07	Not Sampled Due to PSH in Well			
RW - 1	11/12/07	Not Sampled Due to PSH in Well			
RW - 1	03/07/08	Not Sampled Due to PSH in Well			
RW - 1	06/02/08	Not Sampled Due to PSH in Well			
RW - 1	09/03/08	Not Sampled Due to PSH in Well			
RW - 1	12/10/08	10.10	2.440	0.792	1.500
RW - 1	02/19/09	Not Sampled Due to PSH in Well			
RW - 1	05/20/09	Not Sampled Due to PSH in Well			
RW - 1	08/12/09	Not Sampled Due to PSH in Well			
RW - 1	11/25/09	11.10	5.480	0.946	2.270
RW - 1	02/11/10	Not Sampled Due to PSH in Well			
RW - 1	05/17/10	Not Sampled Due to PSH in Well			
RW - 1	08/16/10	Not Sampled Due to PSH in Well			
RW - 1	11/10/10	Not Sampled Due to PSH in Well			
RW - 1	02/28/11	Not Sampled Due to PSH in Well			
RW - 1	05/12/11	Not Sampled Due to PSH in Well			
RW - 1	08/15/11	Not Sampled Due to PSH in Well			
RW - 1	11/22/11	Not Sampled Due to PSH in Well			
RW - 1	02/28/12	Not Sampled Due to PSH in Well			
RW - 1	05/17/12	Not Sampled Due to PSH in Well			
RW - 1	08/01/12	Not Sampled Due to PSH in Well			
RW - 1	11/29/12	Not Sampled Due to PSH in Well			
RW - 1	02/11/13	Not Sampled Due to PSH in Well			
RW - 1	05/06/13	Not Sampled Due to PSH in Well			
RW - 1	08/06/13	Not Sampled Due to PSH in Well			
RW - 1	11/18/13	Not Sampled Due to PSH in Well			
RW - 1	02/04/14	Not Sampled Due to PSH in Well			
RW - 1	05/28/14	Not Sampled Due to PSH in Well			
RW - 1	08/23/14	2.62	0.746	0.384	0.797
RW - 1	11/18/14	Not Sampled Due to PSH in Well			
RW - 1	02/19/15	Not Sampled Due to PSH in Well			
RW - 1	05/12/15	Not Sampled Due to PSH in Well			
RW - 1	08/18/15	Not Sampled Due to PSH in Well			
RW - 1	11/23/15	Not Sampled Due to PSH in Well			
RW - 1	02/24/16	Not Sampled Due to PSH in Well			
RW - 1	06/13/16	Not Sampled Due to PSH in Well			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
RW - 1	08/03/16	Not Sampled Due to PSH in Well			
RW - 1	11/28/16	Not Sampled Due to PSH in Well			
RW - 1	02/21/17	Not Sampled Due to PSH in Well			
RW - 1	05/24/17	Not Sampled Due to PSH in Well			
RW - 1	08/11/17	Not Sampled Due to PSH in Well			
RW - 1	11/28/17	Not Sampled Due to PSH in Well			
RW - 1	02/26/18	Not Sampled Due to PSH in Well			
RW - 1	05/07/18	Not Sampled Due to PSH in Well			
RW - 1	08/09/18	Not Sampled Due to PSH in Well			
RW - 1	11/14/18	Not Sampled Due to PSH in Well			
RW - 1	02/18/19	Not Sampled Due to PSH in Well			
RW - 1	05/14/19	Not Sampled Due to PSH in Well			
RW - 1	08/19/19	Not Sampled Due to PSH in Well			
RW - 1	11/11/19	Not Sampled Due to PSH in Well			
RW - 1	02/18/20	PSH	-	-	-
RW - 1	06/11/20	PSH	-	-	-
RW - 1	09/23/20	PSH	-	-	-
RW - 1	12/04/20	PSH	-	-	-
RW - 1	03/23/21	PSH	-	-	-
RW - 1	06/04/21	PSH	-	-	-
RW - 1	09/30/21	PSH	-	-	-
RW - 1	12/09/21	6.25	0.306	0.598	1.536
RW - 1	02/17/22	PSH	-	-	-
RW - 1	05/18/22	PSH	-	-	-
RW - 1	08/09/22	PSH	-	-	-
RW - 1	11/14/22	PSH	-	-	-
RW - 1	02/13/23	PSH	-	-	-
RW - 1	05/16/23	PSH	-	-	-
RW - 1	08/08/23	PSH	-	-	-
RW - 1	12/08/23	PSH	-	-	-
RW - 1	03/06/24	PSH	-	-	-
RW - 1	05/23/24	PSH	-	-	-
RW - 1	09/18/24	PSH	-	-	-
RW - 1	12/12/24	PSH	-	-	-
RW - 2	08/16/10	Not Sampled Due to PSH in Well			
RW - 2	11/10/10	Not Sampled Due to PSH in Well			
RW - 2	02/28/11	Not Sampled Due to PSH in Well			
RW - 2	05/12/11	Not Sampled Due to PSH in Well			
RW - 2	08/15/11	Not Sampled Due to PSH in Well			
RW - 2	11/22/11	Not Sampled Due to PSH in Well			
RW - 2	02/28/12	Not Sampled Due to PSH in Well			
RW - 2	05/17/12	Not Sampled Due to PSH in Well			
RW - 2	08/01/12	Not Sampled Due to PSH in Well			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
RW - 2	11/29/12	Not Sampled Due to PSH in Well			
RW - 2	02/11/13	Not Sampled Due to PSH in Well			
RW - 2	05/06/13	Not Sampled Due to PSH in Well			
RW - 2	08/06/13	Not Sampled Due to PSH in Well			
RW - 2	11/18/13	Not Sampled Due to PSH in Well			
RW - 2	02/04/14	Not Sampled Due to PSH in Well			
RW - 2	05/28/14	Not Sampled Due to PSH in Well			
RW - 2	08/23/14	Not Sampled Due to PSH in Well			
RW - 2	11/18/14	Not Sampled Due to PSH in Well			
RW - 2	02/19/15	Not Sampled Due to PSH in Well			
RW - 2	05/12/15	Not Sampled Due to PSH in Well			
RW - 2	08/18/15	Not Sampled Due to PSH in Well			
RW - 2	11/23/15	Not Sampled Due to PSH in Well			
RW - 2	02/24/16	Not Sampled Due to PSH in Well			
RW - 2	06/13/16	Not Sampled Due to PSH in Well			
RW - 2	08/03/16	Not Sampled Due to PSH in Well			
RW - 2	11/28/16	Not Sampled Due to PSH in Well			
RW - 2	02/21/17	Not Sampled Due to PSH in Well			
RW - 2	05/24/17	Not Sampled Due to PSH in Well			
RW - 2	08/11/17	Not Sampled Due to PSH in Well			
RW - 2	11/28/17	Not Sampled Due to PSH in Well			
RW - 2	02/26/18	Not Sampled Due to PSH in Well			
RW - 2	05/07/18	Not Sampled Due to PSH in Well			
RW - 2	08/09/18	Not Sampled Due to PSH in Well			
RW - 2	11/14/18	Not Sampled Due to PSH in Well			
RW - 2	02/18/19	Not Sampled Due to PSH in Well			
RW - 2	05/14/19	Not Sampled Due to PSH in Well			
RW - 2	08/19/19	Not Sampled Due to PSH in Well			
RW - 2	11/11/19	Not Sampled Due to PSH in Well			
RW - 2	02/18/20	PSH	-	-	-
RW - 2	06/11/20	PSH	-	-	-
RW - 2	09/23/20	PSH	-	-	-
RW - 2	12/04/20	PSH	-	-	-
RW - 2	03/23/21	PSH	-	-	-
RW - 2	06/04/21	PSH	-	-	-
RW - 2	09/30/21	PSH	-	-	-
RW - 2	12/09/21	3.43	0.00346	0.215	0.261
RW - 2	02/17/22	PSH	-	-	-
RW - 2	05/18/22	PSH	-	-	-
RW - 2	08/09/22	PSH	-	-	-
RW - 2	11/14/22	PSH	-	-	-
RW - 2	02/13/23	PSH	-	-	-
RW - 2	05/16/23	PSH	-	-	-
RW - 2	08/08/23	PSH	-	-	-

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
RW - 2	12/08/23	PSH	-	-	-
RW - 2	03/06/24	PSH	-	-	-
RW - 2	05/23/24	PSH	-	-	-
RW - 2	09/18/24	PSH	-	-	-
RW - 2	12/12/24	PSH	-	-	-
RW - 3	08/16/10	Not Sampled Due to PSH in Well			
RW - 3	11/10/10	Not Sampled Due to PSH in Well			
RW - 3	02/28/11	Not Sampled Due to PSH in Well			
RW - 3	05/12/11	Not Sampled Due to PSH in Well			
RW - 3	08/15/11	Not Sampled Due to PSH in Well			
RW - 3	11/22/11	Not Sampled Due to PSH in Well			
RW - 3	02/28/12	Not Sampled Due to PSH in Well			
RW - 3	05/17/12	Not Sampled Due to PSH in Well			
RW - 3	08/01/12	Not Sampled Due to PSH in Well			
RW - 3	11/29/12	Not Sampled Due to PSH in Well			
RW - 3	02/11/13	Not Sampled Due to PSH in Well			
RW - 3	05/06/13	Not Sampled Due to PSH in Well			
RW - 3	08/06/13	Not Sampled Due to PSH in Well			
RW - 3	11/18/13	Not Sampled Due to PSH in Well			
RW - 3	02/04/14	Not Sampled Due to PSH in Well			
RW - 3	05/28/14	Not Sampled Due to PSH in Well			
RW - 3	08/23/14	Not Sampled Due to PSH in Well			
RW - 3	11/18/14	Not Sampled Due to PSH in Well			
RW - 3	02/19/15	Not Sampled Due to PSH in Well			
RW - 3	05/12/15	Not Sampled Due to PSH in Well			
RW - 3	08/18/15	Not Sampled Due to PSH in Well			
RW - 3	11/23/15	Not Sampled Due to PSH in Well			
RW - 3	02/24/16	Not Sampled Due to PSH in Well			
RW - 3	06/13/16	Not Sampled Due to PSH in Well			
RW - 3	08/03/16	Not Sampled Due to PSH in Well			
RW - 3	11/28/16	Not Sampled Due to PSH in Well			
RW - 3	02/21/17	Not Sampled Due to PSH in Well			
RW - 3	05/24/17	Not Sampled Due to PSH in Well			
RW - 3	08/11/17	Not Sampled Due to PSH in Well			
RW - 3	11/28/17	Not Sampled Due to PSH in Well			
RW - 3	02/26/18	Not Sampled Due to PSH in Well			
RW - 3	05/07/18	Not Sampled Due to PSH in Well			
RW - 3	08/09/18	Not Sampled Due to PSH in Well			
RW - 3	11/14/18	Not Sampled Due to PSH in Well			
RW - 3	02/18/19	Not Sampled Due to PSH in Well			
RW - 3	05/14/19	Not Sampled Due to PSH in Well			
RW - 3	08/19/19	Not Sampled Due to PSH in Well			
RW - 3	11/11/19	Not Sampled Due to PSH in Well			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
RW - 3	02/18/20	PSH	-	-	-
RW - 3	06/11/20	PSH	-	-	-
RW - 3	09/23/20	PSH	-	-	-
RW - 3	12/04/20	PSH	-	-	-
RW - 3	03/23/21	PSH	-	-	-
RW - 3	06/04/21	PSH	-	-	-
RW - 3	09/30/21	PSH	-	-	-
RW - 3	12/09/21	18.8	0.0236	2.17	5.007
RW - 3	02/17/22	PSH	-	-	-
RW - 3	05/18/22	PSH	-	-	-
RW - 3	08/09/22	PSH	-	-	-
RW - 3	11/14/22	PSH	-	-	-
RW - 3	02/13/23	PSH	-	-	-
RW - 3	05/16/23	PSH	-	-	-
RW - 3	08/08/23	PSH	-	-	-
RW - 3	12/08/23	PSH	-	-	-
RW - 3	03/06/24	PSH	-	-	-
RW - 3	05/23/24	PSH	-	-	-
RW - 3	09/18/24	PSH	-	-	-
RW - 3	12/12/24	PSH	-	-	-
RW - 4	08/16/10	Not Sampled Due to PSH in Well			
RW - 4	11/10/10	Not Sampled Due to PSH in Well			
RW - 4	02/28/11	Not Sampled Due to PSH in Well			
RW - 4	05/12/11	Not Sampled Due to PSH in Well			
RW - 4	08/15/11	Not Sampled Due to PSH in Well			
RW - 4	11/22/11	Not Sampled Due to PSH in Well			
RW - 4	02/28/12	Not Sampled Due to PSH in Well			
RW - 4	05/17/12	Not Sampled Due to PSH in Well			
RW - 4	08/01/12	Not Sampled Due to PSH in Well			
RW - 4	11/29/12	Not Sampled Due to PSH in Well			
RW - 4	02/11/13	Not Sampled Due to PSH in Well			
RW - 4	05/06/13	Not Sampled Due to PSH in Well			
RW - 4	08/06/13	Not Sampled Due to PSH in Well			
RW - 4	11/18/13	Not Sampled Due to PSH in Well			
RW - 4	02/04/14	Not Sampled Due to PSH in Well			
RW - 4	05/28/14	Not Sampled Due to PSH in Well			
RW - 4	08/23/14	3.37	2.35	0.735	1.60
RW - 4	11/18/14	Not Sampled Due to PSH in Well			
RW - 4	02/19/15	Not Sampled Due to PSH in Well			
RW - 4	05/12/15	Not Sampled Due to PSH in Well			
RW - 4	08/18/15	Not Sampled Due to PSH in Well			
RW - 4	11/23/15	Not Sampled Due to PSH in Well			
RW - 4	02/24/16	Not Sampled Due to PSH in Well			

TABLE 5

HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.
 TNM 97-04 (TOWNSEND)
 SRS NO. TNM 97-04
 LEA COUNTY, NEW MEXICO
 NMOCD INCIDENT NO. nAPP2109542446

WELL ID	SAMPLE DATE	BENZENE	TOLUENE	ETHYLBENZENE	TOTAL XYLENES
New Mexico Water Quality Control Commission (NMWQCC) Human Health Standards		0.01	0.75	0.75	0.62
RW - 4	06/13/16	Not Sampled Due to PSH in Well			
RW - 4	08/03/16	Not Sampled Due to PSH in Well			
RW - 4	11/28/16	Not Sampled Due to PSH in Well			
RW - 4	02/21/17	Not Sampled Due to PSH in Well			
RW - 4	05/24/17	Not Sampled Due to PSH in Well			
RW - 4	08/11/17	Not Sampled Due to PSH in Well			
RW - 4	11/28/17	Not Sampled Due to PSH in Well			
RW - 4	02/26/18	Not Sampled Due to PSH in Well			
RW - 4	05/07/18	Not Sampled Due to PSH in Well			
RW - 4	08/09/18	Not Sampled Due to PSH in Well			
RW - 4	11/14/18	Not Sampled Due to PSH in Well			
RW - 4	02/18/19	Not Sampled Due to PSH in Well			
RW - 4	05/14/19	Not Sampled Due to PSH in Well			
RW - 4	08/19/19	Not Sampled Due to PSH in Well			
RW - 4	11/11/19	Not Sampled Due to PSH in Well			
RW - 4	02/18/20	PSH	-	-	-
RW - 4	06/11/20	PSH	-	-	-
RW - 4	09/23/20	PSH	-	-	-
RW - 4	12/04/20	PSH	-	-	-
RW - 4	03/23/21	PSH	-	-	-
RW - 4	06/04/21	PSH	-	-	-
RW - 4	09/30/21	PSH	-	-	-
RW - 4	12/09/21	12.1	0.0204	1.35	2.554
RW - 4	02/17/22	PSH	-	-	-
RW - 4	05/18/22	PSH	-	-	-
RW - 4	08/09/22	PSH	-	-	-
RW - 4	11/14/22	PSH	-	-	-
RW - 4	02/13/23	PSH	-	-	-
RW - 4	05/16/23	PSH	-	-	-
RW - 4	08/08/23	PSH	-	-	-
RW - 4	12/08/23	PSH	-	-	-
RW - 4	03/06/24	PSH	-	-	-
RW - 4	05/23/24	PSH	-	-	-
RW - 4	09/18/24	PSH	-	-	-
RW - 4	12/12/24	PSH	-	-	-

Notes:

1. Benzene, toluene, ethylbenzene, and total xylenes (BTEX) analysis by Environmental Protection Agency (EPA) Method SW846-8021B.
2. All reported concentrations are reported as milligrams per liter (mg/L).
3. Bold font indicates laboratory results exceeding NMWQCC Human Health Standards.
4. < - Not detected above the Sample Detection Limit.
5. NS - Not sampled.
6. '-' - No data available for corresponding date.
7. PSH - Phase Separated Hydrocarbons.
8. P&A - Plugged and abandoned.

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

SAMPLE LOCATION		SAMPLE DATE	EPA SW846-8270C, 3510																	
			Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			---
MW-2	12/10/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0109	<0.000922	<0.000922	0.0429	<0.000922	0.0587	<0.000922	0.232	0.354	0.417	0.0377
MW-2	11/25/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0276	<0.000922	0.0378	<0.000922	0.207	0.274	0.337	0.0267
MW-2	11/10/10	NS																		
MW-2	12/15/11	PSH																		
MW-2	11/29/12	PSH																		
MW-2	11/18/13	PSH																		
MW-2	11/18/14	PSH																		
MW-2	11/23/15	PSH																		
MW-2	11/28/16	PSH																		
MW-2	11/28/17	PSH																		
MW-2	11/14/18	PSH																		
MW-2	11/11/19	PSH																		
MW-2	12/04/20	PSH																		
MW-2	12/09/21	0.0024	0.00030	0.00020	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00026	0.0024	<0.00010	0.0043	<0.00010	0.029		0.0035	
MW-2	11/15/22	PSH																		
MW-2	12/07/23	PSH																		
MW-2	12/11/24	PSH																		
MW-3	12/10/08	<0.000184	0.00934	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00578	<0.000184	<0.000184	0.024	<0.000184	0.0368	<0.000184	0.192	0.348	0.409	0.0228
MW-3	11/25/09	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	<0.0370	0.788	<0.0370	1.06	<0.0370	3.87	7.02	8.74	0.626
MW-3	11/10/10	NS																		
MW-3	12/15/11	PSH																		
MW-3	11/29/12	PSH																		
MW-3	11/18/13	PSH																		
MW-3	11/18/14	PSH																		
MW-3	11/23/15	PSH																		
MW-3	11/28/16	PSH																		
MW-3	11/28/17	PSH																		
MW-3	11/14/18	PSH																		
MW-3	11/11/19	PSH																		
MW-3	12/04/20	PSH																		
MW-3	12/09/21	0.00088	0.00014	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0018	<0.00010	0.0018	<0.00010	0.0411		0.0022	
MW-3	11/15/22	PSH																		
MW-3	12/07/23	PSH																		
MW-3	12/11/24	PSH																		
MW-4	12/10/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.0039	<0.000184	0.00376	<0.000184	0.0668	0.0435	0.0423	0.00414
MW-4	11/25/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.0143	<0.000917	0.0181	<0.000917	0.103	0.118	0.089	0.0123
MW-4	11/10/10	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00338	<0.000184	0.00404	<0.000184	0.0279	0.035	0.0188	0.00247
MW-4	12/15/11	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	<0.000187	0.00322	<0.000187	0.00423	<0.000187	0.0469	0.0371	0.0317	0.00409
MW-4	11/29/12	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.00306	<0.000190	<0.000190	0.0081	<0.000190	0.0123	<0.000190	0.0274	0.0289	0.0235	0.00877
MW-4	11/19/13	<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	0.0877	0.109	0.121	12.6
MW-4	11/18/14	PSH																		
MW-4	11/23/15	PSH																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

SAMPLE LOCATION		SAMPLE DATE	EPA SW846-8270C, 3510																	
			Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.				0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L		0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L		0.03 mg/L		
MW-4	11/28/16	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571	<0.000571
MW-4	11/28/17	PSH																		
MW-4	11/14/18	PSH																		
MW-4	11/11/19	0.011	0.010	0.025	<0.00097	<0.00097	0.0050	<0.00097	0.0024	0.059	<0.00097	0.013	0.25	<0.00097	0.36	0.015		7.6		0.23
MW-4	12/04/20	PSH																		
MW-4	12/09/21	0.0013	0.00015	0.00011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00011	0.0016	<0.00010	0.0031	<0.00010		0.0187		0.0028
MW-4	11/15/22	PSH																		
MW-4	12/07/23	PSH																		
MW-4	12/11/24	PSH																		
NS																				
MW-5	12/10/08	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	<0.000935	0.0424	<0.000935	0.192	0.301	0.346		0.0316
MW-5	11/25/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00909	<0.000184	0.0104	<0.000184	0.0905	0.0931	0.107	0.00848
MW-5	11/10/10	NS																		
MW-5	12/15/11	PSH																		
MW-5	11/29/12	PSH																		
MW-5	11/18/13	PSH																		
MW-5	11/18/14	PSH																		
MW-5	11/23/15	PSH																		
MW-5	11/28/16	PSH																		
MW-5	11/28/17	PSH																		
MW-5	14/14/18	PSH																		
MW-5	11/11/19	PSH																		
MW-5	12/04/20	PSH																		
MW-5	12/09/21	0.0011	0.00015	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0022	<0.00010	0.0020	<0.00010		0.089		0.0031
MW-5	11/15/22	0.00046	0.00053	0.00050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00053	<0.00010	<0.00010	0.0072	<0.00010	0.0064	<0.00010		0.238		
MW-5	12/07/23	0.018	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.84	0.18	0.043	0.024		1.849		0.13
MW-5	12/11/24	PSH																		
NS																				
MW-6	12/10/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00706	<0.000184	0.0921	0.0687	0.0744		0.00635
MW-6	11/25/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0528	<0.000922	0.0648	<0.000922	0.294	0.498	0.569	0.0467
MW-6	11/10/10	NS																		
MW-6	12/15/11	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.00132	<0.000190	0.00137	<0.000190	0.0179	0.0212	0.0179	0.00158
MW-6	11/29/12	PSH																		
MW-6	11/18/13	PSH																		
MW-6	11/18/14	PSH																		
MW-6	11/23/15	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
MW-6	11/28/16	0.00125	0.000696	0.000640	<0.000290	0.000687	0.000477	<0.000290	0.000406	0.00204	<0.000290	0.000652	0.00371	<0.000290	0.00758	0.000628		0.0109		0.00350
MW-6	11/28/17	PSH																		
MW-6	11/14/18	PSH																		
MW-6	11/11/19	PSH																		
MW-6	12/04/20	PSH																		
MW-6	12/09/21	0.00064	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00055	<0.00011	0.00021	<0.00011		0.0020		0.00061
MW-6	11/15/22	0.0054	0.0023	0.00092	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0020	<0.00010	<0.00010	0.0016	<0.00010	0.0015	<0.00010		0.0131		
MW-6	12/07/23	<0.00010	<0.00010	0.00092	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00048	<0.00010	<0.00010	<0.00010	1.4		0.00329		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---	
MW-6	12/11/24	PSH																		
MW-7	12/08/08	<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	0.0002	<0.000184	<0.000184	<0.000184	
MW-7	11/25/09	<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	
MW-7	11/10/10	NS																		
MW-7	12/15/11	NS																		
MW-7	11/29/12	NS																		
MW-7	11/19/13	NS																		
MW-7	11/18/14	NS																		
MW-7	11/23/15	NS																		
MW-7	11/28/16	NS																		
MW-7	11/28/17	NS																		
MW-7	11/14/18	NS																		
MW-7	11/11/19	NS																		
MW-7	12/04/20	NS																		
MW-7	12/09/21	NS																		
MW-7	11/16/22	NS																		
MW-7	12/07/23	NS																		
MW-7	12/11/24	NS																		
MW-9	12/10/08	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	0.0134	<0.000926	0.016	<0.000926	0.102	0.122	0.138	0.0127	
MW-9	11/25/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.0250	<0.000917	0.0315	<0.000917	0.125	0.221	0.253	0.0201	
MW-9	11/10/10	NS																		
MW-9	12/15/11	PSH																		
MW-9	11/29/12	PSH																		
MW-9	11/18/13	PSH																		
MW-9	11/18/14	PSH																		
MW-9	11/23/15	PSH																		
MW-9	11/28/16	PSH																		
MW-9	11/28/17	PSH																		
MW-9	11/14/18	PSH																		
MW-9	11/11/19	0.013	0.0064	0.023	<0.00098	0.0015	0.0048	<0.00098	0.0038	0.054	<0.00098	0.013	0.29	<0.00098	0.49	0.014	6.2		0.26	
MW-9	12/04/20	PSH																		
MW-9	12/09/21	0.0023	0.00033	0.00030	0.0023	<0.00010	<0.00010	<0.00010	<0.00010	0.00038	<0.00010	<0.00010	0.0051	<0.00010	0.0059	<0.00010	0.047		0.0049	
MW-9	11/15/22	0.00012	0.00019	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0030	<0.00010	0.0033	<0.00010	0.103		-	
MW-9	12/07/23	0.00034	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0041	0.035	0.0051	<0.0010	<0.0010	<0.0010	0.00075		-	
MW-9	12/11/24	PSH																		
MW-10	12/08/08	<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	
MW-10	11/25/09	<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	
MW-10	11/10/10	NS																		
MW-10	12/15/11	NS																		
MW-10	11/29/12	NS																		
MW-10	11/18/13	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

SAMPLE LOCATION		SAMPLE DATE	EPA SW846-8270C, 3510																	
			Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenzo[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.				0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L		0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L			
MW-10	11/18/14	NS																		
MW-10	11/23/15	NS																		
MW-10	11/28/16	NS																		
MW-10	11/28/17	NS																		
MW-10	11/14/18	NS																		
MW-10	11/11/19	NS																		
MW-10	12/04/20	NS																		
MW-10	12/09/21	NS																		
MW-10	11/15/22	NS																		
MW-10	12/07/23	NS																		
MW-10	12/11/24	NS																		
MW-11	12/08/08	<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-11	11/25/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
MW-11	11/10/10	NS																		
MW-11	12/15/11	NS																		
MW-11	11/29/12	NS																		
MW-11	11/18/13	NS																		
MW-11	11/18/14	NS																		
MW-11	11/23/15	NS																		
MW-11	11/28/16	NS																		
MW-11	11/28/17	NS																		
MW-11	11/14/18	NS																		
MW-11	11/11/19	NS																		
MW-11	12/04/20	NS																		
MW-11	12/09/21	NS																		
MW-11	11/16/22	NS																		
MW-11	12/07/23	NS																		
MW-11	12/11/24	NS																		
MW-12	12/08/08	<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	11/25/09	<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	11/10/10	NS																		
MW-12	12/15/11	NS																		
MW-12	11/29/12	NS																		
MW-12	11/18/13	NS																		
MW-12	11/18/14	NS																		
MW-12	11/23/15	NS																		
MW-12	11/28/16	NS																		
MW-12	11/28/17	NS																		
MW-12	11/14/18	NS																		
MW-12	11/11/19	NS																		
MW-12	12/04/20	NS																		
MW-12	12/09/21	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

SAMPLE LOCATION		SAMPLE DATE	EPA SW846-8270C, 3510																	
			Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.					0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L		0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L		0.03 mg/L	
MW-12	11/16/22	NS																		
MW-12	12/07/23	NS																		
MW-12	12/11/24	NS																		
MW-13	12/08/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000294	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00116
MW-13	11/25/09	<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	0.000638
MW-13	11/10/10	NS																		
MW-13	12/15/11	NS																		
MW-13	11/29/12	NS																		
MW-13	11/19/13	NS																		
MW-13	11/18/14	NS																		
MW-13	11/23/15	NS																		
MW-13	11/28/16	NS																		
MW-13	11/28/17	NS																		
MW-13	11/14/18	NS																		
MW-13	11/11/19	NS																		
MW-13	12/04/20	NS																		
MW-13	12/09/21	NS																		
MW-13	11/16/22	NS																		
MW-13	12/07/23	NS																		
MW-13	12/11/24	NS																		
MW-14	12/08/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000417	<0.000185	0.000311	<0.000185	0.00328	0.00314	0.00298	0.000355
MW-14	11/25/09	<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	0.00605	0.00516	0.00321	<0.000184
MW-14	11/10/10	NS																		
MW-14	12/15/11	NS																		
MW-14	11/29/12	NS																		
MW-14	11/19/13	NS																		
MW-14	11/18/14	NS																		
MW-14	11/23/15	NS																		
MW-14	11/28/16	NS																		
MW-14	11/28/17	NS																		
MW-14	11/14/18	NS																		
MW-14	11/11/19	NS																		
MW-14	12/04/20	NS																		
MW-14	12/09/21	NS																		
MW-14	11/15/22	NS																		
MW-14	12/07/23	NS																		
MW-14	12/11/24	NS																		
MW-15	12/08/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000558	<0.000184	0.000384	<0.000184	0.00993	0.00525	0.00386	0.000687
MW-15	11/25/09	<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	0.00209	0.00101	<0.000184	<0.000184
MW-15	11/10/10	NS																		
MW-15	12/15/11	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

SAMPLE LOCATION		SAMPLE DATE	EPA SW846-8270C, 3510																	
			Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.			---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---
MW-15	11/29/12	NS																		
MW-15	11/19/13	NS																		
MW-15	11/18/14	NS																		
MW-15	11/23/15	NS																		
MW-15	11/28/16	NS																		
MW-15	11/28/17	NS																		
MW-15	11/14/18	NS																		
MW-15	11/11/19	NS																		
MW-15	12/04/20	NS																		
MW-15	12/09/21	NS																		
MW-15	11/15/22	NS																		
MW-15	12/07/23	NS																		
MW-15	12/11/24	NS																		
MW-16	12/08/08	<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	
MW-16	11/25/09	<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	
MW-16	11/10/10	NS																		
MW-16	12/15/11	NS																		
MW-16	11/29/12	NS																		
MW-16	11/19/13	NS																		
MW-16	11/18/14	NS																		
MW-16	11/23/15	NS																		
MW-16	11/28/16	NS																		
MW-16	11/28/17	NS																		
MW-16	11/14/18	NS																		
MW-16	11/11/19	NS																		
MW-16	12/04/20	NS																		
MW-16	12/09/21	NS																		
MW-16	11/16/22	NS																		
MW-16	12/07/23	NS																		
MW-16	12/11/24	NS																		
MW-18	11/25/09	<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	
MW-18	11/10/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	12/31/11	<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	0.000262	
MW-18	11/29/12	NS																		
MW-18	11/19/13	NS																		
MW-18	11/18/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	
MW-18	11/23/15	NS																		
MW-18	11/28/16	NS																		
MW-18	11/28/17	NS																		
MW-18	11/14/18	NS																		
MW-18	11/11/19	NS																		
MW-18	12/04/20	NS																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

SAMPLE LOCATION		SAMPLE DATE	EPA SW846-8270C, 3510																	
			Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.				0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L		0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L		0.03 mg/L		
MW-18	12/09/21	NS																		
MW-18	11/16/22	NS																		
MW-18	12/07/23	NS																		
MW-18	12/11/24	NS																		
RW-1	12/10/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.0085	<0.000184	0.0104	<0.000184	0.075	0.0857	0.0912	0.00817
RW-1	11/25/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.0120	<0.000184	0.0131	<0.000184	0.0961	0.113	0.126	0.0100
RW-1	11/10/10	NS																		
RW-1	12/15/11	PSH																		
RW-1	11/29/12	PSH																		
RW-1	11/18/13	PSH																		
RW-1	11/18/14	PSH																		
RW-1	11/23/15	PSH																		
RW-1	11/28/16	PSH																		
RW-1	11/28/17	PSH																		
RW-1	11/14/18	PSH																		
RW-1	11/11/19	PSH																		
RW-1	12/04/20	PSH																		
RW-1	12/09/21	0.0017	0.00022	0.00023	0.00088	<0.00010	<0.00010	<0.00010	<0.00010	0.00028	<0.00010	<0.00010	0.0043	<0.00010	0.0090	<0.00010	0.189		0.0049	
RW-1	11/14/22	PSH																		
RW-1	12/07/23	PSH																		
RW-1	12/11/24	PSH																		
RW-2	11/10/10	PSH																		
RW-2	12/15/11	PSH																		
RW-2	11/29/12	PSH																		
RW-2	11/18/13	PSH																		
RW-2	11/18/14	PSH																		
RW-2	11/23/15	PSH																		
RW-2	11/28/16	PSH																		
RW-2	11/28/17	PSH																		
RW-2	11/14/18	PSH																		
RW-2	11/11/19	PSH																		
RW-2	12/04/20	PSH																		
RW-2	12/09/21	0.00069	0.00011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0014	<0.00010	0.0021	<0.00010	0.060		0.0017	
RW-2	11/14/22	PSH																		
RW-2	12/07/23	PSH																		
RW-2	12/11/24	PSH																		
RW-3	11/10/10	PSH																		
RW-3	12/15/11	PSH																		
RW-3	11/29/12	PSH																		
RW-3	11/18/13	PSH																		
RW-3	11/18/14	PSH																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
TNM 97-04 (TOWNSEND)
SRS NO. TNM 97-04
LEA COUNTY, NEW MEXICO
NMOCD INCIDENT NO. nAPP2109542446

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]lanthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		---	---	0.001 mg/L	0.0001 mg/L	0.0007 mg/L	0.001 mg/L	---	0.001 mg/L	0.0002 mg/L	0.0003 mg/L	0.001 mg/L	0.001 mg/L	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		---	
RW-3	11/23/15	PSH																		
RW-3	11/28/16	PSH																		
RW-3	11/28/17	PSH																		
RW-3	11/14/18	PSH																		
RW-3	11/11/19	PSH																		
RW-3	12/04/20	PSH																		
RW-3	12/09/21	0.017	0.0036	0.0019	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.013	<0.0010	0.015	<0.0010	0.237		0.011	
RW-3	11/14/22	PSH																		
RW-3	12/07/23	PSH																		
RW-3	12/11/24	PSH																		
RW-4	11/10/10	PSH																		
RW-4	12/15/11	PSH																		
RW-4	11/29/12	PSH																		
RW-4	11/18/13	PSH																		
RW-4	11/18/14	PSH																		
RW-4	11/23/15	PSH																		
RW-4	11/28/16	PSH																		
RW-4	11/28/17	PSH																		
RW-4	11/14/18	PSH																		
RW-4	11/11/19	PSH																		
RW-4	12/04/20	PSH																		
RW-4	12/09/21	0.021	0.0088	0.019	0.011	<0.0010	<0.0010	<0.0010	<0.0010	0.0052	<0.0010	0.0047	0.046	<0.0010	0.14	<0.0010	2.13		0.044	
RW-4	11/14/22	PSH																		
RW-4	12/07/23	PSH																		
RW-4	12/11/24	PSH																		

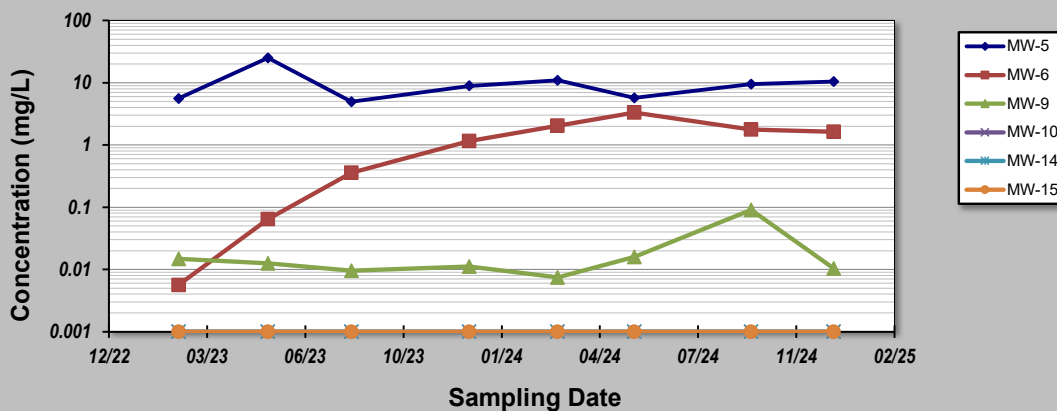
Notes:

1. Polynuclear Aromatic Hydrocarbon (PAH) analysis by Environmental Protection Agency (EPA) Method SW846-8270C, 3510.
2. All reported concentrations are reported as milligrams per liter (mg/L).
3. Bold font indicates laboratory results exceeding NMWQCC Drinking Water Standards.
4. < - Not detected above the Sample Detection Limit.
5. NS - Not sampled.
6. PSH - Phase Separated Hydrocarbons.
7. P&A - Plugged and abandoned.

Table 7

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25			Job ID:	014177			
Facility Name:	TNM 97-04			Constituent:	Benzene			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-6	MW-9	MW-10	MW-14	MW-15	
Sampling Event	Sampling Date	BENZENE CONCENTRATION (mg/L)						
1	14-Feb-23	5.6	0.00563	0.0148	0.001	0.001	0.001	
2	16-May-23	25	0.0643	0.0126	0.001	0.001	0.001	
3	9-Aug-23	4.96	0.359	0.00952	0.001	0.001	0.001	
4	7-Dec-23	8.91	1.15	0.0111	0.001	0.001	0.001	
5	6-Mar-24	10.9	2.05	0.00746	0.001	0.001	0.001	
6	23-May-24	5.71	3.31	0.0159	0.001	0.001	0.001	
7	19-Sep-24	9.48	1.76	0.0907	0.001	0.001	0.001	
8	12-Dec-24	10.5	1.63	0.0104	0.001	0.001	0.001	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.64	0.88	1.30	0.00	0.00	0.00	
Mann-Kendall Statistic (S):		6	18	0	0	0	0	
Confidence Factor:		72.6%	98.4%	45.2%	45.2%	45.2%	45.2%	
Concentration Trend:		No Trend	Increasing	No Trend	Stable	Stable	Stable	

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Red values are the reporting limit and are non-detect results.

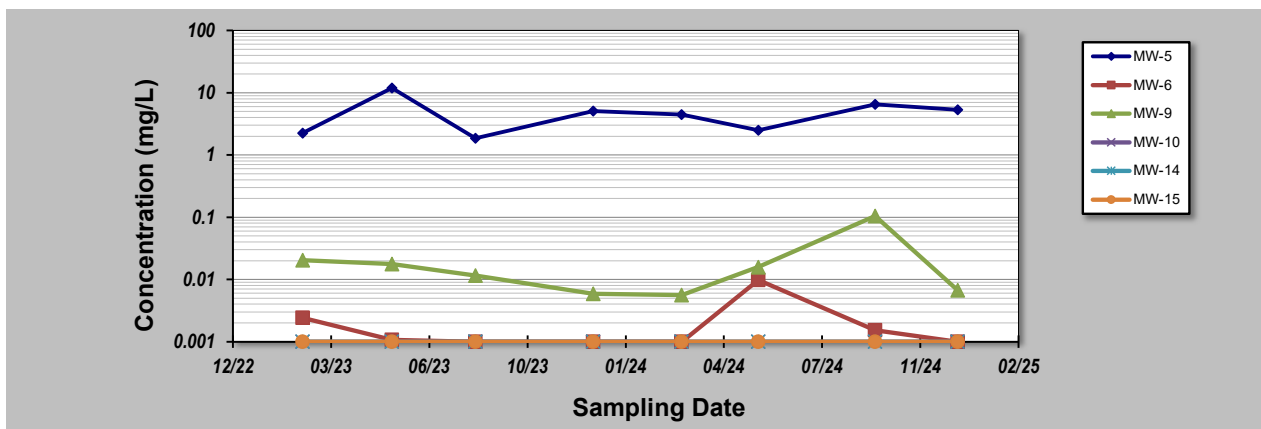
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Table 8

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25			Job ID:	014177			
Facility Name:	TNM 97-04			Constituent:	Toluene			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-6	MW-9	MW-10	MW-14	MW-15	
Sampling Event	Sampling Date	TOLUENE CONCENTRATION (mg/L)						
1	14-Feb-23	2.24	0.00241	0.0204	0.001	0.001	0.001	
2	16-May-23	11.9	0.00107	0.0176	0.001	0.001	0.001	
3	9-Aug-23	1.86	0.001	0.0116	0.001	0.001	0.001	
4	7-Dec-23	5.1	0.001	0.00591	0.001	0.001	0.001	
5	6-Mar-24	4.45	0.001	0.00561	0.001	0.001	0.001	
6	23-May-24	2.5	0.0098	0.0158	0.001	0.001	0.001	
7	19-Sep-24	6.49	0.00152	0.105	0.001	0.001	0.001	
8	12-Dec-24	5.31	0.001	0.00666	0.001	0.001	0.001	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.65	1.30	1.42	0.00	0.00	0.00	
Mann-Kendall Statistic (S):		6	-4	-6	0	0	0	
Confidence Factor:		72.6%	64.0%	72.6%	45.2%	45.2%	45.2%	
Concentration Trend:		No Trend	No Trend	No Trend	Stable	Stable	Stable	

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Red values are the reporting limit and are non-detect results.

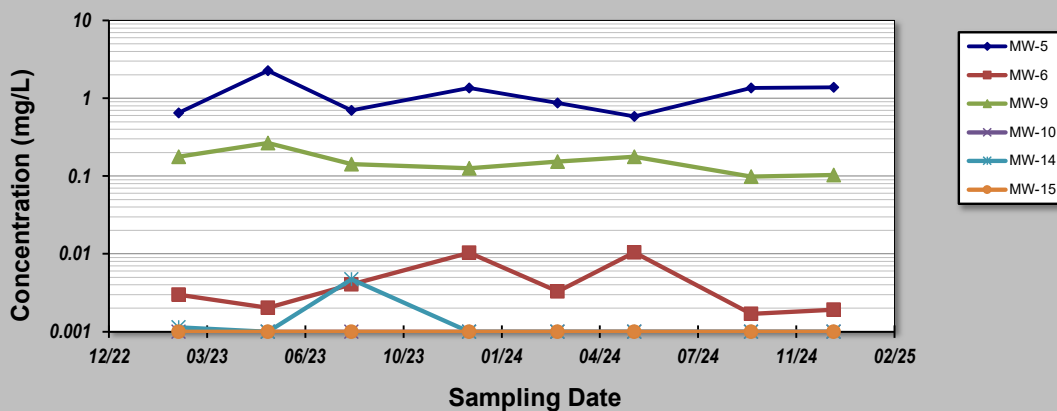
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Table 9

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25			Job ID:	014177			
Facility Name:	TNM 97-04			Constituent:	Ethylbenzene			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-6	MW-9	MW-10	MW-14	MW-15	
Sampling Event	Sampling Date	ETHYLBENZENE CONCENTRATION (mg/L)						
1	14-Feb-23	0.651	0.00299	0.178	0.001	0.00114	0.001	
2	16-May-23	2.26	0.00203	0.266	0.001	0.001	0.001	
3	9-Aug-23	0.697	0.00403	0.142	0.001	0.0047	0.001	
4	7-Dec-23	1.36	0.0103	0.126	0.001	0.001	0.001	
5	6-Mar-24	0.868	0.00328	0.154	0.001	0.001	0.001	
6	23-May-24	0.587	0.0104	0.178	0.001	0.001	0.001	
7	19-Sep-24	1.36	0.00169	0.0989	0.001	0.001	0.001	
8	12-Dec-24	1.39	0.00192	0.103	0.001	0.001	0.001	
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Coefficient of Variation:		0.49	0.80	0.35	0.00	0.88	0.00	
Mann-Kendall Statistic (S):		5	-2	-13	0	-9	0	
Confidence Factor:		68.3%	54.8%	92.9%	45.2%	83.2%	45.2%	
Concentration Trend:		No Trend	Stable	Prob. Decreasing	Stable	Stable	Stable	

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Red values are the reporting limit and are non-detect results.

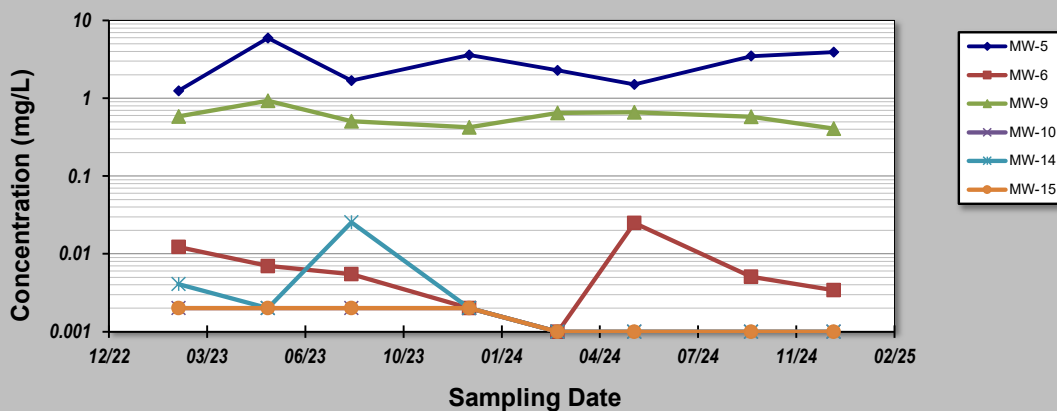
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Table 10

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25			Job ID:	014177			
Facility Name:	TNM 97-04			Constituent:	Xylenes			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:	MW-5	MW-6	MW-9	MW-10	MW-14	MW-15		
Sampling Event	Sampling Date	XYLENES CONCENTRATION (mg/L)						
1	14-Feb-23	1.253	0.01229	0.584	0.002	0.00409	0.002	
2	16-May-23	5.94	0.00698	0.929	0.002	0.002	0.002	
3	9-Aug-23	1.685	0.00547	0.507	0.002	0.02543	0.002	
4	7-Dec-23	3.6	0.002	0.423	0.002	0.002	0.002	
5	6-Mar-24	2.295	0.001	0.651	0.001	0.001	0.001	
6	23-May-24	1.512	0.02494	0.661	0.001	0.001	0.001	
7	19-Sep-24	3.488	0.00507	0.579	0.001	0.001	0.001	
8	12-Dec-24	3.932	0.0034	0.407	0.001	0.001	0.001	
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Coefficient of Variation:	0.54	1.02	0.28	0.36	1.80	0.36		
Mann-Kendall Statistic (S):	6	-10	-8	-16	-17	-16		
Confidence Factor:	72.6%	86.2%	80.1%	96.9%	97.7%	96.9%		
Concentration Trend:	No Trend	No Trend	Stable	Decreasing	Decreasing	Decreasing		

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Red values are the reporting limit and are non-detect results.

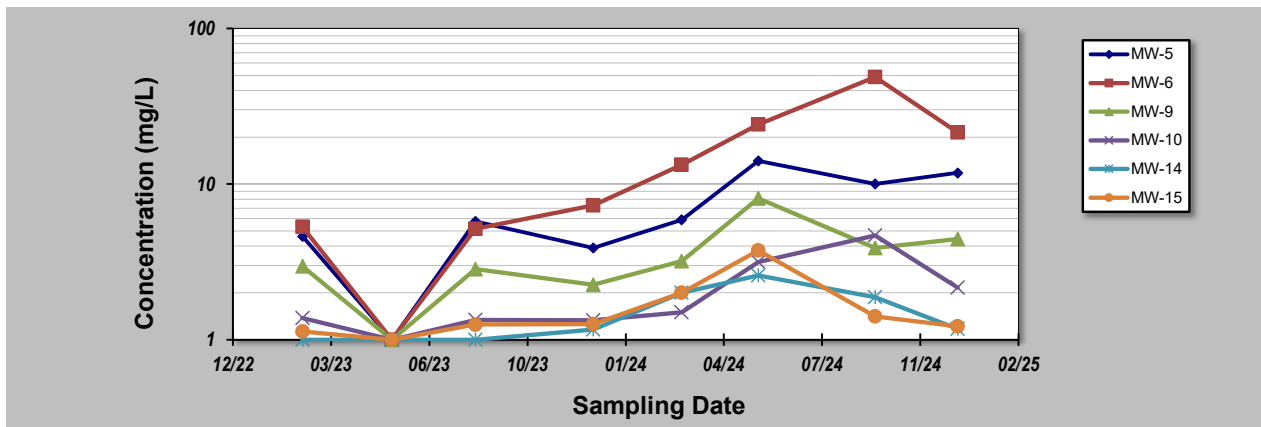
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Table 11

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25			Job ID:	014177			
Facility Name:	TNM 97-04			Constituent:	Total Organic Carbon			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-6	MW-9	MW-10	MW-14	MW-15	
Sampling Event	Sampling Date	TOTAL ORGANIC CARBON CONCENTRATION (mg/L)						
1	14-Feb-23	4.62	5.31	2.97	1.38	1	1.13	
2	16-May-23	1	1	1	1	1	1	
3	9-Aug-23	5.75	5.16	2.84	1.34	1	1.25	
4	7-Dec-23	3.89	7.29	2.25	1.33	1.16	1.26	
5	6-Mar-24	5.9	13.3	3.2	1.5	2	2	
6	23-May-24	14.1	24.2	8.09	3.15	2.59	3.74	
7	19-Sep-24	10	48.8	3.88	4.67	1.87	1.41	
8	12-Dec-24	11.8	21.5	4.44	2.16	1.17	1.22	
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Coefficient of Variation:		0.62	0.99	0.58	0.61	0.41	0.56	
Mann-Kendall Statistic (S):		18	20	16	16	15	12	
Confidence Factor:		98.4%	99.3%	96.9%	96.9%	95.8%	91.1%	
Concentration Trend:		Increasing	Increasing	Increasing	Increasing	Increasing	Prob. Increasing	

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
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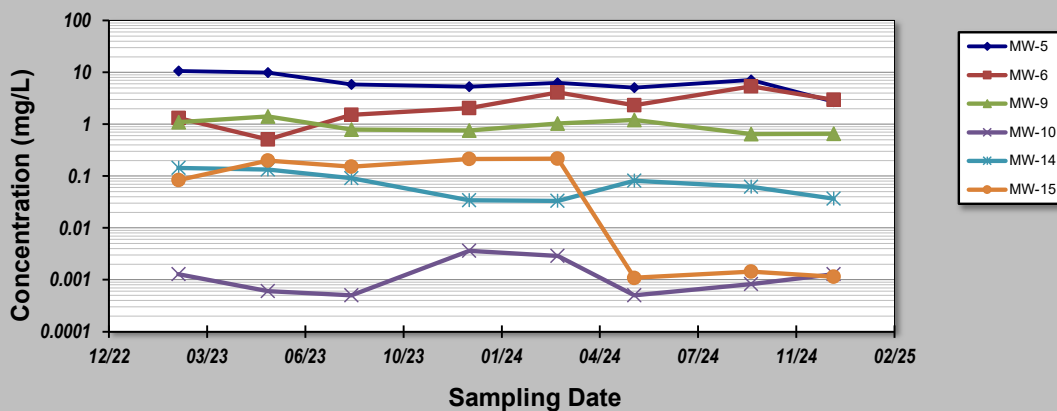
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Table 12

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25			Job ID:	014177			
Facility Name:	TNM 97-04			Constituent:	Dissolved Methane			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:	MW-5	MW-6	MW-9	MW-10	MW-14	MW-15		
Sampling Event	Sampling Date	DISSOLVED METHANE CONCENTRATION (mg/L)						
1	14-Feb-23	10.7	1.31	1.09	0.00128	0.144	0.0841	
2	16-May-23	9.96	0.511	1.41	0.000607	0.133	0.2	
3	9-Aug-23	5.88	1.51	0.795	0.0005	0.0908	0.153	
4	7-Dec-23	5.28	2.04	0.753	0.0036	0.0341	0.213	
5	6-Mar-24	6.28	4.13	1.04	0.0029	0.033	0.217	
6	23-May-24	5.07	2.33	1.21	0.0005	0.0817	0.00109	
7	19-Sep-24	7.14	5.36	0.643	0.000824	0.0618	0.00143	
8	12-Dec-24	2.73	2.98	0.652	0.00128	0.0368	0.00115	
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Coefficient of Variation:	0.40	0.63	0.30	0.82	0.57	0.91		
Mann-Kendall Statistic (S):	-16	20	-12	0	-16	-6		
Confidence Factor:	96.9%	99.3%	91.1%	45.2%	96.9%	72.6%		
Concentration Trend:	Decreasing	Increasing	Prob. Decreasing	Stable	Decreasing	Stable		

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Red values are the reporting limit and are non-detect results.

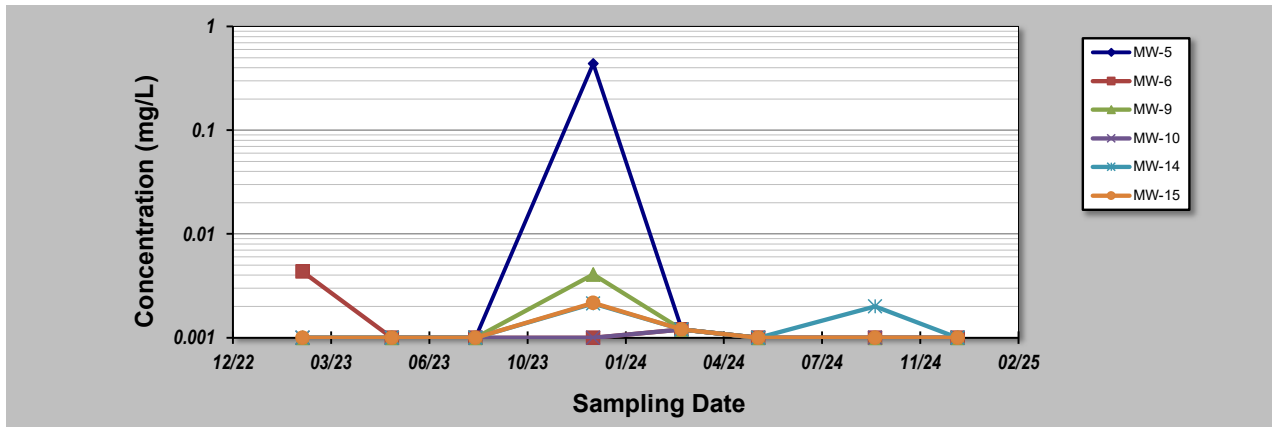
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Table 13

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25	Job ID:	014177					
Facility Name:	TNM 97-04	Constituent:	Dissolved Ethane					
Conducted By:	TRC	Concentration Units:	mg/L					
Sampling Point ID:	MW-5	MW-6	MW-9	MW-10	MW-14	MW-15		
Sampling Event	Sampling Date	DISSOLVED ETHANE CONCENTRATION (mg/L)						
1	14-Feb-23	0.001	0.00435	0.001	0.001	0.001	0.001	
2	16-May-23	0.001	0.001	0.001	0.001	0.001	0.001	
3	9-Aug-23	0.001	0.001	0.001	0.001	0.001	0.001	
4	7-Dec-23	0.439	0.001	0.00406	0.001	0.00214	0.00216	
5	6-Mar-24	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	
6	23-May-24	0.001	0.001	0.001	0.001	0.001	0.001	
7	19-Sep-24	0.001	0.001	0.001	0.001	0.002	0.001	
8	12-Dec-24	0.001	0.001	0.001	0.001	0.001	0.001	
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Coefficient of Variation:	2.78	0.81	0.76	0.07	0.38	0.35		
Mann-Kendall Statistic (S):	-1	-7	-1	1	4	-1		
Confidence Factor:	50.0%	76.4%	50.0%	50.0%	64.0%	50.0%		
Concentration Trend:	No Trend	Stable	Stable	No Trend	No Trend	Stable		

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
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Table 14

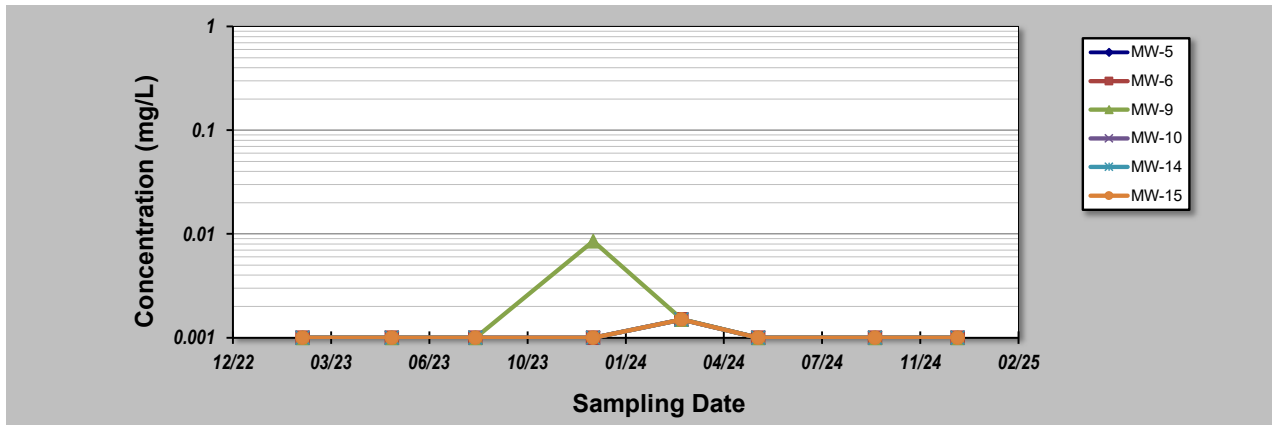
GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: 4-Feb-25		Job ID: 014177	
Facility Name: TNM 97-04		Constituent: Dissolved Ethene	
Conducted By: TRC		Concentration Units: mg/L	

Sampling Point ID:		MW-5	MW-6	MW-9	MW-10	MW-14	MW-15	

Sampling Event	Sampling Date	DISSOLVED ETHENE CONCENTRATION (mg/L)						
1	14-Feb-23	0.001	0.001	0.001	0.001	0.001	0.001	
2	16-May-23	0.001	0.001	0.001	0.001	0.001	0.001	
3	9-Aug-23	0.001	0.001	0.001	0.001	0.001	0.001	
4	7-Dec-23	0.001	0.001	0.00851	0.001	0.001	0.001	
5	6-Mar-24	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	
6	23-May-24	0.001	0.001	0.001	0.001	0.001	0.001	
7	19-Sep-24	0.001	0.001	0.001	0.001	0.001	0.001	
8	12-Dec-24	0.001	0.001	0.001	0.001	0.001	0.001	
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Coefficient of Variation:	0.17	0.17	1.32	0.17	0.17	0.17	
Mann-Kendall Statistic (S):	1	1	-1	1	1	1	
Confidence Factor:	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	
Concentration Trend:	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Red values are the reporting limit and are non-detect results.

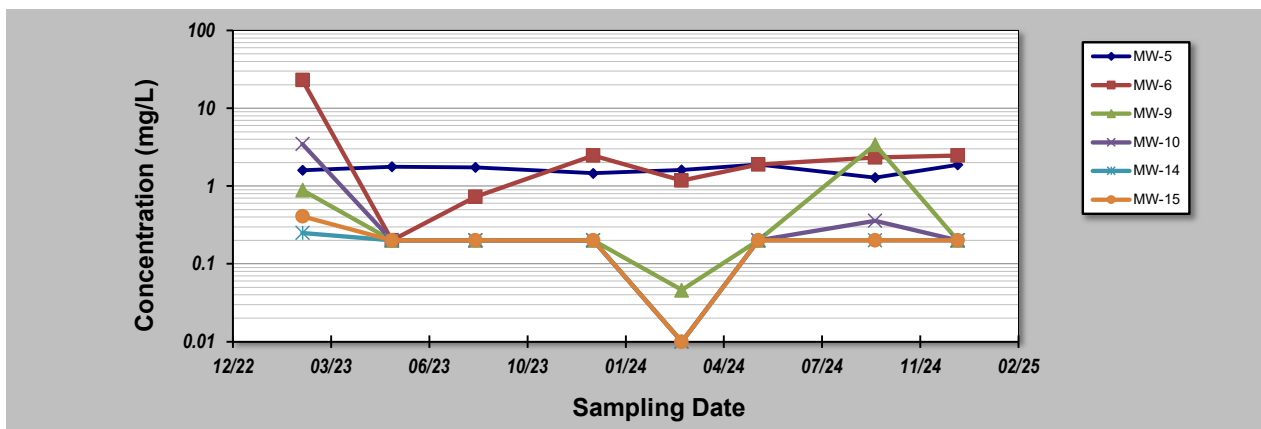
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Table 15

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25			Job ID:	014177			
Facility Name:	TNM 97-04			Constituent:	Dissolved Iron			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-6	MW-9	MW-10	MW-14	MW-15	
Sampling Event	Sampling Date	DISSOLVED IRON CONCENTRATION (mg/L)						
1	14-Feb-23	1.59	23.1	0.891	3.46	0.25	0.407	
2	16-May-23	1.77	0.2	0.2	0.2	0.2	0.2	
3	9-Aug-23	1.74	0.728	0.2	0.2	0.2	0.2	
4	7-Dec-23	1.46	2.47	0.2	0.2	0.2	0.2	
5	6-Mar-24	1.62	1.18	0.046	0.01	0.01	0.01	
6	23-May-24	1.89	1.89	0.2	0.2	0.2	0.2	
7	19-Sep-24	1.29	2.33	3.41	0.356	0.2	0.2	
8	12-Dec-24	1.88	2.47	0.2	0.2	0.2	0.2	
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Coefficient of Variation:		0.13	1.78	1.70	1.92	0.39	0.53	
Mann-Kendall Statistic (S):		2	7	-2	-4	-7	-7	
Confidence Factor:		54.8%	76.4%	54.8%	64.0%	76.4%	76.4%	
Concentration Trend:		No Trend	No Trend	No Trend	No Trend	Stable	Stable	

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
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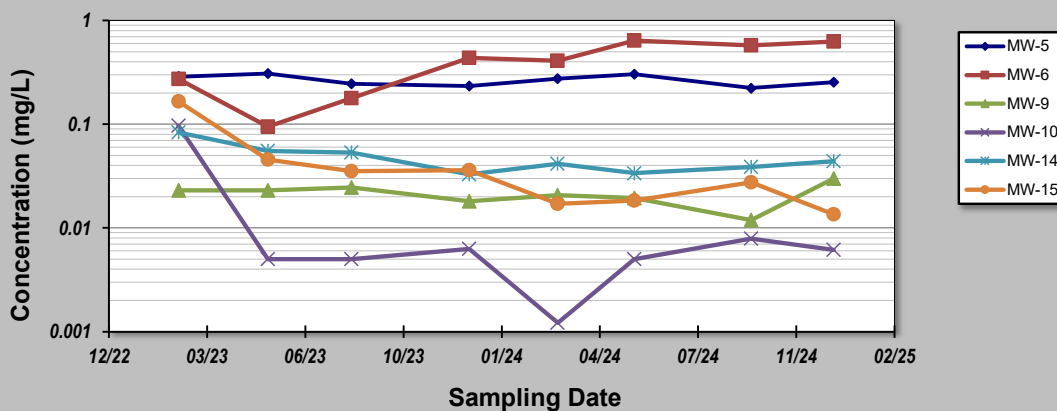
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Table 16

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25			Job ID:	014177			
Facility Name:	TNM 97-04			Constituent:	Dissolved Manganese			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-6	MW-9	MW-10	MW-14	MW-15	
Sampling Event	Sampling Date	DISSOLVED MANGANESE CONCENTRATION (mg/L)						
1	14-Feb-23	0.288	0.274	0.0231	0.0969	0.0836	0.166	
2	16-May-23	0.308	0.095	0.023	0.005	0.0551	0.0455	
3	9-Aug-23	0.245	0.178	0.0246	0.005	0.0533	0.0354	
4	7-Dec-23	0.234	0.436	0.0181	0.00629	0.0328	0.0361	
5	6-Mar-24	0.275	0.41	0.0207	0.00122	0.0416	0.0171	
6	23-May-24	0.304	0.639	0.0194	0.005	0.0337	0.0184	
7	19-Sep-24	0.223	0.577	0.0119	0.00786	0.0387	0.0275	
8	12-Dec-24	0.255	0.626	0.03	0.00616	0.0441	0.0135	
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Coefficient of Variation:		0.12	0.51	0.25	1.95	0.35	1.12	
Mann-Kendall Statistic (S):		-8	18	-6	-1	-12	-20	
Confidence Factor:		80.1%	98.4%	72.6%	50.0%	91.1%	99.3%	
Concentration Trend:		Stable	Increasing	Stable	No Trend	Prob. Decreasing	Decreasing	

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Red values are the reporting limit and are non-detect results.

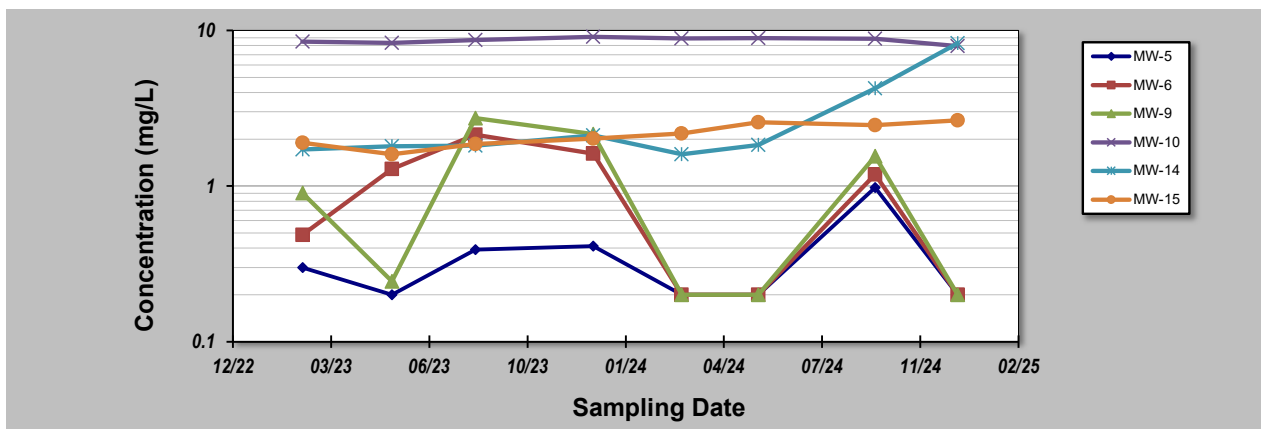
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Table 17

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25			Job ID:	014177			
Facility Name:	TNM 97-04			Constituent:	Nitrate			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-6	MW-9	MW-10	MW-14	MW-15	
Sampling Event	Sampling Date	NITRATE CONCENTRATION (mg/L)						
1	14-Feb-23	0.299	0.485	0.905	8.48	1.72	1.9	
2	16-May-23	0.2	1.29	0.244	8.33	1.8	1.6	
3	9-Aug-23	0.391	2.14	2.74	8.68	1.82	1.86	
4	7-Dec-23	0.411	1.62	2.16	9.09	2.12	2.02	
5	6-Mar-24	0.2	0.2	0.2	8.9	1.6	2.18	
6	23-May-24	0.2	0.2	0.2	8.92	1.84	2.57	
7	19-Sep-24	0.977	1.19	1.56	8.84	4.24	2.46	
8	12-Dec-24	0.2	0.2	0.2	7.93	8.27	2.65	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.74	0.82	0.99	0.04	0.79	0.17	
Mann-Kendall Statistic (S):		0	-9	-9	2	18	22	
Confidence Factor:		45.2%	83.2%	83.2%	54.8%	98.4%	99.8%	
Concentration Trend:		Stable	Stable	Stable	No Trend	Increasing	Increasing	

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Red values are the reporting limit and are non-detect results.

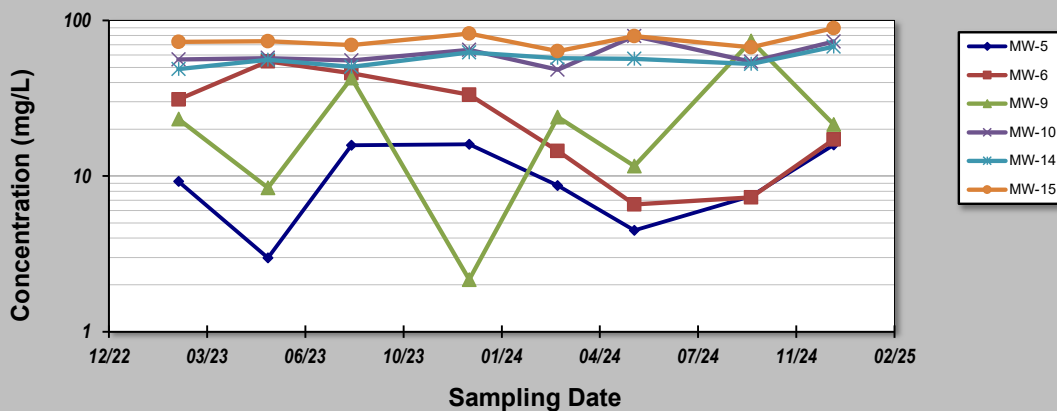
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Table 18

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25			Job ID:	014177			
Facility Name:	TNM 97-04			Constituent:	Sulfate			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-6	MW-9	MW-10	MW-14	MW-15	
Sampling Event	Sampling Date	SULFATE CONCENTRATION (mg/L)						
1	14-Feb-23	9.23	31.1	23.3	56.2	48.7	73	
2	16-May-23	2.98	54.7	8.41	57.4	56	73.7	
3	9-Aug-23	15.8	45.9	42.7	55.4	50.3	69.4	
4	7-Dec-23	16	33.3	2.16	64.8	62.5	82.5	
5	6-Mar-24	8.69	14.5	23.9	48.3	57.4	63.4	
6	23-May-24	4.47	6.58	11.6	79.5	56.7	79.5	
7	19-Sep-24	7.42	7.31	74.1	54.4	52.7	67.2	
8	12-Dec-24	15.9	17.2	21.5	73.1	67.8	89.3	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.52	0.68	0.89	0.17	0.11	0.11	
Mann-Kendall Statistic (S):		2	-14	4	4	12	4	
Confidence Factor:		54.8%	94.6%	64.0%	64.0%	91.1%	64.0%	
Concentration Trend:		No Trend	Prob. Decreasing	No Trend	No Trend	Prob. Increasing	No Trend	

**Notes:**

- At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
- Confidence in Trend = Confidence (in percent) that constituent concentration is increasing ($S > 0$) or decreasing ($S < 0$): $> 95\%$ = Increasing or Decreasing; $\geq 90\%$ = Probably Increasing or Probably Decreasing; $< 90\%$ and $S > 0$ = No Trend; $< 90\%$, $S \leq 0$, and $COV \geq 1$ = No Trend; $< 90\%$ and $COV < 1$ = Stable.
- Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.
- Red values are the reporting limit and are non-detect results.

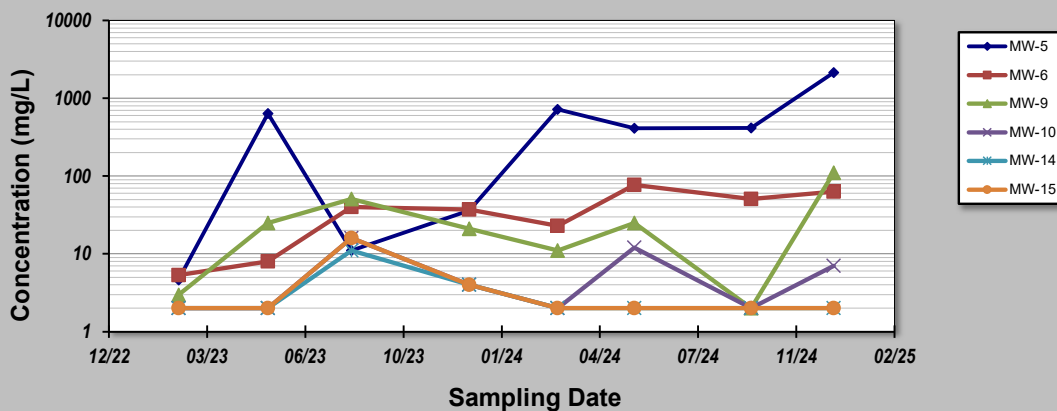
DISCLAIMER: The GSI Mann-Kendall Toolkit is available "as is". Considerable care has been exercised in preparing this software product; however, no party, including without limitation GSI Environmental Inc., makes any representation or warranty regarding the accuracy, correctness, or completeness of the information contained herein, and no such party shall be liable for any direct, indirect, consequential, incidental or other damages resulting from the use of this product or the information contained herein. Information in this publication is subject to change without notice. GSI Environmental Inc., disclaims any responsibility or obligation to update the information contained herein.

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Table 19

GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date:	4-Feb-25			Job ID:	014177			
Facility Name:	TNM 97-04			Constituent:	Chemical Oxygen Demand			
Conducted By:	TRC			Concentration Units:	mg/L			
Sampling Point ID:		MW-5	MW-6	MW-9	MW-10	MW-14	MW-15	
Sampling Event	Sampling Date	CHEMICAL OXYGEN DEMAND CONCENTRATION (mg/L)						
1	14-Feb-23	4.62	5.31	2.97	2	2	2	
2	16-May-23	637	8	25	2	2	2	
3	9-Aug-23	11	40	51	16	11	16	
4	7-Dec-23	36	37	21	4	4	4	
5	6-Mar-24	720	23	11	2	2	2	
6	23-May-24	413	77	25	12	2	2	
7	19-Sep-24	415	51	2	2	2	2	
8	12-Dec-24	2140	63	110	7	2	2	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.28	0.67	1.15	0.92	0.94	1.22	
Mann-Kendall Statistic (S):		16	18	3	4	-5	-5	
Confidence Factor:		96.9%	98.4%	59.4%	64.0%	68.3%	68.3%	
Concentration Trend:		Increasing	Increasing	No Trend	No Trend	Stable	No Trend	

**Notes:**

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

APPENDIX A
Release Notification and Corrective Action
(NMOCD Form C-141)

DISTRICT I

P.O. BOX 1980, HOBBS, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources DepartmentSUBMIT 2 COPIES TO
APPROPRIATE DISTRICT
OFFICE IN ACCORDANCE
WITH RULE 116 PRINTED
ON BACK SIDE OF FORM**DISTRICT II**P.O. DRAWER DD, ARTESIA, NM 88211-
0719**OIL CONSERVATION DIVISION****DISTRICT III**

1000 Rio Brazos Rd, Aztec, NM 87410

P.O. Box 2088
Santa Fe, New Mexico 87504-2088*Initial Report***NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS**

OPERATOR Texas-New Mexico Pipe Line Company			ADDRESS P. O. Box 60028, San Angelo, TX 76906			TELEPHONE (915) 947-9000	
REPORT OF	FIRE	BREAK	SPILL	LEAK X	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTRY	PIPE LINE X	GASO PLANT	OIL RFY	OTHER*
FACILITY NAME: 4" gathering line							
LOCATION OF FACILITY Qtr/Qtr Sec. or Footage. SW/4 SW/4 SE/4 SE/4			SEC. 18	TWP. 11S	RGE. 16E	COUNTY Lea	
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 2 miles west of Lovington							
DATE AND HOUR OF OCCURRENCE Unknown			DATE AND HOUR OF DISCOVERY April 16, 1997 4:00 p.m.				
WAS IMMEDIATE NOTICE GIVEN?		YES	NO	NOT REQUIRED X	IF YES, TO WHOM Wayne Price		
BY WHOM B. D. Chapman (reported that quantity may be more than 10 barrels)				DATE AND HOUR April 25, 1997 9:00 a.m.			
TYPE OF FLUID LOST Sweet Crude		QUANTITY OF LOSS Unknown (*see note below)		VOLUME RECOVERED None			
DID ANY FLUIDS REACH A WATERCOURSE?		YES	NO X	QUANTITY			
IF YES, DESCRIBE FULLY**							
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN** External Corrosion. Leak successfully clamped off.							
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN** Approximately 1500 sq.ft. pasture land. Will remediate on site. *Originally estimated at 10 barrels. Under investigation. An amended report will be issued when quantity is determined.							
DESCRIPTION OF AREA		FARMING	GRAZING X	URBAN	OTHER*		
SURFACE CONDITION		SANDY	SANDY LOAM	CLAY	ROCKY X	WET	DRY X SNOW
RECORD GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)** 75 degrees; clear							
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF							
SIGNED 		PRINTED NAME AND TITLE Edwin H. Gripp, District Manager			DATE April 25, 1997		

*SPECIFY

State Corp. Commission
Pipe Line Division

**ATTACH ADDITIONAL SHEETS IF NECESSARY

Hazardous Waste Section
NM Environmental Improvement Div.

TNM-97-04

BDC

APPENDIX B
2024 Laboratory Analytical Reports

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



Analytical Report

Prepared for:

Jonathan Repman
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 4C07008



Current Certification

Report Date: 03/27/24

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	4C07008-01	Water	03/06/24 11:20	03-07-2024 08:30
MW-15	4C07008-02	Water	03/06/24 12:36	03-07-2024 08:30
MW-14	4C07008-03	Water	03/06/24 13:49	03-07-2024 08:30
MW-5	4C07008-04	Water	03/06/24 15:05	03-07-2024 08:30
MW-9	4C07008-05	Water	03/06/24 16:22	03-07-2024 08:30
MW-6	4C07008-06	Water	03/06/24 17:45	03-07-2024 08:30

Dissolved Metals, Dissolved Gases, and TOC analysis were subcontracted to A&B Houston. Their current certification can be found here: https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/a&b_env.pdf

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-10
4C07008-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 22:57	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 22:57	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 22:57	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 22:57	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 22:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.0 %		80-120		P4C0805	03/08/24 11:58	03/08/24 22:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.9 %		80-120		P4C0805	03/08/24 11:58	03/08/24 22:57	EPA 8021B	
Ethane	ND	0.00120	mg/L	1	P4C2609	03/20/24 15:34	03/20/24 15:34	8015M	SUB-8
Ethene	ND	0.00150	mg/L	1	P4C2609	03/20/24 15:34	03/20/24 15:34	8015M	SUB-8
Methane	ND	0.00290	mg/L	1	P4C2609	03/20/24 15:34	03/20/24 15:34	8015M	SUB-8

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4C1108	03/11/24 10:47	03/14/24 14:42	8000	
Nitrate as N	8.90	0.200	mg/L	1	P4C1911	03/08/24 10:00	03/19/24 15:47	EPA 300.0	
Sulfate	48.3	5.00	mg/L	5	P4C2014	03/20/24 15:58	03/21/24 19:49	EPA 300.0	
Total Organic Carbon	1.50	1.00	mg/L	1	P4C2609	03/18/24 16:00	03/18/24 16:00	EPA 415.1	SUB-8

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.0100	mg/L	1	P4C2609	03/25/24 12:18	03/25/24 12:18	EPA 200.7	SUB-8
Manganese	0.00122	0.000500	mg/L	1	P4C2609	03/25/24 13:58	03/25/24 13:58	EPA 6020A	SUB-8

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-15
4C07008-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 23:20	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 23:20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 23:20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 23:20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 23:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.2 %		80-120		P4C0805	03/08/24 11:58	03/08/24 23:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.9 %		80-120		P4C0805	03/08/24 11:58	03/08/24 23:20	EPA 8021B	
Ethane	ND	0.00120	mg/L	1	P4C2609	03/20/24 16:11	03/20/24 16:11	8015M	SUB-8
Ethene	ND	0.00150	mg/L	1	P4C2609	03/20/24 16:11	03/20/24 16:11	8015M	SUB-8
Methane	0.217	0.00290	mg/L	1	P4C2609	03/20/24 16:11	03/20/24 16:11	8015M	SUB-8

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4C1108	03/11/24 10:47	03/14/24 14:42	8000	
Nitrate as N	2.18	0.200	mg/L	1	P4C1911	03/08/24 10:00	03/19/24 16:45	EPA 300.0	
Sulfate	63.4	5.00	mg/L	5	P4C2014	03/20/24 15:58	03/21/24 20:47	EPA 300.0	
Total Organic Carbon	1.30	1.00	mg/L	1	P4C2609	03/18/24 16:00	03/18/24 16:00	EPA 415.1	SUB-8

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.0100	mg/L	1	P4C2609	03/25/24 12:26	03/25/24 12:26	EPA 200.7	SUB-8
Manganese	0.0171	0.000500	mg/L	1	P4C2609	03/25/24 14:01	03/25/24 14:01	EPA 6020A	SUB-8

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-14
4C07008-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 23:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 23:43	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 23:43	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 23:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C0805	03/08/24 11:58	03/08/24 23:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	88.1 %		80-120		P4C0805	03/08/24 11:58	03/08/24 23:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	99.2 %		80-120		P4C0805	03/08/24 11:58	03/08/24 23:43	EPA 8021B	
Ethane	ND	0.00120	mg/L	1	P4C2609	03/20/24 16:47	03/20/24 16:47	8015M	SUB-8
Ethene	ND	0.00150	mg/L	1	P4C2609	03/20/24 16:47	03/20/24 16:47	8015M	SUB-8
Methane	0.0330	0.00290	mg/L	1	P4C2609	03/20/24 16:47	03/20/24 16:47	8015M	SUB-8

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4C1108	03/11/24 10:47	03/14/24 14:42	8000	
Nitrate as N	1.60	0.200	mg/L	1	P4C1911	03/08/24 10:00	03/19/24 17:04	EPA 300.0	
Sulfate	57.4	1.00	mg/L	1	P4C2014	03/20/24 15:58	03/21/24 21:07	EPA 300.0	
Total Organic Carbon	1.00	1.00	mg/L	1	P4C2609	03/18/24 16:00	03/18/24 16:00	EPA 415.1	SUB-8

Dissolved Metals by EPA / Standard Methods

Iron	0.0100	0.0100	mg/L	1	P4C2609	03/25/24 12:30	03/25/24 12:30	EPA 200.7	SUB-8
Manganese	0.0416	0.000500	mg/L	1	P4C2609	03/25/24 14:04	03/25/24 14:04	EPA 6020A	SUB-8

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-5
4C07008-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	10.9	0.100	mg/L	100	P4C0805	03/08/24 11:58	03/09/24 00:06	EPA 8021B	
Toluene	4.45	0.100	mg/L	100	P4C0805	03/08/24 11:58	03/09/24 00:06	EPA 8021B	
Ethylbenzene	0.868	0.100	mg/L	100	P4C0805	03/08/24 11:58	03/09/24 00:06	EPA 8021B	
Xylene (p/m)	1.63	0.200	mg/L	100	P4C0805	03/08/24 11:58	03/09/24 00:06	EPA 8021B	
Xylene (o)	0.665	0.100	mg/L	100	P4C0805	03/08/24 11:58	03/09/24 00:06	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>86.8 %</i>				<i>P4C0805</i>	<i>03/08/24 11:58</i>	<i>03/09/24 00:06</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>101 %</i>				<i>P4C0805</i>	<i>03/08/24 11:58</i>	<i>03/09/24 00:06</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00120	mg/L	1	P4C2609	03/20/24 17:23	03/20/24 17:23	8015M	SUB-8
Ethene	ND	0.00150	mg/L	1	P4C2609	03/20/24 17:23	03/20/24 17:23	8015M	SUB-8
Methane	6.28	1.45	mg/L	1	P4C2609	03/20/24 17:23	03/21/24 11:34	8015M	SUB-8

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	720	20.0	mg/L	1	P4C1108	03/11/24 10:47	03/14/24 14:42	8000	
Nitrate as N	ND	0.200	mg/L	1	P4C1911	03/08/24 10:00	03/19/24 17:24	EPA 300.0	
Sulfate	8.69	1.00	mg/L	1	P4C2014	03/20/24 15:58	03/22/24 10:00	EPA 300.0	
Total Organic Carbon	5.90	1.00	mg/L	1	P4C2609	03/18/24 16:00	03/18/24 16:00	EPA 415.1	SUB-8

Dissolved Metals by EPA / Standard Methods

Iron	1.62	0.0100	mg/L	1	P4C2609	03/25/24 12:34	03/25/24 12:34	EPA 200.7	SUB-8
Manganese	0.275	0.000500	mg/L	1	P4C2609	03/25/24 14:14	03/25/24 14:14	EPA 6020A	SUB-8

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-9
4C07008-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.00746	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 13:48	EPA 8021B	
Toluene	0.00561	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 13:48	EPA 8021B	
Ethylbenzene	0.154	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 13:48	EPA 8021B	
Xylene (p/m)	0.465	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 13:48	EPA 8021B	
Xylene (o)	0.186	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 13:48	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>84.1 %</i>				<i>P4C1309</i>	<i>03/13/24 10:44</i>	<i>03/13/24 13:48</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>86.1 %</i>				<i>P4C1309</i>	<i>03/13/24 10:44</i>	<i>03/13/24 13:48</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00120	mg/L	1	P4C2609	03/20/24 17:59	03/20/24 17:59	8015M	SUB-8
Ethene	ND	0.00150	mg/L	1	P4C2609	03/20/24 17:59	03/20/24 17:59	8015M	SUB-8
Methane	1.04	0.00290	mg/L	1	P4C2609	03/20/24 17:59	03/21/24 17:58	8015M	SUB-8

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	11.0	2.00	mg/L	1	P4C1108	03/11/24 10:47	03/14/24 14:42	8000	
Nitrate as N	ND	0.200	mg/L	1	P4C1911	03/08/24 10:00	03/19/24 17:43	EPA 300.0	
Sulfate	23.9	5.00	mg/L	5	P4C2014	03/20/24 15:58	03/21/24 21:46	EPA 300.0	
Total Organic Carbon	3.20	1.00	mg/L	1	P4C2609	03/18/24 16:00	03/18/24 16:00	EPA 415.1	SUB-8

Dissolved Metals by EPA / Standard Methods

Iron	0.0460	0.0100	mg/L	1	P4C2609	03/25/24 12:38	03/25/24 12:38	EPA 200.7	SUB-8
Manganese	0.0207	0.000500	mg/L	1	P4C2609	03/25/24 14:17	03/25/24 14:17	EPA 6020A	SUB-8

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-6
4C07008-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	2.05	0.0500	mg/L	50	P4C1309	03/13/24 10:44	03/13/24 23:49	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 14:11	EPA 8021B	
Ethylbenzene	0.00328	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 14:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 14:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 14:11	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>88.2 %</i>				<i>P4C1309</i>	<i>03/13/24 10:44</i>	<i>03/13/24 14:11</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>107 %</i>				<i>P4C1309</i>	<i>03/13/24 10:44</i>	<i>03/13/24 14:11</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00120	mg/L	1	P4C2609	03/20/24 18:35	03/20/24 18:35	8015M	SUB-8
Ethene	ND	0.00150	mg/L	1	P4C2609	03/20/24 18:35	03/20/24 18:35	8015M	SUB-8
Methane	4.13	1.45	mg/L	1	P4C2609	03/20/24 18:35	03/20/24 18:35	8015M	SUB-8

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	23.0	2.00	mg/L	1	P4C1108	03/11/24 10:47	03/14/24 14:42	8000	
Nitrate as N	ND	0.200	mg/L	1	P4C1911	03/08/24 10:00	03/19/24 18:02	EPA 300.0	
Sulfate	14.5	10.0	mg/L	10	P4C2014	03/20/24 15:58	03/21/24 22:05	EPA 300.0	
Total Organic Carbon	13.3	1.00	mg/L	1	P4C2609	03/18/24 16:00	03/18/24 16:00	EPA 415.1	SUB-8

Dissolved Metals by EPA / Standard Methods

Iron	1.18	0.0100	mg/L	1	P4C2609	03/25/24 12:43	03/25/24 12:43	EPA 200.7	SUB-8
Manganese	0.410	0.000500	mg/L	1	P4C2609	03/25/24 14:20	03/25/24 14:20	EPA 6020A	SUB-8

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4C0805 - * DEFAULT PREP *****

Blank (P4C0805-BLK1)

Prepared & Analyzed: 03/08/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.9	80-120			

LCS (P4C0805-BS1)

Prepared & Analyzed: 03/08/24

Benzene	0.100	0.00100	mg/L	0.100		100	80-120			
Toluene	0.0881	0.00100	"	0.100		88.1	80-120			
Ethylbenzene	0.0897	0.00100	"	0.100		89.7	80-120			
Xylene (p/m)	0.181	0.00200	"	0.200		90.3	80-120			
Xylene (o)	0.0840	0.00100	"	0.100		84.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

LCS Dup (P4C0805-BSD1)

Prepared & Analyzed: 03/08/24

Benzene	0.116	0.00100	mg/L	0.100		116	80-120	14.8	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	16.3	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120	15.8	20	
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120	15.4	20	
Xylene (o)	0.0985	0.00100	"	0.100		98.5	80-120	15.9	20	
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		86.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.2	80-120			

Calibration Blank (P4C0805-CCB1)

Prepared & Analyzed: 03/08/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.210		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		90.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.2	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4C0805 - * DEFAULT PREP *****

Calibration Blank (P4C0805-CCB2)

Prepared & Analyzed: 03/08/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.290		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.3	80-120			

Calibration Check (P4C0805-CCV1)

Prepared & Analyzed: 03/08/24

Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.0974	0.00100	"	0.100		97.4	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120			
Xylene (o)	0.0979	0.00100	"	0.100		97.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	80-120			

Calibration Check (P4C0805-CCV2)

Prepared & Analyzed: 03/08/24

Benzene	0.109	0.00100	mg/L	0.100		109	80-120			
Toluene	0.0958	0.00100	"	0.100		95.8	80-120			
Ethylbenzene	0.0916	0.00100	"	0.100		91.6	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.0	80-120			
Xylene (o)	0.0938	0.00100	"	0.100		93.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Calibration Check (P4C0805-CCV3)

Prepared: 03/08/24 Analyzed: 03/09/24

Benzene	0.119	0.00100	mg/L	0.100		119	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		110	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4C0805 - * DEFAULT PREP *****

Matrix Spike (P4C0805-MS1)

Source: 4C07006-01

Prepared: 03/08/24 Analyzed: 03/09/24

Benzene	0.113	0.00100	mg/L	0.100	ND	113	80-120			
Toluene	0.105	0.00100	"	0.100	ND	105	80-120			
Ethylbenzene	0.107	0.00100	"	0.100	ND	107	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200	ND	107	80-120			
Xylene (o)	0.101	0.00100	"	0.100	ND	101	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Matrix Spike Dup (P4C0805-MSD1)

Source: 4C07006-01

Prepared: 03/08/24 Analyzed: 03/09/24

Benzene	0.114	0.00100	mg/L	0.100	ND	114	80-120	0.642	20	
Toluene	0.105	0.00100	"	0.100	ND	105	80-120	0.495	20	
Ethylbenzene	0.107	0.00100	"	0.100	ND	107	80-120	0.439	20	
Xylene (p/m)	0.216	0.00200	"	0.200	ND	108	80-120	0.562	20	
Xylene (o)	0.101	0.00100	"	0.100	ND	101	80-120	0.0695	20	
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		87.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Batch P4C1309 - * DEFAULT PREP *****

Blank (P4C1309-BLK1)

Prepared & Analyzed: 03/13/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.9	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4C1309 - * DEFAULT PREP *****

LCS (P4C1309-BS1)

Prepared & Analyzed: 03/13/24

Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.0957	0.00100	"	0.100		95.7	80-120			
Ethylbenzene	0.0953	0.00100	"	0.100		95.3	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.8	80-120			
Xylene (o)	0.0884	0.00100	"	0.100		88.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		84.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

LCS Dup (P4C1309-BSD1)

Prepared & Analyzed: 03/13/24

Benzene	0.103	0.00100	mg/L	0.100		103	80-120	8.50	20	
Toluene	0.0879	0.00100	"	0.100		87.9	80-120	8.44	20	
Ethylbenzene	0.0883	0.00100	"	0.100		88.3	80-120	7.68	20	
Xylene (p/m)	0.176	0.00200	"	0.200		88.2	80-120	6.14	20	
Xylene (o)	0.0843	0.00100	"	0.100		84.3	80-120	4.70	20	
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Calibration Blank (P4C1309-CCB1)

Prepared & Analyzed: 03/13/24

Benzene	0.200		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.230		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		87.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Blank (P4C1309-CCB2)

Prepared & Analyzed: 03/13/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.410		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4C1309 - * DEFAULT PREP *****

Calibration Blank (P4C1309-CCB3)

Prepared & Analyzed: 03/13/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.220		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.4	80-120			

Calibration Check (P4C1309-CCV1)

Prepared & Analyzed: 03/13/24

Benzene	0.116	0.00100	mg/L	0.100		116	80-120			
Toluene	0.0988	0.00100	"	0.100		98.8	80-120			
Ethylbenzene	0.0908	0.00100	"	0.100		90.8	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		94.0	80-120			
Xylene (o)	0.0918	0.00100	"	0.100		91.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Check (P4C1309-CCV2)

Prepared & Analyzed: 03/13/24

Benzene	0.120	0.00100	mg/L	0.100		120	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.0977	0.00100	"	0.100		97.7	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		102	80-120			
Xylene (o)	0.0995	0.00100	"	0.100		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0994		"	0.120		82.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	80-120			

Calibration Check (P4C1309-CCV3)

Prepared & Analyzed: 03/13/24

Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.0996	0.00100	"	0.100		99.6	80-120			
Ethylbenzene	0.0923	0.00100	"	0.100		92.3	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.6	80-120			
Xylene (o)	0.0951	0.00100	"	0.100		95.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4C1309 - * DEFAULT PREP *****

Matrix Spike (P4C1309-MS1)

Source: 4C08015-01

Prepared & Analyzed: 03/13/24

Benzene	0.122	0.00100	mg/L	0.100	ND	122	80-120			QM-05
Toluene	0.104	0.00100	"	0.100	ND	104	80-120			
Ethylbenzene	0.103	0.00100	"	0.100	ND	103	80-120			
Xylene (p/m)	0.204	0.00200	"	0.200	ND	102	80-120			
Xylene (o)	0.0972	0.00100	"	0.100	ND	97.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Matrix Spike Dup (P4C1309-MSD1)

Source: 4C08015-01

Prepared & Analyzed: 03/13/24

Benzene	0.121	0.00100	mg/L	0.100	ND	121	80-120	0.784	20	QM-05
Toluene	0.102	0.00100	"	0.100	ND	102	80-120	1.54	20	
Ethylbenzene	0.103	0.00100	"	0.100	ND	103	80-120	0.631	20	
Xylene (p/m)	0.203	0.00200	"	0.200	ND	101	80-120	0.762	20	
Xylene (o)	0.0961	0.00100	"	0.100	ND	96.1	80-120	1.14	20	
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4C1108 - * DEFAULT PREP *****

Blank (P4C1108-BLK1)

Prepared: 03/11/24 Analyzed: 03/14/24

Chemical Oxygen Demand	ND	2.00	mg/L							

LCS (P4C1108-BS1)

Prepared: 03/11/24 Analyzed: 03/14/24

Chemical Oxygen Demand	117	2.00	mg/L	100		117	80-120			

LCS Dup (P4C1108-BSD1)

Prepared: 03/11/24 Analyzed: 03/14/24

Chemical Oxygen Demand	123	2.00	mg/L	100		123	80-120	5.00	20	L1

Duplicate (P4C1108-DUP1)

Source: 4B26009-01

Prepared: 03/11/24 Analyzed: 03/14/24

Chemical Oxygen Demand	66.0	2.00	mg/L		1260			180	20	R3

Duplicate (P4C1108-DUP2)

Source: 4C07008-03

Prepared: 03/11/24 Analyzed: 03/14/24

Chemical Oxygen Demand	ND	2.00	mg/L		ND				20	

Matrix Spike (P4C1108-MS1)

Source: 4B29001-01

Prepared: 03/11/24 Analyzed: 03/14/24

Chemical Oxygen Demand	163	2.00	mg/L	100	68.0	95.0	80-120			

Matrix Spike (P4C1108-MS2)

Source: 4C07008-03

Prepared: 03/11/24 Analyzed: 03/14/24

Chemical Oxygen Demand	108	2.00	mg/L	100	ND	108	80-120			

Matrix Spike Dup (P4C1108-MSD1)

Source: 4B29001-01

Prepared: 03/11/24 Analyzed: 03/14/24

Chemical Oxygen Demand	161	2.00	mg/L	100	68.0	93.0	80-120	1.23	20	

Matrix Spike Dup (P4C1108-MSD2)

Source: 4C07008-03

Prepared: 03/11/24 Analyzed: 03/14/24

Chemical Oxygen Demand	102	2.00	mg/L	100	ND	102	80-120	5.71	20	

Batch P4C1911 - * DEFAULT PREP *****

Blank (P4C1911-BLK1)

Prepared: 03/08/24 Analyzed: 03/19/24

Nitrate as N	ND	0.200	mg/L							

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4C1911 - *** DEFAULT PREP ***										
LCS (P4C1911-BS1)				Prepared: 03/08/24 Analyzed: 03/19/24						
Nitrate as N	21.8		mg/L	20.0		109	90-110			
LCS Dup (P4C1911-BSD1)				Prepared: 03/08/24 Analyzed: 03/19/24						
Nitrate as N	21.8		mg/L	20.0		109	90-110	0.00918	10	
Calibration Check (P4C1911-CCV1)				Prepared: 03/08/24 Analyzed: 03/19/24						
Nitrate as N	21.8		mg/L	20.0		109	90-110			
Calibration Check (P4C1911-CCV2)				Prepared: 03/08/24 Analyzed: 03/19/24						
Nitrate as N	21.2		mg/L	20.0		106	90-110			
Matrix Spike (P4C1911-MS1)				Source: 4C07008-01		Prepared: 03/08/24 Analyzed: 03/19/24				
Nitrate as N	32.7		mg/L	20.0	0.890	159	80-120			QM-05
Matrix Spike (P4C1911-MS2)				Source: 4C13009-05		Prepared: 03/14/24 Analyzed: 03/19/24				
Nitrate as N	23.6		mg/L	20.0	0.125	118	80-120			
Matrix Spike Dup (P4C1911-MSD1)				Source: 4C07008-01		Prepared: 03/08/24 Analyzed: 03/19/24				
Nitrate as N	32.4		mg/L	20.0	0.890	158	80-120	0.833	20	QM-05
Matrix Spike Dup (P4C1911-MSD2)				Source: 4C13009-05		Prepared: 03/14/24 Analyzed: 03/19/24				
Nitrate as N	23.7		mg/L	20.0	0.125	118	80-120	0.401	20	
Batch P4C2014 - *** DEFAULT PREP ***										
Blank (P4C2014-BLK1)				Prepared: 03/20/24 Analyzed: 03/21/24						
Sulfate	ND	1.00	mg/L							

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4C2014 - *** DEFAULT PREP ***										
LCS (P4C2014-BS1)				Prepared: 03/20/24 Analyzed: 03/21/24						
Sulfate	17.9		mg/L	18.0		99.7	90-110			
LCS Dup (P4C2014-BSD1)				Prepared: 03/20/24 Analyzed: 03/21/24						
Sulfate	18.0		mg/L	18.0		100	90-110	0.489	10	
Calibration Check (P4C2014-CCV1)				Prepared: 03/20/24 Analyzed: 03/21/24						
Sulfate	17.6		mg/L	18.0		97.8	90-110			
Calibration Check (P4C2014-CCV2)				Prepared: 03/20/24 Analyzed: 03/21/24						
Sulfate	17.7		mg/L	18.0		98.2	90-110			
Matrix Spike (P4C2014-MS1)		Source: 4C07008-01		Prepared: 03/20/24 Analyzed: 03/21/24						
Sulfate	107		mg/L	100	9.66	97.7	80-120			
Matrix Spike (P4C2014-MS2)		Source: 4C13009-05		Prepared: 03/20/24 Analyzed: 03/22/24						
Sulfate	107		mg/L	100	7.37	99.8	80-120			
Matrix Spike Dup (P4C2014-MSD1)		Source: 4C07008-01		Prepared: 03/20/24 Analyzed: 03/21/24						
Sulfate	108		mg/L	100	9.66	98.7	80-120	0.915	20	
Matrix Spike Dup (P4C2014-MSD2)		Source: 4C13009-05		Prepared: 03/20/24 Analyzed: 03/22/24						
Sulfate	107		mg/L	100	7.37	99.9	80-120	0.0270	20	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Notes and Definitions

SUB-8 Subcontract of analyte/analysis to A&B Labs Houston.

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

L1 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte results may be biased high.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:  Date: 3/27/2024

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

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If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent BarronProject Name: SUBCONTRACTCompany Name: PBEL

Project #: _____

Company Address: 1400 Rankin HWY

Project Loc: _____

City/State/Zip: Midland Texas 79701

PO #: _____

Telephone No: 432-661-4184

Fax No: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDESSampler Signature: N/Ae-mail: brentbarron@pbelab.com

ORDER #:		Preservation & # of Containers										Matrix		Analyze For:														24 HOUR RUSH STANDARD							
LAB # (lab use only)		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	Na ₂ S ₂ O ₃	NONE 500 POLY	NONE 3 AMBER VOAA VIALS	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Mn DISS ICP-MS 6020A	Fe DISS ICP-MS 6020A	RSXSOP 175 PPM	TOC-415.1															
	4C07008-01			3/6/2024	11:20	Y	5	X	X	X	X					W	X	X	X	X															X
	4C07008-02			3/6/2024	12:36	Y	5	X	X	X	X					W	X	X	X	X															X
	4C07008-03			3/6/2024	13:49	Y	5	X	X	X	X					W	X	X	X	X															X
	4C07008-04			3/6/2024	15:05	Y	5	X	X	X	X					W	X	X	X	X															X
	4C07008-05			3/6/2024	16:22	Y	5	X	X	X	X					W	X	X	X	X															X
	4C07008-06			3/6/2024	17:45	Y	5	X	X	X	X					W	X	X	X	X															X
Laboratory Comments:																																			
Sample Containers Intact?																	Y N																		
VOCs Free of Headspace?																	Y N																		
Labels on container(s)																	Y N																		
Custody seals on container(s)																	Y N																		
Custody seals on cooler(s)																	Y N																		
Sample Hand Delivered																	Y N																		
by Sampler/Client Rep. ?																	Y N																		
by Courier? UPS DHL FedEx Lone Star																																			
Temperature Upon Receipt:																																			
Received: °C																																			
Adjusted: °C Factor																																			

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

Laboratory Analysis Report

Total Number of Pages: 15

Job ID : 24031361



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
Subcontract

Report To : Client Name: Permian Basin Environmental Lab, LP P.O.#.:
Attn: Brent Barron Sample Collected By:
Client Address: 1400 Rankin Hwy Date Collected: 03/06/24
City, State, Zip: Midland, Texas, 79701

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
4C07008-01	Water	24031361.01
4C07008-02	Water	24031361.02
4C07008-03	Water	24031361.03
4C07008-04	Water	24031361.04
4C07008-05	Water	24031361.05
4C07008-06	Water	24031361.06

A handwritten signature in black ink, appearing to read 'ashute'.

Released By: Amanda Shute

Title: Project Manager

Date: 3/25/2024



This Laboratory is NELAP (T104704213-23-31) accredited. Effective: 04/13/2023; Expires: 3/31/2024

Scope: Non-Potable Water, Drinking Water, Air, Solid, Biological Tissue, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Soil samples are reported on a wet weight basis unless otherwise noted. Uncertainty estimates are available on request.

ab-q210-0321

Date Received : 03/14/2024 07:40

LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID : 24031361

Date: 3/25/2024

General Term Definition

Back-Wt	Back Weight	MQL	Unadjusted Minimum Quantitation Limit
BRL	Below Reporting Limit	Post-Wt	Post Weight
cfu	colony-forming units	ppm	parts per million
Conc.	Concentration	Pre-Wt	Previous Weight
D.F.	Dilution Factor	Q	Qualifier
Front-Wt	Front Weight	RegLimit	Regulatory Limit
J	Estimation. Below calibration range but above MDL	RLU	Relative Light Unit
LCS	Laboratory Check Standard	RPD	Relative Percent Difference
LCSD	Laboratory Check Standard Duplicate	RptLimit	Reporting Limit
LOD	Limit of detection adjusted for %M + DF	SDL	Sample Detection Limit
LOQ	Limit of Quantitation adjusted for %M + DF	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight	UQL	Unadjusted Upper Quantitation Limit

Qualifier Definition

LABORATORY TEST RESULTS									
		Job ID : 24031361						Date	3/25/2024
Client Name:		Permian Basin Environmental Lab, LP						Attn: Brent Barron	
Project Name:		Subcontract							
Client Sample ID:		4C07008-01			Job Sample ID:		24031361.01		
Date Collected:		03/06/24			Sample Matrix		Water		
Time Collected:		11:20							
Other Information:									
Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 200.7	Dissolved Metals								
	Iron	BRL	mg/L	1	0.01			03/25/24 12:18	RT
EPA 200.8	Dissolved Metals by ICPMS								
	Manganese	0.00122	mg/L	1	0.0005			03/25/24 13:58	AK
EPA 415.1	Total Organic Carbon								
	TOC	1.5	mg/L	1	1			03/18/24 16:00	AJ
RSK175	Dissolved Gases								
	Ethane	BRL	mg/L	1	0.0012			03/20/24 15:34	AJE
	Ethylene	BRL	mg/L	1	0.0015			03/20/24 15:34	AJE
	Methane	BRL	mg/L	1	0.0029			03/20/24 15:34	AJE

ab-q212-0321

LABORATORY TEST RESULTS									
		Job ID : 24031361						Date 3/25/2024	
Client Name:		Permian Basin Environmental Lab, LP						Attn: Brent Barron	
Project Name:		Subcontract							
Client Sample ID:		4C07008-02			Job Sample ID:		24031361.02		
Date Collected:		03/06/24			Sample Matrix		Water		
Time Collected:		12:36							
Other Information:									
Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 200.7	Dissolved Metals								
	Iron	BRL	mg/L	1	0.01			03/25/24 12:26	RT
EPA 200.8	Dissolved Metals by ICPMS								
	Manganese	0.0171	mg/L	1	0.0005			03/25/24 14:01	AK
EPA 415.1	Total Organic Carbon								
	TOC	1.3	mg/L	1	1			03/18/24 16:00	AJ
RSK175	Dissolved Gases								
	Ethane	BRL	mg/L	1	0.0012			03/20/24 16:11	AJE
	Ethylene	BRL	mg/L	1	0.0015			03/20/24 16:11	AJE
	Methane	0.0217	mg/L	1	0.0029			03/20/24 16:11	AJE

ab-q212-0321

LABORATORY TEST RESULTS									
		Job ID : 24031361						Date	3/25/2024
Client Name:		Permian Basin Environmental Lab, LP						Attn: Brent Barron	
Project Name:		Subcontract							
Client Sample ID:		4C07008-03			Job Sample ID:		24031361.03		
Date Collected:		03/06/24			Sample Matrix		Water		
Time Collected:		13:49							
Other Information:									
Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 200.7	Dissolved Metals								
	Iron	0.0100	mg/L	1	0.01			03/25/24 12:30	RT
EPA 200.8	Dissolved Metals by ICPMS								
	Manganese	0.0416	mg/L	1	0.0005			03/25/24 14:04	AK
EPA 415.1	Total Organic Carbon								
	TOC	1.0	mg/L	1	1			03/18/24 16:00	AJ
RSK175	Dissolved Gases								
	Ethane	BRL	mg/L	1	0.0012			03/20/24 16:47	AJE
	Ethylene	BRL	mg/L	1	0.0015			03/20/24 16:47	AJE
	Methane	0.0330	mg/L	1	0.0029			03/20/24 16:47	AJE

ab-q212-0321

LABORATORY TEST RESULTS									
		Job ID : 24031361						Date	3/25/2024
Client Name:		Permian Basin Environmental Lab, LP						Attn: Brent Barron	
Project Name:		Subcontract							
Client Sample ID:		4C07008-04			Job Sample ID:		24031361.04		
Date Collected:		03/06/24			Sample Matrix		Water		
Time Collected:		15:05							
Other Information:									
Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 200.7	Dissolved Metals								
	Iron	1.62	mg/L	1	0.01			03/25/24 12:34	RT
EPA 200.8	Dissolved Metals by ICPMS								
	Manganese	0.275	mg/L	1	0.0005			03/25/24 14:14	AK
EPA 415.1	Total Organic Carbon								
	TOC	5.9	mg/L	1	1			03/18/24 16:00	AJ
RSK175	Dissolved Gases								
	Ethane	BRL	mg/L	1	0.0012			03/20/24 17:23	AJE
	Ethylene	BRL	mg/L	1	0.0015			03/20/24 17:23	AJE
	Methane	6.28	mg/L	500	1.45			03/21/24 11:34	AJE

ab-q212-0321

LABORATORY TEST RESULTS									
		Job ID : 24031361						Date	3/25/2024
Client Name:		Permian Basin Environmental Lab, LP						Attn: Brent Barron	
Project Name:		Subcontract							
Client Sample ID:		4C07008-05			Job Sample ID:		24031361.05		
Date Collected:		03/06/24			Sample Matrix		Water		
Time Collected:		16:22							
Other Information:									
Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 200.7	Dissolved Metals								
	Iron	0.0460	mg/L	1	0.01			03/25/24 12:38	RT
EPA 200.8	Dissolved Metals by ICPMS								
	Manganese	0.0207	mg/L	1	0.0005			03/25/24 14:17	AK
EPA 415.1	Total Organic Carbon								
	TOC	3.2	mg/L	1	1			03/18/24 16:00	AJ
RSK175	Dissolved Gases								
	Ethane	BRL	mg/L	1	0.0012			03/20/24 17:59	AJE
	Ethylene	BRL	mg/L	1	0.0015			03/20/24 17:59	AJE
	Methane	1.04	mg/L	10	0.0029			03/21/24 17:58	AVB

ab-q212-0321

LABORATORY TEST RESULTS									
		Job ID : 24031361						Date	3/25/2024
Client Name:		Permian Basin Environmental Lab, LP						Attn: Brent Barron	
Project Name:		Subcontract							
Client Sample ID:		4C07008-06			Job Sample ID:		24031361.06		
Date Collected:		03/06/24			Sample Matrix		Water		
Time Collected:		17:45							
Other Information:									
Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
EPA 200.7	Dissolved Metals								
	Iron	1.18	mg/L	1	0.01			03/25/24 12:43	RT
EPA 200.8	Dissolved Metals by ICPMS								
	Manganese	0.410	mg/L	1	0.0005			03/25/24 14:20	AK
EPA 415.1	Total Organic Carbon								
	TOC	13.3	mg/L	1	1			03/18/24 16:00	AJ
RSK175	Dissolved Gases								
	Ethane	BRL	mg/L	1	0.0012			03/20/24 18:35	AJE
	Ethylene	BRL	mg/L	1	0.0015			03/20/24 18:35	AJE
	Methane	4.13	mg/L	500	1.45			03/21/24 12:37	AJE

ab-q212-0321

QUALITY CONTROL CERTIFICATE



Job ID : 24031361

Date : 3/25/2024

Analysis : Total Organic Carbon

Method : EPA 415.1

Reporting Units : mg/L

QC Batch ID : Qb24031849

Created Date : 03/18/24

Created By : Ajohn

Samples in This QC Batch : 24031361.01,02,03,04,05,06

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
TOC	TOC	BRL	mg/L	1	1	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
TOC	10	10.5	105	10	10.1	101	3.9	5	90-110	

QC Type: MS and MSD**QC Sample ID: 24031361.01**

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
TOC	1.5	5	6.7	104						80-120	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 24031361

Date : 3/25/2024

Analysis : Dissolved Gases

Method : RSK175

Reporting Units : mg/L

QC Batch ID : Qb24032188

Created Date : 03/20/24

Created By : JAshok

Samples in This QC Batch : 24031361.01,02,03,04,05,06

Sample Preparation : PB24032119

Prep Method : RSK175

Prep Date : 03/20/24 08:00 Prep By : JAshok

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Ethane	74-84-0	BRL	mg/L	1	0.0012		
Ethylene	74-85-1	BRL	mg/L	1	0.0015		
Methane	74-82-8	BRL	mg/L	1	0.0029		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ethane	0.012	0.0106	88.4	0.012	0.0122	102	14	25	70-130	
Ethylene	0.012	0.00967	80.6	0.012	0.0109	90.8	11.9	25	70-130	
Methane	0.033	0.0289	87.7	0.033	0.0333	101	14	25	70-130	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 24031361

Date : 3/25/2024

Analysis : Dissolved Metals Method : EPA 200.7 Reporting Units : mg/L

QC Batch ID : Qb240325126 Created Date : 03/25/24 Created By : Rajeev

Samples in This QC Batch : 24031361.01,02,03,04,05,06

Digestion : PB24032537 Prep Method : SW-846 3005A Prep Date : 03/25/24 11:15 Prep By : BChristofer

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Iron	7439-89-6T	BRL	mg/L	1	0.01	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Iron	1	0.969	96.9	1	0.955	95.5	1.5	20	80-120	

ab-q213-0321

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE



Job ID : 24031361

Date : 3/25/2024

Analysis : Dissolved Metals by ICPMS **Method :** EPA 200.8 **Reporting Units :** mg/L

QC Batch ID : Qb24032597 **Created Date :** 03/25/24 **Created By :** Abhishek

Samples in This QC Batch : 24031361.01,02,03,04,05,06

Digestion : PB24032529 **Prep Method :** EPA 200.8 **Prep Date :** 03/25/24 10:00 **Prep By :** Abhishek

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Manganese	7439-96-5	BRL	mg/L	1	0.0005	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Manganese	0.05	0.0495	98.9	0.05	0.0500	100	1.1	20	85-115	

ab-q213-0321

Refer to the Definition page for terms.

PBELAB

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Company Name: PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Sampler Signature: N/A

Job ID:24031361



03/14/2024 Permian Basin Environme AMS

Fax No:

e-mail: brentbarron@pbelab.com

Project Name: SUBCONTRACT

Project #:

Project Loc:

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

ORDER #:										Analyze For:																				
LAB # (lab use only)		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers							Matrix															
								ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	Na ₂ S ₂ O ₃	NONE 500 POLY	NONE 3 AMBER VOAA VIALS	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Portable Specify Other	Mn DISS ICP-MS 6020A	Fe DISS ICP-MS 6020A	RSKSOP 175 PPM	TOC-415.1										
01AE	4C07008-01			3/6/2024	11:20	Y	5	X	X	X	X					W	X	X	X	X										
02AB	4C07008-02			3/6/2024	12:36	Y	5	X	X	X	X					W	X	X	X	X										X
13AB	4C07008-03			3/6/2024	13:49	Y	5	X	X	X	X					W	X	X	X	X										X
04AE	4C07008-04			3/6/2024	15:05	Y	5	X	X	X	X					W	X	X	X	X										X
05AE	4C07008-05			3/6/2024	16:22	Y	5	X	X	X	X					W	X	X	X	X										X
06AB	4C07008-06			3/6/2024	17:45	Y	5	X	X	X	X					W	X	X	X	X										X
																W	X	X	X	X										X

Relinquished by:	Date	Time	Received by:	Date	Time
Brent Barron	3/7/24	17:00			
Relinquished by:	Date	Time	Received by:	Date	Time
	03/08/24	9:20	Nelson		
Relinquished by:	Date	Time	Received by:	Date	Time

Laboratory Comments:		
Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier?	UPS	DHL
Temperature Upon Receipt:	FedEx	Lone Star
Received:	°C	4.2°C
Adjusted:	°C Factor	

Red 2.1

ALS

ALS

03/14/24 0725



Amanda Shute <ashute@ablabs.com>

Sample Receipt Confirmation for Job ID 24031361, Subcontract

Brent Barron <BrentBarron@pbelab.com>
To: Amanda Shute <ashute@ablabs.com>

Thu, Mar 21, 2024 at 2:48 PM

Ethene, Ethane, and Methane

On Thu, Mar 21, 2024 at 1:37 PM Amanda Shute <ashute@ablabs.com> wrote:
Good afternoon

Can you specify which parameters you are looking for by RSKOP 175?

On Thu, Mar 14, 2024 at 10:31 AM A & B Labs <reports@ablabs.com> wrote:
Date : 3/14/2024 10:34:52 AM
From : ABL ABL
To : brentbarron@pbelab.com
Subject : Sample Receipt Confirmation, Subcontract

Please confirm the following information is correct as listed.

Report to : Brent Barron
PO# :
Invoice to : Permian Basin Environmental Lab, LP
Brent Barron
1400 Rankin Hwy Midland Texas , 79701
Invoice Email to : Raland@pbelab.com,Tressa@pbelab.com

Notify your project manager if any changes are needed.

See attachment for sample details, including requested analysis, turnaround time, and result due date. Please note results are due at 6pm on the due date listed in the sample receipt confirmation attachment.

This is an automated email. If you have any questions or concerns, please email our project management and customer service teams at customerservice@ablabs.com.

This email is intended for use by the addressee only. It may contain information that is privileged, confidential, and exempt from disclosure under the law. If the recipient is not the addressee or his agent, please refrain from copying or distributing it.

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Twitter : www.twitter.com/ablabs_enviro
LinkedIn : www.linkedin.com/company/a&b-environmental-services-inc-dba-a&b-labs

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Did you know?

A&B Labs can provide Crystalline Silica testing, utilizing X-Ray Diffraction technology for comprehensive and accurate results



Sample Condition Checklist

A&B JobID : 24031361		Date Received : 03/14/2024		Time Received : 7:40AM								
Client Name : Permian Basin Environmental Lab, LP												
Temperature : 4.2°C		Sample pH : <2 Metal, TOC										
Thermometer ID : IR5		pH Paper ID : 110937										
Perservative :		Lot# :										
	Check Points				Yes	No	N/A					
1.	Cooler Seal present and signed.					X						
2.	Sample(s) in a cooler.				X							
3.	If yes, ice in cooler.				X							
4.	Sample(s) received with chain-of-custody.				X							
5.	C-O-C signed and dated.				X							
6.	Sample(s) received with signed sample custody seal.					X						
7.	Sample containers arrived intact. (If No comment)				X							
8.	Matrix:	Water	Soil	Liquid	Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Other
		☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9.	Samples were received in appropriate container(s)				X							
10.	Sample(s) were received with Proper preservative				X							
11.	All samples were tagged or labeled.				X							
12.	Sample ID labels match C-O-C ID's.				X							
13.	Bottle count on C-O-C matches bottles found.				X							
14.	Sample volume is sufficient for analyses requested.				X							
15.	Samples were received with in the hold time.				X							
16.	VOA vials completely filled.				X							
17.	Sample accepted.				X							
18.	Has client been contacted about sub-out						X					

Comments : Include actions taken to resolve discrepancies/problem:

ALS dropped cooler to AB Labs on 03/14/24. ~JE 03/14/24

Brought by : Client

Received by : Jedralin

Check in by/date : Jedralin / 03/14/2024

ab-s005-1123

Phone : 713-453-6060

www.ablabs.com

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



Analytical Report

Prepared for:

Jonathan Repman
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 4C13010



Current Certification

Report Date: 03/14/24

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-13	4C13010-01	Water	03/06/24 10:07	03-13-2024 08:48
MW-18	4C13010-02	Water	03/06/24 10:28	03-13-2024 08:48

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

MW-13
4C13010-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 19:39	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 19:39	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 19:39	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 19:39	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 19:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.8 %		80-120		P4C1309	03/13/24 10:44	03/13/24 19:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P4C1309	03/13/24 10:44	03/13/24 19:39	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

MW-18
4C13010-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 20:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 20:02	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 20:02	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 20:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4C1309	03/13/24 10:44	03/13/24 20:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	89.5 %		80-120		P4C1309	03/13/24 10:44	03/13/24 20:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P4C1309	03/13/24 10:44	03/13/24 20:02	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4C1309 - * DEFAULT PREP *****

Blank (P4C1309-BLK1)

Prepared & Analyzed: 03/13/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.9	80-120			

LCS (P4C1309-BS1)

Prepared & Analyzed: 03/13/24

Benzene	0.113	0.00100	mg/L	0.100		113	80-120			
Toluene	0.0957	0.00100	"	0.100		95.7	80-120			
Ethylbenzene	0.0953	0.00100	"	0.100		95.3	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.8	80-120			
Xylene (o)	0.0884	0.00100	"	0.100		88.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		84.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

LCS Dup (P4C1309-BSD1)

Prepared & Analyzed: 03/13/24

Benzene	0.103	0.00100	mg/L	0.100		103	80-120	8.50	20	
Toluene	0.0879	0.00100	"	0.100		87.9	80-120	8.44	20	
Ethylbenzene	0.0883	0.00100	"	0.100		88.3	80-120	7.68	20	
Xylene (p/m)	0.176	0.00200	"	0.200		88.2	80-120	6.14	20	
Xylene (o)	0.0843	0.00100	"	0.100		84.3	80-120	4.70	20	
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Calibration Blank (P4C1309-CCB1)

Prepared & Analyzed: 03/13/24

Benzene	0.200		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.230		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		87.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4C1309 - * DEFAULT PREP *****

Calibration Blank (P4C1309-CCB2)

Prepared & Analyzed: 03/13/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.410		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Calibration Blank (P4C1309-CCB3)

Prepared & Analyzed: 03/13/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.220		"							
Xylene (p/m)	0.350		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.4	80-120			

Calibration Check (P4C1309-CCV1)

Prepared & Analyzed: 03/13/24

Benzene	0.116	0.00100	mg/L	0.100		116	80-120			
Toluene	0.0988	0.00100	"	0.100		98.8	80-120			
Ethylbenzene	0.0908	0.00100	"	0.100		90.8	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		94.0	80-120			
Xylene (o)	0.0918	0.00100	"	0.100		91.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Check (P4C1309-CCV2)

Prepared & Analyzed: 03/13/24

Benzene	0.120	0.00100	mg/L	0.100		120	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.0977	0.00100	"	0.100		97.7	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		102	80-120			
Xylene (o)	0.0995	0.00100	"	0.100		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0994		"	0.120		82.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4C1309 - *** DEFAULT PREP ***

Calibration Check (P4C1309-CCV3)				Prepared & Analyzed: 03/13/24						
Benzene	0.117	0.00100	mg/L	0.100		117	80-120			
Toluene	0.0996	0.00100	"	0.100		99.6	80-120			
Ethylbenzene	0.0923	0.00100	"	0.100		92.3	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.6	80-120			
Xylene (o)	0.0951	0.00100	"	0.100		95.1	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Matrix Spike (P4C1309-MS1)				Source: 4C08015-01		Prepared & Analyzed: 03/13/24				
Benzene	0.122	0.00100	mg/L	0.100	ND	122	80-120			QM-05
Toluene	0.104	0.00100	"	0.100	ND	104	80-120			
Ethylbenzene	0.103	0.00100	"	0.100	ND	103	80-120			
Xylene (p/m)	0.204	0.00200	"	0.200	ND	102	80-120			
Xylene (o)	0.0972	0.00100	"	0.100	ND	97.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Matrix Spike Dup (P4C1309-MSD1)				Source: 4C08015-01		Prepared & Analyzed: 03/13/24				
Benzene	0.121	0.00100	mg/L	0.100	ND	121	80-120	0.784	20	QM-05
Toluene	0.102	0.00100	"	0.100	ND	102	80-120	1.54	20	
Ethylbenzene	0.103	0.00100	"	0.100	ND	103	80-120	0.631	20	
Xylene (p/m)	0.203	0.00200	"	0.200	ND	101	80-120	0.762	20	
Xylene (o)	0.0961	0.00100	"	0.100	ND	96.1	80-120	1.14	20	
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Notes and Definitions

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

3/14/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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



Analytical Report

Prepared for:

Jonathan Repman
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 4E24003



Current Certification

Report Date: 06/14/24

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	4E24003-01	Water	05/23/24 10:52	05-24-2024 08:17
MW-15	4E24003-02	Water	05/23/24 12:10	05-24-2024 08:17
MW-14	4E24003-03	Water	05/23/24 12:58	05-24-2024 08:17
MW-5	4E24003-04	Water	05/23/24 14:27	05-24-2024 08:17
MW-9	4E24003-05	Water	05/23/24 15:43	05-24-2024 08:17
MW-6	4E24003-06	Water	05/23/24 17:05	05-24-2024 08:17

Dissolved Metals, RSK-175, and TOC analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-10
4E24003-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:08	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:08	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:08	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:08	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:08	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.2 %		80-120		P4E2813	05/28/24 14:28	05/29/24 00:08	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.9 %		80-120		P4E2813	05/28/24 14:28	05/29/24 00:08	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 12:53	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 12:53	8015M	SUB-13
Methane	ND	0.000500	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 12:53	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	12.0	2.00	mg/L	1	P4E2106	05/31/24 10:53	05/31/24 15:16	8000	
Nitrate as N	8.92	0.200	mg/L	1	P4E2806	05/24/24 08:00	05/28/24 16:22	EPA 300.0	
Sulfate	79.5	1.00	mg/L	1	P4E2806	05/28/24 12:25	05/28/24 16:22	EPA 300.0	
Total Organic Carbon	3.15	1.00	mg/L	1	P4F1110	06/05/24 19:00	06/05/24 19:54	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4F1110	05/31/24 13:30	06/05/24 23:06	EPA 6010B	SUB-13
Manganese	ND	0.00500	mg/L	1	P4F1110	05/31/24 13:30	06/05/24 23:06	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-15
4E24003-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:30	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.6 %		80-120		P4E2813	05/28/24 14:28	05/29/24 00:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.5 %		80-120		P4E2813	05/28/24 14:28	05/29/24 00:30	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 13:01	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 13:01	8015M	SUB-13
Methane	0.00109	0.000500	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 13:01	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4E2106	05/31/24 10:53	05/31/24 15:16	8000	
Nitrate as N	2.57	0.200	mg/L	1	P4E2806	05/24/24 08:00	05/28/24 17:14	EPA 300.0	
Sulfate	79.5	1.00	mg/L	1	P4E2806	05/28/24 12:25	05/28/24 17:14	EPA 300.0	
Total Organic Carbon	3.74	1.00	mg/L	1	P4F1110	06/05/24 19:00	06/05/24 20:18	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4F1110	05/31/24 13:30	06/05/24 23:09	EPA 6010B	SUB-13
Manganese	0.0184	0.00500	mg/L	1	P4F1110	05/31/24 13:30	06/05/24 23:09	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-14
4E24003-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:52	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:52	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 00:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	91.8 %		80-120		P4E2813	05/28/24 14:28	05/29/24 00:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.1 %		80-120		P4E2813	05/28/24 14:28	05/29/24 00:52	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 13:10	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 13:10	8015M	SUB-13
Methane	0.0817	0.00250	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 14:16	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4E2106	05/31/24 10:53	05/31/24 15:16	8000	
Nitrate as N	1.84	0.200	mg/L	1	P4E2806	05/24/24 08:00	05/28/24 17:32	EPA 300.0	
Sulfate	56.7	1.00	mg/L	1	P4E2806	05/28/24 12:25	05/28/24 17:32	EPA 300.0	
Total Organic Carbon	2.59	1.00	mg/L	1	P4F1110	06/05/24 19:00	06/05/24 20:29	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4F1110	05/31/24 13:30	06/05/24 23:11	EPA 6010B	SUB-13
Manganese	0.0337	0.00500	mg/L	1	P4F1110	05/31/24 13:30	06/05/24 23:11	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-5
4E24003-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	5.71	0.100	mg/L	100	P4E2813	05/28/24 14:28	05/29/24 01:13	EPA 8021B	
Toluene	2.50	0.100	mg/L	100	P4E2813	05/28/24 14:28	05/29/24 01:13	EPA 8021B	
Ethylbenzene	0.587	0.100	mg/L	100	P4E2813	05/28/24 14:28	05/29/24 01:13	EPA 8021B	
Xylene (p/m)	1.10	0.200	mg/L	100	P4E2813	05/28/24 14:28	05/29/24 01:13	EPA 8021B	
Xylene (o)	0.412	0.100	mg/L	100	P4E2813	05/28/24 14:28	05/29/24 01:13	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>86.7 %</i>				<i>P4E2813</i>	<i>05/28/24 14:28</i>	<i>05/29/24 01:13</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>102 %</i>				<i>P4E2813</i>	<i>05/28/24 14:28</i>	<i>05/29/24 01:13</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 13:33	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 13:33	8015M	SUB-13
Methane	5.07	0.100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 14:25	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	413	2.00	mg/L	1	P4E2106	05/31/24 10:53	05/31/24 15:16	8000	
Nitrate as N	ND	0.200	mg/L	1	P4E2806	05/24/24 08:00	05/28/24 17:49	EPA 300.0	
Sulfate	4.47	1.00	mg/L	1	P4E2806	05/28/24 12:25	05/28/24 17:49	EPA 300.0	
Total Organic Carbon	14.1	10.0	mg/L	1	P4F1110	06/05/24 19:00	06/05/24 21:43	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	1.89	0.200	mg/L	1	P4F1110	05/31/24 13:30	06/25/24 23:18	EPA 6010B	SUB-13
Manganese	0.304	0.00500	mg/L	1	P4F1110	05/31/24 13:30	06/25/24 23:18	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-9
4E24003-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0159	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 01:35	EPA 8021B	
Toluene	0.0158	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 01:35	EPA 8021B	
Ethylbenzene	0.178	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 01:35	EPA 8021B	
Xylene (p/m)	0.457	0.00200	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 01:35	EPA 8021B	
Xylene (o)	0.204	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 01:35	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>103 %</i>	<i>80-120</i>			<i>P4E2813</i>	<i>05/28/24 14:28</i>	<i>05/29/24 01:35</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>84.8 %</i>	<i>80-120</i>			<i>P4E2813</i>	<i>05/28/24 14:28</i>	<i>05/29/24 01:35</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 13:42	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 13:42	8015M	SUB-13
Methane	1.21	0.0250	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 14:34	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	25.0	2.00	mg/L	1	P4E2106	05/31/24 10:53	05/31/24 15:16	8000	
Nitrate as N	ND	0.200	mg/L	1	P4E2806	05/24/24 08:00	05/28/24 18:06	EPA 300.0	
Sulfate	11.6	1.00	mg/L	1	P4E2806	05/28/24 12:25	05/28/24 18:06	EPA 300.0	
Total Organic Carbon	8.09	1.00	mg/L	1	P4F1110	06/05/24 19:00	06/06/24 11:25	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4F1110	05/31/24 13:30	06/05/24 23:21	EPA 6010B	SUB-13
Manganese	0.0194	0.00500	mg/L	1	P4F1110	05/31/24 13:30	06/05/24 23:21	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-6
4E24003-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	3.31	0.0100	mg/L	10	P4E2813	05/28/24 14:28	05/30/24 10:49	EPA 8021B	
Toluene	0.00980	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 01:56	EPA 8021B	
Ethylbenzene	0.0104	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 01:56	EPA 8021B	
Xylene (p/m)	0.0204	0.00200	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 01:56	EPA 8021B	
Xylene (o)	0.00454	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/29/24 01:56	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>94.9 %</i>				<i>P4E2813</i>	<i>05/28/24 14:28</i>	<i>05/29/24 01:56</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>114 %</i>				<i>P4E2813</i>	<i>05/28/24 14:28</i>	<i>05/29/24 01:56</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 14:06	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 14:06	8015M	SUB-13
Methane	2.33	0.0500	mg/L	1	P4F1110	06/05/24 12:00	06/05/24 14:44	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	77.0	2.00	mg/L	1	P4E2106	05/31/24 10:53	05/31/24 15:16	8000	
Nitrate as N	ND	0.200	mg/L	1	P4E2806	05/24/24 08:00	05/28/24 18:24	EPA 300.0	
Sulfate	6.58	1.00	mg/L	1	P4E2806	05/28/24 12:25	05/28/24 18:24	EPA 300.0	
Total Organic Carbon	24.2	1.00	mg/L	1	P4F1110	06/05/24 19:00	06/05/24 22:07	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	1.89	0.200	mg/L	1	P4F1110	05/31/24 13:30	06/05/24 23:23	EPA 6010B	SUB-13
Manganese	0.639	0.00500	mg/L	1	P4F1110	05/31/24 13:30	06/05/24 23:23	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4E2813 - * DEFAULT PREP *****

Blank (P4E2813-BLK1)

Prepared & Analyzed: 05/28/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	0.00251	0.00200	"							B-13
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.7	80-120			

LCS (P4E2813-BS1)

Prepared & Analyzed: 05/28/24

Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		111	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		96.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.8	80-120			

LCS Dup (P4E2813-BSD1)

Prepared & Analyzed: 05/28/24

Benzene	0.0961	0.00100	mg/L	0.100		96.1	80-120	7.94	20	
Toluene	0.0944	0.00100	"	0.100		94.4	80-120	9.11	20	
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120	9.49	20	
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120	8.11	20	
Xylene (o)	0.0936	0.00100	"	0.100		93.6	80-120	7.75	20	
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Calibration Blank (P4E2813-CCB1)

Prepared & Analyzed: 05/28/24

Benzene	0.00		ug/l							
Toluene	0.210		"							
Ethylbenzene	0.590		"							
Xylene (p/m)	2.65		"							B-13
Xylene (o)	0.620		"							
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.4	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4E2813 - * DEFAULT PREP *****

Calibration Blank (P4E2813-CCB2)

Prepared & Analyzed: 05/28/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.540		"							
Xylene (p/m)	2.10		"							B-13
Xylene (o)	0.370		"							
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		92.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.6	80-120			

Calibration Check (P4E2813-CCV1)

Prepared & Analyzed: 05/28/24

Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.221	0.00200	"	0.200		110	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		96.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Calibration Check (P4E2813-CCV2)

Prepared & Analyzed: 05/28/24

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.4	80-120			

Calibration Check (P4E2813-CCV3)

Prepared: 05/28/24 Analyzed: 05/29/24

Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4E2813 - * DEFAULT PREP *****

Matrix Spike (P4E2813-MS1)

Source: 4E21014-01

Prepared: 05/28/24 Analyzed: 05/29/24

Benzene	0.120	0.00100	mg/L	0.100	ND	120	80-120			
Toluene	0.115	0.00100	"	0.100	ND	115	80-120			
Ethylbenzene	0.118	0.00100	"	0.100	0.000530	118	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200	0.00235	116	80-120			
Xylene (o)	0.110	0.00100	"	0.100	ND	110	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.2	80-120			

Matrix Spike Dup (P4E2813-MSD1)

Source: 4E21014-01

Prepared: 05/28/24 Analyzed: 05/29/24

Benzene	0.118	0.00100	mg/L	0.100	ND	118	80-120	0.992	20	
Toluene	0.109	0.00100	"	0.100	ND	109	80-120	4.72	20	
Ethylbenzene	0.109	0.00100	"	0.100	0.000530	109	80-120	7.97	20	
Xylene (p/m)	0.222	0.00200	"	0.200	0.00235	110	80-120	5.74	20	
Xylene (o)	0.104	0.00100	"	0.100	ND	104	80-120	5.62	20	
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4E2106 - * DEFAULT PREP *****

Blank (P4E2106-BLK1)

Prepared & Analyzed: 05/31/24

Chemical Oxygen Demand	ND	2.00	mg/L

LCS (P4E2106-BS1)

Prepared & Analyzed: 05/31/24

Chemical Oxygen Demand	1070	2.00	mg/L	1000	107	80-120

LCS Dup (P4E2106-BSD1)

Prepared & Analyzed: 05/31/24

Chemical Oxygen Demand	1100	2.00	mg/L	1000	110	80-120	2.94	20

Calibration Check (P4E2106-CCV1)

Prepared & Analyzed: 05/31/24

Chemical Oxygen Demand	915	2.00	mg/L			80-120

Calibration Check (P4E2106-CCV2)

Prepared & Analyzed: 05/31/24

Chemical Oxygen Demand	913	2.00	mg/L			80-120

Duplicate (P4E2106-DUP1)

Source: 4E08006-01

Prepared & Analyzed: 05/31/24

Chemical Oxygen Demand	ND	2.00	mg/L	ND			20

Duplicate (P4E2106-DUP2)

Source: 4E16001-01

Prepared & Analyzed: 05/31/24

Chemical Oxygen Demand	21.0	2.00	mg/L	6.00		111	20	R2

Matrix Spike (P4E2106-MS1)

Source: 4E08006-01

Prepared & Analyzed: 05/31/24

Chemical Oxygen Demand	91.0	2.00	mg/L	1000	ND	9.10	80-120

Matrix Spike (P4E2106-MS2)

Source: 4E16001-01

Prepared & Analyzed: 05/31/24

Chemical Oxygen Demand	73.0	2.00	mg/L	1000	6.00	6.70	80-120

Matrix Spike Dup (P4E2106-MSD1)

Source: 4E08006-01

Prepared & Analyzed: 05/31/24

Chemical Oxygen Demand	78.0	2.00	mg/L	1000	ND	7.80	80-120	15.4	20

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4E2106 - * DEFAULT PREP *****

Matrix Spike Dup (P4E2106-MSD2)

Source: 4E16001-01

Prepared & Analyzed: 05/31/24

Chemical Oxygen Demand	30.0	2.00	mg/L	1000	6.00	2.40	80-120	83.5	20	

Batch P4E2806 - * DEFAULT PREP *****

Blank (P4E2806-BLK1)

Prepared & Analyzed: 05/28/24

Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							

LCS (P4E2806-BS1)

Prepared & Analyzed: 05/28/24

Nitrate as N	21.3		mg/L	20.0		106	90-110			
Sulfate	20.5		"	20.0		102	90-110			

LCS Dup (P4E2806-BSD1)

Prepared & Analyzed: 05/28/24

Nitrate as N	21.2		mg/L	20.0		106	90-110	0.0706	10	
Sulfate	20.4		"	20.0		102	90-110	0.137	10	

Calibration Check (P4E2806-CCV1)

Prepared & Analyzed: 05/28/24

Nitrate as N	21.2		mg/L	20.0		106	90-110			
Sulfate	20.5		"	20.0		102	90-110			

Calibration Check (P4E2806-CCV2)

Prepared & Analyzed: 05/28/24

Nitrate as N	21.3		mg/L	20.0		107	90-110			
Sulfate	20.5		"	20.0		103	90-110			

Matrix Spike (P4E2806-MS1)

Source: 4E24003-01

Prepared & Analyzed: 05/28/24

Nitrate as N	30.2	0.200	mg/L	20.0	8.92	106	80-120			
Sulfate	162	1.00	"		79.5		80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas	Project: 97-04_MNA
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4E2806 - *** DEFAULT PREP ***

Matrix Spike Dup (P4E2806-MSD1)	Source: 4E24003-01			Prepared & Analyzed: 05/28/24						
Sulfate	164	1.00	mg/L		79.5		80-120	0.978	20	
Nitrate as N	30.4	0.200	"	20.0	8.92	107	80-120	0.845	20	

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Notes and Definitions

SUB-13 Subcontract of analyte/analysis to ALS Houston.

ROI Received on Ice

R2 The RPD exceeded the acceptance limit.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

B-13 A common laboratory contaminant was above the RL in the blank

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 6/14/2024

Brent Barron, Laboratory Director/Technical Director

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

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If you have received this material in error, please notify us immediately at 432-686-7235.

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

Page 1 of 1

Project Name: 97-04

Project #: SRS: TNM 97-04

Project Loc: Lea County, NM

PO #:

Fax No.:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: irepman@trccompanies.com
clbrvant@nash.com

bokator@trccompanies.com

Preservation & # of Containers

Standard TAT

ct?	Y	N
ce?	X	N
ar(s)	X	N

Sample Hand Delivered
by Sampler/Client Pan 2

Temperature Upon Receipt
Received. **FF** °C

Adjusted: -5.5°C

°C Factor WCF

Released to Imaging: 11/24/2025 2:16:07 PM

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB SUB COC V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #:

Company Address: 1400 Rankin HWY

Project Loc:

City/State/Zip: Midland Texas 79701

PO #: _____

Telephone No: 432-661-4184

Fax No:

Report Format: X Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

[illegible]



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

June 06, 2024

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

Work Order: **HS24051885**

Laboratory Results for: **4E24003**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on May 30, 2024 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

ALS Houston, US

Date: 06-Jun-24

Client: Permian Basin Environmental Lab, LP

Project: 4E24003

Work Order: HS24051885

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24051885-01	4E24003-01	Water		23-May-2024 10:52	30-May-2024 09:35	☐
HS24051885-02	4E24003-02	Water		23-May-2024 12:10	30-May-2024 09:35	☐
HS24051885-03	4E24003-03	Water		23-May-2024 12:58	30-May-2024 09:35	☐
HS24051885-04	4E24003-04	Water		23-May-2024 14:27	30-May-2024 09:35	☐
HS24051885-05	4E24003-05	Water		23-May-2024 15:43	30-May-2024 09:35	☐
HS24051885-06	4E24003-06	Water		23-May-2024 17:05	30-May-2024 09:35	☐

ALS Houston, US

Date: 06-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4E24003
Work Order: HS24051885

CASE NARRATIVE

GC Semivolatiles by Method RSK-175**Batch ID: R468583**

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

Metals by Method SW6020A**Batch ID: 212867**

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

WetChemistry by Method E415.1**Batch ID: R468670****Sample ID: 4E24003-05 (HS24051885-05MS)**

- The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The recovery of the MS may be due to sample matrix interference.

Batch ID: R468617

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

ALS Houston, US

Date: 06-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4E24003

Sample ID:4E24003-01

Collection Date:23-May-2024 10:52

ANALYTICAL REPORT

WorkOrder:HS24051885

Lab ID:HS24051885-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	05-Jun-2024 12:53
Ethene	ND		1.00	ug/L	1	05-Jun-2024 12:53
Methane	ND		0.500	ug/L	1	05-Jun-2024 12:53
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 31-May-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	05-Jun-2024 23:06
Manganese	ND		0.00500	mg/L	1	05-Jun-2024 23:06
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	3.15		1.00	mg/L	1	05-Jun-2024 19:54

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

ALS Houston, US

Date: 06-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4E24003
Sample ID: 4E24003-02
Collection Date: 23-May-2024 12:10

ANALYTICAL REPORT

WorkOrder:HS24051885
Lab ID:HS24051885-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	05-Jun-2024 13:01
Ethene	ND		1.00	ug/L	1	05-Jun-2024 13:01
Methane	1.09		0.500	ug/L	1	05-Jun-2024 13:01
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 31-May-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	05-Jun-2024 23:09
Manganese	0.0184		0.00500	mg/L	1	05-Jun-2024 23:09
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	3.74		1.00	mg/L	1	05-Jun-2024 20:18

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

ALS Houston, US

Date: 06-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4E24003

Sample ID:4E24003-03

Collection Date:23-May-2024 12:58

ANALYTICAL REPORT

WorkOrder:HS24051885

Lab ID:HS24051885-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	05-Jun-2024 13:10
Ethene	ND		1.00	ug/L	1	05-Jun-2024 13:10
Methane	81.7		2.50	ug/L	5	05-Jun-2024 14:16
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 31-May-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	05-Jun-2024 23:11
Manganese	0.0337		0.00500	mg/L	1	05-Jun-2024 23:11
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	2.59		1.00	mg/L	1	05-Jun-2024 20:29

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

ALS Houston, US

Date: 06-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4E24003

Sample ID:4E24003-04

Collection Date:23-May-2024 14:27

ANALYTICAL REPORT

WorkOrder:HS24051885

Lab ID:HS24051885-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	05-Jun-2024 13:33
Ethene	ND		1.00	ug/L	1	05-Jun-2024 13:33
Methane	5,070		100	ug/L	200	05-Jun-2024 14:25
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 31-May-2024 Analyst: JC		
Iron	1.89		0.200	mg/L	1	05-Jun-2024 23:18
Manganese	0.304		0.00500	mg/L	1	05-Jun-2024 23:18
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	14.1		10.0	mg/L	10	05-Jun-2024 21:43

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

ALS Houston, US

Date: 06-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4E24003

Sample ID:4E24003-05

Collection Date:23-May-2024 15:43

ANALYTICAL REPORT

WorkOrder:HS24051885

Lab ID:HS24051885-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	05-Jun-2024 13:42
Ethene	ND		1.00	ug/L	1	05-Jun-2024 13:42
Methane	1,210		25.0	ug/L	50	05-Jun-2024 14:34
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 31-May-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	05-Jun-2024 23:21
Manganese	0.0194		0.00500	mg/L	1	05-Jun-2024 23:21
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	8.09		1.00	mg/L	1	06-Jun-2024 11:25

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

ALS Houston, US

Date: 06-Jun-24

Client:Permian Basin Environmental Lab, LP

Project:4E24003

Sample ID:4E24003-06

Collection Date:23-May-2024 17:05

ANALYTICAL REPORT

WorkOrder:HS24051885

Lab ID:HS24051885-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	05-Jun-2024 14:06
Ethene	ND		1.00	ug/L	1	05-Jun-2024 14:06
Methane	2,330		50.0	ug/L	100	05-Jun-2024 14:44
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 31-May-2024 Analyst: JC		
Iron	1.89		0.200	mg/L	1	05-Jun-2024 23:23
Manganese	0.639		0.00500	mg/L	1	05-Jun-2024 23:23
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	24.2		1.00	mg/L	1	05-Jun-2024 22:07

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4E24003
WorkOrder: HS24051885

Batch ID: 212867	Start Date: 31 May 2024 13:30	End Date: 31 May 2024 13:30
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24051885-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24051885-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24051885-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24051885-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24051885-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24051885-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 06-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4E24003
WorkOrder: HS24051885

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 212867 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24051885-01	4E24003-01	23 May 2024 10:52		31 May 2024 13:30	05 Jun 2024 23:06	1
HS24051885-02	4E24003-02	23 May 2024 12:10		31 May 2024 13:30	05 Jun 2024 23:09	1
HS24051885-03	4E24003-03	23 May 2024 12:58		31 May 2024 13:30	05 Jun 2024 23:11	1
HS24051885-04	4E24003-04	23 May 2024 14:27		31 May 2024 13:30	05 Jun 2024 23:18	1
HS24051885-05	4E24003-05	23 May 2024 15:43		31 May 2024 13:30	05 Jun 2024 23:21	1
HS24051885-06	4E24003-06	23 May 2024 17:05		31 May 2024 13:30	05 Jun 2024 23:23	1
Batch ID: R468583 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24051885-01	4E24003-01	23 May 2024 10:52			05 Jun 2024 12:53	1
HS24051885-02	4E24003-02	23 May 2024 12:10			05 Jun 2024 13:01	1
HS24051885-03	4E24003-03	23 May 2024 12:58			05 Jun 2024 14:16	5
HS24051885-03	4E24003-03	23 May 2024 12:58			05 Jun 2024 13:10	1
HS24051885-04	4E24003-04	23 May 2024 14:27			05 Jun 2024 14:25	200
HS24051885-04	4E24003-04	23 May 2024 14:27			05 Jun 2024 13:33	1
HS24051885-05	4E24003-05	23 May 2024 15:43			05 Jun 2024 14:34	50
HS24051885-05	4E24003-05	23 May 2024 15:43			05 Jun 2024 13:42	1
HS24051885-06	4E24003-06	23 May 2024 17:05			05 Jun 2024 14:44	100
HS24051885-06	4E24003-06	23 May 2024 17:05			05 Jun 2024 14:06	1
Batch ID: R468617 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24051885-01	4E24003-01	23 May 2024 10:52			05 Jun 2024 19:54	1
HS24051885-02	4E24003-02	23 May 2024 12:10			05 Jun 2024 20:18	1
HS24051885-03	4E24003-03	23 May 2024 12:58			05 Jun 2024 20:29	1
HS24051885-04	4E24003-04	23 May 2024 14:27			05 Jun 2024 21:43	10
HS24051885-06	4E24003-06	23 May 2024 17:05			05 Jun 2024 22:07	1
Batch ID: R468670 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24051885-05	4E24003-05	23 May 2024 15:43			06 Jun 2024 11:25	1

ALS Houston, US

Date: 06-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4E24003
WorkOrder: HS24051885

QC BATCH REPORT

Batch ID: R468583 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240605	Units: ug/L		Analysis Date: 05-Jun-2024 12:11					
Client ID:	Run ID: FID-4_468583		SeqNo: 8048897		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-240605	Units: ug/L		Analysis Date: 05-Jun-2024 12:21					
Client ID:	Run ID: FID-4_468583		SeqNo: 8048898		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.38	1.00	18.04	0	85.3	75 - 125			
Ethene	15.64	1.00	16.8	0	93.1	75 - 125			
Methane	8.602	0.500	9.647	0	89.2	75 - 125			

LCSD	Sample ID: LCSD-240605	Units: ug/L		Analysis Date: 05-Jun-2024 12:36					
Client ID:	Run ID: FID-4_468583		SeqNo: 8048899		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.71	1.00	18.04	0	87.1	75 - 125	15.38	2.13	30
Ethene	16.3	1.00	16.8	0	97.0	75 - 125	15.64	4.09	30
Methane	9.064	0.500	9.647	0	94.0	75 - 125	8.602	5.23	30

The following samples were analyzed in this batch:

HS24051885-01	HS24051885-02	HS24051885-03	HS24051885-04
HS24051885-05	HS24051885-06		

ALS Houston, US

Date: 06-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4E24003
WorkOrder: HS24051885

QC BATCH REPORT

Batch ID: 212867 (0)		Instrument: ICPMS07		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-212867	Units: mg/L		Analysis Date: 05-Jun-2024 22:25					
Client ID:	Run ID: ICPMS07_468526	SeqNo: 8049384		PrepDate: 31-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							
LCS	Sample ID: LCS-212867	Units: mg/L		Analysis Date: 05-Jun-2024 22:27					
Client ID:	Run ID: ICPMS07_468526	SeqNo: 8049385		PrepDate: 31-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.062	0.200	5	0	101	80 - 120			
Manganese	0.0484	0.00500	0.05	0	96.8	80 - 120			
MS	Sample ID: HS24051292-03MS	Units: mg/L		Analysis Date: 05-Jun-2024 22:35					
Client ID:	Run ID: ICPMS07_468526	SeqNo: 8049388		PrepDate: 31-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.867	0.200	5	0.005017	97.2	75 - 125			
Manganese	0.04797	0.00500	0.05	0.003153	89.6	75 - 125			
MSD	Sample ID: HS24051292-03MSD	Units: mg/L		Analysis Date: 05-Jun-2024 22:37					
Client ID:	Run ID: ICPMS07_468526	SeqNo: 8049389		PrepDate: 31-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.733	0.200	5	0.005017	94.6	75 - 125	4.867	2.8	20
Manganese	0.04695	0.00500	0.05	0.003153	87.6	75 - 125	0.04797	2.15	20
PDS	Sample ID: HS24051292-03PDS	Units: mg/L		Analysis Date: 05-Jun-2024 22:39					
Client ID:	Run ID: ICPMS07_468526	SeqNo: 8049390		PrepDate: 31-May-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	10.16	0.200	10	0.005017	102	75 - 125			
Manganese	0.1028	0.00500	0.1	0.003153	99.6	75 - 125			

ALS Houston, US

Date: 06-Jun-24

Client: Permian Basin Environmental Lab, LP

Project: 4E24003

WorkOrder: HS24051885

QC BATCH REPORT

Batch ID: 212867 (0)		Instrument: ICPMS07		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)	
SD	Sample ID: HS24051292-03SD	Units: mg/L		Analysis Date: 05-Jun-2024 22:32	
Client ID:	Run ID: ICPMS07_468526		SeqNo: 8049387	PrepDate: 31-May-2024	DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value %REC	Control Limit RPD Ref Value %D Limit Qual
Iron	ND	1.00			0.005017 0 10
Manganese	0.004058	0.0250			0.003153 0 10 J
The following samples were analyzed in this batch:					
HS24051885-01		HS24051885-02		HS24051885-03	
HS24051885-05		HS24051885-06		HS24051885-04	

ALS Houston, US

Date: 06-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4E24003
WorkOrder: HS24051885

QC BATCH REPORT

Batch ID: R468617 (0)		Instrument: TOC_05		Method: TOTAL ORGANIC CARBON BY E415.1							
MBLK	Sample ID: MBLK-06052024	Units: mg/L			Analysis Date: 05-Jun-2024 19:05						
Client ID:		Run ID: TOC_05_468617	SeqNo: 8049973		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual		
Organic Carbon, Total	ND	1.00									
LCS	Sample ID: LCS-06052024	Units: mg/L			Analysis Date: 05-Jun-2024 19:18						
Client ID:		Run ID: TOC_05_468617	SeqNo: 8049974		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual		
Organic Carbon, Total	9.736	1.00	10	0	97.4	85 - 115					
LCSD	Sample ID: LCSD-06052024	Units: mg/L			Analysis Date: 05-Jun-2024 19:30						
Client ID:		Run ID: TOC_05_468617	SeqNo: 8049975		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual		
Organic Carbon, Total	9.789	1.00	10	0	97.9	85 - 115	9.736	0.543	20		
MS	Sample ID: HS24051885-01MS	Units: mg/L			Analysis Date: 05-Jun-2024 20:06						
Client ID: 4E24003-01		Run ID: TOC_05_468617	SeqNo: 8049978		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual		
Organic Carbon, Total	11.65	1.00	10	3.152	85.0	80 - 120					
The following samples were analyzed in this batch:				HS24051885-01		HS24051885-02		HS24051885-03		HS24051885-04	
				HS24051885-06							

ALS Houston, US

Date: 06-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4E24003
WorkOrder: HS24051885

QC BATCH REPORT

Batch ID: R468670 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-06062024	Units: mg/L		Analysis Date: 06-Jun-2024 10:54						
Client ID:	Run ID: TOC_04_468670		SeqNo: 8050826		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	ND	1.00								
LCS	Sample ID: LCS-06062024	Units: mg/L		Analysis Date: 06-Jun-2024 11:05						
Client ID:	Run ID: TOC_04_468670		SeqNo: 8050827		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.214	1.00	10	0	92.1	85 - 115				
LCSD	Sample ID: LCSD-06062024	Units: mg/L		Analysis Date: 06-Jun-2024 11:15						
Client ID:	Run ID: TOC_04_468670		SeqNo: 8050828		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.276	1.00	10	0	92.8	85 - 115	9.214	0.671	20	
MS	Sample ID: HS24051885-05MS	Units: mg/L		Analysis Date: 06-Jun-2024 11:36						
Client ID: 4E24003-05	Run ID: TOC_04_468670		SeqNo: 8050830		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	15.54	1.00	10	8.093	74.5	80 - 120				S
The following samples were analyzed in this batch: HS24051885-05										

ALS Houston, US

Date: 06-Jun-24

Client: Permian Basin Environmental Lab, LP
Project: 4E24003
WorkOrder: HS24051885

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

ALS Houston, US

Date: 06-Jun-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624 - 2024	31-Dec-2024
Oklahoma	2023-140	31-Aug-2024
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US

Date: 06-Jun-24

Sample Receipt Checklist

Work Order ID: HS24051885

Date/Time Received: 30-May-2024 09:35

Client Name: Permian Basin Lab

Received by: Jacob Coronado

Completed By: /S/ Monica Smith	30-May-2024 12:32	Reviewed by: /S/ Anna Kinchen	31-May-2024 09:44
eSignature	Date/Time	eSignature	Date/Time

Matrices: waterCarrier name: FedEx

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	COC IDs:none
Samplers name present on COC?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	3.1 uc/3.2 c IR31		
Cooler(s)/Kit(s):	Blue		
Date/Time sample(s) sent to storage:	05/30/2024 1233		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☒	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:

PBELAB**CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST**

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

HS24051885

Permian Basin Environmental Lab, LP

4E24003



Project Manager: Brent Barron

Company Name: PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Fax No:

Report Format: ☒ Standard☐ TRRP☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

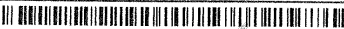
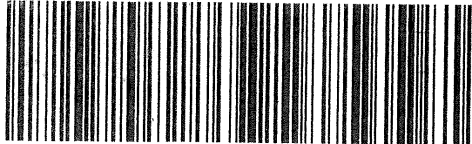
Project #:

Project Loc:

PO #:

ORDER #:		Preservation & # of Containers										Matrix		Analyze For:										24 HOUR RUSH STANDARD													
LAB # (lab use only)		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	ICE	HNO ₃ 250 POLY 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	NaOH/Zn	NONE 500ML POLY 250 MIL POLY 500 ML	MM AMBER GLASS	NONE	DW=Drinking Water SI=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	RSK SOP-175	TOC-415.1	Mn DISS ICP 6010B	Fe DISS ICP 6010B														
	4E24003-01			5/23/2024	10:52	Y	5	X	X	X	X						W			X	X	X	X														X
	4E24003-02			5/23/2024	12:10	Y	5	X	X	X	X						W			X	X	X	X														X
	4E24003-03			5/23/2024	12:58	Y	5	X	X	X	X						W			X	X	X	X														X
	4E24003-04			5/23/2024	14:27	Y	5	X	X	X	X						W			X	X	X	X														X
	4E24003-05			5/23/2024	15:43	Y	5	X	X	X	X						W			X	X	X	X														X
	4E24003-06			5/23/2024	17:05	Y	5	X	X	X	X						W			X	X	X	X														X

Relinquished by: Brent Barron				Date: 5/28/2024	Time: 5:00 PM	Received by:				Date:	Time:	Laboratory Comments:			
Relinquished by:				Date: 5/30/24	Time: 2435	Received by:				Date:	Time:	Sample Containers Intact? Y N			
Relinquished by:				Date:	Time:	Received by:				Date:	Time:	VOCs Free of Headspace? Y N			
				Date:	Time:					Date:	Time:	Labels on container(s) Y N			
				Date:	Time:					Date:	Time:	Custody seals on container(s) Y N			
				Date:	Time:					Date:	Time:	Custody seals on cooler(s) Y N			
				Date:	Time:					Date:	Time:	Sample Hand Delivered Y N			
				Date:	Time:					Date:	Time:	by Sampler/Client Rep. ? Y N			
				Date:	Time:					Date:	Time:	by Courier? UPS DHL FedEx Lone Star			
				Date:	Time:					Date:	Time:	Temperature Upon Receipt: °C			
				Date:	Time:					Date:	Time:	Adjusted: °C Factor			

ORIGIN ID:MAFA (432) 686-7235 BRENT BARRON PBE LAB 1400 RANKIN HWY MIDLAND, TX 79701 UNITED STATES US		SHIP DATE: 29MAY24 ACTWGT: 33.00 LB CAD: 107136846/INET4535 DIMS: 15x17x9 IN BILL RECIPIENT
TO SAMPLE RECEIVING ALS-HOUSTON 10450 STANCLIFF RD HOUSTON TX 77099		
(281) 530-5615 INV: PO:	REF: DEPT:	58344C4589AEC3
		
		
THU - 30 MAY 5:00P STANDARD OVERNIGHT		
TRK# 0201	7766 0577 7377	77099 TX-US IAH
		

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



Analytical Report

Prepared for:

Jonathan Repman
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 4E24002



Current Certification

Report Date: 05/31/24

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-13	4E24002-01	Water	05/23/24 18:12	05-24-2024 08:17
MW-18	4E24002-02	Water	05/23/24 18:47	05-24-2024 08:17

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

MW-13
4E24002-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/28/24 23:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/28/24 23:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/28/24 23:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4E2813	05/28/24 14:28	05/28/24 23:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/28/24 23:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.4 %		80-120		P4E2813	05/28/24 14:28	05/28/24 23:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	94.8 %		80-120		P4E2813	05/28/24 14:28	05/28/24 23:25	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

MW-18
4E24002-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/28/24 23:47	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/28/24 23:47	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/28/24 23:47	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4E2813	05/28/24 14:28	05/28/24 23:47	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4E2813	05/28/24 14:28	05/28/24 23:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.0 %		80-120		P4E2813	05/28/24 14:28	05/28/24 23:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	93.8 %		80-120		P4E2813	05/28/24 14:28	05/28/24 23:47	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4E2813 - * DEFAULT PREP *****

Blank (P4E2813-BLK1)

Prepared & Analyzed: 05/28/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	0.00251	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.7	80-120			

LCS (P4E2813-BS1)

Prepared & Analyzed: 05/28/24

Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		111	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		96.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.8	80-120			

LCS Dup (P4E2813-BSD1)

Prepared & Analyzed: 05/28/24

Benzene	0.0961	0.00100	mg/L	0.100		96.1	80-120	7.94	20	
Toluene	0.0944	0.00100	"	0.100		94.4	80-120	9.11	20	
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120	9.49	20	
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120	8.11	20	
Xylene (o)	0.0936	0.00100	"	0.100		93.6	80-120	7.75	20	
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Calibration Blank (P4E2813-CCB1)

Prepared & Analyzed: 05/28/24

Benzene	0.00		ug/l							
Toluene	0.210		"							
Ethylbenzene	0.590		"							
Xylene (p/m)	2.65		"							
Xylene (o)	0.620		"							
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.4	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4E2813 - * DEFAULT PREP *****

Calibration Blank (P4E2813-CCB2)

Prepared & Analyzed: 05/28/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.540		"							
Xylene (p/m)	2.10		"							
Xylene (o)	0.370		"							
Surrogate: 4-Bromofluorobenzene	0.112		"	0.120		92.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.6	80-120			

Calibration Check (P4E2813-CCV1)

Prepared & Analyzed: 05/28/24

Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.221	0.00200	"	0.200		110	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		96.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Calibration Check (P4E2813-CCV2)

Prepared & Analyzed: 05/28/24

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.110	0.00100	"	0.100		110	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	80-120			
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.4	80-120			

Calibration Check (P4E2813-CCV3)

Prepared: 05/28/24 Analyzed: 05/29/24

Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4E2813 - * DEFAULT PREP *****

Matrix Spike (P4E2813-MS1)

Source: 4E21014-01

Prepared: 05/28/24 Analyzed: 05/29/24

Benzene	0.120	0.00100	mg/L	0.100	ND	120	80-120			
Toluene	0.115	0.00100	"	0.100	ND	115	80-120			
Ethylbenzene	0.118	0.00100	"	0.100	0.000530	118	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200	0.00235	116	80-120			
Xylene (o)	0.110	0.00100	"	0.100	ND	110	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.2	80-120			

Matrix Spike Dup (P4E2813-MSD1)

Source: 4E21014-01

Prepared: 05/28/24 Analyzed: 05/29/24

Benzene	0.118	0.00100	mg/L	0.100	ND	118	80-120	0.992	20	
Toluene	0.109	0.00100	"	0.100	ND	109	80-120	4.72	20	
Ethylbenzene	0.109	0.00100	"	0.100	0.000530	109	80-120	7.97	20	
Xylene (p/m)	0.222	0.00200	"	0.200	0.00235	110	80-120	5.74	20	
Xylene (o)	0.104	0.00100	"	0.100	ND	104	80-120	5.62	20	
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Notes and Definitions

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: _____



Date: 5/31/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

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

Page 1 of 1

Page 9 of 9

Project Name: 97-04

Project #: SRS: TNM 97-04

Project Loc: Lea County, NM

PO#:

Fax No.:

Report Format:

e-mail:

jirepman@trccompanies.com

☒ Standard

☐ TRRP

☐ NPDES

irepman@trccompanies.com
cjbryant@paalp.com
khuddgens@paalp.com
bokator@trccompanies.com

Analyze For:

Standard TAT

[illegible]

BILL TO PLAINS

Laboratory Comments:	
Sample Containers Intact?	N
VOCs Free of Headspace?	N
Labels on Containers(s)	N

Sample Hand Delivered		
N		N
N		N
N		N

Temperature Upon Receipt:

Released to Imaging: 11/24/2025 2:16:07 PM

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



Analytical Report

Prepared for:

Jonathan Repman
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 4120002



Current Certification

Report Date: 10/04/24

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	4I20002-01	Water	09/19/24 11:33	09-20-2024 08:20
MW-15	4I20002-02	Water	09/19/24 12:47	09-20-2024 08:20
MW-14	4I20002-03	Water	09/19/24 14:05	09-20-2024 08:20
MW-5	4I20002-04	Water	09/19/24 15:48	09-20-2024 08:20
MW-9	4I20002-05	Water	09/19/24 17:11	09-20-2024 08:20
MW-6	4I20002-06	Water	09/19/24 18:03	09-20-2024 08:20

TOC, Dissolved Fe, Dissolved Mn, and RSK-175 analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-10
4I20002-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 19:39	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 19:39	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 19:39	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 19:39	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 19:39	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	101 %		80-120		P4I2007	09/20/24 14:16	09/21/24 19:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.5 %		80-120		P4I2007	09/20/24 14:16	09/21/24 19:39	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 09:26	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 09:26	8015M	SUB-13
Methane	0.000824	0.000500	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 09:26	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	2.00	2.00	mg/L	1	P4I1806	09/30/24 10:00	10/01/24 11:53	8000	
Nitrate as N	8.84	0.200	mg/L	1	P4I2009	09/20/24 15:59	09/20/24 23:23	EPA 300.0	
Sulfate	54.4	1.00	mg/L	1	P4I2009	09/20/24 15:59	09/20/24 23:23	EPA 300.0	
Total Organic Carbon	4.67	1.00	mg/L	1	P4J0414	09/25/24 18:28	09/25/24 18:28	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	0.356	0.200	mg/L	1	P4J0414	09/30/24 00:00	09/30/24 20:19	EPA 6010B	SUB-13
Manganese	0.00786	0.00500	mg/L	1	P4J0414	09/30/24 00:00	09/30/24 20:19	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-15
4120002-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 20:01	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 20:01	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 20:01	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 20:01	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 20:01	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		P4I2007	09/20/24 14:16	09/21/24 20:01	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.1 %		80-120		P4I2007	09/20/24 14:16	09/21/24 20:01	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 09:34	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 09:34	8015M	SUB-13
Methane	0.00143	0.000500	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 09:34	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4I1806	09/30/24 10:00	10/01/24 11:53	8000	
Nitrate as N	2.46	0.200	mg/L	1	P4I2009	09/20/24 15:59	09/21/24 00:27	EPA 300.0	
Sulfate	67.2	1.00	mg/L	1	P4I2009	09/20/24 15:59	09/21/24 00:27	EPA 300.0	
Total Organic Carbon	1.41	1.00	mg/L	1	P4J0414	09/25/24 18:37	09/25/24 18:37	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4J0414	09/30/24 00:00	09/30/24 20:05	EPA 6010B	SUB-13
Manganese	0.0275	0.00500	mg/L	1	P4J0414	09/30/24 00:00	09/30/24 20:05	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-14
4120002-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 20:23	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 20:23	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 20:23	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 20:23	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 20:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		P4I2007	09/20/24 14:16	09/21/24 20:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87.7 %		80-120		P4I2007	09/20/24 14:16	09/21/24 20:23	EPA 8021B	

Organics by GC

Ethane	ND	0.00200	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 14:24	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 09:45	8015M	SUB-13
Methane	0.0618	0.00100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 14:24	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4I1806	09/30/24 10:00	10/01/24 11:53	8000	
Nitrate as N	4.24	0.200	mg/L	1	P4I2009	09/20/24 15:59	09/21/24 00:49	EPA 300.0	
Sulfate	52.7	1.00	mg/L	1	P4I2009	09/20/24 15:59	09/21/24 00:49	EPA 300.0	
Total Organic Carbon	1.87	1.00	mg/L	1	P4J0414	09/25/24 18:47	09/25/24 18:47	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4J0414	09/30/24 00:00	09/30/24 20:21	EPA 6010B	SUB-13
Manganese	0.0387	0.00500	mg/L	1	P4J0414	09/30/24 00:00	09/30/24 20:21	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-5
4I20002-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	9.48	0.0500	mg/L	50	P4I2007	09/20/24 14:16	09/23/24 14:16	EPA 8021B	
Toluene	6.49	0.0500	mg/L	50	P4I2007	09/20/24 14:16	09/23/24 14:16	EPA 8021B	
Ethylbenzene	1.36	0.0500	mg/L	50	P4I2007	09/20/24 14:16	09/23/24 14:16	EPA 8021B	
Xylene (p/m)	2.59	0.100	mg/L	50	P4I2007	09/20/24 14:16	09/23/24 14:16	EPA 8021B	
Xylene (o)	0.898	0.0500	mg/L	50	P4I2007	09/20/24 14:16	09/23/24 14:16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>99.7 %</i>				<i>P4I2007</i>	<i>09/20/24 14:16</i>	<i>09/23/24 14:16</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>94.7 %</i>				<i>P4I2007</i>	<i>09/20/24 14:16</i>	<i>09/23/24 14:16</i>	<i>EPA 8021B</i>	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 09:54	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 09:54	8015M	SUB-13
Methane	7.14	0.100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 14:37	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	415	2.00	mg/L	1	P4I3015	09/30/24 10:09	10/01/24 12:16	8000	
Nitrate as N	0.977	0.200	mg/L	1	P4I2009	09/20/24 15:59	09/21/24 01:10	EPA 300.0	
Sulfate	7.42	1.00	mg/L	1	P4I2009	09/20/24 15:59	09/21/24 01:10	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P4J0414	09/25/24 18:57	09/25/24 18:57	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	1.29	0.200	mg/L	1	P4J0414	09/30/24 00:00	09/30/24 20:23	EPA 6010B	SUB-13
Manganese	0.223	0.00500	mg/L	1	P4J0414	09/30/24 00:00	09/30/24 20:23	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-9
4I20002-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0907	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:07	EPA 8021B	
Toluene	0.105	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:07	EPA 8021B	
Ethylbenzene	0.0989	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:07	EPA 8021B	
Xylene (p/m)	0.427	0.00200	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:07	EPA 8021B	
Xylene (o)	0.152	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:07	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	80-120		P4I2007	09/20/24 14:16	09/21/24 21:07	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		83.7 %	80-120		P4I2007	09/20/24 14:16	09/21/24 21:07	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 10:09	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 10:09	8015M	SUB-13
Methane	0.643	0.0100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 14:45	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	2.00	2.00	mg/L	1	P4I1806	09/30/24 10:00	10/01/24 11:53	8000	
Nitrate as N	1.56	0.200	mg/L	1	P4I2009	09/20/24 15:59	09/21/24 01:32	EPA 300.0	
Sulfate	74.1	1.00	mg/L	1	P4I2009	09/20/24 15:59	09/21/24 01:32	EPA 300.0	
Total Organic Carbon	3.88	1.00	mg/L	1	P4J0414	09/25/24 19:08	09/25/24 19:08	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	3.41	0.200	mg/L	1	P4J0414	09/30/24 00:00	09/30/24 20:25	EPA 6010B	SUB-13
Manganese	0.0119	0.00500	mg/L	1	P4J0414	09/30/24 00:00	09/30/24 20:25	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-6
4120002-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	1.76	0.00500	mg/L	5	P4I2007	09/20/24 14:16	09/23/24 14:38	EPA 8021B	
Toluene	0.00152	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:29	EPA 8021B	
Ethylbenzene	0.00169	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:29	EPA 8021B	
Xylene (p/m)	0.00338	0.00200	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:29	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4I2007	09/20/24 14:16	09/21/24 21:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	96.0 %		80-120		P4I2007	09/20/24 14:16	09/21/24 21:29	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P4I2007	09/20/24 14:16	09/21/24 21:29	EPA 8021B	

Organics by GC

Ethane	ND	0.00100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 10:20	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 10:20	8015M	SUB-13
Methane	5.36	0.100	mg/L	1	P4J0414	09/26/24 00:00	09/26/24 15:20	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	51.0	2.00	mg/L	1	P4I1806	09/30/24 10:00	10/01/24 11:53	8000	
Nitrate as N	1.19	0.200	mg/L	1	P4I2009	09/20/24 15:59	09/21/24 01:53	EPA 300.0	
Sulfate	7.31	1.00	mg/L	1	P4I2009	09/20/24 15:59	09/21/24 01:53	EPA 300.0	
Total Organic Carbon	48.8	10.0	mg/L	1	P4J0414	09/25/24 19:58	09/25/24 19:58	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	2.33	0.200	mg/L	1	P4J0414	09/30/24 00:00	09/30/24 20:27	EPA 6010B	SUB-13
Manganese	0.577	0.00500	mg/L	1	P4J0414	09/30/24 00:00	09/30/24 20:27	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4I2007 - * DEFAULT PREP *****

Blank (P4I2007-BLK1)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		88.9	80-120			

LCS (P4I2007-BS1)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.0936	0.00100	mg/L	0.100		93.6	80-120			
Toluene	0.0969	0.00100	"	0.100		96.9	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		112	80-120			
Xylene (o)	0.0982	0.00100	"	0.100		98.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.2	80-120			

LCS Dup (P4I2007-BSD1)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.0976	0.00100	mg/L	0.100		97.6	80-120	4.18	20	
Toluene	0.102	0.00100	"	0.100		102	80-120	4.77	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	4.67	20	
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120	3.90	20	
Xylene (o)	0.102	0.00100	"	0.100		102	80-120	4.22	20	
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.0	80-120			

Calibration Blank (P4I2007-CCB1)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.150		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.0	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4I2007 - * DEFAULT PREP *****

Calibration Blank (P4I2007-CCB2)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.0800		ug/l							
Toluene	0.250		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.1	80-120			

Calibration Check (P4I2007-CCV1)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.0944	0.00100	mg/L	0.100		94.4	80-120			
Toluene	0.0973	0.00100	"	0.100		97.3	80-120			
Ethylbenzene	0.0980	0.00100	"	0.100		98.0	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.0977	0.00100	"	0.100		97.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.7	80-120			

Calibration Check (P4I2007-CCV2)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.0985	0.00100	mg/L	0.100		98.5	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200		114	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.3	80-120			

Calibration Check (P4I2007-CCV3)

Prepared: 09/20/24 Analyzed: 09/21/24

Benzene	0.105	0.00100	mg/L	0.100		105	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.0	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas	Project: 97-04_MNA
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4I2007 - *** DEFAULT PREP ***

Matrix Spike (P4I2007-MS1)		Source: 4I19008-12		Prepared: 09/20/24		Analyzed: 09/21/24				
Benzene	0.117	0.00100	mg/L	0.100	ND	117	80-120			
Toluene	0.124	0.00100	"	0.100	ND	124	80-120			QM-05
Ethylbenzene	0.139	0.00100	"	0.100	ND	139	80-120			QM-05
Xylene (p/m)	0.269	0.00200	"	0.200	ND	135	80-120			QM-05
Xylene (o)	0.125	0.00100	"	0.100	ND	125	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.2	80-120			
Matrix Spike Dup (P4I2007-MSD1)		Source: 4I19008-12		Prepared: 09/20/24		Analyzed: 09/21/24				
Benzene	0.109	0.00100	mg/L	0.100	ND	109	80-120	7.33	20	
Toluene	0.123	0.00100	"	0.100	ND	123	80-120	0.219	20	QM-05
Ethylbenzene	0.139	0.00100	"	0.100	ND	139	80-120	0.496	20	QM-05
Xylene (p/m)	0.271	0.00200	"	0.200	ND	136	80-120	0.866	20	QM-05
Xylene (o)	0.125	0.00100	"	0.100	ND	125	80-120	0.0160	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.9	80-120			

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4I1806 - * DEFAULT PREP *****

Blank (P4I1806-BLK1)				Prepared: 09/18/24 Analyzed: 10/01/24						
Chemical Oxygen Demand	ND	2.00	mg/L							
LCS (P4I1806-BS1)				Prepared: 09/18/24 Analyzed: 10/01/24						
Chemical Oxygen Demand	94.0	2.00	mg/L	100		94.0	80-120			
LCS Dup (P4I1806-BSD1)				Prepared: 09/18/24 Analyzed: 10/01/24						
Chemical Oxygen Demand	94.0	2.00	mg/L	100		94.0	80-120	0.00	20	
Duplicate (P4I1806-DUP1)				Source: 4I06003-01		Prepared: 09/18/24 Analyzed: 10/01/24				
Chemical Oxygen Demand	17.0	2.00	mg/L		17.0			0.00	20	
Matrix Spike (P4I1806-MS1)				Source: 4I06003-01		Prepared: 09/18/24 Analyzed: 10/01/24				
Chemical Oxygen Demand	145	2.00	mg/L	100	17.0	128	80-120			QM-05
Matrix Spike Dup (P4I1806-MSD1)				Source: 4I06003-01		Prepared: 09/18/24 Analyzed: 10/01/24				
Chemical Oxygen Demand	148	2.00	mg/L	100	17.0	131	80-120	2.05	20	QM-05

Batch P4I2009 - * DEFAULT PREP *****

Blank (P4I2009-BLK1)				Prepared & Analyzed: 09/20/24						
Nitrate as N	0.894	0.200	mg/L							
Sulfate	ND	1.00	"							
LCS (P4I2009-BS1)				Prepared & Analyzed: 09/20/24						
Nitrate as N	19.6		mg/L	20.0		98.1	90-110			
Sulfate	18.4		"	20.0		92.0	90-110			

Permian Basin Environmental Lab, L.P.

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Page 12 of 39

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4I2009 - * DEFAULT PREP *****

LCS Dup (P4I2009-BSD1)

Prepared & Analyzed: 09/20/24

Sulfate	18.2		mg/L	20.0		91.2	90-110	0.934	10	
Nitrate as N	19.7		"	20.0		98.4	90-110	0.249	10	

Calibration Check (P4I2009-CCV1)

Prepared & Analyzed: 09/20/24

Sulfate	18.5		mg/L	20.0		92.6	90-110			
Nitrate as N	19.9		"	20.0		99.6	90-110			

Calibration Check (P4I2009-CCV2)

Prepared: 09/20/24 Analyzed: 09/21/24

Nitrate as N	19.7		mg/L	20.0		98.7	90-110			
Sulfate	18.3		"	20.0		91.6	90-110			

Matrix Spike (P4I2009-MS1)

Source: 4I20002-01

Prepared & Analyzed: 09/20/24

Nitrate as N	28.2		mg/L	20.0	8.84	96.8	80-120			
Sulfate	72.6	1.00	"	20.0	54.4	90.8	80-120			

Matrix Spike Dup (P4I2009-MSD1)

Source: 4I20002-01

Prepared: 09/20/24 Analyzed: 09/21/24

Sulfate	72.7	1.00	mg/L	20.0	54.4	91.5	80-120	0.193	20	
Nitrate as N	28.3		"	20.0	8.84	97.2	80-120	0.230	20	

Batch P4I3015 - * DEFAULT PREP *****

Blank (P4I3015-BLK1)

Prepared & Analyzed: 10/01/24

Chemical Oxygen Demand	ND	2.00	mg/L							

LCS (P4I3015-BS1)

Prepared & Analyzed: 10/01/24

Chemical Oxygen Demand	94.0	2.00	mg/L	100		94.0	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas	Project: 97-04_MNA
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4I3015 - *** DEFAULT PREP ***

LCS Dup (P4I3015-BSD1)	Prepared & Analyzed: 10/01/24									
Chemical Oxygen Demand	95.0	2.00	mg/L	100		95.0	80-120	1.06	20	

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Notes and Definitions

SUB-13 Subcontract of analyte/analysis to ALS Houston.

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

10/4/2024

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.



Ω

W:

Phone: 432-6886-7235

**Permian Basin Environmental Lab, LP
1400 Rankin HWY**

Midland, Texas 79701

Project Manager: Jon Repman

Company Name: TRC Environmental Cooperation

Company Address: 10 Desta Dr. Suite 410 E

City/State/Zip: Midland Tx 79705

Telephone No: (432)-520-7720

Sampler Signature: 

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

PO #:

Project Loc: Lea County, NM

Project Name: TNM 97-04 Townsend

Project #: TNM 97-04 (Townsend)

Project #: TNM 97-04 (Townsend)

Page 17 of 39

Released to Imaging: 11/24/2025 2:16:07 PM

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Project Name: SUBCONTRACT

Company Name PBEL

Project #: _____

Company Address: 1400 Rankin HWY

Project Loc: _____

City/State/Zip: Midland Texas 79701

PO #: _____

Telephone No: 432-661-4184

Fax No: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: N/A

e-mail: brentbarron@pbelab.com

ORDER #:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
LAB # (lab use only)		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers								Matrix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Please add tressa@pbelab.com to the WOA. Thank you.

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

BRENT BARRON	9/23/2024	5:00 PM	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time



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

October 01, 2024

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

Work Order: **HS24091193**

Laboratory Results for: **4120002**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Sep 24, 2024 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: JUMOKE.LAWAL

Anna Kinchen
Project Manager

ALS Houston, US

Date: 01-Oct-24

Client: Permian Basin Environmental Lab, LP
Project: 4I20002
Work Order: HS24091193

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24091193-01	4I20002-01	Water		19-Sep-2024 11:33	24-Sep-2024 10:30	☐
HS24091193-02	4I20002-02	Water		19-Sep-2024 12:47	24-Sep-2024 10:30	☐
HS24091193-03	4I20002-03	Water		19-Sep-2024 14:05	24-Sep-2024 10:30	☐
HS24091193-04	4I20002-04	Water		19-Sep-2024 11:54	24-Sep-2024 10:30	☐
HS24091193-05	4I20002-05	Water		19-Sep-2024 17:11	24-Sep-2024 10:30	☐
HS24091193-06	4I20002-06	Water		19-Sep-2024 18:03	24-Sep-2024 10:30	☐

ALS Houston, US

Date: 01-Oct-24

Client: Permian Basin Environmental Lab, LP
Project: 4I20002
Work Order: HS24091193

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R478219

Sample ID: HS24091307-10MS

- MS and MSD are for an unrelated sample

Metals by Method SW6020A

Batch ID: 218246

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

WetChemistry by Method E415.1

Batch ID: R478301

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

ALS Houston, US

Date: 01-Oct-24

Client:Permian Basin Environmental Lab, LP

Project:4I20002

Sample ID:4I20002-01

Collection Date:19-Sep-2024 11:33

ANALYTICAL REPORT

WorkOrder:HS24091193

Lab ID:HS24091193-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	26-Sep-2024 09:26
Ethene	ND		1.00	ug/L	1	26-Sep-2024 09:26
Methane	0.824		0.500	ug/L	1	26-Sep-2024 09:26
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 30-Sep-2024 Analyst: JC		
Iron	0.356		0.200	mg/L	1	30-Sep-2024 20:19
Manganese	0.00786		0.00500	mg/L	1	30-Sep-2024 20:19
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	4.67		1.00	mg/L	1	25-Sep-2024 18:28

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

ALS Houston, US

Date: 01-Oct-24

Client:Permian Basin Environmental Lab, LP

Project:4I20002

Sample ID:4I20002-02

Collection Date:19-Sep-2024 12:47

ANALYTICAL REPORT

WorkOrder:HS24091193

Lab ID:HS24091193-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	26-Sep-2024 09:34
Ethene	ND		1.00	ug/L	1	26-Sep-2024 09:34
Methane	1.43		0.500	ug/L	1	26-Sep-2024 09:34
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 30-Sep-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	30-Sep-2024 20:05
Manganese	0.0275		0.00500	mg/L	1	30-Sep-2024 20:05
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	1.41		1.00	mg/L	1	25-Sep-2024 18:37

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

ALS Houston, US

Date: 01-Oct-24

Client:Permian Basin Environmental Lab, LP

Project:4I20002

Sample ID:4I20002-03

Collection Date:19-Sep-2024 14:05

ANALYTICAL REPORT

WorkOrder:HS24091193

Lab ID:HS24091193-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		2.00	ug/L	2	26-Sep-2024 14:24
Ethene	ND		1.00	ug/L	1	26-Sep-2024 09:45
Methane	61.8		1.00	ug/L	2	26-Sep-2024 14:24
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 30-Sep-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	30-Sep-2024 20:21
Manganese	0.0387		0.00500	mg/L	1	30-Sep-2024 20:21
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	1.87		1.00	mg/L	1	25-Sep-2024 18:47

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

ALS Houston, US

Date: 01-Oct-24

Client:Permian Basin Environmental Lab, LP

Project:4I20002

Sample ID:4I20002-04

Collection Date:19-Sep-2024 11:54

ANALYTICAL REPORT

WorkOrder:HS24091193

Lab ID:HS24091193-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	26-Sep-2024 09:54
Ethene	ND		1.00	ug/L	1	26-Sep-2024 09:54
Methane	7,140		100	ug/L	200	26-Sep-2024 14:37
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 30-Sep-2024 Analyst: JC		
Iron	1.29		0.200	mg/L	1	30-Sep-2024 20:23
Manganese	0.223		0.00500	mg/L	1	30-Sep-2024 20:23
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	ND		10.0	mg/L	10	25-Sep-2024 18:57

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

ALS Houston, US

Date: 01-Oct-24

Client:Permian Basin Environmental Lab, LP

Project:4I20002

Sample ID:4I20002-05

Collection Date:19-Sep-2024 17:11

ANALYTICAL REPORT

WorkOrder:HS24091193

Lab ID:HS24091193-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	26-Sep-2024 10:09
Ethene	ND		1.00	ug/L	1	26-Sep-2024 10:09
Methane	643		10.0	ug/L	20	26-Sep-2024 14:45
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 30-Sep-2024 Analyst: JC		
Iron	3.41		0.200	mg/L	1	30-Sep-2024 20:25
Manganese	0.0119		0.00500	mg/L	1	30-Sep-2024 20:25
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	3.88		1.00	mg/L	1	25-Sep-2024 19:08

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

ALS Houston, US

Date: 01-Oct-24

Client:Permian Basin Environmental Lab, LP

Project:4I20002

Sample ID:4I20002-06

Collection Date:19-Sep-2024 18:03

ANALYTICAL REPORT

WorkOrder:HS24091193

Lab ID:HS24091193-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	26-Sep-2024 10:20
Ethene	ND		1.00	ug/L	1	26-Sep-2024 10:20
Methane	5,360		100	ug/L	200	26-Sep-2024 15:20
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 30-Sep-2024 Analyst: JC		
Iron	2.33		0.200	mg/L	1	30-Sep-2024 20:27
Manganese	0.577		0.00500	mg/L	1	30-Sep-2024 20:27
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: DH		
Organic Carbon, Total	48.8		10.0	mg/L	10	25-Sep-2024 19:58

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4I20002
WorkOrder: HS24091193

Batch ID: 218246	Start Date: 30 Sep 2024 09:00	End Date: 30 Sep 2024 09:00
Method: DISS METALS PREP - WATER - SW3010A	Prep Code: 3010A DISS	

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24091193-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091193-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091193-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091193-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091193-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24091193-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 01-Oct-24

Client: Permian Basin Environmental Lab, LP
Project: 4I20002
WorkOrder: HS24091193

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 218246 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24091193-01	4I20002-01	19 Sep 2024 11:33		30 Sep 2024 09:00	30 Sep 2024 20:19	1
HS24091193-02	4I20002-02	19 Sep 2024 12:47		30 Sep 2024 09:00	30 Sep 2024 20:05	1
HS24091193-03	4I20002-03	19 Sep 2024 14:05		30 Sep 2024 09:00	30 Sep 2024 20:21	1
HS24091193-04	4I20002-04	19 Sep 2024 11:54		30 Sep 2024 09:00	30 Sep 2024 20:23	1
HS24091193-05	4I20002-05	19 Sep 2024 17:11		30 Sep 2024 09:00	30 Sep 2024 20:25	1
HS24091193-06	4I20002-06	19 Sep 2024 18:03		30 Sep 2024 09:00	30 Sep 2024 20:27	1
Batch ID: R478219 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24091193-01	4I20002-01	19 Sep 2024 11:33			26 Sep 2024 09:26	1
HS24091193-02	4I20002-02	19 Sep 2024 12:47			26 Sep 2024 09:34	1
HS24091193-03	4I20002-03	19 Sep 2024 14:05			26 Sep 2024 14:24	2
HS24091193-03	4I20002-03	19 Sep 2024 14:05			26 Sep 2024 09:45	1
HS24091193-04	4I20002-04	19 Sep 2024 11:54			26 Sep 2024 14:37	200
HS24091193-04	4I20002-04	19 Sep 2024 11:54			26 Sep 2024 09:54	1
HS24091193-05	4I20002-05	19 Sep 2024 17:11			26 Sep 2024 14:45	20
HS24091193-05	4I20002-05	19 Sep 2024 17:11			26 Sep 2024 10:09	1
HS24091193-06	4I20002-06	19 Sep 2024 18:03			26 Sep 2024 15:20	200
HS24091193-06	4I20002-06	19 Sep 2024 18:03			26 Sep 2024 10:20	1
Batch ID: R478301 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24091193-01	4I20002-01	19 Sep 2024 11:33			25 Sep 2024 18:28	1
HS24091193-02	4I20002-02	19 Sep 2024 12:47			25 Sep 2024 18:37	1
HS24091193-03	4I20002-03	19 Sep 2024 14:05			25 Sep 2024 18:47	1
HS24091193-04	4I20002-04	19 Sep 2024 11:54			25 Sep 2024 18:57	10
HS24091193-05	4I20002-05	19 Sep 2024 17:11			25 Sep 2024 19:08	1
HS24091193-06	4I20002-06	19 Sep 2024 18:03			25 Sep 2024 19:58	10

ALS Houston, US

Date: 01-Oct-24

Client: Permian Basin Environmental Lab, LP
Project: 4I20002
WorkOrder: HS24091193

QC BATCH REPORT

Batch ID: R478219 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-240926	Units: ug/L		Analysis Date: 26-Sep-2024 08:41					
Client ID:	Run ID: FID-4_478219	SeqNo: 8273971		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-240926	Units: ug/L		Analysis Date: 26-Sep-2024 08:57					
Client ID:	Run ID: FID-4_478219	SeqNo: 8273972		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	16.41	1.00	18.04	0	91.0	75 - 125			
Ethene	15.5	1.00	16.8	0	92.2	75 - 125			
Methane	8.427	0.500	9.647	0	87.4	75 - 125			

LCSD	Sample ID: LCSD-240926	Units: ug/L		Analysis Date: 26-Sep-2024 09:07					
Client ID:	Run ID: FID-4_478219	SeqNo: 8273973		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	16.12	1.00	18.04	0	89.3	75 - 125	16.41	1.81	30
Ethene	15.33	1.00	16.8	0	91.2	75 - 125	15.5	1.09	30
Methane	8.195	0.500	9.647	0	84.9	75 - 125	8.427	2.79	30

MS	Sample ID: HS24091307-10MS	Units: ug/L		Analysis Date: 26-Sep-2024 13:41					
Client ID:	Run ID: FID-4_478219	SeqNo: 8274035		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	26.13	1.00	18.04	0	145	75 - 125			S
Ethene	28.07	1.00	16.8	0	167	75 - 125			S
Methane	2415	0.500	9.647	2589	-1800	75 - 125			SEO

ALS Houston, US

Date: 01-Oct-24

Client: Permian Basin Environmental Lab, LP

Project: 4I20002

WorkOrder: HS24091193

QC BATCH REPORT

Batch ID: R478219 (0)												Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175																																					
MSD		Sample ID: HS24091307-10MSD				Units: ug/L				Analysis Date: 26-Sep-2024 13:53																																									
Client ID:				Run ID: FID-4_478219				SeqNo: 8274036				PrepDate:				DF: 1																																			
Analyte		Result		PQL		SPK Val		SPK Ref Value		%REC		Control Limit		RPD Ref Value		RPD %RPD		RPD Limit		Qual																															
Ethane		26.21		1.00		18.04		0		145		75 - 125		26.13		0.327		30		S																															
Ethene		27.46		1.00		16.8		0		163		75 - 125		28.07		2.21		30		S																															
Methane		2398		0.500		9.647		2589		-1970		75 - 125		2415		0.703		30		SEO																															
The following samples were analyzed in this batch:												HS24091193-01										HS24091193-02										HS24091193-03										HS24091193-04									
												HS24091193-05										HS24091193-06																													

ALS Houston, US

Date: 01-Oct-24

Client: Permian Basin Environmental Lab, LP
Project: 4I20002
WorkOrder: HS24091193

QC BATCH REPORT

Batch ID: 218246 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-218246	Units: mg/L		Analysis Date: 30-Sep-2024 19:57					
Client ID:	Run ID: ICPMS06_478526	SeqNo: 8281842		PrepDate: 30-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							

LCS	Sample ID: LCS-218246	Units: mg/L		Analysis Date: 30-Sep-2024 19:59					
Client ID:	Run ID: ICPMS06_478526	SeqNo: 8281843		PrepDate: 30-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.752	0.200	5	0	95.0	80 - 120			
Manganese	0.04644	0.00500	0.05	0	92.9	80 - 120			

MS	Sample ID: HS24091193-02MS	Units: mg/L		Analysis Date: 30-Sep-2024 20:07					
Client ID: 4I20002-02	Run ID: ICPMS06_478526	SeqNo: 8281847		PrepDate: 30-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.744	0.200	5	0.05126	93.9	75 - 125			
Manganese	0.07106	0.00500	0.05	0.0275	87.1	75 - 125			

MSD	Sample ID: HS24091193-02MSD	Units: mg/L		Analysis Date: 30-Sep-2024 20:09					
Client ID: 4I20002-02	Run ID: ICPMS06_478526	SeqNo: 8281848		PrepDate: 30-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.79	0.200	5	0.05126	94.8	75 - 125	4.744	0.954	20
Manganese	0.07185	0.00500	0.05	0.0275	88.7	75 - 125	0.07106	1.1	20

PDS	Sample ID: HS24091193-02PDS	Units: mg/L		Analysis Date: 30-Sep-2024 20:11					
Client ID: 4I20002-02	Run ID: ICPMS06_478526	SeqNo: 8281849		PrepDate: 30-Sep-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	10.02	0.200	10	0.05126	99.7	75 - 125			
Manganese	0.1208	0.00500	0.1	0.0275	93.3	75 - 125			

ALS Houston, US

Date: 01-Oct-24

Client: Permian Basin Environmental Lab, LP

Project: 4I20002

WorkOrder: HS24091193

QC BATCH REPORT

Batch ID: 218246 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)							
SD	Sample ID: HS24091193-02SD		Units: mg/L		Analysis Date: 30-Sep-2024 20:01						
Client ID: 4I20002-02		Run ID: ICPMS06_478526		SeqNo: 8281844		PrepDate: 30-Sep-2024		DF: 5			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit	%D Qual	
Iron	ND	1.00					0.05126	0	10		
Manganese	0.02655	0.0250					0.0275	3.47	10		
The following samples were analyzed in this batch:											
				HS24091193-01		HS24091193-02		HS24091193-03		HS24091193-04	
				HS24091193-05		HS24091193-06					

ALS Houston, US

Date: 01-Oct-24

Client: Permian Basin Environmental Lab, LP
Project: 4I20002
WorkOrder: HS24091193

QC BATCH REPORT

Batch ID: R478301 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-09252024	Units: mg/L			Analysis Date: 25-Sep-2024 16:44					
Client ID:		Run ID: TOC_04_478301	SeqNo: 8276145		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual	
Organic Carbon, Total	ND	1.00								
LCS	Sample ID: LCS-09252024	Units: mg/L			Analysis Date: 25-Sep-2024 17:35					
Client ID:		Run ID: TOC_04_478301	SeqNo: 8276146		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual	
Organic Carbon, Total	9.323	1.00	10	0	93.2	85 - 115				
LCSD	Sample ID: LCSD-09252024	Units: mg/L			Analysis Date: 25-Sep-2024 17:45					
Client ID:		Run ID: TOC_04_478301	SeqNo: 8276147		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual	
Organic Carbon, Total	9.516	1.00	10	0	95.2	85 - 115	9.323	2.05	20	
MS	Sample ID: HS24091064-01MS	Units: mg/L			Analysis Date: 25-Sep-2024 18:17					
Client ID:		Run ID: TOC_04_478301	SeqNo: 8276149		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual	
Organic Carbon, Total	13.61	1.00	10	4.511	91.0	80 - 120				
The following samples were analyzed in this batch:				HS24091193-01		HS24091193-02		HS24091193-03		HS24091193-04
				HS24091193-05		HS24091193-06				

ALS Houston, US

Date: 01-Oct-24

Client: Permian Basin Environmental Lab, LP
Project: 4I20002
WorkOrder: HS24091193

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

ALS Houston, US

Date: 01-Oct-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US

Date: 01-Oct-24

Sample Receipt Checklist

Work Order ID: HS24091193

Date/Time Received: 24-Sep-2024 10:30

Client Name: Permian Basin Lab

Received by: Michael Lucio

Completed By: /S/ Ruben Estrada-Jr	24-Sep-2024 15:08	Reviewed by: /S/ Alexis Dorenbosch	30-Sep-2024 15:49
eSignature	Date/Time	eSignature	Date/Time

Matrices: **WATER**Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Samplers name present on COC?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	1.4C IR34		
Cooler(s)/Kit(s):	RED		
Date/Time sample(s) sent to storage:	9/24/24 14:30		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☒
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



Phone: 432-686-7235
PBELAB SUB COC V2

Sampler Signature: N/A

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PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: brentbarron@pbelab.com

[illegible]

ORIGIN ID:MAFA (432) 696-7235

BRENT BARON
BRENT LB
1450 PARKIN HWY
MIDLAND, TX 79701
UNITED STATES US

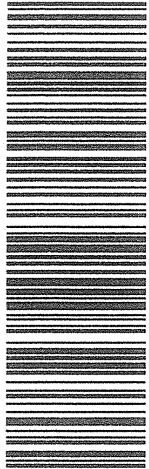
SHIP DATE: 23SEP24
ACTWT: 35.00 LB
CAD: 1071866INET4535
DMS: 15X17X19 IN
BILL RECIPIENT

TO
SAMPLE RECEIVING
ALS-HOUSTON
10450 STANCLIFF RD
HOUSTON TX 77099
REF: (281) 500-5615
INV: DEPT: 583J2/4EF9/9AE3



TRK# 7787 7023 4110 TUE - 24 SEP 5:00P
STANDARD OVERNIGHT

AB SGRA 77099
TX-US IAH



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



Analytical Report

Prepared for:

Jonathan Repman
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 4127004



Current Certification

Report Date: 10/01/24

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-18	4I27004-01	Water	09/19/24 18:58	09-27-2024 09:10
MW-13	4I27004-02	Water	09/19/24 18:39	09-27-2024 09:10

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

MW-18
4127004-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P412705	09/27/24 11:35	09/28/24 08:09	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P412705	09/27/24 11:35	09/28/24 08:09	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P412705	09/27/24 11:35	09/28/24 08:09	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P412705	09/27/24 11:35	09/28/24 08:09	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P412705	09/27/24 11:35	09/28/24 08:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	117 %		80-120		P412705	09/27/24 11:35	09/28/24 08:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.5 %		80-120		P412705	09/27/24 11:35	09/28/24 08:09	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

MW-13
4127004-02 (Water)

Analyte	Reporting Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P412705	09/27/24 11:35	09/28/24 08:30	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P412705	09/27/24 11:35	09/28/24 08:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P412705	09/27/24 11:35	09/28/24 08:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P412705	09/27/24 11:35	09/28/24 08:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P412705	09/27/24 11:35	09/28/24 08:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	113 %		80-120		P412705	09/27/24 11:35	09/28/24 08:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	85.2 %		80-120		P412705	09/27/24 11:35	09/28/24 08:30	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P412705 - * DEFAULT PREP *****

Blank (P412705-BLK1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.3	80-120			

LCS (P412705-BS1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.0983	0.00100	mg/L	0.100		98.3	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		118	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.143		"	0.120		119	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.2	80-120			

LCS Dup (P412705-BS1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.100	0.00100	mg/L	0.100		100	80-120	2.12	20	
Toluene	0.105	0.00100	"	0.100		105	80-120	3.04	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120	2.44	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	1.13	20	
Xylene (o)	0.106	0.00100	"	0.100		106	80-120	2.19	20	
Surrogate: 4-Bromofluorobenzene	0.142		"	0.120		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	80-120			

Calibration Blank (P412705-CCB1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.3	80-120			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4I2705 - * DEFAULT PREP *****

Calibration Blank (P4I2705-CCB2)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.141		"	0.120		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.102		"	0.120		85.0	80-120			

Calibration Check (P4I2705-CCV1)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		119	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.138		"	0.120		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.8	80-120			

Calibration Check (P4I2705-CCV2)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.240	0.00200	"	0.200		120	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.6	80-120			

Calibration Check (P4I2705-CCV3)

Prepared: 09/27/24 Analyzed: 09/28/24

Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 4-Bromofluorobenzene	0.136		"	0.120		114	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.8	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

Organics by GC - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4I2705 - *** DEFAULT PREP ***

Matrix Spike (P4I2705-MS1)		Source: 4I26013-14		Prepared: 09/27/24		Analyzed: 09/28/24				
Benzene	0.101	0.00100	mg/L	0.100	ND	101	80-120			
Toluene	0.105	0.00100	"	0.100	ND	105	80-120			
Ethylbenzene	0.119	0.00100	"	0.100	ND	119	80-120			
Xylene (p/m)	0.238	0.00200	"	0.200	ND	119	80-120			
Xylene (o)	0.104	0.00100	"	0.100	ND	104	80-120			
Surrogate: 4-Bromofluorobenzene	0.142		"	0.120		118	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.9	80-120			
Matrix Spike Dup (P4I2705-MSD1)		Source: 4I26013-14		Prepared: 09/27/24		Analyzed: 09/28/24				
Benzene	0.102	0.00100	mg/L	0.100	ND	102	80-120	1.55	20	
Toluene	0.107	0.00100	"	0.100	ND	107	80-120	1.65	20	
Ethylbenzene	0.122	0.00100	"	0.100	ND	122	80-120	2.13	20	QM-05
Xylene (p/m)	0.242	0.00200	"	0.200	ND	121	80-120	1.58	20	QM-05
Xylene (o)	0.105	0.00100	"	0.100	ND	105	80-120	1.37	20	
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.6	80-120			

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Notes and Definitions

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

10/1/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-686-7235

Project Manager: Jon Kepman

Company Name: Trc

Company Address: 10 West Dr

City/State/Zip: Midland Tx 79705

Telephone No: 432 520-7720

Fax No:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

Sampler Signature: [Signature]

e-mail:

ORDER #: 4I27004

(lab use only)

Preservation & # of Containers

Matrix

Analyze For:

TCLP:

TOTAL:

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: TX 1005 TX 1006

Anions (Cl, SO₄, Alkalinity)

BTEX 8021B/5030 or BTEX 8260

RUSH TAT (Pre-Schedule) 24, 48, 72 h

Standard TAT

Special Instructions:

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

Relinquished by:

Date

Time

Received by:

Date

Time

PBEL_COC_2021_1

Revision #: 2021_1

Effective Date: 9-21-21

Laboratory Comments:

Sample Containers Intact?

VOCs Free of Headspace?

Labels on container(s)

Custody seals on container(s)

Custody seals on cooler(s)

Sample Hand Delivered

by Courier? UPS DHL FedEx

Temperature Upon Receipt: 4.3 °C

Thermometer: N/A

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



Analytical Report

Prepared for:

Jonathan Repman
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 4L13002



Current Certification

Report Date: 01/03/25

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	4L13002-01	Water	12/12/24 10:50	12-13-2024 08:50
MW-14	4L13002-02	Water	12/12/24 11:55	12-13-2024 08:50
MW-15	4L13002-03	Water	12/12/24 12:40	12-13-2024 08:50
MW-6	4L13002-04	Water	12/12/24 15:50	12-13-2024 08:50
MW-9	4L13002-05	Water	12/12/24 16:38	12-13-2024 08:50
MW-5	4L13002-06	Water	12/12/24 17:47	12-13-2024 08:50

TOC, Dissolved Iron and Manganese, and RSK-175 analysis were subcontracted to ALS Houston. Their report is attached after the Chain of Custody. Their TCEQ TNI certification number can be found here:

https://www.tceq.texas.gov/assets/public/compliance/compliance_support/qa/labs/als_svcs_houston.pdf

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-10
4L13002-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:05	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:05	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:05	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:05	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	73.9 %		80-120		P4L1312	12/13/24 15:21	12/14/24 23:05	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	101 %		80-120		P4L1312	12/13/24 15:21	12/14/24 23:05	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 14:34	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 14:34	8015M	SUB-13
Methane	0.00128	0.000500	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 14:34	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	7.00	2.00	mg/L	1	P4L2313	12/23/24 09:59	12/23/24 10:00	8000	
Nitrate as N	7.93	0.200	mg/L	1	P4L1313	12/13/24 09:41	12/13/24 18:13	EPA 300.0	
Sulfate	73.1	1.00	mg/L	1	P4L1313	12/13/24 09:41	12/13/24 18:13	EPA 300.0	
Total Organic Carbon	2.16	1.00	mg/L	1	P4L3012	12/19/24 22:05	12/19/24 22:05	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 01:34	EPA 6010B	SUB-13
Manganese	0.00616	0.00500	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 01:34	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-14
4L13002-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:27	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:27	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:27	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:27	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	72.8 %		80-120		P4L1312	12/13/24 15:21	12/14/24 23:27	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P4L1312	12/13/24 15:21	12/14/24 23:27	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 08:30	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 08:30	8015M	SUB-13
Methane	0.0368	0.000500	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 08:30	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4L2313	12/23/24 09:59	12/23/24 10:00	8000	
Nitrate as N	8.27	0.200	mg/L	1	P4L1313	12/13/24 09:41	12/13/24 19:11	EPA 300.0	
Sulfate	67.8	1.00	mg/L	1	P4L1313	12/13/24 09:41	12/13/24 19:11	EPA 300.0	
Total Organic Carbon	1.17	1.00	mg/L	1	P4L3012	12/20/24 22:36	12/20/24 22:36	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 01:36	EPA 6010B	SUB-13
Manganese	0.0441	0.00500	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 01:36	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-15
4L13002-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:50	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:50	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:50	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:50	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/14/24 23:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	73.2 %		80-120		P4L1312	12/13/24 15:21	12/14/24 23:50	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4L1312	12/13/24 15:21	12/14/24 23:50	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 08:39	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 08:39	8015M	SUB-13
Methane	0.00115	0.000500	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 08:39	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	ND	2.00	mg/L	1	P4L2313	12/23/24 09:59	12/23/24 10:00	8000	
Nitrate as N	2.65	0.200	mg/L	1	P4L1313	12/13/24 09:41	12/13/24 19:31	EPA 300.0	
Sulfate	89.3	1.00	mg/L	1	P4L1313	12/13/24 09:41	12/13/24 19:31	EPA 300.0	
Total Organic Carbon	1.22	1.00	mg/L	1	P4L3012	12/20/24 22:59	12/20/24 22:59	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 01:38	EPA 6010B	SUB-13
Manganese	0.0135	0.00500	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 01:38	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-6
4L13002-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	1.63	0.0100	mg/L	10	P4L1312	12/13/24 15:21	12/16/24 11:28	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/15/24 00:12	EPA 8021B	
Ethylbenzene	0.00192	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/15/24 00:12	EPA 8021B	
Xylene (p/m)	0.00340	0.00200	mg/L	1	P4L1312	12/13/24 15:21	12/15/24 00:12	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/15/24 00:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	71.7 %	80-120			P4L1312	12/13/24 15:21	12/15/24 00:12	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	118 %	80-120			P4L1312	12/13/24 15:21	12/15/24 00:12	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 08:48	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 08:48	8015M	SUB-13
Methane	2.98	0.0500	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 12:00	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	63.0	2.00	mg/L	1	P4L2314	12/23/24 10:01	12/23/24 10:03	8000	
Nitrate as N	ND	0.200	mg/L	1	P4L1313	12/13/24 09:41	12/13/24 19:50	EPA 300.0	
Sulfate	17.2	1.00	mg/L	1	P4L1313	12/13/24 09:41	12/13/24 19:50	EPA 300.0	
Total Organic Carbon	21.5	10.0	mg/L	1	P4L3012	12/20/24 23:10	12/20/24 23:10	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	2.47	0.200	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 01:40	EPA 6010B	SUB-13
Manganese	0.626	0.00500	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 01:40	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-9
4L13002-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	0.0104	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/15/24 00:35	EPA 8021B	
Toluene	0.00666	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/15/24 00:35	EPA 8021B	
Ethylbenzene	0.103	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/15/24 00:35	EPA 8021B	
Xylene (p/m)	0.302	0.00200	mg/L	1	P4L1312	12/13/24 15:21	12/15/24 00:35	EPA 8021B	
Xylene (o)	0.105	0.00100	mg/L	1	P4L1312	12/13/24 15:21	12/15/24 00:35	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>87.8 %</i>	<i>80-120</i>			<i>P4L1312</i>	<i>12/13/24 15:21</i>	<i>12/15/24 00:35</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>87.9 %</i>	<i>80-120</i>			<i>P4L1312</i>	<i>12/13/24 15:21</i>	<i>12/15/24 00:35</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 08:56	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 08:56	8015M	SUB-13
Methane	0.652	0.0100	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 12:27	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	110	20.0	mg/L	1	P4L2314	12/23/24 10:01	12/23/24 10:03	8000	
Nitrate as N	ND	0.200	mg/L	1	P4L1313	12/13/24 09:41	12/13/24 20:09	EPA 300.0	
Sulfate	21.5	1.00	mg/L	1	P4L1313	12/13/24 09:41	12/13/24 20:09	EPA 300.0	
Total Organic Carbon	4.44	1.00	mg/L	1	P4L3012	12/21/24 18:55	12/21/24 18:55	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	ND	0.200	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 01:42	EPA 6010B	SUB-13
Manganese	0.0300	0.00500	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 01:42	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-5
4L13002-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	10.5	0.100	mg/L	100	P4L1609	12/16/24 10:48	12/17/24 11:24	EPA 8021B	
Toluene	5.31	0.100	mg/L	100	P4L1609	12/16/24 10:48	12/17/24 11:24	EPA 8021B	
Ethylbenzene	1.39	0.100	mg/L	100	P4L1609	12/16/24 10:48	12/17/24 11:24	EPA 8021B	
Xylene (p/m)	3.03	0.200	mg/L	100	P4L1609	12/16/24 10:48	12/17/24 11:24	EPA 8021B	
Xylene (o)	0.902	0.100	mg/L	100	P4L1609	12/16/24 10:48	12/17/24 11:24	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>78.2 %</i>				<i>P4L1609</i>	<i>12/16/24 10:48</i>	<i>12/17/24 11:24</i>	<i>EPA 8021B</i>	<i>S-GC</i>
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>109 %</i>				<i>P4L1609</i>	<i>12/16/24 10:48</i>	<i>12/17/24 11:24</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 09:04	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 09:04	8015M	SUB-13
Methane	2.73	0.0500	mg/L	1	P4L3012	12/18/24 00:00	12/23/24 12:51	8015M	SUB-13

General Chemistry Parameters by EPA / Standard Methods

Chemical Oxygen Demand	2140	40.0	mg/L	1	P4L2314	12/23/24 10:01	12/23/24 10:03	8000	
Nitrate as N	ND	0.200	mg/L	1	P4L1313	12/13/24 09:41	12/13/24 20:29	EPA 300.0	
Sulfate	15.9	1.00	mg/L	1	P4L1313	12/13/24 09:41	12/13/24 20:29	EPA 300.0	
Total Organic Carbon	11.8	10.0	mg/L	1	P4L3012	12/24/24 16:07	12/24/24 16:07	EPA 415.1	SUB-13

Dissolved Metals by EPA / Standard Methods

Iron	1.88	0.200	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 01:44	EPA 6010B	SUB-13
Manganese	0.255	0.00500	mg/L	1	P4L3012	12/18/24 00:00	12/20/24 01:44	EPA 6010B	SUB-13

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L1312 - * DEFAULT PREP *****

Blank (P4L1312-BLK1)

Prepared: 12/13/24 Analyzed: 12/14/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0896		"	0.120		74.6	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

LCS (P4L1312-BS1)

Prepared: 12/13/24 Analyzed: 12/14/24

Benzene	0.0971	0.00100	mg/L	0.100		97.1	80-120			
Toluene	0.0916	0.00100	"	0.100		91.6	80-120			
Ethylbenzene	0.0994	0.00100	"	0.100		99.4	80-120			
Xylene (p/m)	0.192	0.00200	"	0.200		96.0	80-120			
Xylene (o)	0.0883	0.00100	"	0.100		88.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.0926		"	0.120		77.2	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		109	80-120			

LCS Dup (P4L1312-BSD1)

Prepared: 12/13/24 Analyzed: 12/14/24

Benzene	0.101	0.00100	mg/L	0.100		101	80-120	3.53	20	
Toluene	0.0960	0.00100	"	0.100		96.0	80-120	4.75	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120	5.88	20	
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120	5.02	20	
Xylene (o)	0.0926	0.00100	"	0.100		92.6	80-120	4.73	20	
Surrogate: 4-Bromofluorobenzene	0.0930		"	0.120		77.5	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			

Calibration Blank (P4L1312-CCB1)

Prepared: 12/13/24 Analyzed: 12/14/24

Benzene	0.250		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.370		"							
Xylene (p/m)	0.390		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0909		"	0.120		75.7	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L1312 - * DEFAULT PREP *****

Calibration Blank (P4L1312-CCB2)

Prepared: 12/13/24 Analyzed: 12/14/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.160		"							
Xylene (p/m)	0.260		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0894		"	0.120		74.5	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

Calibration Check (P4L1312-CCV1)

Prepared: 12/13/24 Analyzed: 12/14/24

Benzene	0.107	0.00100	mg/L	0.100		107	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.0928		"	0.120		77.3	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			

Calibration Check (P4L1312-CCV2)

Prepared: 12/13/24 Analyzed: 12/14/24

Benzene	0.106	0.00100	mg/L	0.100		106	80-120			
Toluene	0.0986	0.00100	"	0.100		98.6	80-120			
Ethylbenzene	0.0962	0.00100	"	0.100		96.2	80-120			
Xylene (p/m)	0.203	0.00200	"	0.200		102	80-120			
Xylene (o)	0.0958	0.00100	"	0.100		95.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.0929		"	0.120		77.4	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			

Calibration Check (P4L1312-CCV3)

Prepared: 12/13/24 Analyzed: 12/15/24

Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.0948	0.00100	"	0.100		94.8	80-120			
Ethylbenzene	0.0938	0.00100	"	0.100		93.8	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0936	0.00100	"	0.100		93.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.0920		"	0.120		76.7	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L1312 - * DEFAULT PREP *****

Matrix Spike (P4L1312-MS1)		Source: 4L12007-02		Prepared: 12/13/24 Analyzed: 12/15/24						
Benzene	0.332	0.00100	mg/L	0.100	0.304	28.7	80-120			QM-05
Toluene	0.0783	0.00100	"	0.100	0.00159	76.7	80-120			QM-05
Ethylbenzene	0.121	0.00100	"	0.100	0.0244	96.4	80-120			
Xylene (p/m)	0.208	0.00200	"	0.200	0.0386	84.5	80-120			
Xylene (o)	0.0695	0.00100	"	0.100	ND	69.5	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.0915		"	0.120		76.2	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	80-120			

Matrix Spike Dup (P4L1312-MSD1)		Source: 4L12007-02		Prepared: 12/13/24 Analyzed: 12/15/24						
Benzene	0.309	0.00100	mg/L	0.100	0.304	4.99	80-120	141	20	QM-05
Toluene	0.0670	0.00100	"	0.100	0.00159	65.4	80-120	15.9	20	QM-05
Ethylbenzene	0.109	0.00100	"	0.100	0.0244	85.0	80-120	12.5	20	
Xylene (p/m)	0.184	0.00200	"	0.200	0.0386	72.8	80-120	14.8	20	QM-05
Xylene (o)	0.0591	0.00100	"	0.100	ND	59.1	80-120	16.3	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.0910		"	0.120		75.8	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	80-120			

Batch P4L1609 - * DEFAULT PREP *****

Blank (P4L1609-BLK1)				Prepared & Analyzed: 12/16/24						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0921		"	0.120		76.7	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L1609 - * DEFAULT PREP *****

LCS (P4L1609-BS1)

Prepared & Analyzed: 12/16/24

Benzene	0.0974	0.00100	mg/L	0.100		97.4	80-120			
Toluene	0.0927	0.00100	"	0.100		92.7	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0929	0.00100	"	0.100		92.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.0990		"	0.120		82.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.134		"	0.120		111	80-120			

LCS Dup (P4L1609-BSD1)

Prepared & Analyzed: 12/16/24

Benzene	0.0955	0.00100	mg/L	0.100		95.5	80-120	1.96	20	
Toluene	0.0933	0.00100	"	0.100		93.3	80-120	0.699	20	
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120	1.78	20	
Xylene (p/m)	0.211	0.00200	"	0.200		105	80-120	1.63	20	
Xylene (o)	0.0933	0.00100	"	0.100		93.3	80-120	0.462	20	
Surrogate: 4-Bromofluorobenzene	0.100		"	0.120		83.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Calibration Blank (P4L1609-CCB1)

Prepared & Analyzed: 12/16/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.200		"							
Xylene (p/m)	0.280		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0960		"	0.120		80.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		101	80-120			

Calibration Blank (P4L1609-CCB2)

Prepared & Analyzed: 12/16/24

Benzene	0.460		ug/l							
Toluene	0.340		"							
Ethylbenzene	0.260		"							
Xylene (p/m)	0.490		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0957		"	0.120		79.8	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L1609 - * DEFAULT PREP *****

Calibration Check (P4L1609-CCV1)				Prepared & Analyzed: 12/16/24						
Benzene	0.0944	0.00100	mg/L	0.100		94.4	80-120			
Toluene	0.0914	0.00100	"	0.100		91.4	80-120			
Ethylbenzene	0.0912	0.00100	"	0.100		91.2	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0918	0.00100	"	0.100		91.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.0975		"	0.120		81.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Calibration Check (P4L1609-CCV2)				Prepared & Analyzed: 12/16/24						
Benzene	0.0968	0.00100	mg/L	0.100		96.8	80-120			
Toluene	0.0912	0.00100	"	0.100		91.2	80-120			
Ethylbenzene	0.0893	0.00100	"	0.100		89.3	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		97.9	80-120			
Xylene (o)	0.0902	0.00100	"	0.100		90.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.0959		"	0.120		79.9	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Calibration Check (P4L1609-CCV3)				Prepared & Analyzed: 12/16/24						
Benzene	0.104	0.00100	mg/L	0.100		104	80-120			
Toluene	0.0995	0.00100	"	0.100		99.5	80-120			
Ethylbenzene	0.0994	0.00100	"	0.100		99.4	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.0984		"	0.120		82.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			

Matrix Spike (P4L1609-MS1)				Source: 4L16004-01		Prepared & Analyzed: 12/16/24				
Benzene	0.0949	0.00100	mg/L	0.100	0.00448	90.4	80-120			
Toluene	0.0888	0.00100	"	0.100	0.00604	82.7	80-120			
Ethylbenzene	0.0832	0.00100	"	0.100	ND	83.2	80-120			
Xylene (p/m)	0.170	0.00200	"	0.200	0.00235	84.0	80-120			
Xylene (o)	0.0770	0.00100	"	0.100	0.000690	76.3	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.0980		"	0.120		81.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas	Project: 97-04_MNA
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L1609 - *** DEFAULT PREP ***

Matrix Spike Dup (P4L1609-MSD1)	Source: 4L16004-01			Prepared & Analyzed: 12/16/24						
Benzene	0.0991	0.00100	mg/L	0.100	0.00448	94.6	80-120	4.55	20	
Toluene	0.0942	0.00100	"	0.100	0.00604	88.2	80-120	6.44	20	
Ethylbenzene	0.0898	0.00100	"	0.100	ND	89.8	80-120	7.67	20	
Xylene (p/m)	0.182	0.00200	"	0.200	0.00235	89.9	80-120	6.78	20	
Xylene (o)	0.0822	0.00100	"	0.100	0.000690	81.5	80-120	6.53	20	
Surrogate: 4-Bromofluorobenzene	0.0964		"	0.120		80.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		109	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L1313 - * DEFAULT PREP *****

Blank (P4L1313-BLK1)

Prepared & Analyzed: 12/13/24

Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							

LCS (P4L1313-BS1)

Prepared & Analyzed: 12/13/24

Nitrate as N	19.3		mg/L	20.0		96.3	90-110			
Sulfate	19.3		"	20.0		96.7	90-110			

LCS Dup (P4L1313-BSD1)

Prepared & Analyzed: 12/13/24

Nitrate as N	19.5		mg/L	20.0		97.4	90-110	1.13	10	
Sulfate	19.3		"	20.0		96.7	90-110	0.0103	10	

Calibration Check (P4L1313-CCV1)

Prepared & Analyzed: 12/13/24

Sulfate	19.4		mg/L	20.0		97.2	90-110			
Nitrate as N	19.2		"	20.0		96.2	90-110			

Calibration Check (P4L1313-CCV2)

Prepared & Analyzed: 12/16/24

Sulfate	20.5		mg/L	20.0		102	90-110			
Nitrate as N	20.1		"	20.0		101	90-110			

Matrix Spike (P4L1313-MS1)

Source: 4L13002-01

Prepared & Analyzed: 12/13/24

Nitrate as N	27.1		mg/L	20.0	7.93	96.1	80-120			
Sulfate	81.1		"	10.0	73.1	79.9	80-120			QM-05

Matrix Spike Dup (P4L1313-MSD1)

Source: 4L13002-01

Prepared & Analyzed: 12/13/24

Nitrate as N	27.7		mg/L	20.0	7.93	98.7	80-120	1.94	20	
Sulfate	81.4		"	10.0	73.1	83.1	80-120	0.398	20	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L2313 - * DEFAULT PREP *****

Blank (P4L2313-BLK1)

Prepared & Analyzed: 12/23/24

Chemical Oxygen Demand	ND	2.00	mg/L

LCS (P4L2313-BS1)

Prepared & Analyzed: 12/23/24

Chemical Oxygen Demand	56.0	2.00	mg/L	50.0	112	80-120

LCS Dup (P4L2313-BSD1)

Prepared & Analyzed: 12/23/24

Chemical Oxygen Demand	50.0	2.00	mg/L	50.0	100	80-120	11.3	20

Batch P4L2314 - * DEFAULT PREP *****

Blank (P4L2314-BLK1)

Prepared & Analyzed: 12/23/24

Chemical Oxygen Demand	ND	2.00	mg/L

LCS (P4L2314-BS1)

Prepared & Analyzed: 12/23/24

Chemical Oxygen Demand	1140	2.00	mg/L	1000	114	80-120

LCS Dup (P4L2314-BSD1)

Prepared & Analyzed: 12/23/24

Chemical Oxygen Demand	1070	2.00	mg/L	1000	107	80-120	6.62	20

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Notes and Definitions

SUB-13 Subcontract of analyte/analysis to ALS Houston.

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

1/3/2025

Brent Barron, Laboratory Director/Technical Director

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04_MNA
Project Number: TNM 97-04
Project Manager: Jonathan Repman

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If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235



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

December 26, 2024

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

Work Order: **HS24120953**

Laboratory Results for: **4L13002**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Dec 17, 2024 for the analysis presented in the following report.

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

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

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

Sincerely,

Generated By: DAYNA.FISHER
Jessica Monfore
Project manager

ALS Houston, US

Date: 26-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L13002
Work Order: HS24120953

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS24120953-01	4L13002-01	Water		12-Dec-2024 10:50	17-Dec-2024 09:20	☐
HS24120953-02	4L13002-02	Water		12-Dec-2024 11:55	17-Dec-2024 09:20	☐
HS24120953-03	4L13002-03	Water		12-Dec-2024 12:40	17-Dec-2024 09:20	☐
HS24120953-04	4L13002-04	Water		12-Dec-2024 15:50	17-Dec-2024 09:20	☐
HS24120953-05	4L13002-05	Water		12-Dec-2024 16:38	17-Dec-2024 09:20	☐
HS24120953-06	4L13002-06	Water		12-Dec-2024 17:47	17-Dec-2024 09:20	☐

ALS Houston, US

Date: 26-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L13002
Work Order: HS24120953

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R502881,R503032

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

Metals by Method SW6020A

Batch ID: 222051

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

WetChemistry by Method E415.1

Batch ID: R503135

Sample ID: HS24120680-11MS

- MS is for an unrelated sample

Batch ID: R503196

Sample ID: HS24121246-01MS

- MS is for an unrelated sample

Batch ID: R502969

Sample ID: 4L13002-02 (HS24120953-02MS)

- The recovery of the Matrix Spike (MS) associated to this analyte was outside of the established control limits. However, the LCS was within control limits. The recovery of the MS may be due to sample matrix interference.

Batch ID: R502873

Sample ID: HS24120824-01MS

- MS is for an unrelated sample

ALS Houston, US

Date: 26-Dec-24

Client:Permian Basin Environmental Lab, LP

Project:4L13002

Sample ID:4L13002-01

Collection Date:12-Dec-2024 10:50

ANALYTICAL REPORT

WorkOrder:HS24120953

Lab ID:HS24120953-01

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	20-Dec-2024 14:34
Ethene	ND		1.00	ug/L	1	20-Dec-2024 14:34
Methane	1.28		0.500	ug/L	1	20-Dec-2024 14:34
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 19-Dec-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	20-Dec-2024 01:34
Manganese	0.00616		0.00500	mg/L	1	20-Dec-2024 01:34
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	2.16		1.00	mg/L	1	19-Dec-2024 22:05

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

ALS Houston, US

Date: 26-Dec-24

Client:Permian Basin Environmental Lab, LP

Project:4L13002

Sample ID:4L13002-02

Collection Date:12-Dec-2024 11:55

ANALYTICAL REPORT

WorkOrder:HS24120953

Lab ID:HS24120953-02

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	23-Dec-2024 08:30
Ethene	ND		1.00	ug/L	1	23-Dec-2024 08:30
Methane	36.8		0.500	ug/L	1	23-Dec-2024 08:30
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 19-Dec-2024		Analyst: JC
Iron	ND		0.200	mg/L	1	20-Dec-2024 01:36
Manganese	0.0441		0.00500	mg/L	1	20-Dec-2024 01:36
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	1.17		1.00	mg/L	1	20-Dec-2024 22:36

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

ALS Houston, US

Date: 26-Dec-24

Client:Permian Basin Environmental Lab, LP

Project:4L13002

Sample ID:4L13002-03

Collection Date:12-Dec-2024 12:40

ANALYTICAL REPORT

WorkOrder:HS24120953

Lab ID:HS24120953-03

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	23-Dec-2024 08:39
Ethene	ND		1.00	ug/L	1	23-Dec-2024 08:39
Methane	1.15		0.500	ug/L	1	23-Dec-2024 08:39
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 19-Dec-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	20-Dec-2024 01:38
Manganese	0.0135		0.00500	mg/L	1	20-Dec-2024 01:38
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	1.22		1.00	mg/L	1	20-Dec-2024 22:59

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

ALS Houston, US

Date: 26-Dec-24

Client:Permian Basin Environmental Lab, LP

Project:4L13002

Sample ID:4L13002-04

Collection Date:12-Dec-2024 15:50

ANALYTICAL REPORT

WorkOrder:HS24120953

Lab ID:HS24120953-04

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	23-Dec-2024 08:48
Ethene	ND		1.00	ug/L	1	23-Dec-2024 08:48
Methane	2,980		50.0	ug/L	100	23-Dec-2024 12:00
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 19-Dec-2024 Analyst: JC		
Iron	2.47		0.200	mg/L	1	20-Dec-2024 01:40
Manganese	0.626		0.00500	mg/L	1	20-Dec-2024 01:40
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	21.5		10.0	mg/L	10	20-Dec-2024 23:10

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

ALS Houston, US

Date: 26-Dec-24

Client:Permian Basin Environmental Lab, LP

Project:4L13002

Sample ID:4L13002-05

Collection Date:12-Dec-2024 16:38

ANALYTICAL REPORT

WorkOrder:HS24120953

Lab ID:HS24120953-05

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	23-Dec-2024 08:56
Ethene	ND		1.00	ug/L	1	23-Dec-2024 08:56
Methane	652		10.0	ug/L	20	23-Dec-2024 12:27
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 19-Dec-2024 Analyst: JC		
Iron	ND		0.200	mg/L	1	20-Dec-2024 01:42
Manganese	0.0300		0.00500	mg/L	1	20-Dec-2024 01:42
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	4.44		1.00	mg/L	1	21-Dec-2024 18:55

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

ALS Houston, US

Date: 26-Dec-24

Client:Permian Basin Environmental Lab, LP

Project:4L13002

Sample ID:4L13002-06

Collection Date:12-Dec-2024 17:47

ANALYTICAL REPORT

WorkOrder:HS24120953

Lab ID:HS24120953-06

Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: RG		
Ethane	ND		1.00	ug/L	1	23-Dec-2024 09:04
Ethene	ND		1.00	ug/L	1	23-Dec-2024 09:04
Methane	2,730		50.0	ug/L	100	23-Dec-2024 12:51
DISSOLVED METALS BY SW6020A		Method:SW6020A (dissolved)		Prep:SW3010A / 19-Dec-2024 Analyst: JC		
Iron	1.88		0.200	mg/L	1	20-Dec-2024 01:44
Manganese	0.255		0.00500	mg/L	1	20-Dec-2024 01:44
TOTAL ORGANIC CARBON BY E415.1		Method:E415.1		Analyst: JAC		
Organic Carbon, Total	11.8		10.0	mg/L	10	24-Dec-2024 16:07

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

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP
Project: 4L13002
WorkOrder: HS24120953

Batch ID: 222051	Start Date: 19 Dec 2024 11:00	End Date: 19 Dec 2024 11:00
Method: DISS METALS PREP - WATER - SW3010A		Prep Code: 3010A DISS

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS24120953-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24120953-02		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24120953-03		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24120953-04		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24120953-05		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2
HS24120953-06		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

ALS Houston, US

Date: 26-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L13002
WorkOrder: HS24120953

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 222051 (0)		Test Name : DISSOLVED METALS BY SW6020A			Matrix: Water	
HS24120953-01	4L13002-01	12 Dec 2024 10:50		19 Dec 2024 11:00	20 Dec 2024 01:34	1
HS24120953-02	4L13002-02	12 Dec 2024 11:55		19 Dec 2024 11:00	20 Dec 2024 01:36	1
HS24120953-03	4L13002-03	12 Dec 2024 12:40		19 Dec 2024 11:00	20 Dec 2024 01:38	1
HS24120953-04	4L13002-04	12 Dec 2024 15:50		19 Dec 2024 11:00	20 Dec 2024 01:40	1
HS24120953-05	4L13002-05	12 Dec 2024 16:38		19 Dec 2024 11:00	20 Dec 2024 01:42	1
HS24120953-06	4L13002-06	12 Dec 2024 17:47		19 Dec 2024 11:00	20 Dec 2024 01:44	1
Batch ID: R502873 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24120953-01	4L13002-01	12 Dec 2024 10:50			19 Dec 2024 22:05	1
Batch ID: R502881 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24120953-01	4L13002-01	12 Dec 2024 10:50			20 Dec 2024 14:34	1
Batch ID: R502969 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24120953-02	4L13002-02	12 Dec 2024 11:55			20 Dec 2024 22:36	1
HS24120953-03	4L13002-03	12 Dec 2024 12:40			20 Dec 2024 22:59	1
HS24120953-04	4L13002-04	12 Dec 2024 15:50			20 Dec 2024 23:10	10
Batch ID: R503032 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS24120953-02	4L13002-02	12 Dec 2024 11:55			23 Dec 2024 08:30	1
HS24120953-03	4L13002-03	12 Dec 2024 12:40			23 Dec 2024 08:39	1
HS24120953-04	4L13002-04	12 Dec 2024 15:50			23 Dec 2024 12:00	100
HS24120953-04	4L13002-04	12 Dec 2024 15:50			23 Dec 2024 08:48	1
HS24120953-05	4L13002-05	12 Dec 2024 16:38			23 Dec 2024 12:27	20
HS24120953-05	4L13002-05	12 Dec 2024 16:38			23 Dec 2024 08:56	1
HS24120953-06	4L13002-06	12 Dec 2024 17:47			23 Dec 2024 12:51	100
HS24120953-06	4L13002-06	12 Dec 2024 17:47			23 Dec 2024 09:04	1
Batch ID: R503135 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24120953-05	4L13002-05	12 Dec 2024 16:38			21 Dec 2024 18:55	1
Batch ID: R503196 (0)		Test Name : TOTAL ORGANIC CARBON BY E415.1			Matrix: Water	
HS24120953-06	4L13002-06	12 Dec 2024 17:47			24 Dec 2024 16:07	10

ALS Houston, US

Date: 26-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L13002
WorkOrder: HS24120953

QC BATCH REPORT

Batch ID: R502881 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-241220	Units: ug/L		Analysis Date: 20-Dec-2024 09:30					
Client ID:	Run ID: FID-4_502881		SeqNo: 8602300		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							

LCS	Sample ID: LCS-241220	Units: ug/L		Analysis Date: 20-Dec-2024 09:41					
Client ID:	Run ID: FID-4_502881		SeqNo: 8602301		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.71	1.00	18.04	0	87.1	75 - 125			
Ethene	15.68	1.00	16.8	0	93.3	75 - 125			
Methane	8.736	0.500	9.647	0	90.6	75 - 125			

LCSD	Sample ID: LCSD-241220	Units: ug/L		Analysis Date: 20-Dec-2024 09:51					
Client ID:	Run ID: FID-4_502881		SeqNo: 8602302		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.5	1.00	18.04	0	85.9	75 - 125	15.71	1.37	30
Ethene	15.75	1.00	16.8	0	93.8	75 - 125	15.68	0.502	30
Methane	8.296	0.500	9.647	0	86.0	75 - 125	8.736	5.18	30

The following samples were analyzed in this batch: HS24120953-01

ALS Houston, US

Date: 26-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L13002
WorkOrder: HS24120953

QC BATCH REPORT

Batch ID: R503032 (0)		Instrument: FID-4		Method: DISSOLVED GASES BY RSK-175					
MBLK	Sample ID: MBLK-241223	Units: ug/L			Analysis Date: 23-Dec-2024 07:40				
Client ID:	Run ID: FID-4_503032			SeqNo: 8606062		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	ND	1.00							
Ethene	ND	1.00							
Methane	ND	0.500							
LCS	Sample ID: LCS-241223	Units: ug/L			Analysis Date: 23-Dec-2024 07:51				
Client ID:	Run ID: FID-4_503032			SeqNo: 8606063		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	15.33	1.00	18.04	0	85.0	75 - 125			
Ethene	14.21	1.00	16.8	0	84.6	75 - 125			
Methane	8.612	0.500	9.647	0	89.3	75 - 125			
LCSD	Sample ID: LCSD-241223	Units: ug/L			Analysis Date: 23-Dec-2024 08:20				
Client ID:	Run ID: FID-4_503032			SeqNo: 8606064		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Ethane	14.9	1.00	18.04	0	82.6	75 - 125	15.33	2.88	30
Ethene	14.07	1.00	16.8	0	83.8	75 - 125	14.21	0.997	30
Methane	8.078	0.500	9.647	0	83.7	75 - 125	8.612	6.4	30
The following samples were analyzed in this batch:		HS24120953-02		HS24120953-03		HS24120953-04		HS24120953-05	
		HS24120953-06							

ALS Houston, US

Date: 26-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L13002
WorkOrder: HS24120953

QC BATCH REPORT

Batch ID: 222051 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)					
MBLK	Sample ID: MBLK-222051	Units: mg/L		Analysis Date: 20-Dec-2024 01:01					
Client ID:	Run ID: ICPMS06_502787	SeqNo: 8601363		PrepDate: 19-Dec-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	ND	0.200							
Manganese	ND	0.00500							
LCS	Sample ID: LCS-222051	Units: mg/L		Analysis Date: 20-Dec-2024 01:03					
Client ID:	Run ID: ICPMS06_502787	SeqNo: 8601364		PrepDate: 19-Dec-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	4.73	0.200	5	0	94.6	80 - 120			
Manganese	0.046	0.00500	0.05	0	92.0	80 - 120			
MS	Sample ID: HS24120848-01MS	Units: mg/L		Analysis Date: 20-Dec-2024 01:09					
Client ID:	Run ID: ICPMS06_502787	SeqNo: 8601367		PrepDate: 19-Dec-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.268	0.200	5	0.01822	105	75 - 125			
Manganese	0.06959	0.00500	0.05	0.01664	106	75 - 125			
MSD	Sample ID: HS24120848-01MSD	Units: mg/L		Analysis Date: 20-Dec-2024 01:11					
Client ID:	Run ID: ICPMS06_502787	SeqNo: 8601368		PrepDate: 19-Dec-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	5.387	0.200	5	0.01822	107	75 - 125	5.268	2.23	20
Manganese	0.0722	0.00500	0.05	0.01664	111	75 - 125	0.06959	3.68	20
PDS	Sample ID: HS24120848-01PDS	Units: mg/L		Analysis Date: 20-Dec-2024 01:13					
Client ID:	Run ID: ICPMS06_502787	SeqNo: 8601369		PrepDate: 19-Dec-2024		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit Qual
Iron	10.07	0.200	10	0.01822	101	75 - 125			
Manganese	0.1165	0.00500	0.1	0.01664	99.8	75 - 125			

ALS Houston, US

Date: 26-Dec-24

Client: Permian Basin Environmental Lab, LP

Project: 4L13002

WorkOrder: HS24120953

QC BATCH REPORT

Batch ID: 222051 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY SW6020A (DISSOLVED)						
SD	Sample ID: HS24120848-01SD		Units: mg/L		Analysis Date: 20-Dec-2024 01:07					
Client ID:		Run ID: ICPMS06_502787		SeqNo: 8601366		PrepDate: 19-Dec-2024		DF: 5		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	Limit	Qual
Iron	ND	1.00					0.01822	0	10	
Manganese	0.01558	0.0250					0.01664	0	10	J
The following samples were analyzed in this batch:										
		HS24120953-01		HS24120953-02		HS24120953-03		HS24120953-04		
		HS24120953-05		HS24120953-06						

ALS Houston, US

Date: 26-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L13002
WorkOrder: HS24120953

QC BATCH REPORT

Batch ID: R502873 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-12192024	Units: mg/L		Analysis Date: 19-Dec-2024 18:55						
Client ID:	Run ID: TOC_04_502873	SeqNo: 8602165		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	ND	1.00								
LCS	Sample ID: LCS-12192024	Units: mg/L		Analysis Date: 19-Dec-2024 19:07						
Client ID:	Run ID: TOC_04_502873	SeqNo: 8602166		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.24	1.00	10	0	102	85 - 115				
LCSD	Sample ID: LCSD-12192024	Units: mg/L		Analysis Date: 19-Dec-2024 19:18						
Client ID:	Run ID: TOC_04_502873	SeqNo: 8602167		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.19	1.00	10	0	102	85 - 115	10.24	0.489	20	
MS	Sample ID: HS24120824-01MS	Units: mg/L		Analysis Date: 19-Dec-2024 19:52						
Client ID:	Run ID: TOC_04_502873	SeqNo: 8602170		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	20.35	1.00	10	22.13	-17.8	80 - 120				S
The following samples were analyzed in this batch: HS24120953-01										

ALS Houston, US

Date: 26-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L13002
WorkOrder: HS24120953

QC BATCH REPORT

Batch ID: R502969 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-12202024	Units: mg/L		Analysis Date: 20-Dec-2024 21:53						
Client ID:	Run ID: TOC_04_502969		SeqNo: 8604531		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	ND	1.00								
LCS	Sample ID: LCS-12202024	Units: mg/L		Analysis Date: 20-Dec-2024 22:05						
Client ID:	Run ID: TOC_04_502969		SeqNo: 8604532		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.432	1.00	10	0	94.3	85 - 115				
LCSD	Sample ID: LCSD-12202024	Units: mg/L		Analysis Date: 20-Dec-2024 22:16						
Client ID:	Run ID: TOC_04_502969		SeqNo: 8604533		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.459	1.00	10	0	94.6	85 - 115	9.432	0.286	20	
MS	Sample ID: HS24120953-02MS	Units: mg/L		Analysis Date: 20-Dec-2024 22:48						
Client ID: 4L13002-02	Run ID: TOC_04_502969		SeqNo: 8604535		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	6.528	1.00	10	1.167	53.6	80 - 120				S
The following samples were analyzed in this batch:										
HS24120953-02			HS24120953-03			HS24120953-04				

ALS Houston, US

Date: 26-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L13002
WorkOrder: HS24120953

QC BATCH REPORT

Batch ID: R503135 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-12212024	Units: mg/L		Analysis Date: 21-Dec-2024 18:11						
Client ID:	Run ID: TOC_04_503135	SeqNo: 8607951		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	ND	1.00								
LCS	Sample ID: LCS-12212024	Units: mg/L		Analysis Date: 21-Dec-2024 18:23						
Client ID:	Run ID: TOC_04_503135	SeqNo: 8607952		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.519	1.00	10	0	95.2	85 - 115				
LCSD	Sample ID: LCSD-12212024	Units: mg/L		Analysis Date: 21-Dec-2024 18:34						
Client ID:	Run ID: TOC_04_503135	SeqNo: 8607953		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	10.15	1.00	10	0	102	85 - 115	9.519	6.42	20	
MS	Sample ID: HS24120680-11MS	Units: mg/L		Analysis Date: 21-Dec-2024 19:39						
Client ID:	Run ID: TOC_04_503135	SeqNo: 8607958		PrepDate:		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	5.164	1.00	10	5.223	-0.590	80 - 120				S
The following samples were analyzed in this batch: HS24120953-05										

ALS Houston, US

Date: 26-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L13002
WorkOrder: HS24120953

QC BATCH REPORT

Batch ID: R503196 (0)		Instrument: TOC_04		Method: TOTAL ORGANIC CARBON BY E415.1						
MBLK	Sample ID: MBLK-12242024	Units: mg/L		Analysis Date: 24-Dec-2024 15:34						
Client ID:	Run ID: TOC_04_503196		SeqNo: 8609177		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	ND	1.00								
LCS	Sample ID: LCS-12242024	Units: mg/L		Analysis Date: 24-Dec-2024 15:46						
Client ID:	Run ID: TOC_04_503196		SeqNo: 8609178		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.69	1.00	10	0	96.9	85 - 115				
LCSD	Sample ID: LCSD-12242024	Units: mg/L		Analysis Date: 24-Dec-2024 15:57						
Client ID:	Run ID: TOC_04_503196		SeqNo: 8609179		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	9.792	1.00	10	0	97.9	85 - 115	9.69	1.05	20	
MS	Sample ID: HS24121246-01MS	Units: mg/L		Analysis Date: 24-Dec-2024 16:53						
Client ID:	Run ID: TOC_04_503196		SeqNo: 8609184		PrepDate:		DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Organic Carbon, Total	7.192	1.00	10	1.4	57.9	80 - 120				S
The following samples were analyzed in this batch: HS24120953-06										

ALS Houston, US

Date: 26-Dec-24

Client: Permian Basin Environmental Lab, LP
Project: 4L13002
WorkOrder: HS24120953

**QUALIFIERS,
ACRONYMS, UNITS**

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

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

ALS Houston, US

Date: 26-Dec-24

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2025
Arkansas	88-00356_2024	27-Mar-2025
California	2919; 2025	30-Apr-2025
Dept of Defense	L24-240	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Kentucky	123043	30-Apr-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Michigan	9971	30-Apr-2025
Nebraska	NE-OS-25-13	30-Apr-2025
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2024
Pennsylvania	018	30-Jun-2025
Tennessee	04016	30-Apr-2025
Texas	T104704231 TX-C24-00130	30-Apr-2025
Utah	TX026932023-14	31-Jul-2025

ALS Houston, US

Date: 26-Dec-24

Sample Receipt Checklist

Work Order ID: HS24120953

Date/Time Received: 17-Dec-2024 09:20

Client Name: Permian Basin Lab

Received by: Jacob Coronado

Completed By: /S/ Paresh M. Giga	17-Dec-2024 11:48	Reviewed by: /S/ salina zaid	17-Dec-2024 17:24
eSignature	Date/Time	eSignature	Date/Time

Matrices: WaterCarrier name: FedEx Priority Overnight

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	COC IDs:none
Samplers name present on COC?	Yes ☐	No ☒	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	
Temperature(s)/Thermometer(s):	1.7C U/C IR34		
Cooler(s)/Kit(s):	Red		
Date/Time sample(s) sent to storage:	12/17/24 12:00		
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☒	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:



CHAIN OF CUSTODY

HS24120953

Permian Basin Environmental Lab, LP
4L13002

ib, LP

Phone: 432-686-7235
PBELAB_SUB_COC_V2

Project Manager: Brent Barron

Company Name: PBEL

Company Address: 1400 Rankin HWY

City/State/Zip: Midland Texas 79701

Telephone No: 432-661-4184

Sampler Signature: N/A



Project Name: SUBCONTRACT

Project #:

Project Loc:

PO #:

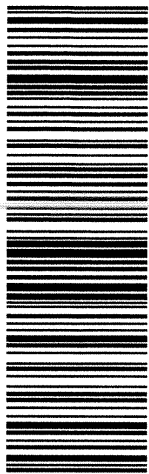
Fax No: Report Format: ☒ Standard ☐ TRRP ☐ NPDES

e-mail: brentbarron@pbelab.com

ORDER #:		Analyze For:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers						Matrix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
								ICE	HNO ₃ 250 poly 1	HCl 3 40mL VOA	H ₂ SO ₄ 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	Na ₂ S ₂ O ₃	NONE 1 LITER UNPRESSED	125 ml. amber boston rounds	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Portable Specify Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

Please add tressa@pbelab.com to woa's. This is all the sample that was available please analyze. TB

Relinquished by:	12/16/2024	17:00	Received by:	Date	Time	Laboratory Comments: Sample Containers Intact? Y N VOCs Free of Headspace? Y N Labels on container(s) Y N Custody seals on container(s) Y N Custody seals on cooler(s) Y N Sample Hand Delivered Y N by Sampler/Client Rep. ? Y N by Courier? UPS DHL FedEx Lone Star Temperature Upon Receipt: Received: °C Adjusted: °C Factor	
Brent Barron							
Relinquished by:	Date	Time	Received by:	Date	Time		
				12/17/24	09:25		
Relinquished by:	Date	Time	Received by:	Date	Time		

ORIGIN/DMAEA (432) 686-7235 TERESA HENSON PERMANENT ENVIRONMENTAL LAB, LP 1400 PANKIN HWY MIDLAND, TX 79701		SHIP DATE: 18DEC24 SHIP TO: 43202 CITY: MIDLAND DIMS: 15x17x9 IN	
UNITED STATES US		BILL RECIPIENT	
TO SAMPLE RECEIVING			
ALS-HOUSTON			
10450 STANCLIFF RD			
HOUSTON TX 77099			
REF: (261) 530-9615		DEPT:	
PO:		58CJ5/49B9/C6C4	
			
			
TRK# 7708 1667 6810		TUE - 17 DEC 5:00P	
STANDARD OVERNIGHT		77099	
TX-US		IAH	
			
AB SGRA			

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



Analytical Report

Prepared for:

Jonathan Repman
TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland, TX 79705

Project: 97-04
Project Number: TNM 97-04
Location: Lea County, NM
Lab Order Number: 4L19011



Current Certification

Report Date: 12/26/24

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-7	4L19011-01	Water	12/13/24 11:35	12-19-2024 08:22
MW-11	4L19011-02	Water	12/13/24 12:10	12-19-2024 08:22
MW-12	4L19011-03	Water	12/13/24 12:39	12-19-2024 08:22
MW-13	4L19011-04	Water	12/13/24 13:15	12-19-2024 08:22
MW-16	4L19011-05	Water	12/13/24 13:41	12-19-2024 08:22
MW-18	4L19011-06	Water	12/13/24 14:08	12-19-2024 08:22

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

MW-7
4L19011-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:04	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:04	EPA 8021B	
Ethylbenzene	0.00119	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:04	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:04	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	77.4 %		80-120		P4L1914	12/19/24 14:40	12/20/24 10:04	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P4L1914	12/19/24 14:40	12/20/24 10:04	EPA 8021B	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

MW-11
4L19011-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:26	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:26	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:26	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:26	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	77.2 %		80-120		P4L1914	12/19/24 14:40	12/20/24 10:26	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4L1914	12/19/24 14:40	12/20/24 10:26	EPA 8021B	

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

MW-12
4L19011-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:49	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:49	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:49	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:49	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 10:49	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	79.2 %		80-120		P4L1914	12/19/24 14:40	12/20/24 10:49	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4L1914	12/19/24 14:40	12/20/24 10:49	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

MW-13
4L19011-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 11:11	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 11:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 11:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 11:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 11:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	78.4 %		80-120		P4L1914	12/19/24 14:40	12/20/24 11:11	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	102 %		80-120		P4L1914	12/19/24 14:40	12/20/24 11:11	EPA 8021B	

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

MW-16
4L19011-05 (Water)

Analyte	Reporting Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 11:34	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 11:34	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 11:34	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 11:34	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L1914	12/19/24 14:40	12/20/24 11:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	80.0 %		80-120		P4L1914	12/19/24 14:40	12/20/24 11:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4L1914	12/19/24 14:40	12/20/24 11:34	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

MW-18
4L19011-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

Organics by GC									
Benzene	ND	0.00100	mg/L	1	P4L2007	12/20/24 13:57	12/20/24 21:47	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P4L2007	12/20/24 13:57	12/20/24 21:47	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P4L2007	12/20/24 13:57	12/20/24 21:47	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P4L2007	12/20/24 13:57	12/20/24 21:47	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P4L2007	12/20/24 13:57	12/20/24 21:47	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	78.2 %		80-120		P4L2007	12/20/24 13:57	12/20/24 21:47	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene	103 %		80-120		P4L2007	12/20/24 13:57	12/20/24 21:47	EPA 8021B	

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L1914 - * DEFAULT PREP *****

Blank (P4L1914-BLK1)

Prepared: 12/19/24 Analyzed: 12/20/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0940		"	0.120		78.3	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

LCS (P4L1914-BS1)

Prepared: 12/19/24 Analyzed: 12/20/24

Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.0948	0.00100	"	0.100		94.8	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.207	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0925	0.00100	"	0.100		92.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0974		"	0.120		81.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			

LCS Dup (P4L1914-BSD1)

Prepared: 12/19/24 Analyzed: 12/20/24

Benzene	0.0928	0.00100	mg/L	0.100		92.8	80-120	8.85	20	
Toluene	0.0865	0.00100	"	0.100		86.5	80-120	9.10	20	
Ethylbenzene	0.0954	0.00100	"	0.100		95.4	80-120	8.63	20	
Xylene (p/m)	0.191	0.00200	"	0.200		95.6	80-120	8.00	20	
Xylene (o)	0.0852	0.00100	"	0.100		85.2	80-120	8.24	20	
Surrogate: 4-Bromofluorobenzene	0.0977		"	0.120		81.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Calibration Blank (P4L1914-CCB1)

Prepared: 12/19/24 Analyzed: 12/20/24

Benzene	0.130		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.270		"							
Xylene (p/m)	0.570		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0961		"	0.120		80.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L1914 - * DEFAULT PREP *****

Calibration Blank (P4L1914-CCB2)

Prepared: 12/19/24 Analyzed: 12/20/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.150		"							
Xylene (p/m)	0.180		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0892		"	0.120		74.3	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.8	80-120			

Calibration Check (P4L1914-CCV1)

Prepared: 12/19/24 Analyzed: 12/20/24

Benzene	0.0904	0.00100	mg/L	0.100		90.4	80-120			
Toluene	0.0831	0.00100	"	0.100		83.1	80-120			
Ethylbenzene	0.0812	0.00100	"	0.100		81.2	80-120			
Xylene (p/m)	0.179	0.00200	"	0.200		89.6	80-120			
Xylene (o)	0.0805	0.00100	"	0.100		80.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0953		"	0.120		79.4	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			

Calibration Check (P4L1914-CCV2)

Prepared: 12/19/24 Analyzed: 12/20/24

Benzene	0.0955	0.00100	mg/L	0.100		95.5	80-120			
Toluene	0.0878	0.00100	"	0.100		87.8	80-120			
Ethylbenzene	0.0862	0.00100	"	0.100		86.2	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.4	80-120			
Xylene (o)	0.0854	0.00100	"	0.100		85.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.0948		"	0.120		79.0	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		109	80-120			

Calibration Check (P4L1914-CCV3)

Prepared: 12/19/24 Analyzed: 12/20/24

Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.0984	0.00100	"	0.100		98.4	80-120			
Ethylbenzene	0.0955	0.00100	"	0.100		95.5	80-120			
Xylene (p/m)	0.204	0.00200	"	0.200		102	80-120			
Xylene (o)	0.0959	0.00100	"	0.100		95.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.0970		"	0.120		80.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		109	80-120			

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L1914 - * DEFAULT PREP *****

Matrix Spike (P4L1914-MS1)

Source: 4L18014-07

Prepared: 12/19/24 Analyzed: 12/20/24

Benzene	0.0918	0.00100	mg/L	0.100	ND	91.8	80-120			
Toluene	0.0905	0.00100	"	0.100	0.00181	88.7	80-120			
Ethylbenzene	0.0950	0.00100	"	0.100	ND	95.0	80-120			
Xylene (p/m)	0.185	0.00200	"	0.200	ND	92.3	80-120			
Xylene (o)	0.0820	0.00100	"	0.100	ND	82.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.0971		"	0.120		80.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			

Matrix Spike Dup (P4L1914-MSD1)

Source: 4L18014-07

Prepared: 12/19/24 Analyzed: 12/20/24

Benzene	0.0957	0.00100	mg/L	0.100	ND	95.7	80-120	4.17	20	
Toluene	0.0928	0.00100	"	0.100	0.00181	91.0	80-120	2.56	20	
Ethylbenzene	0.0973	0.00100	"	0.100	ND	97.3	80-120	2.42	20	
Xylene (p/m)	0.187	0.00200	"	0.200	ND	93.7	80-120	1.46	20	
Xylene (o)	0.0840	0.00100	"	0.100	ND	84.0	80-120	2.30	20	
Surrogate: 4-Bromofluorobenzene	0.0961		"	0.120		80.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		109	80-120			

Batch P4L2007 - * DEFAULT PREP *****

Blank (P4L2007-BLK1)

Prepared & Analyzed: 12/20/24

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0940		"	0.120		78.4	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L2007 - * DEFAULT PREP *****

LCS (P4L2007-BS1)

Prepared & Analyzed: 12/20/24

Benzene	0.0989	0.00100	mg/L	0.100		98.9	80-120			
Toluene	0.0919	0.00100	"	0.100		91.9	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.201	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0889	0.00100	"	0.100		88.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.0972		"	0.120		81.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		110	80-120			

LCS Dup (P4L2007-BSD1)

Prepared & Analyzed: 12/20/24

Benzene	0.0908	0.00100	mg/L	0.100		90.8	80-120	8.47	20	
Toluene	0.0852	0.00100	"	0.100		85.2	80-120	7.58	20	
Ethylbenzene	0.0938	0.00100	"	0.100		93.8	80-120	6.74	20	
Xylene (p/m)	0.187	0.00200	"	0.200		93.6	80-120	6.90	20	
Xylene (o)	0.0822	0.00100	"	0.100		82.2	80-120	7.82	20	
Surrogate: 4-Bromofluorobenzene	0.0958		"	0.120		79.8	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			

Calibration Blank (P4L2007-CCB1)

Prepared & Analyzed: 12/20/24

Benzene	0.130		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.340		"							
Xylene (p/m)	0.480		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0937		"	0.120		78.1	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		103	80-120			

Calibration Blank (P4L2007-CCB2)

Prepared: 12/20/24 Analyzed: 12/21/24

Benzene	0.00		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.170		"							
Xylene (p/m)	0.230		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.0936		"	0.120		78.0	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L2007 - * DEFAULT PREP *****

Calibration Check (P4L2007-CCV1)				Prepared & Analyzed: 12/20/24						
Benzene	0.0967	0.00100	mg/L	0.100		96.7	80-120			
Toluene	0.0896	0.00100	"	0.100		89.6	80-120			
Ethylbenzene	0.0884	0.00100	"	0.100		88.4	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200		95.2	80-120			
Xylene (o)	0.0866	0.00100	"	0.100		86.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.0930		"	0.120		77.5	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			

Calibration Check (P4L2007-CCV2)				Prepared: 12/20/24 Analyzed: 12/21/24						
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.0946	0.00100	"	0.100		94.6	80-120			
Ethylbenzene	0.0925	0.00100	"	0.100		92.5	80-120			
Xylene (p/m)	0.202	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0919	0.00100	"	0.100		91.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.0968		"	0.120		80.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.132		"	0.120		110	80-120			

Calibration Check (P4L2007-CCV3)				Prepared: 12/20/24 Analyzed: 12/21/24						
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.0935	0.00100	"	0.100		93.5	80-120			
Ethylbenzene	0.0912	0.00100	"	0.100		91.2	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0912	0.00100	"	0.100		91.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.0958		"	0.120		79.9	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.131		"	0.120		109	80-120			

Matrix Spike (P4L2007-MS1)				Source: 4L19011-06		Prepared: 12/20/24 Analyzed: 12/21/24				
Benzene	0.101	0.00100	mg/L	0.100	ND	101	80-120			
Toluene	0.0923	0.00100	"	0.100	ND	92.3	80-120			
Ethylbenzene	0.101	0.00100	"	0.100	ND	101	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200	ND	100	80-120			
Xylene (o)	0.0888	0.00100	"	0.100	ND	88.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.0982		"	0.120		81.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas	Project: 97-04
10 Desta Dr STE 150E	Project Number: TNM 97-04
Midland TX, 79705	Project Manager: Jonathan Repman

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch P4L2007 - *** DEFAULT PREP ***

Matrix Spike Dup (P4L2007-MSD1)	Source: 4L19011-06			Prepared: 12/20/24		Analyzed: 12/21/24				
Benzene	0.104	0.00100	mg/L	0.100	ND	104	80-120	3.06	20	
Toluene	0.0956	0.00100	"	0.100	ND	95.6	80-120	3.58	20	
Ethylbenzene	0.104	0.00100	"	0.100	ND	104	80-120	3.61	20	
Xylene (p/m)	0.207	0.00200	"	0.200	ND	103	80-120	3.15	20	
Xylene (o)	0.0923	0.00100	"	0.100	ND	92.3	80-120	3.84	20	
Surrogate: 4-Bromofluorobenzene	0.0974		"	0.120		81.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.133		"	0.120		111	80-120			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

TRC Solutions- Midland, Texas
10 Desta Dr STE 150E
Midland TX, 79705

Project: 97-04
Project Number: TNM 97-04
Project Manager: Jonathan Repman

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

pH1 The Regulatory Holding time for pH is 15 minutes, Analysis should be done in the field.

NPBEL C Chain of Custody was not generated at PBELAB

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

12/26/2024

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

L: _____ CH: _____

W: _____
Phone: 432-686-7235

Project Manager: Jon Repman

Company Name: TRC Companies

Company Address: 10 Desta Drive, Suite 410E

City/State/Zip: Midland, TX 79705

Telephone No: (432) 208-5219

Sampler Signature: *Wendy Hargrave*

e-mail: jrepman@trccompanies.com, Carille Bryant@plains.com, Karolanne.Hudgens@plains.com

Fax No: _____

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

Project Name: Plains Marketing, L.P.

Project #: TNM 97-04 (Townsend)

Project Loc: Lea County, New Mexico

PO #: SRS TNM 97-04

ORDER #:		LAB # (lab use only)		FIELD CODE		Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Total BTEX by 8260	PAH by 8270	TOC MW 5310	Dissolve Methane, Ethane, and Ethene by RSK-175	Total Dissolved Metals (Fe and Mn) by SW 6010	Nitrate and Sulfate by E300	COD by SM 5310	ANALYZE FOR:	TCLP:	TOTAL:	HOLD	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
1	mw 7							12-13-24	1135			X																								
2	mw 11								1210																											
3	mw 12								1239																											
4	mw 13								1315																											
5	mw 16								1341																											
6	mw 18								1408																											

Special Instructions:

Laboratory Comments:

Relinquished by: <i>Manny</i>	Date: 12-19-24	Time: 0800	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Sample Containers Intact? ☒ Y ☐ N

Labels on container(s) ☒ Y ☐ N

VOCs Free of Headspace? ☒ Y ☐ N

Labels on container(s) ☒ Y ☐ N

Custody seals on container(s) ☒ Y ☐ N

Custody seals on cooler(s) ☒ Y ☐ N

Sample Hand Delivered by Sampler/Client Rep. ? ☒ Y ☐ N

by Courier? ☐ UPS ☐ DHL ☐ FedEx ☐ Lone Star

Temperature Upon Receipt: 3.11 °C Thermometer: ☒ Factor: ☐

**APPENDIX B:
Release Notification and Corrective Action
(NMOCD Form C-141)**

DISTRICT I

P.O. BOX 1980, HOBBS, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources DepartmentSUBMIT 2 COPIES TO
APPROPRIATE DISTRICT
OFFICE IN ACCORDANCE
WITH RULE 116 PRINTED
ON BACK SIDE OF FORM**DISTRICT II**P.O. DRAWER DD, ARTESIA, NM 88211-
0719**OIL CONSERVATION DIVISION****DISTRICT III**

1000 Rio Brazos Rd, Aztec, NM 87410

P.O. Box 2088
Santa Fe, New Mexico 87504-2088*Initial Report***NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS**

OPERATOR Texas-New Mexico Pipe Line Company			ADDRESS P. O. Box 60028, San Angelo, TX 76906			TELEPHONE (915) 947-9000	
REPORT OF	FIRE	BREAK	SPILL	LEAK X	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRLG WELL	PROD WELL	TANK BTRY	PIPE LINE X	GASO PLANT	OIL RFY	OTHER*
FACILITY NAME: 4" gathering line							
LOCATION OF FACILITY Qtr/Qtr Sec. or Footage. SW/4 SW/4 SE/4 SE/4			SEC. 18	TWP. 11S	RGE. 16E	COUNTY Lea	
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 2 miles west of Lovington							
DATE AND HOUR OF OCCURRENCE Unknown			DATE AND HOUR OF DISCOVERY April 16, 1997 4:00 p.m.				
WAS IMMEDIATE NOTICE GIVEN?	YES	NO	NOT RE-QUIRED X	IF YES, TO WHOM Wayne Price			
BY WHOM B. D. Chapman (reported that quantity may be more than 10 barrels)			DATE AND HOUR April 25, 1997 9:00 a.m.				
TYPE OF FLUID LOST Sweet Crude		QUANTITY OF LOSS Unknown (*see note below)			VOLUME RECOVERED None		
DID ANY FLUIDS REACH A WATERCOURSE?	YES	NO X	QUANTITY				
IF YES, DESCRIBE FULLY**							
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN** External Corrosion. Leak successfully clamped off.							
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN** Approximately 1500 sq.ft. pasture land. Will remediate on site. *Originally estimated at 10 barrels. Under investigation. An amended report will be issued when quantity is determined.							
DESCRIPTION OF AREA	FARMING	GRAZING X	URBAN	OTHER*			
SURFACE CONDITION	SANDY	SANDY LOAM	CLAY	ROCKY X	WET	DRY X	SNOW
RECORD GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)** 75 degrees; clear							
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF							
SIGNED 		PRINTED NAME AND TITLE Edwin H. Gripp, District Manager			DATE April 25, 1997		

*SPECIFY

State Corp. Commission
Pipe Line Division

**ATTACH ADDITIONAL SHEETS IF NECESSARY

Hazardous Waste Section
NM Environmental Improvement Div.

TNM-97-04

BDC

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 527843

CONDITIONS

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID:
	34053
	Action Number:
	527843
Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)	

CONDITIONS

Created By	Condition	Condition Date
shanna.smith	Pursuant to 19.15.30 NMAC, update Stage 2 Abatement Plan dated November 1999. Plan will be submitted as a report by February 27, 2026, that meets all the requirements of 19.15.30.13 NMAC.	11/24/2025
shanna.smith	Continue weekly PSH and dissolved phase hydrocarbon impacted groundwater recovery.	11/24/2025
shanna.smith	Continue Quarterly monitoring and sampling. Submit report following collection of data.	11/24/2025
shanna.smith	Annual PAH sampling on site wells that have had historically elevated constituents.	11/24/2025
shanna.smith	Corrections need to be made to the 2024 AGWMR: Page 15 Benzene is Table 7, Toluene is Table 8, Ethylbenzene is Table 9: Page 16 Xylene is Table 10, Total Organic Carbon is Table 11: Page 17 Dissolved Methane is Table 12, Dissolved Ethane is Table 13: Page 18 Dissolved Ethene is Table 14, Dissolved Iron is Table 15: Page 19 Dissolved Manganese is Table 16, Nitrate is Table 17, Sulfate is Table 18: Page 20 COD is Table 19.	11/24/2025
shanna.smith	Correct on Page 4: Historical GW Potentiometric Surface data is Table 4: Page 21 no PAH samples were collected	11/24/2025
shanna.smith	Correct 2024 AGWMR and resubmit by December 12, 2025, for record.	11/24/2025