

**REVIEWED**

By Nelson Velez at 2:39 pm, Apr 13, 2023



**2022  
ANNUAL MONITORING REPORT**

**TNM 97-17**

NW ¼, SW ¼ SECTION 21, TOWNSHIP 20 SOUTH RANGE 37 EAST  
LEA COUNTY, NEW MEXICO  
PLAINS MARKETING SRS NUMBER: TNM 97-17  
NMOCD REFERENCE AP-017  
INCIDENT # nAPP2109542960

Review of 2022 ANNUAL MONITORING REPORT: **Content satisfactory**

- 1. Continue monthly gauging and quartering sampling in 2023
- 2. Continue manual product recovery on a monthly schedule
- 3. Continue sampling for PAH analysis from MW-4, MW-6, MW-7, MW-8, MW-14, MW-15, MW-19, and RW-3 through RW-6
- 4. Conduct quarterly low-flow sampling of MNA parameters on MW-11, MW-5, MW-7, MW-19, MW-25, and RW-3
- 5. Submit the next Annual Monitoring Report to OCD no later than April 1, 2024.


PREPARED FOR:

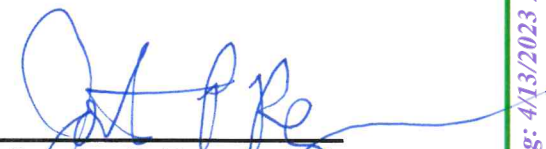
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**March 2023**

  
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## INTRODUCTION

On behalf of Plains Marketing, L.P., (Plains), TRC Environmental Corporation (TRC) is pleased to submit this 2022 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. Beginning on May 29, 2004, project management responsibilities were assumed by TRC, previously NOVA Safety and Environmental (NOVA). The TNM 97-17 Pipe Line Release Site, formally the responsibility of Enron Oil Trading and Transportation (EOTT), is the responsibility of Plains. The Release Notification and Corrective Action (Form C-141) is provided as Appendix B. This report is intended to be viewed as a complete document with figures, attachments, tables, and text. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2022. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during all four (4) quarters of 2022 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor 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 as per a NMOCD directive, with the exception of monitor wells selected as part of monitored natural attenuation (MNA) sampling activities.

## SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the Site is NW1/4 SW1/4, Section 21, Township 20 South, Range 37 East, in Lea County, New Mexico. The TNM 97-17 Release was discovered by Texas New Mexico Pipe Line Company (TNMPL) and reported on August 19, 1997. An estimated one-hundred seventy (170) barrels of crude oil were released with one-hundred sixty (160) barrels recovered. The Release occurred from a sixteen (16)-inch pipeline and was attributed to structural failure associated with internal pipeline corrosion. Following completion of repairs to the pipeline, approximately 1,160 cubic yards (cy) of impacted soil was excavated and stockpiled on-site pending treatment. The groundwater at the Site ranges from approximately nineteen (19) to twenty-four (24) feet below ground surface (bgs).

During the 3<sup>rd</sup> quarter of 2012, groundwater monitoring activities were not conducted due to ongoing site excavation activities. The excavation was backfilled in October 2012, with remediated soil exhibiting benzene, toluene, ethylbenzene, and xylene (BTEX) and Total Petroleum Hydrocarbons (TPH) concentrations less than the NMOCD regulatory guidelines. A soil closure report was submitted to the NMOCD during the 2<sup>nd</sup> quarter of 2013.

On June 13, 2013, Plains received NMOCD approval to plug and abandon monitor well MW-9 and recovery well RW-2. On February 4, 2014, monitor well MW-9 and recovery well RW-2 were plugged and abandoned by a New Mexico licensed driller.

Currently, a total of twenty-five (25) groundwater monitor wells (MW-1 through MW-8, MW-10 through MW-21, MW-23, and MW-25 through MW-28) and five (5) recovery wells (RW-1 and RW-3 through RW-6) are on-site. A pneumatic product recovery system formerly operated on-site, which incorporated recovery well RW-6 and monitor wells MW-8, MW-14, and MW-15. The automated

recovery system was decommissioned in the summer of 2007 due to declining PSH thickness. Currently, manual PSH recovery is performed on a monthly basis from monitor and recovery wells exhibiting PSH.

## FIELD ACTIVITIES

### Product Recovery Efforts

A measurable thickness of PSH was recorded in two (2) monitor wells (MW-4, MW-6, MW-7, MW-8, and MW-19) and one (1) recover well (RW-5) during at least one (1) quarter of the reporting period.

The average thickness of PSH in monitor wells exhibiting PSH was 0.49 feet. The maximum thickness of PSH in monitor wells during the 2022 reporting period was 2.81 feet in monitor well MW-6 on July 25, 2022. Groundwater elevation data for the 2022 gauging events can be found in Table 1. Approximately 17.28 gallons (0.41 barrels) of PSH were recovered from the Site during the reporting period. Approximately 2,788.13 gallons (approximately 66.38 barrels) of PSH has been recovered since project inception.

### Groundwater Monitoring

Quarterly monitoring events for the reporting period were conducted according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004, and amended by the NMOCD in correspondence dated June 22, 2005, June 13, 2013, and March 24, 2020. The table below illustrates the current groundwater sampling schedule approved by the NMOCD.

NMOCD Approved Sampling Schedule					
Location	Schedule	Location	Schedule	Location	Schedule
MW-1	Annually	MW-13	Annually	MW-25	Semi-Annually
MW-2	Annually	MW-14	Quarterly	MW-26	Annually
MW-3	Annually	MW-15	Quarterly	MW-27	Semi-Annually
MW-4	Quarterly	MW-16	Annually	MW-28	Annually
MW-5	Quarterly	MW-17	Annually	RW-1	Quarterly
MW-6	Quarterly	MW-18	Annually	RW-2	P & A 2/14/14
MW-7	Quarterly	MW-19	Quarterly	RW-3	Quarterly
MW-8	Quarterly	MW-20	Quarterly	RW-4	Quarterly
MW-9	P & A 2/4/14	MW-21	Annually	RW-5	Quarterly
MW-10	Annually	MW-22	P & A 1/21/21	RW-6	Quarterly
MW-11	Annually	MW-23	Semi-Annually		
MW-12	Annually	MW-24	P & A 1/21/21		

The Site monitor wells were gauged and sampled on March 14-16, May 9-11, August 16-18, and November 9-11, 2022. During each sampling event, the monitor wells were purged of a minimum of three (3) well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos pump. Groundwater was allowed to recharge and samples were collected using disposable PVC samplers. Water samples were placed in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Please note, during the reporting period, monitor wells MW-11, MW-5, MW-7, MW-19, MW-25 and recovery well RW-3 were sampled using industry standard low-flow sampling techniques. 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 five (5) monitor wells (MW-11, MW-5, MW-7, MW-19, and MW-25) and recovery well RW-3 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, Dissolved Iron (filtered) using Method EPA 6010B, Dissolved Manganese (filtered) using Method EPA 6010B, Anion Nitrate and Sulfate by Method EPA 300.0, and Chemical Oxygen Demand (COD) by 8000.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during the four (4) quarterly monitoring events, are depicted as Figures 2A through 2D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2022 is provided as Table 1. Historical groundwater elevation data beginning at project inception is summarized in Table 4.

The most recent Inferred Groundwater Gradient Map, Figure 2D, indicated a general gradient of approximately 0.0034 feet/foot to the south-southeast as measured between monitor wells MW-4 and MW-21. Inferred Groundwater Gradient Maps prepared during the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> quarters indicated the inferred groundwater gradient ranged from 0.0025 feet/foot during the 2<sup>nd</sup> quarter to 0.0034 feet/foot during the 4<sup>th</sup> quarter. The corrected groundwater elevations ranged from 3,487.85 to 3,490.15 feet above mean sea level, in monitor well MW-21 on August 16, 2022, and in monitor well MW-11 on April 20, 2022, respectively.

## LABORATORY RESULTS

Groundwater samples collected during the four (4) quarterly sampling events of the 2022 were delivered to Permian Basin Environmental Laboratories in Midland, Texas for determination of BTEX constituent concentrations by EPA Method 8021B. Polynuclear Aromatic Hydrocarbons (PAH) analysis by EPA Method 8270 was conducted during the 2022 calendar year on monitor well MW-4, MW-7, MW-14, MW-15, MW-19 and recovery wells RW-3, RW-4, and RW-6. Based on historical PAH analytical data, only those wells exhibiting elevated constituent concentrations above NMWQCC Drinking Water Standards are sampled, with the exclusion of those wells containing measurable PSH thicknesses. A listing of 2022 concentrations of BTEX in groundwater is summarized in Table 2 and historical concentrations of BTEX in groundwater are summarized in Table 5. The 2022 polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 3 and historical polynuclear aromatic hydrocarbon concentrations in groundwater are summarized in Table 6. Copies of the laboratory reports generated for 2022 are provided in Appendix A. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

**Monitor well MW-1** is sampled on an annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory reporting limit (RL) and the NMOCD regulatory guideline of 0.01 mg/L for benzene, 0.75 mg/L for toluene, 0.75 mg/L for ethylbenzene, and 0.62 for xylene during the 4<sup>th</sup> quarter sampling event. The analytical results

indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 4<sup>th</sup> quarter of 1999. PAH analysis was not required on samples from MW-1 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-2** 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 4<sup>th</sup> quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 2<sup>nd</sup> quarter of 2003. PAH analysis was not required on samples from MW-2 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-3** 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 4<sup>th</sup> quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 2<sup>nd</sup> quarter of 2003. PAH analysis was not required on samples from MW-3 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-4** is sampled/monitored on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 1.46 mg/L during the 4<sup>th</sup> quarter to 2.44 mg/L during the 2<sup>nd</sup> quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00242 mg/L during the 4<sup>th</sup> quarter to 0.0201 mg/L during the 2<sup>nd</sup> quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0123 mg/L during the 3<sup>rd</sup> quarter to 0.0469 mg/L during the 2<sup>nd</sup> quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.03620 mg/L during the 3<sup>rd</sup> quarter to 0.1578 mg/L during the 2<sup>nd</sup> quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above New Mexico Water Quality Control Commission (NMWQCC) Drinking Water Standards for anthracene (0.040 mg/L), phenanthrene (0.20 mg/L), and naphthalene (1.373 mg/L).

**Monitor well MW-5** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.00212 mg/L during the 3<sup>rd</sup> quarter to 0.00748 mg/L during the 1<sup>st</sup> quarter of 2022. Benzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from less than the applicable laboratory RL during the 2<sup>nd</sup> and 4<sup>th</sup> quarters to 0.00126 mg/L during the 1<sup>st</sup> quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations were less than the applicable laboratory RL during all four (4) quarters of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Xylene concentrations were less than the applicable laboratory RL during all four (4) quarters of 2022. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. PAH analysis was not required on samples from MW-5 during the 4<sup>th</sup> quarter sampling event.

Please note, monitor well MW-5 was selected as MNA parameter well and is located at the “up-gradient within 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-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
03/15/22	MW-5	5.99	21.35	15.6	-399	1.83	38.0
05/10/22	MW-5	7.07	20.69	0.802	-334	9.06	609
08/17/22	MW-5	6.71	24.60	16.6	-379	4.01	39.5
11/09/22	MW-5	7.15	23.89	14.6	-384	3.89	121

Analytical benzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-5. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Probably Decreasing” in monitor well MW-5. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-5. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” 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 monitored/sampled on a quarterly schedule. Monitor well MW-6 was not sampled during all four (4) quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 0.18 feet, 0.20 feet, 1.29 feet, and 0.55 feet were reported during the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarters of 2022, respectively. PAH analysis was not conducted during the 4<sup>th</sup> quarter due to PSH being present in the well.

**Monitor well MW-7** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.212 mg/L during the 4<sup>th</sup> quarter to 1.02 mg/L during the 3<sup>rd</sup> quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from less than the applicable laboratory RL during the 1<sup>st</sup> and 4<sup>th</sup> quarters to 0.00108 mg/L during the 3<sup>rd</sup> quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.00281 mg/L during the 4<sup>th</sup> quarter to 0.0171 mg/L during the 1<sup>st</sup> quarter of the reporting period. Ethylbenzene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Xylene concentrations ranged from less than the applicable laboratory RL during the 4<sup>th</sup> quarter to 0.00945 mg/L during the



2<sup>nd</sup> quarter. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

PAH analysis during the 4<sup>th</sup> quarter sampling event indicated concentrations were below New Mexico Water Quality Control Commission (NMWQCC) Drinking Water Standards for PAH constituents.

Monitor well MW-7 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-7.

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
03/15/22	MW-7	5.58	22.48	14.7	-338	1.27	0.1
05/11/22	MW-7	6.94	22.58	14.7	-348	2.34	0.00
08/17/22	MW-7	6.63	25.61	13.7	-380	2.2	0.00
11/09/22	MW-7	7.06	24.28	13.9	-370	0	34.9

Analytical benzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Probably Increasing” in monitor well MW-7. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-7. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-7. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-7.

**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-8** is monitored on a quarterly schedule. Monitor well MW-8 was not sampled during all four (4) quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.43 feet, 0.37 feet, 0.42 feet, and 0.30 feet were reported during the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarters of 2022, respectively. PAH analysis was not conducted on samples from MW-8 during the 4<sup>th</sup> quarter sampling event due to the presence of PSH.

**Monitor well MW-10** is sampled on an annual schedule and the analytical results indicated the benzene concentration was less than the applicable laboratory RL and the NMOCD regulatory guideline during the 3<sup>rd</sup> quarter of the reporting period. The toluene concentration was 0.00195 mg/L and less than the NMOCD regulatory guidelines during the 3<sup>rd</sup> quarter of the reporting period. The ethylbenzene concentration was 0.00187 mg/L and less than the NMOCD regulatory guideline during the 3<sup>rd</sup> quarter of the reporting period. The xylene concentration was 0.00430 mg/L and less than the

NMOCD regulatory guideline during the 3<sup>rd</sup> quarter of the reporting period. The analytical results indicated BTEX constituent concentrations have been below the NMOCD regulatory guidelines since the 2<sup>nd</sup> quarter of 2010. PAH analysis was not required on samples from MW-10 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-11** is sampled on an annual schedule however, MW-11 was selected as a MNA parameter well and was sampled all four (4) quarters. Analytical results indicated benzene concentrations ranged from below the applicable laboratory RL during the 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> quarter to 0.00548 mg/L during the 3<sup>rd</sup> quarter of 2022. Benzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from less than the applicable laboratory RL during the 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> quarters to 0.0161 mg/L during the 3<sup>rd</sup> quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from below the applicable laboratory RL during the 2<sup>nd</sup> and 4<sup>th</sup> quarters to 0.00335 mg/L during the 3<sup>rd</sup> quarter of the reporting period. Ethylbenzene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Xylene concentrations ranged from less than the applicable laboratory RL during the 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> quarter to 0.00944 mg/L during the 3<sup>rd</sup> quarter. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

Monitor well MW-11 was selected as an MNA parameter well and is located in the “Up-gradient of Plume” location. The table below list the stabilization levels for the water quality parameters during the reporting period for monitor well MW-11.

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
03/15/22	MW-11	5.98	19.9	14.2	67	1.54	124
05/10/22	MW-11	6.84	30.36	0.017	124	8.79	225
08/17/22	MW-11	6.64	21.61	14.2	40	1.37	63.5
11/09/22	MW-11	7.18	21.62	14.9	-255	0	76.9

Analytical benzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-11. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-11. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-11. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-11.

**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-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 4<sup>th</sup> quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below regulatory guidelines since the 2<sup>nd</sup> quarter of 2012. PAH analysis was not required on samples from MW-12 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-13** 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 4<sup>th</sup> quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below regulatory guidelines since the 1<sup>st</sup> quarter of 2007. PAH analysis was not required on samples from MW-13 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-14** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.207 mg/L during the 3<sup>rd</sup> quarter to 0.281 mg/L during the 1<sup>st</sup> quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00126 mg/L during the 1<sup>st</sup> quarter to 0.00903 mg/L during the 4<sup>th</sup> quarter. Toluene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.176 during the 3<sup>rd</sup> quarter to 0.225 mg/L during the 4<sup>th</sup> quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.0521 mg/L during the 1<sup>st</sup> quarter to 0.1026 mg/L during the 4<sup>th</sup> quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for Anthracene (0.013 mg/L), phenanthrene (0.12 mg/L), and naphthalene (0.88 mg/L).

**Monitor well MW-15** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.00401 mg/L during the 3<sup>rd</sup> quarter to 0.0223 mg/L during the 2<sup>nd</sup> quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during the 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> quarters of the reporting period. Toluene concentrations ranged from 0.00132 mg/L during the 4<sup>th</sup> quarter to 0.0121 mg/L during the 2<sup>nd</sup> quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from less than the applicable laboratory RL during the 1<sup>st</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> quarter to 0.0154 mg/L during the 2<sup>nd</sup> quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.00951 mg/L during the 3<sup>rd</sup> quarter to 0.0761 mg/L during the 2<sup>nd</sup> quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for phenanthrene (0.0059 mg/L).

**Monitor well MW-16** 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 4<sup>th</sup> quarter sampling event. The analytical results indicated BTEX constituent

concentrations have been below regulatory guidelines since the 1<sup>st</sup> quarter of 2007. PAH analysis was not required on samples from MW-16 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-17** 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 4<sup>th</sup> quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below regulatory guidelines since the 1<sup>st</sup> quarter of 2007. PAH analysis was not required on samples from MW-17 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-18** 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 4<sup>th</sup> quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below regulatory guidelines since the 2<sup>nd</sup> quarter 2012. PAH analysis was not required on samples from MW-18 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-19** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.122 mg/L during the 3<sup>rd</sup> quarter to 0.195 mg/L during the 1<sup>st</sup> quarter of 2022. 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 4<sup>th</sup> quarter to 0.00297 mg/L during the 2<sup>nd</sup> quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.00211 mg/L during the 3<sup>rd</sup> quarter to 0.00862 mg/L during the 2<sup>nd</sup> quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Xylene concentrations ranged from less than the applicable laboratory RL during the 3<sup>rd</sup> quarter to 0.0151 mg/L during the 2<sup>nd</sup> quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period.

PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for fluorene (0.0040 mg/L), and phenanthrene (0.0035 mg/L)

Please note, monitor well MW-19 was selected as MNA parameter well and is located at the “down-gradient within 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-19.

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
03/15/22	MW-19	5.70	22.59	7.53	-355	1.36	8.2
05/11/22	MW-19	6.58	23.89	7.16	-326	2.05	65.6
08/17/22	MW-19	6.64	24.44	10.5	-364	1.83	70.7
11/09/22	MW-19	6.85	23.54	8.58	-346	2.68	47.5

Analytical benzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-19. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-19. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in monitor well MW-19. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-19.

**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-20** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during all four (4) quarters of 2022. Toluene concentrations were less than the applicable laboratory RL and NMOCD regulatory guidelines during all four (4) quarters of 2022. Ethylbenzene concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during all four (4) quarters of 2022. Xylene concentrations ranged from less than the applicable laboratory RL during the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> quarters to 0.00542 mg/L during the 4<sup>th</sup> quarter. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of 2022. PAH analysis was not required on samples from MW-20 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-21** 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 3<sup>rd</sup> quarter sampling event. The analytical results indicated BTEX constituent concentrations have been below regulatory guidelines since the 4<sup>th</sup> quarter 2012. PAH analysis was not required on samples from MW-21 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-23** is sampled on a semi-annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during the 2<sup>nd</sup> and 4<sup>th</sup> quarter sampling events. The analytical results indicated BTEX constituent concentrations have been below regulatory guidelines since the 1<sup>st</sup> quarter of 2007. PAH analysis was not required on samples from MW-23 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-25** is sampled on a semi-annual schedule however, MW-25 was selected as an MNA parameter well and was sampled during all four (4) quarters of the reporting period. Analytical results indicated benzene concentrations ranged from below the applicable laboratory RL during the 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> quarters to 0.00120 mg/L during the 3<sup>rd</sup> quarter of 2022. Benzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from less than the applicable laboratory RL during the 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> quarters to 0.00207 mg/L during the 3<sup>rd</sup> quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations were below the applicable laboratory RL and the NMOCD regulatory guidelines all four (4) quarters of the reporting period. Xylene concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

Please note, monitor well MW-25 was selected as MNA parameter well and is located “down-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-25.

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
03/15/22	MW-25	6.12	20.91	12.4	10	0.78	25.2
05/10/22	MW-25	7.24	34.63	0.009	108	6.80	531
08/17/22	MW-25	6.71	21.11	12.2	22	0.69	68.8
11/09/22	MW-25	7.27	23.80	12.00	32	2.17	191

Analytical benzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-25. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-25. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Stable” in monitor well MW-25. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in monitor well MW-25.

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-26** 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 3<sup>rd</sup> quarter of 2022. The analytical results indicated BTEX constituent concentrations have been below regulatory guidelines since the 2<sup>nd</sup> quarter 2011. PAH analysis was not required on samples from MW-26 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-27** is sampled on a semi-annual schedule and the analytical results indicated BTEX constituent concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during the 2<sup>nd</sup> and 4<sup>th</sup> quarter sampling events. The analytical results indicated BTEX constituent concentrations have been below regulatory guidelines since the 2<sup>nd</sup> quarter of 2002. PAH analysis was not required on samples from MW-27 during the 4<sup>th</sup> quarter sampling event.

**Monitor well MW-28** 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 4<sup>th</sup> quarter sampling event. The analytical results indicated BTEX constituent

concentrations have been below regulatory guidelines since the 2<sup>nd</sup> quarter of 2002. PAH analysis was not required on samples from MW-28 during the 4<sup>th</sup> quarter sampling event.

**Recovery well RW-1** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.00114 mg/L during the 2<sup>nd</sup> quarter to 0.00506 mg/L during the 4<sup>th</sup> quarter of 2022. Benzene concentrations were below the NMOCD regulatory guideline during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00120 mg/L during the 2<sup>nd</sup> quarter to 0.00227 mg/L during the 1<sup>st</sup> quarter of the reporting period. Toluene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.00190 mg/L during the 2<sup>nd</sup> quarter to 0.00517 mg/L during the 3<sup>rd</sup> quarter of the reporting period. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.00334 mg/L during the 3<sup>rd</sup> quarter to 0.01498 mg/L during the 4<sup>th</sup> quarter of the reporting period. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. PAH analysis was not required on samples from RW-1 during the 4<sup>th</sup> quarter sampling event.

**Recovery well RW-3** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from below the applicable laboratory RL during the 1<sup>st</sup> quarter to 0.213 mg/L during the 3<sup>rd</sup> quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during the 2<sup>nd</sup> and 3<sup>rd</sup> quarters of the reporting period. Toluene concentrations ranged from less than the applicable laboratory RL during the 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> quarter to 0.00131 mg/L during the 3<sup>rd</sup> quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines during the four (4) quarters of the reporting period. Ethylbenzene concentrations were less than the applicable laboratory RL and the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from less than the applicable laboratory RL during the 1<sup>st</sup>, 2<sup>nd</sup>, and 4<sup>th</sup> quarter to 0.00201 mg/L during the 3<sup>rd</sup> quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines all four (4) quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated all PAH constituent concentrations were below NMWQCC Drinking Water Standards.

Please note, recovery well RW-3 was selected as MNA parameter well and is located at 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 recovery well RW-3.

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
03/15/22	RW-3	5.98	21.88	14.2	-231	5.40	226
05/10/22	RW-3	7.09	35.85	0.289	-238	4.37	892
08/17/22	RW-3	6.65	21.42	13.1	-336	2.36	170
11/09/22	RW-3	7.11	26.18	13.1	-290	0	667

Analytical benzene data for up to the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “No Trend” in recovery well RW-3. Analytical toluene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in recovery well RW-3. Analytical ethylbenzene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in recovery well RW-3. Analytical xylene data for the previous ten (10) years was entered into the GSI-MKT, which indicated the Concentration Trend was “Decreasing” in recovery well RW-3.

**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.**

**Recovery well RW-4** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.257 mg/L during the 3<sup>rd</sup> quarter to 0.377 mg/L during the 2<sup>nd</sup> quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00302 mg/L during the 1<sup>st</sup> quarter to 0.00605 mg/L during the 3<sup>rd</sup> quarter of the reporting period. Toluene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0510 mg/L during the 3<sup>rd</sup> quarter to 0.219 mg/L during the 2<sup>nd</sup> quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.03890 mg/L during the 3<sup>rd</sup> quarter to 0.10588 mg/L during the 2<sup>nd</sup> quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for Anthracene (0.017 mg/L), Chrysene (0.022 mg/L), Fluoranthene (0.0094 mg/L), phenanthrene (0.039 mg/L), and naphthalene (0.1123 mg/L).

**Recovery well RW-5** is sampled on a quarterly schedule. In the 4<sup>th</sup> quarter RW-5 was not sampled due to the presence of PSH in the well. The analytical results indicated benzene concentrations ranged from 0.254 mg/L during the 2<sup>nd</sup> quarter to 0.377 mg/L during the 3<sup>rd</sup> quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> quarter of the reporting period. Toluene concentrations ranged from 0.00268 mg/L during the 2<sup>nd</sup> quarter to 0.00544 mg/L during the 3<sup>rd</sup> quarter of 2022. Toluene concentrations were below the NMOCD regulatory guidelines the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> quarter of the reporting period. Ethylbenzene concentrations ranged from 0.0241 mg/L during the 2<sup>nd</sup> quarter to 0.0305 mg/L during the 3<sup>rd</sup> quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> quarter of the reporting period. Xylene concentrations ranged from 0.0427 mg/L during the 1<sup>st</sup> quarter to 0.05802 mg/L during the 3<sup>rd</sup> quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines during the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> quarter of the reporting period. PAH was not sampled during the 4<sup>th</sup> quarter due to the presence of PSH.

**Recovery well RW-6** is sampled on a quarterly schedule and the analytical results indicated benzene concentrations ranged from 0.0498 mg/L during the 2<sup>nd</sup> quarter to 0.0864 mg/L during the 1<sup>st</sup> quarter of 2022. Benzene concentrations were above the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Toluene concentrations ranged from 0.00703 mg/L during the 2<sup>nd</sup> quarter to 0.0216 mg/L during the 3<sup>rd</sup> quarter of 2022. Toluene concentrations were below the



NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from 0.0110 mg/L during the 2<sup>nd</sup> quarter to 0.0286 mg/L during the 4<sup>th</sup> quarter of 2022. Ethylbenzene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period. Xylene concentrations ranged from 0.0302 mg/L during the 2<sup>nd</sup> quarter to 0.0878 mg/L during the 1<sup>st</sup> quarter of 2022. Xylene concentrations were below the NMOCD regulatory guidelines during all four (4) quarters of the reporting period.

PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above NMWQCC Drinking Water Standards for phenanthrene (0.011 mg/L) and Naphthalene (0.472 mg/L).

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

### MONITORED NATURAL ATTENUATION RESULTS SUMMARY

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, manganese<sup>2+</sup>, iron<sup>3+</sup>, 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 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 is typically light non-aqueous phase liquids (LNAPLs); therefore, the center of the concentric regions tends to be at the location of LNAPL. 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 ORP, pH, and DO.

Dissolved-phase hydrocarbon plumes begin to spread out 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 and along the direction of groundwater flow, however due to higher viscosity, will travel more slowly than groundwater. For these reasons, the plume shape, COC concentrations, and biogeochemistry change with time.

To determine the morphology of each biodegradation region, six (6) monitor/recovery wells were sampled. These wells generally included one (1) well upgradient of the plume (MW-11), one (1) well upgradient within the plume (MW-5), one (1) well near the center of the plume (MW-7), one (1) well downgradient within the plume (MW-19), one (1) well downgradient of the plume (MW-25), and one (1) well cross-gradient of the plume center (RW-3).

The six (6) monitor/recovery wells (MW-11, MW-5, MW-7, MW-19, MW-25, and RW-3) were sampled for concentrations of BTEX using Method EPA 8021B, Total Organic Carbon using Method EPA 415.1, Dissolved Methane Gas using RSK-175, Dissolved Ethane Gas using RSK-175, Dissolved Ethene Gas using RSK-175, Dissolved Iron (filtered) using Method EPA 6010B, Dissolved Manganese (filtered) using Method EPA 6010B, Anion Nitrate and Sulfate by Method EPA 300.0, and Chemical Oxygen Demand by 8000.

**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.**

For the 1<sup>st</sup> quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-25, and recovery well RW-3 to 0.341 mg/L for monitor well MW-7.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-11 and MW-25 to 0.422 mg/L for monitor well MW-7.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of benzene ranged from 0.00120 mg/L for monitor well MW-25 to 1.02 mg/L for monitor well MW-7.

For the 4<sup>th</sup> quarter the analytical results for concentrations of benzene ranged from less than the applicable laboratory RL for monitor wells MW-11 and MW-25 to 0.212 mg/L for monitor well MW-7.

Please reference Table 7 for GSI-MKT benzene results. Analytical benzene data for up to the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “No Trend”, “Decreasing”, “Probably Increasing”, “Decreasing”, “Stable”, and “No Trend.”

For the 1<sup>st</sup> quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-7, MW-25, and recovery well RW-3 to 0.00156 mg/L for monitor well MW-19.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of toluene ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-25, and recovery well RW-3 to 0.00297 mg/L for monitor well MW-19.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of toluene ranged from 0.00108 mg/L for monitor well MW-7 to 0.0161 mg/L for monitor well MW-11.

For the 4<sup>th</sup> quarter the analytical results for concentrations of toluene were less than the applicable laboratory RL for monitor well MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3.

Please reference Table 8 for GSI-MKT toluene results. Analytical toluene data for up to the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “No Trend”, “Probably Decreasing”, “No Trend”, “No Trend”, “No Trend”, and “Decreasing”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-25, and recovery well RW-3 to 0.0171 mg/L for monitor well MW-7.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-25, and recovery well RW-3 to 0.0134 mg/L for monitor well MW-7.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-25, and recovery well RW-3 to 0.0161 mg/L for monitor well MW-7.

For the 4<sup>th</sup> quarter the analytical results for concentrations of ethylbenzene ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-25, and recovery well RW-3 to 0.00613 mg/L for monitor well MW-19.

Please reference Table 9 for GSI-MKT ethylbenzene results. Analytical ethylbenzene data up to for the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “No Trend”, “Decreasing”, “No Trend”, “Decreasing”, “Stable”, and “Decreasing”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-25, and recovery well RW-3 to 0.0112 mg/L for monitor well MW-19.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-25, and recovery well RW-3 to 0.0151 mg/L for monitor well MW-19.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-5, MW-19, MW-25, and recovery well RW-3 to 0.00944 mg/L for monitor well MW-11.

For the 4<sup>th</sup> quarter the analytical results for concentrations of xylene ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-7, MW-25, and recovery well RW-3 to 0.00206 mg/L for monitor well MW-19.

Please reference Table 10 for GSI-MKT xylene results. Analytical xylene data for up to the previous ten (10) years was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “No Trend”, “Decreasing”, “No Trend”, “No Trend”, “No Trend”, and “Decreasing”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of TOC ranged from less than the applicable laboratory RL for monitor wells MW-11 to 205 mg/L for monitor well MW-19. Please note that the laboratory RL was 10.0 mg/L due to a high dilution factor which was caused by high concentrations of a non-target analyte.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of TOC ranged from 10.5 mg/L for monitor well MW-11, to 179 mg/L for monitor well MW-19.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of TOC ranged from less than the applicable laboratory RL for monitor wells MW-11 to 132 mg/L for monitor well MW-19.

For the 4<sup>th</sup> quarter the analytical results for concentrations of TOC ranged from less than the applicable laboratory RL for monitor wells MW-11 to 180 mg/L for monitor well MW-19. Please note that the laboratory RL was 10.0 mg/L due to a high dilution factor which was caused by high concentrations of a non-target analyte.

Please reference Table 11 for GSI-MKT TOC results. Analytical TOC data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration

Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “No Trend”, “No Trend”, “Stable”, “Stable”, “No Trend”, and “Stable”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00188 mg/L for monitor well MW-11 to 3.74 mg/L for monitor well MW-19.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00248 mg/L for monitor well MW-11 to 1.59 mg/L for monitor well MW-19.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00178 mg/L for monitor well MW-11 to 1.54 mg/L for monitor well MW-19.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Dissolved Methane ranged from 0.00139 mg/L for monitor well MW-11 to 3.62 mg/L for monitor well MW-19.

Please reference Table 12 for GSI-MKT Dissolved Methane results. Analytical Methane data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “Stable”, “Stable”, “No Trend”, “Stable”, “No Trend”, and “Stable”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-5, and recovery well RW-3 to 0.00655 mg/L for monitor well MW-19.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Dissolved Ethane were less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-5, and MW-25, to 0.00700 mg/L for monitor well MW-25.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-7, MW-19, and MW-25, to 0.00539 mg/L for recovery well RW-3.

Please reference Table 13 for GSI-MKT Dissolved Ethane results. Analytical Dissolved Ethane data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “Stable”, “Stable”, “Stable”, “Probably Decreasing”, “No Trend”, and “No Trend”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Dissolved Ethane ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-7, MW-19, and MW-25 to 0.00186 mg/L for recovery well RW-3.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor well MW-5, MW-19, and recovery well RW-3 to 0.00579 mg/L for monitor well MW-7.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Dissolved Ethene ranged from 0.00233 mg/L for monitor well MW-11 to 0.123 mg/L for monitor well MW-7.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Dissolved Ethene ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-7, and MW-19 to 0.00290 mg/L for monitor well MW-5.

Please reference Table 14 for GSI-MKT Dissolved Ethene results. Analytical Dissolved Ethene data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “No Trend”, “No Trend”, “No Trend”, “No Trend”, “Stable”, and “No Trend”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-7, MW-19, and MW-25 to 0.318 mg/L for recovery well RW-3.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-11 and MW-5 to 0.166 mg/L for recovery well RW-3.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Dissolved Iron (filtered) were less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3

For the 4<sup>th</sup> quarter the analytical results for concentrations of Dissolved Iron (filtered) ranged from less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-7, MW-19, and MW-25 to 0.3946 mg/L for recovery well RW-3

Please reference Table 15 for GSI-MKT Dissolved Iron (filtered) results. Analytical Dissolved Iron data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “No Trend”, “No Trend”, “Probably Increasing”, “Increasing”, “Probably Increasing”, and “Stable”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00360 mg/L for monitor well MW-5 to 0.0282 mg/L for monitor well MW-25.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00780 mg/L for monitor well MW-5 to 0.0515 mg/L for monitor well MW-25.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.00477 mg/L for monitor well MW-7 to 0.0299 mg/L for monitor well MW-25.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Dissolved Manganese (filtered) ranged from 0.0106 mg/L for monitor well MW-7 to 0.0487 mg/L for monitor well MW-25.

Please reference Table 16 for GSI-MKT Dissolved Manganese (filtered) results. Analytical Dissolved Manganese data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “Stable”, “No Trend”, “Stable”, “Stable”, “No Trend”, and “Stable”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Nitrate ranged 1.84 mg/L for recovery well RW-3 to 3.02 mg/L for monitor well MW-11.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Nitrate were less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Nitrate were less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Nitrate were less than the applicable laboratory RL for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3.

Please reference Table 17 for GSI-MKT Nitrate results. Analytical Nitrate data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “No Trend”, “No Trend”, “No Trend”, “No Trend”, “No Trend”, and “No Trend”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of Sulfate ranged from 791 mg/L monitor well MW-19 to 2,650 mg/L for recovery well RW-3.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of Sulfate ranged from 775 mg/L monitor well MW-19 to 2,410 mg/L for monitor well MW-5 and recovery well RW-3.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of Sulfate ranged from 929 mg/L monitor well MW-19 to 2,400 mg/L for monitor well MW-5.

For the 4<sup>th</sup> quarter the analytical results for concentrations of Sulfate ranged from 837 mg/L monitor well MW-19 to 2,640 mg/L for recovery well RW-3.

Please reference Table 18 for GSI-MKT Sulfate results. Analytical Sulfate data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration

Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “Stable”, “Stable”, “Stable”, “Stable”, “No Trend”, and “Stable”.

For the 1<sup>st</sup> quarter the analytical results for concentrations of COD ranged from 22.0 mg/L for monitor well MW-11 to 612 mg/L for monitor well MW-19.

For the 2<sup>nd</sup> quarter the analytical results for concentrations of COD ranged from 63.0 mg/L for monitor well MW-11 to 608 mg/L for monitor well MW-19.

For the 3<sup>rd</sup> quarter the analytical results for concentrations of COD ranged from 106 mg/L for monitor well MW-11 to 534 mg/L for monitor well MW-19.

For the 4<sup>th</sup> quarter the analytical results for concentrations of COD ranged from 26.0 mg/L for monitor well MW-25 to 138 mg/L for monitor well MW-7.

Please reference Table 19 for GSI-MKT COD results. Analytical COD data for the previous five (5) quarters was entered into the GSI Mann-Kendall Toolkit (GSI-MKT) for monitor wells MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3. The GSI-MKT indicated the Concentration Trends for MW-11, MW-5, MW-7, MW-19, MW-25, and recovery well RW-3 were as follows “No Trend”, “No Trend”, “No Trend”, “Decreasing”, “Stable”, and “No Trend”.

## SUMMARY

This report summarizes the results of monitoring activities for the 2022 annual monitoring period. Currently, there are twenty-five (25) groundwater monitor wells (MW-1 through MW-8, and MW-10 through MW-21, MW-23, and MW-25 through MW-28) and five (5) recovery wells (RW-1 and RW-3 through RW-6) on-site. A pneumatic product recovery system formerly operated on-site, which incorporated recovery well RW-6 and monitor wells MW-8, MW-14, and MW-15. The automated recovery system was decommissioned in the summer of 2007 due to declining PSH thickness. Currently, manual PSH recovery is performed on a monthly basis for monitor and recovery wells exhibiting PSH.

A measurable thickness of PSH was recorded in five (5) monitor wells (MW-4, MW-6, MW-7, MW-8, and MW-19) and one (1) recover well (RW-5) during at least one (1) quarter of the reporting period.

The average thickness of PSH in monitor wells exhibiting PSH was 0.49 feet. The maximum thickness of PSH in monitor wells during the 2022 reporting period was 2.81 feet in monitor well MW-6 on July 25, 2022. Groundwater elevation data for the 2022 gauging events can be found in Table 1. Approximately 17.28 gallons (0.41 barrels) of PSH were recovered from the Site during the reporting period. Approximately 2,788.13 gallons (approximately 66.38 barrels) of PSH has been recovered since project inception.

The most recent Inferred Groundwater Gradient Map, Figure 2D, indicated a general gradient of approximately 0.0034 feet/foot to the south-southeast as measured between monitor wells MW-4 and MW-21. Inferred Groundwater Gradient Maps prepared during the 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> quarters indicated the inferred groundwater gradient ranged from 0.0025 feet/foot during the 2<sup>nd</sup> quarter to 0.0034 feet/foot during the 4<sup>th</sup> quarter. The corrected groundwater elevations ranged from 3,488.35 to 3,490.15



feet above mean sea level, in monitor well MW-21 on April 20, 2022, and in monitor well MW-11 on April 22, 2022, respectively.

Review of laboratory analytical results of the groundwater samples obtained during the 2022 monitoring period indicated BTEX constituent concentrations were below applicable the NMOCD regulatory guidelines for at least one (1) quarter in twenty-one (21) of the thirty (30) monitor/recovery wells currently on-site. Dissolved phase hydrocarbon impact appears to be limited to monitor wells MW-4, MW-6, MW-7, MW-14, MW-15 and recovery wells RW-3 through RW-6. PSH appears to be limited to monitor wells MW-6, MW-7, and MW-8 and sporadic observations in monitor wells MW-4, MW-19, and recovery well RW-5.

Analytical results of groundwater samples collected during the 4<sup>th</sup> quarter sampling event indicated PAH concentrations are fluctuating.

### **ANTICIPATED ACTIONS**

Monthly gauging and quartering sampling will continue in 2022. Manual product recovery will continue on a monthly schedule and will be adjusted according to Site conditions. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2024.

Based on the results of previous PAH analysis, additional PAH analysis is anticipated to be conducted on monitor wells MW-4, MW-6, MW-7, MW-8, MW-14, MW-15, and MW-19 and recovery wells RW-3 through RW-6.

Low-flow sampling of MNA parameters will be conducted on monitor wells MW-11, MW-5, MW-7, MW-19, and MW-25 and recovery well RW-3 during each quarterly sampling event. Unforeseen circumstances may require modification of this sampling event.

### **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 that 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 that 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.

**DISTRIBUTION**

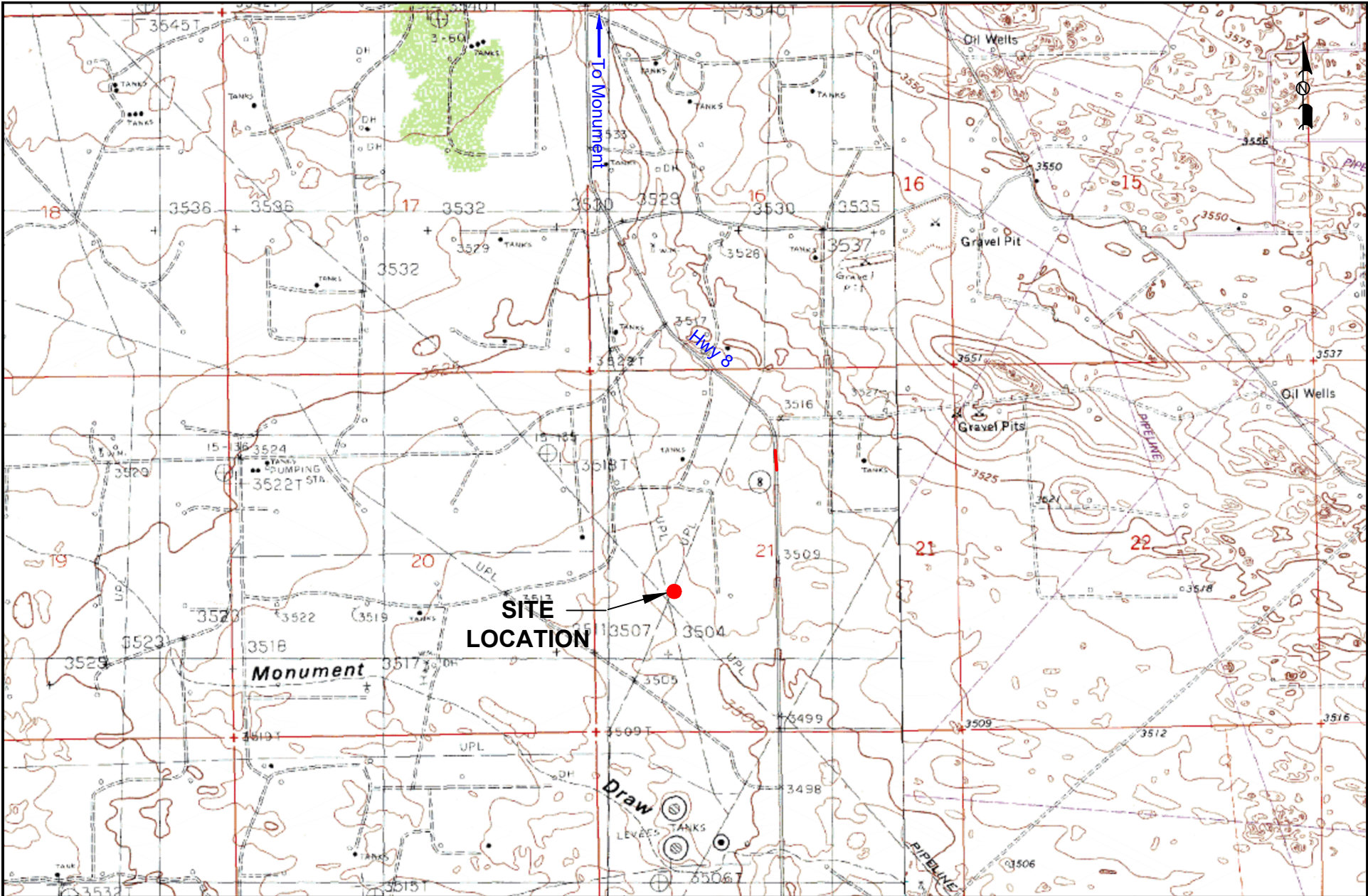
Copy 1 Nelson Velez  
Environmental Specialist-Advanced  
New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Copy 2: Camille Bryant  
Plains Marketing, L.P.  
1106 Griffith Drive  
Midland, TX 79706  
cjbryant@paalp.com

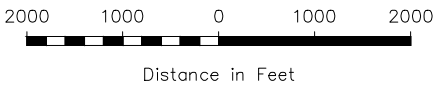
Copy 3: Jeff Dann  
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333 Clay Street  
Suite 1600  
Houston, TX 77002  
jpdann@paalp.com

Copy 4: TRC Environmental Corporation  
10 Desta Drive, Suite 130E  
Midland, TX 79705  
cdstanley@trccompanies.com

## **FIGURES**



LEGEND:

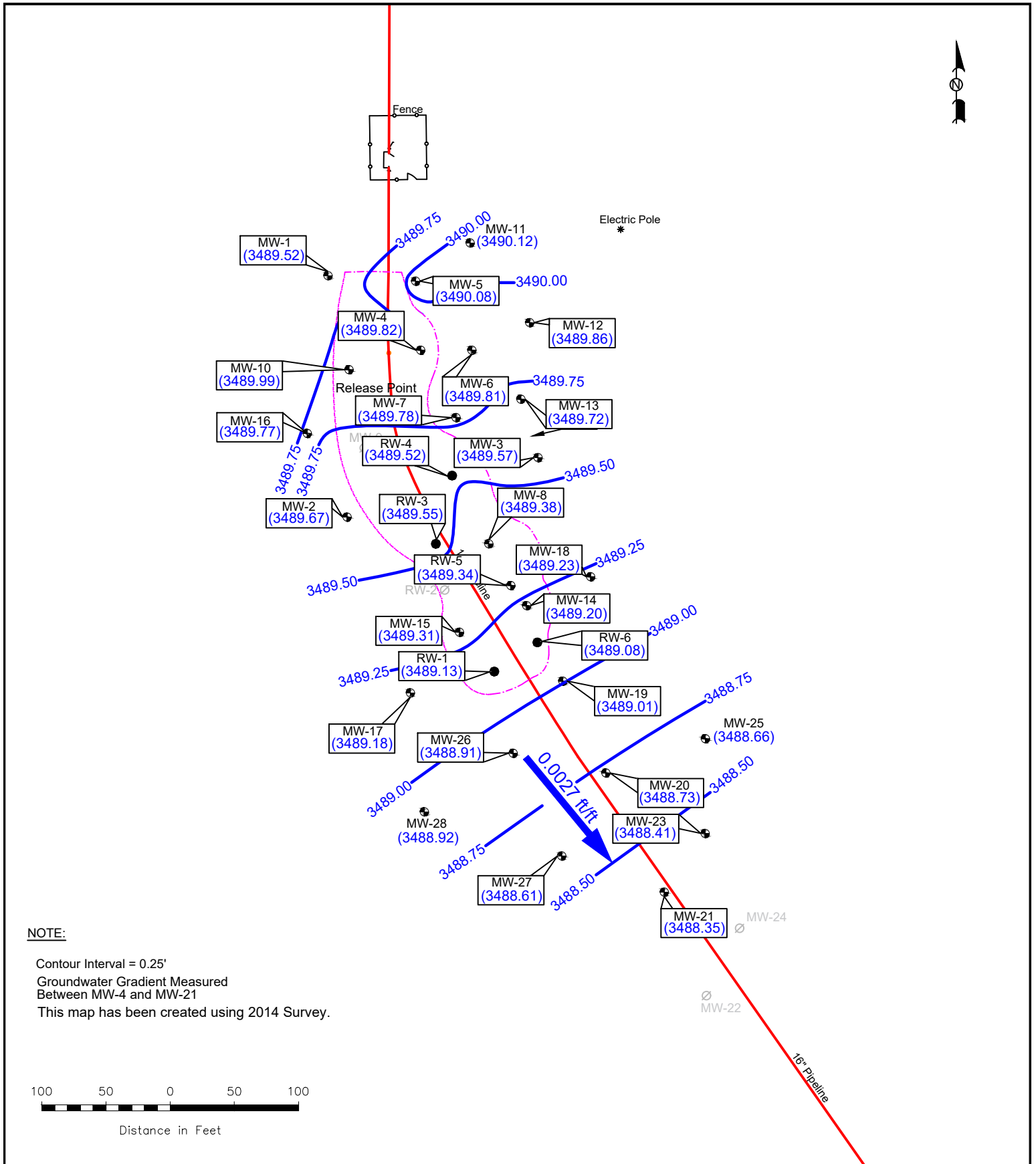


Distance in Feet

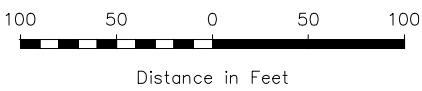
Figure 1  
 Site Location Map  
 Plains Marketing, L.P.  
 TNM 97-17  
 NMOCD Reference # AP-17-0  
 Lea County, NM

Scale: 1" = 2000'	
CAD By: TA	Checked By: CS
Draft: February 29, 2016	
Lat. N 32.556666°, Long. W 103.260361°	
NW1/4 SW1/4 Sec 21 T20S R37E	
TRC Proj. No.: 014178	

10 Desta Drive, Suite 130E  
 Midland, Texas 79705  
 432.520.7720



**NOTE:**  
 Contour Interval = 0.25'  
 Groundwater Gradient Measured  
 Between MW-4 and MW-21  
 This map has been created using 2014 Survey.



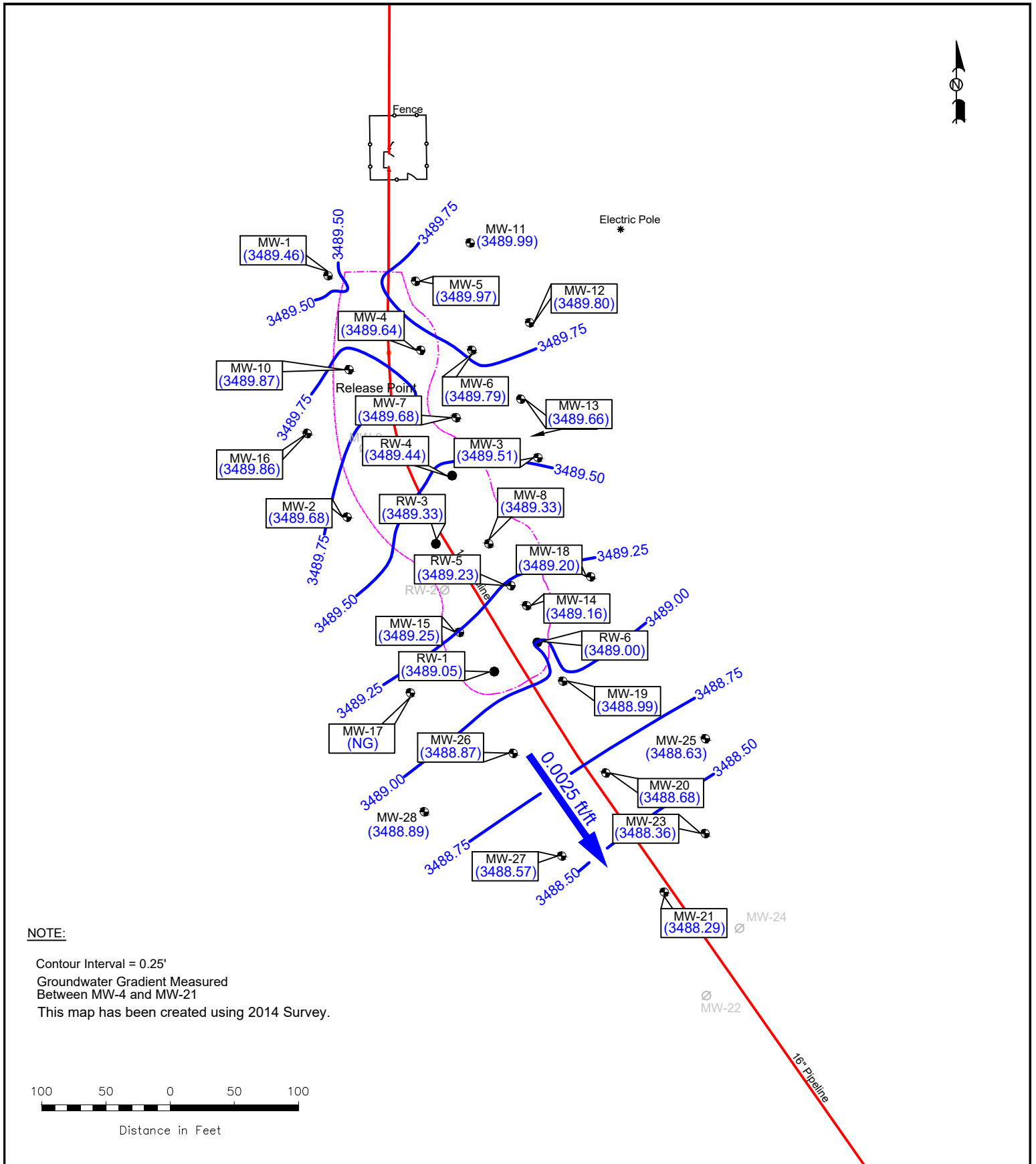
**LEGEND:**

	Monitor Well Location	(NW)	Dry Well / No Water
	Recovery Well Location	(NA)	Well Not used in Gradient
	Release Point		
	Pipeline		
	Former 2012 Excavation		
	Groundwater Elevation Contour Line		

Figure 2A  
 Inferred Groundwater Gradient Map  
 (3/14/2022 - 3/16/2022)  
 Plains Marketing, L.P.  
 TNM 97-17  
 NMOCD Reference # AP-17-0  
 Lea County, NM

Scale: 1" = 100'	
CAD By: CS	Checked By: CS
Draft: April 19, 2022	
Lat. N 32.556666°, Long. W 103.260361°	
NW1/4 SW1/4 Sec 21 T20S R37E	
TRC Proj. No.: 014178	

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 Midland, Texas 79705  
 432.520.7720



**NOTE:**  
 Contour Interval = 0.25'  
 Groundwater Gradient Measured  
 Between MW-4 and MW-21  
 This map has been created using 2014 Survey.

**LEGEND:**

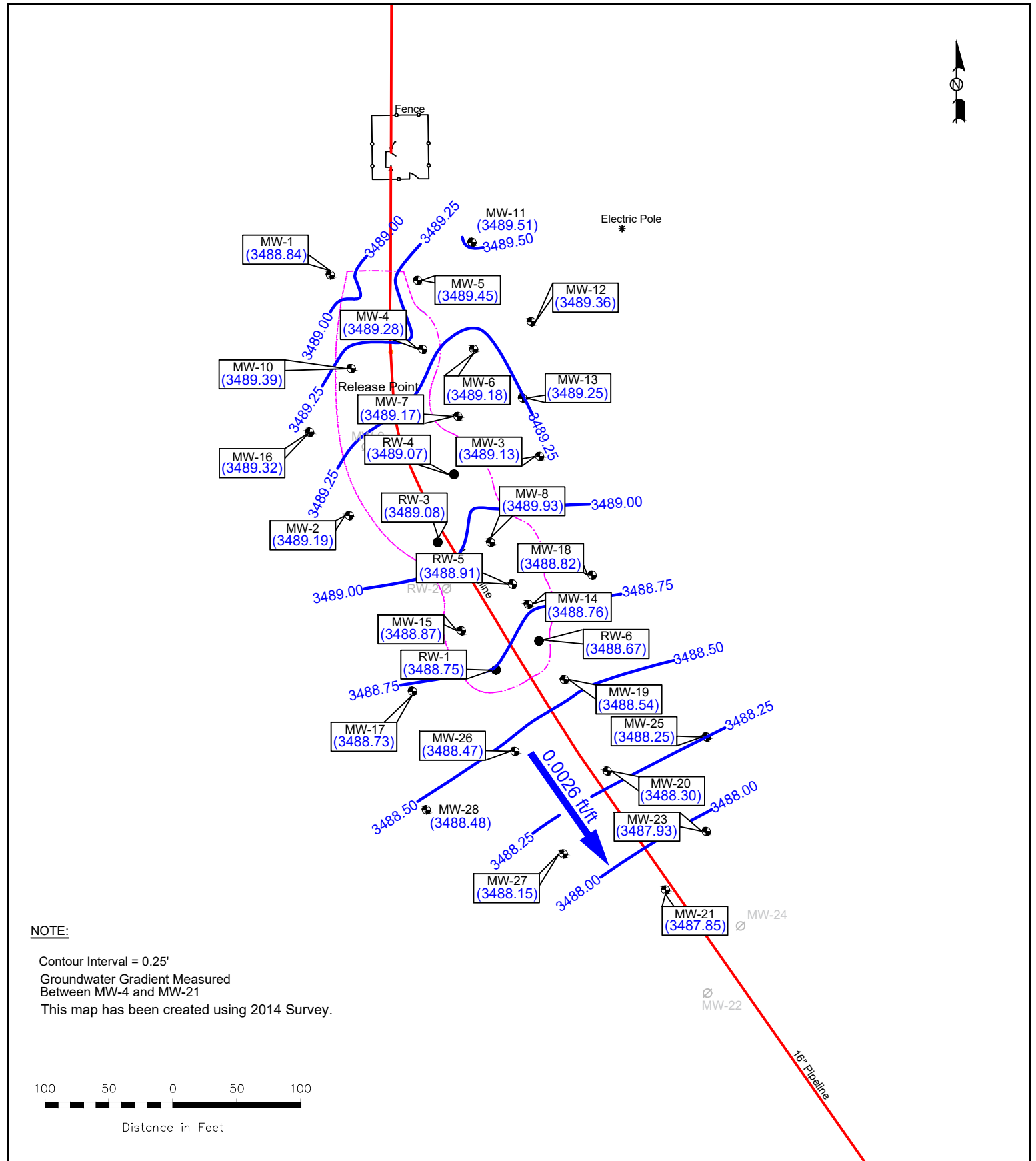
Monitor Well Location	(NW) Dry Well / No Water
Recovery Well Location	(NA) Well Not used in Gradient
Release Point	
Pipeline	
Former 2012 Excavation	
Groundwater Elevation Contour Line	

Figure 2B  
 Inferred Groundwater Gradient Map  
 (5/9/2022 - 5/11/2022)  
 Plains Marketing, L.P.  
 TNM 97-17  
 NMOCD Reference # AP-17-0  
 Lea County, NM

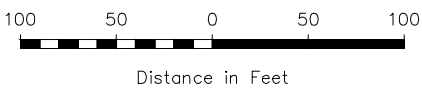
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Draft: May 18, 2022	
Lat. N 32.556666°, Long. W 103.260361°	
NW1/4 SW1/4 Sec 21 T20S R37E	
TRC Proj. No.: 014178	



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**NOTE:**  
 Contour Interval = 0.25'  
 Groundwater Gradient Measured  
 Between MW-4 and MW-21  
 This map has been created using 2014 Survey.



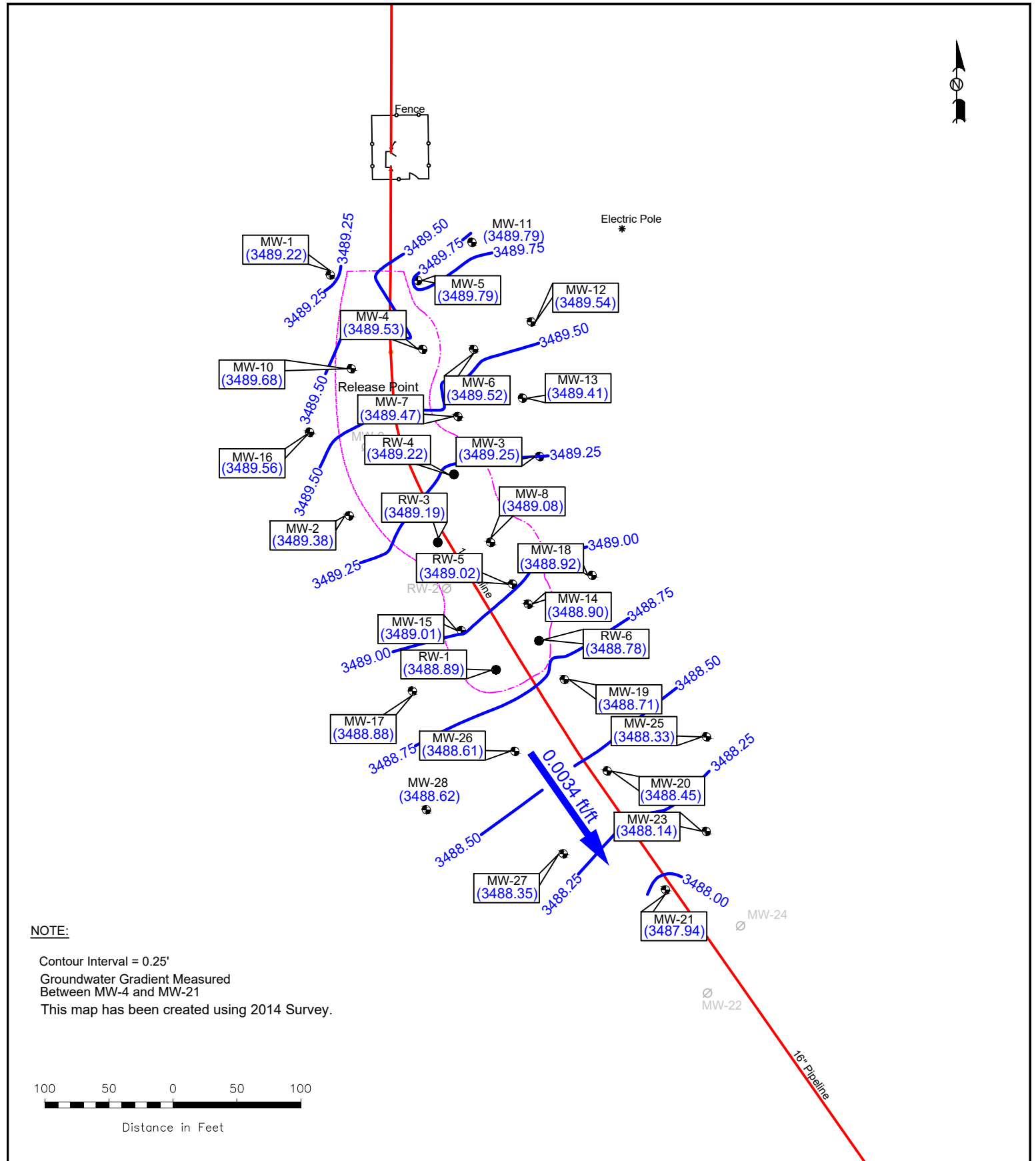
**LEGEND:**

Monitor Well Location	(NW) Dry Well / No Water
Recovery Well Location	(NA) Well Not used in Gradient
Release Point	
Pipeline	
Former 2012 Excavation	
Groundwater Elevation Contour Line	

Figure 2C  
 Inferred Groundwater  
 Gradient Map  
 (8/16/2022)  
 Plains Marketing, L.P.  
 TNM 97-17  
 NMOCD Reference # AP-17-0  
 Lea County, NM

Scale: 1" = 100'	
CAD By: CS	Checked By: CS
Draft: August 19, 2022	
Lat. N 32.556666°, Long. W 103.260361°	
NW1/4 SW1/4 Sec 21 T20S R37E	
TRC Proj. No.: 014178	

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**NOTE:**  
 Contour Interval = 0.25'  
 Groundwater Gradient Measured  
 Between MW-4 and MW-21  
 This map has been created using 2014 Survey.

	Monitor Well Location	(NW)	Dry Well / No Water
	Recovery Well Location	(NA)	Well Not used in Gradient
	Release Point		
	Pipeline		
	Former 2012 Excavation		
	Groundwater Elevation Contour Line		

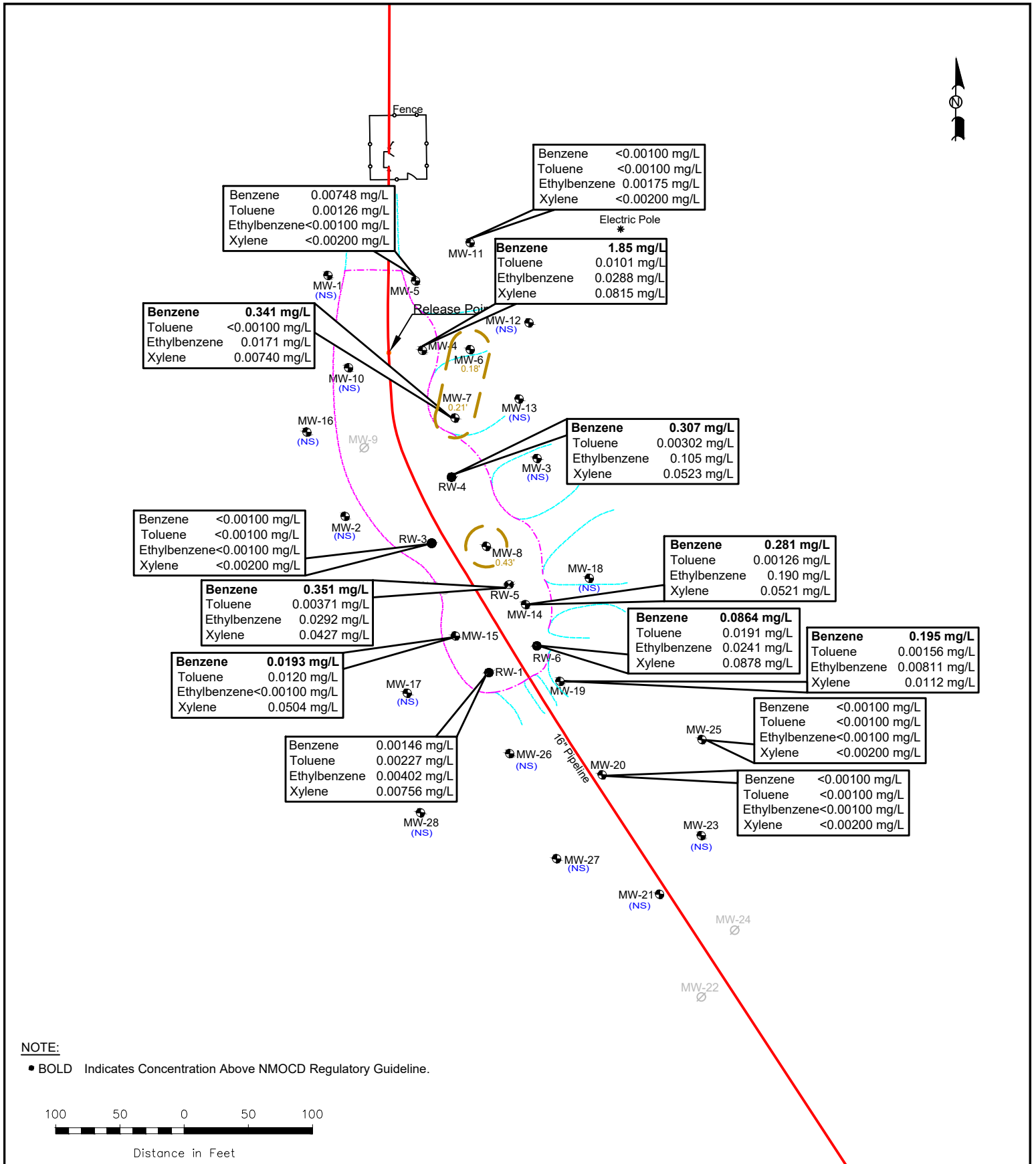
Figure 2D  
 Inferred Groundwater Gradient Map  
 (11/9/2022 - 11/11/2022)  
 Plains Marketing, L.P.  
 TNM 97-17  
 NMOCD Reference # AP-17-0  
 Lea County, NM

Scale: 1" = 100'	
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Draft: March 7, 2023	
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TRC Proj. No.: 014178	



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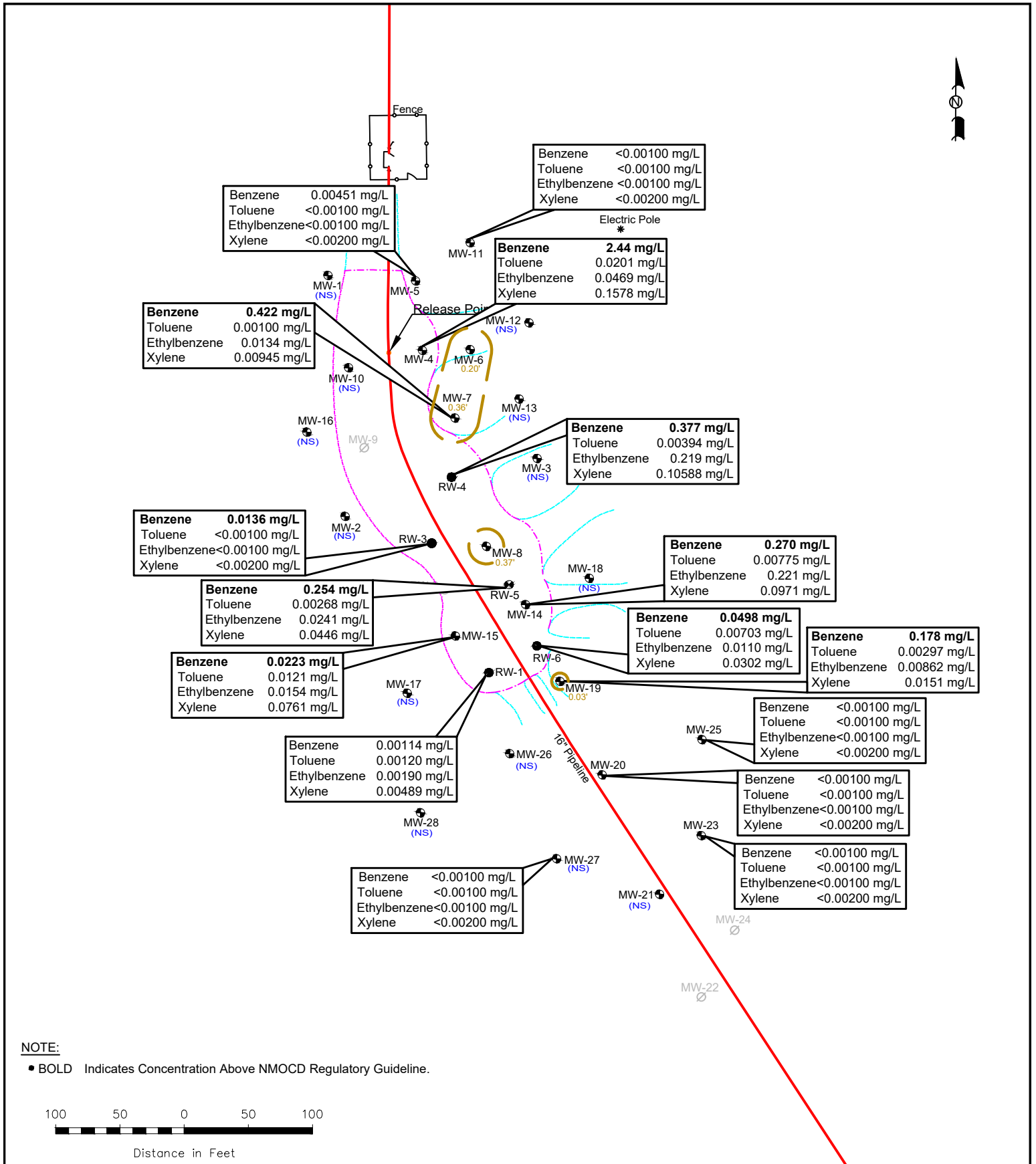
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●	Recovery Well Location	(NW)	No Water
●	Release Well	(NS)	Not Sampled
—	Pipeline		
—	Former 2012 Excavation		
—	Inferred PSH Extent		
0.18'	Thickness of PSH (feet)		

Figure 3A  
 Groundwater Concentration and Inferred PSH Extent Map  
 (3/14/2022 - 3/16/2022)  
 Plains Marketing, L.P.  
 TNM 97-17  
 NMOCD Reference # AP-17-0  
 Lea County, NM

Scale: 1" = 100'	
CAD By: CS	Checked By: CS
Draft: April 4, 2022	
Lat. N 32.556666°, Long. W 103.260361°	
NW1/4 NW1/4 Sec 21 T20S R37E	
TRC Proj. No.: 014178	



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 Midland, Texas 79705  
 432.520.7720



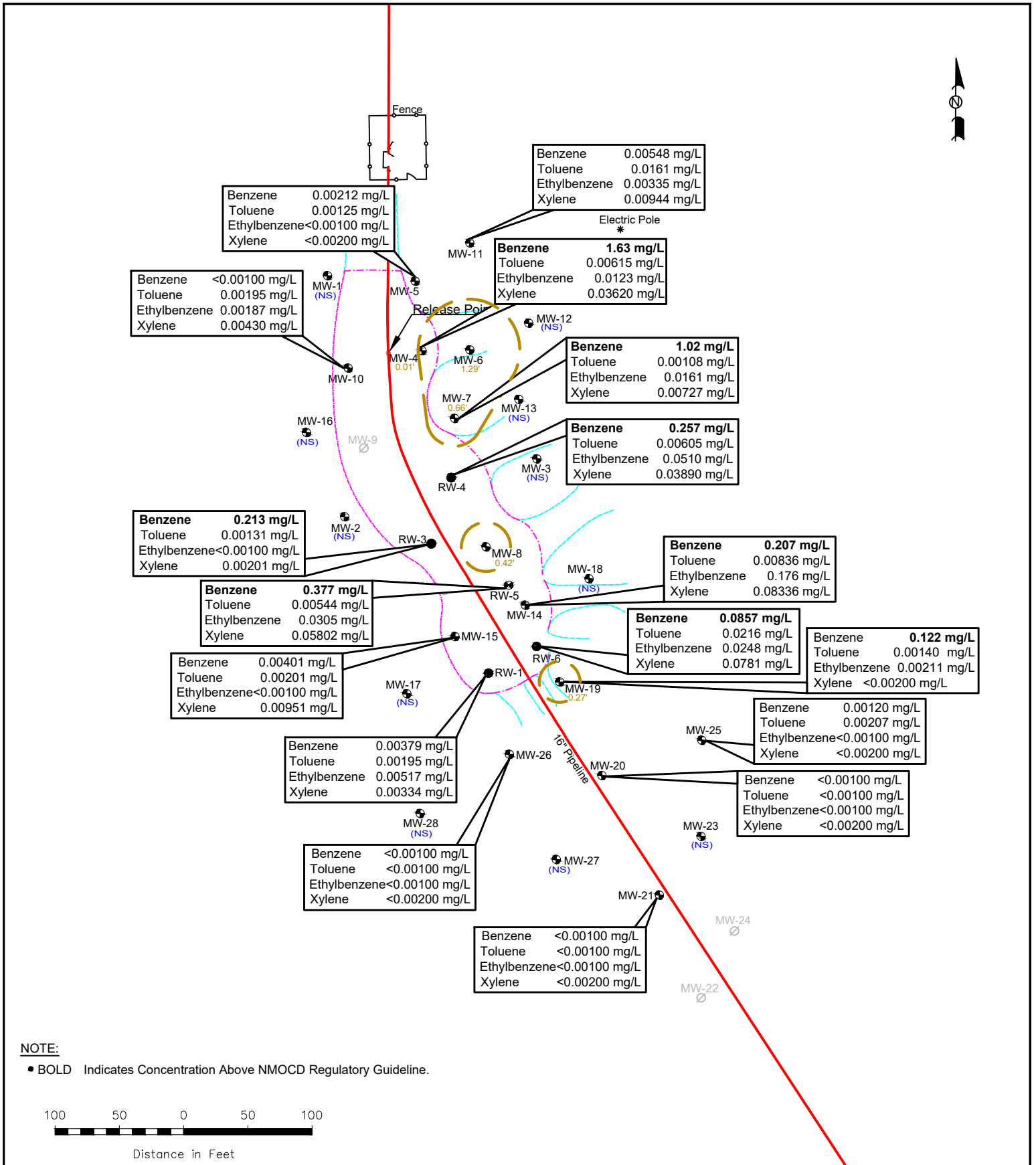
**LEGEND:**

	Monitor Well Location	<0.001	Constituent Concentration (mg/L)
	Recovery Well Location		
	Release Point	(NW)	No Water
	Pipeline	(NS)	Not Sampled
	Former 2012 Excavation		
	Inferred PSH Extent		
	Thickness of PSH (feet)		

Figure 3B  
 Groundwater Concentration and Inferred PSH Extent Map  
 (5/9/2022 - 5/11/2022)  
 Plains Marketing, L.P.  
 TNM 97-17  
 NMOCD Reference # AP-17-0  
 Lea County, NM

Scale: 1" = 100'	
CAD By: CS	Checked By: CS
Draft: May 25, 2022	
Lat. N 32.556666°, Long. W 103.260361°	
NW1/4 NW1/4 Sec 21 T20S R37E	
TRC Proj. No.: 014178	

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 432.520.7720



**LEGEND:**

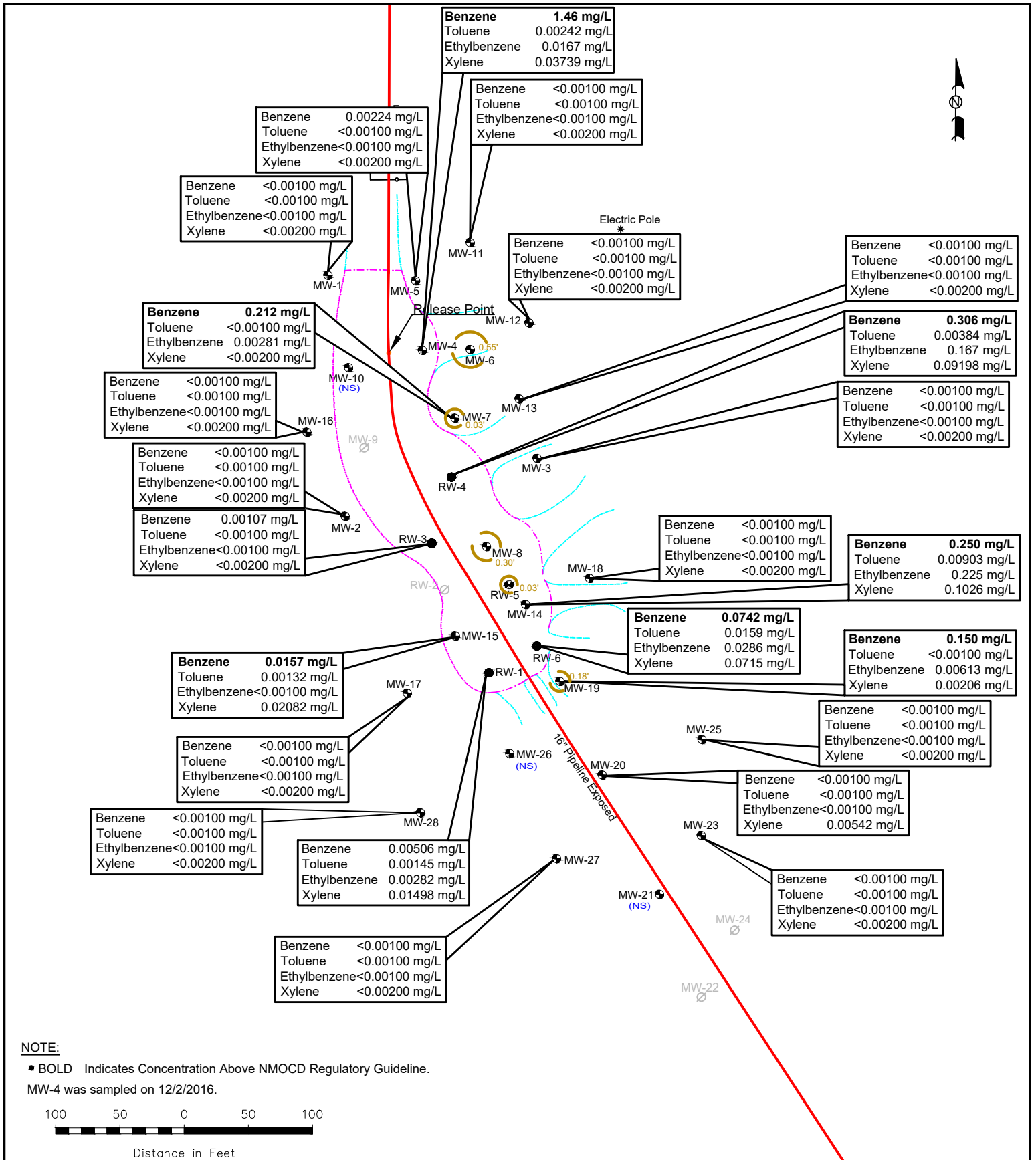
●	Monitor Well Location	<0.001	Constituent Concentration (mg/L)
●	Recovery Well Location		
●	Release Point	(NW)	No Water
—	Pipeline	(NS)	Not Sampled
—	Former 2012 Excavation		
—	Inferred PSH Extent		
0.18'	Thickness of PSH (feet)		

Figure 3C  
 Groundwater Concentration and Inferred PSH Extent Map  
 (8/16/2022 - 8/18/2022)  
 Plains Marketing, L.P.  
 TNM 97-17  
 NMOCD Reference # AP-17-0  
 Lea County, NM

Scale: 1" = 100'	
CAD By: CS	Checked By: CS
Draft: August 31, 2022	
Lat. N 32.556666°, Long. W 103.260361°	
NW1/4 NW1/4 Sec 21 T20S R37E	
TRC Proj. No.: 014178	



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 Midland, Texas 79705  
 432.520.7720



**LEGEND:**

	Monitor Well Location	<0.001	Constituent Concentration (mg/L)
	Recovery Well Location		
	Release Point	(NW)	No Water
	Pipeline	(NS)	Not Sampled
	Former 2012 Excavation		
	Inferred PSH Extent		
	Thickness of PSH (feet)		

Figure 3D  
 Groundwater Concentration and Inferred PSH Extent Map  
 (11/9/2022 - 11/11/2022)  
 Plains Marketing, L.P.  
 TNM 97-17  
 NMOCD Reference # AP-17-0  
 Lea County, NM

Scale: 1" = 100'	
CAD By: CS	Checked By: CS
Draft: December 28, 2022	
Lat. N 32.556666°, Long. W 103.260361°	
NW1/4 NW1/4 Sec 21 T20S R37E	
TRC Proj. No.: 014178	

10 Desta Drive, Suite 130E  
 Midland, Texas 79705  
 432.520.7720

## **TABLES**

**TABLE 1**  
**2022 GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.

<b>Well Number</b>	<b>DATE MEASURED</b>	<b>TOP OF CASING ELEVATION</b>	<b>DEPTH TO PRODUCT</b>	<b>DEPTH TO WATER</b>	<b>PSH THICKNESS</b>	<b>CORRECTED GROUNDWATER ELEVATION</b>
MW - 1	03/14/22	3511.93	-	22.41	0.00	3489.52
MW - 1	04/20/22	3511.93	-	22.34	0.00	3489.59
MW - 1	05/10/22	3511.93	-	22.47	0.00	3489.46
MW - 1	08/16/22	3511.93	-	23.09	0.00	3488.84
MW - 1	11/09/22	3511.93	-	22.71	0.00	3489.22
MW - 2	03/14/22	3510.19	-	20.52	0.00	3489.67
MW - 2	04/20/22	3510.19	-	20.46	0.00	3489.73
MW - 2	05/10/22	3510.19	-	20.51	0.00	3489.68
MW - 2	08/16/22	3510.19	-	21.00	0.00	3489.19
MW - 2	11/10/22	3510.19	-	20.81	0.00	3489.38
MW - 3	03/14/22	3509.87	-	20.30	0.00	3489.57
MW - 3	04/20/22	3509.87	-	20.27	0.00	3489.60
MW - 3	05/10/22	3509.87	-	20.36	0.00	3489.51
MW - 3	08/16/22	3509.87	-	20.74	0.00	3489.13
MW - 3	11/10/22	3509.87	-	20.62	0.00	3489.25
MW - 4	03/16/22	3513.35	-	23.53	0.00	3489.82
MW - 4	04/20/22	3513.35	-	23.52	0.00	3489.83
MW - 4	05/11/22	3513.35	-	23.71	0.00	3489.64
MW - 4	08/16/22	3513.35	24.07	24.08	0.01	3489.28
MW - 4	11/11/22	3513.35	-	23.82	0.00	3489.53
MW - 5	03/15/22	3513.99	-	23.91	0.00	3490.08
MW - 5	04/20/22	3513.99	-	23.88	0.00	3490.11
MW - 5	05/10/22	3513.99	-	24.02	0.00	3489.97
MW - 5	08/16/22	3513.99	-	24.54	0.00	3489.45
MW - 5	11/09/22	3513.99	-	24.20	0.00	3489.79
MW - 6	01/19/22	3512.05	22.14	22.28	0.14	3489.89
MW - 6	02/23/22	3512.05	22.22	22.50	0.28	3489.79
MW - 6	03/15/22	3512.05	22.21	22.39	0.18	3489.81
MW - 6	03/30/22	3512.05	22.18	22.25	0.07	3489.86
MW - 6	04/13/22	3512.05	22.18	22.49	0.31	3489.82
MW - 6	04/20/22	3512.05	22.16	22.60	0.44	3489.82
MW - 6	05/11/22	3512.05	22.23	22.43	0.20	3489.79
MW - 6	05/31/22	3512.05	22.36	22.45	0.09	3489.68
MW - 6	06/27/22	3512.05	22.42	23.92	1.50	3489.41
MW - 6	07/25/22	3512.05	22.62	25.43	2.81	3489.01
MW - 6	08/16/22	3512.05	22.68	23.97	1.29	3489.18
MW - 6	09/08/22	3512.05	22.58	23.33	0.75	3489.36
MW - 6	11/08/22	3512.05	22.45	23.00	0.55	3489.52

**TABLE 1**  
**2022 GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.

<b>Well Number</b>	<b>DATE MEASURED</b>	<b>TOP OF CASING ELEVATION</b>	<b>DEPTH TO PRODUCT</b>	<b>DEPTH TO WATER</b>	<b>PSH THICKNESS</b>	<b>CORRECTED GROUNDWATER ELEVATION</b>
MW - 7	01/19/22	3511.57	21.95	22.32	0.37	3489.56
MW - 7	02/23/22	3511.57	21.80	22.03	0.23	3489.74
MW - 7	03/15/22	3511.57	21.76	21.97	0.21	3489.78
MW - 7	03/30/22	3511.57	21.79	21.99	0.20	3489.75
MW - 7	04/13/22	3511.57	21.80	21.90	0.10	3489.76
MW - 7	04/20/22	3511.57	21.77	21.92	0.15	3489.78
MW - 7	05/11/22	3511.57	21.84	22.20	0.36	3489.68
MW - 7	05/31/22	3511.57	22.00	23.21	1.21	3489.39
MW - 7	06/27/22	3511.57	22.06	23.04	0.98	3489.36
MW - 7	07/25/22	3511.57	22.20	23.20	1.00	3489.22
MW - 7	08/16/22	3511.57	22.30	22.96	0.66	3489.17
MW - 7	09/08/22	3511.57	22.38	22.78	0.40	3489.13
MW - 7	11/10/22	3511.57	22.10	22.13	0.03	3489.47
MW - 8	03/15/22	3511.82	22.38	22.81	0.43	3489.38
MW - 8	04/20/22	3511.82	22.38	22.85	0.47	3489.37
MW - 8	05/11/22	3511.82	22.43	22.80	0.37	3489.33
MW - 8	08/16/22	3511.82	22.83	23.25	0.42	3488.93
MW - 8	11/08/22	3511.82	22.70	23.00	0.30	3489.08
MW - 10	03/14/22	3513.79	-	23.80	0.00	3489.99
MW - 10	04/20/22	3513.79	-	23.80	0.00	3489.99
MW - 10	05/09/22	3513.79	-	23.92	0.00	3489.87
MW - 10	08/16/22	3513.79	-	24.40	0.00	3489.39
MW - 10	11/08/22	3513.79	-	24.11	0.00	3489.68
MW - 11	03/15/22	3512.89	-	22.77	0.00	3490.12
MW - 11	04/20/22	3512.89	-	22.74	0.00	3490.15
MW - 11	05/10/22	3512.89	-	22.90	0.00	3489.99
MW - 11	08/16/22	3512.89	-	23.38	0.00	3489.51
MW - 11	11/09/22	3512.89	-	23.10	0.00	3489.79
MW - 12	03/15/22	3509.69	-	19.83	0.00	3489.86
MW - 12	04/20/22	3509.69	-	19.80	0.00	3489.89
MW - 12	05/09/22	3509.69	-	19.89	0.00	3489.80
MW - 12	08/16/22	3509.69	-	20.33	0.00	3489.36
MW - 12	11/09/22	3509.69	-	20.15	0.00	3489.54
MW - 13	03/14/22	3509.57	-	19.85	0.00	3489.72
MW - 13	04/20/22	3509.57	-	19.83	0.00	3489.74
MW - 13	05/09/22	3509.57	-	19.91	0.00	3489.66
MW - 13	08/16/22	3509.57	-	20.32	0.00	3489.25
MW - 13	11/09/22	3509.57	-	20.16	0.00	3489.41

**TABLE 1**  
**2022 GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	03/16/22	3511.85	-	22.65	0.00	3489.20
MW - 14	04/20/22	3511.85	-	22.60	0.00	3489.25
MW - 14	05/11/22	3511.85	-	22.69	0.00	3489.16
MW - 14	08/16/22	3511.85	-	23.09	0.00	3488.76
MW - 14	11/11/22	3511.85	-	22.95	0.00	3488.90
MW - 15	02/23/22	3511.77	-	22.49	0.00	3489.28
MW - 15	03/16/22	3511.77	-	22.46	0.00	3489.31
MW - 15	04/20/22	3511.77	-	22.47	0.00	3489.30
MW - 15	05/11/22	3511.77	-	22.52	0.00	3489.25
MW - 15	08/16/22	3511.77	-	22.90	0.00	3488.87
MW - 15	11/11/22	3511.77	-	22.76	0.00	3489.01
MW - 16	03/14/22	3510.44	-	20.67	0.00	3489.77
MW - 16	04/20/22	3510.44	-	20.52	0.00	3489.92
MW - 16	05/09/22	3510.44	-	20.58	0.00	3489.86
MW - 16	08/16/22	3510.44	-	21.12	0.00	3489.32
MW - 16	11/09/22	3510.44	-	20.88	0.00	3489.56
MW - 17	03/14/22	3509.33	-	20.15	0.00	3489.18
MW - 17	04/20/22	3509.33	-	20.12	0.00	3489.21
MW - 17	05/09/22	3509.33	-	-	0.00	-
MW - 17	08/16/22	3509.33	-	20.60	0.00	3488.73
MW - 17	11/09/22	3509.33	-	20.45	0.00	3488.88
MW - 18	03/14/22	3510.17	-	20.94	0.00	3489.23
MW - 18	04/20/22	3510.17	-	20.92	0.00	3489.25
MW - 18	05/09/22	3510.17	-	20.97	0.00	3489.20
MW - 18	08/16/22	3510.17	-	21.35	0.00	3488.82
MW - 18	11/10/22	3510.17	-	21.25	0.00	3488.92
MW - 19	02/23/22	3511.96	-	22.95	0.00	3489.01
MW - 19	03/14/22	3511.96	-	22.95	0.00	3489.01
MW - 19	04/20/22	3511.96	-	22.96	0.00	3489.00
MW - 19	05/11/22	3511.96	22.97	23.00	0.03	3488.99
MW - 19	05/31/22	3511.96	-	23.09	0.00	3488.87
MW - 19	06/27/22	3511.96	22.20	22.50	0.30	3489.72
MW - 19	08/16/22	3511.96	23.38	23.65	0.27	3488.54
MW - 19	11/10/22	3511.96	23.22	23.40	0.18	3488.71
MW - 20	03/16/22	3509.47	-	20.74	0.00	3488.73
MW - 20	04/20/22	3509.47	-	20.76	0.00	3488.71
MW - 20	05/11/22	3509.47	-	20.79	0.00	3488.68



**TABLE 1**  
**2022 GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.

<b>Well Number</b>	<b>DATE MEASURED</b>	<b>TOP OF CASING ELEVATION</b>	<b>DEPTH TO PRODUCT</b>	<b>DEPTH TO WATER</b>	<b>PSH THICKNESS</b>	<b>CORRECTED GROUNDWATER ELEVATION</b>
MW - 20	08/16/22	3509.47	-	21.17	0.00	3488.30
MW - 20	11/10/22	3509.47	-	21.02	0.00	3488.45
MW - 21	03/14/22	3508.05	-	19.70	0.00	3488.35
MW - 21	04/20/22	3508.05	-	19.70	0.00	3488.35
MW - 21	05/09/22	3508.05	-	19.76	0.00	3488.29
MW - 21	08/16/22	3508.05	-	20.20	0.00	3487.85
MW - 21	11/08/22	3508.05	-	20.11	0.00	3487.94
MW - 23	03/14/22	3510.83	-	22.42	0.00	3488.41
MW - 23	04/20/22	3510.83	-	22.41	0.00	3488.42
MW - 23	05/11/22	3510.83	-	22.47	0.00	3488.36
MW - 23	08/16/22	3510.83	-	22.90	0.00	3487.93
MW - 23	11/10/22	3510.83	-	22.69	0.00	3488.14
MW - 25	03/15/22	3510.71	-	22.05	0.00	3488.66
MW - 25	04/20/22	3510.71	-	22.03	0.00	3488.68
MW - 25	05/10/22	3510.71	-	22.08	0.00	3488.63
MW - 25	08/16/22	3510.71	-	22.46	0.00	3488.25
MW - 25	11/09/22	3510.71	-	22.38	0.00	3488.33
MW - 26	03/14/22	3508.57	-	19.66	0.00	3488.91
MW - 26	04/20/22	3508.57	-	19.64	0.00	3488.93
MW - 26	05/09/22	3508.57	-	19.70	0.00	3488.87
MW - 26	08/16/22	3508.57	-	20.10	0.00	3488.47
MW - 26	11/09/22	3508.57	-	19.96	0.00	3488.61
MW - 27	03/14/22	3508.73	-	20.12	0.00	3488.61
MW - 27	04/20/22	3508.73	-	20.10	0.00	3488.63
MW - 27	05/11/22	3508.73	-	20.16	0.00	3488.57
MW - 27	08/16/22	3508.73	-	20.58	0.00	3488.15
MW - 27	11/10/22	3508.73	-	20.38	0.00	3488.35
MW - 28	03/14/22	3509.44	-	20.52	0.00	3488.92
MW - 28	04/20/22	3509.44	-	20.50	0.00	3488.94
MW - 28	05/09/22	3509.44	-	20.55	0.00	3488.89
MW - 28	08/16/22	3509.44	-	20.96	0.00	3488.48
MW - 28	11/10/22	3509.44	-	20.82	0.00	3488.62
RW - 1	03/16/22	3512.54	-	23.41	0.00	3489.13
RW - 1	04/20/22	3512.54	-	23.40	0.00	3489.14
RW - 1	05/10/22	3512.54	-	23.49	0.00	3489.05
RW - 1	08/16/22	3512.54	-	23.79	0.00	3488.75
RW - 1	11/10/22	3512.54	-	23.65	0.00	3488.89

**TABLE 1**  
**2022 GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	02/23/22	3512.17	-	22.63	0.00	3489.54
RW - 3	03/15/22	3512.17	-	22.62	0.00	3489.55
RW - 3	04/20/22	3512.17	-	22.59	0.00	3489.58
RW - 3	05/10/22	3512.17	-	22.84	0.00	3489.33
RW - 3	08/16/22	3512.17	-	23.09	0.00	3489.08
RW - 3	11/10/22	3512.17	-	22.98	0.00	3489.19
RW - 4	03/16/22	3512.62	-	23.10	0.00	3489.52
RW - 4	04/20/22	3512.62	-	23.05	0.00	3489.57
RW - 4	05/11/22	3512.62	-	23.18	0.00	3489.44
RW - 4	08/16/22	3512.62	-	23.55	0.00	3489.07
RW - 4	11/11/22	3512.62	-	23.40	0.00	3489.22
RW - 5	02/23/22	3512.12	-	22.78	0.00	3489.34
RW - 5	03/16/22	3512.12	-	22.78	0.00	3489.34
RW - 5	04/20/22	3512.12	-	22.75	0.00	3489.37
RW - 5	05/11/22	3512.12	-	22.89	0.00	3489.23
RW - 5	08/16/22	3512.12	-	23.21	0.00	3488.91
RW - 5	11/11/22	3512.12	23.10	23.13	0.03	3489.02
RW - 6	03/16/22	3512.44	-	23.36	0.00	3489.08
RW - 6	04/20/22	3512.44	-	23.33	0.00	3489.11
RW - 6	05/11/22	3512.44	-	23.44	0.00	3489.00
RW - 6	08/16/22	3512.44	-	23.77	0.00	3488.67
RW - 6	11/11/22	3512.44	-	23.66	0.00	3488.78

TABLE 2

## 2022 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.010	0.75	0.75	0.62	
MW - 1	03/16/22	Not Sampled on Current Sample Schedule				
MW - 1	05/09/22	Not Sampled on Current Sample Schedule				
MW - 1	08/16/22	Not Sampled on Current Sample Schedule				
MW - 1	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	03/16/22	Not Sampled on Current Sample Schedule				
MW - 2	05/09/22	Not Sampled on Current Sample Schedule				
MW - 2	08/16/22	Not Sampled on Current Sample Schedule				
MW - 2	11/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	03/16/22	Not Sampled on Current Sample Schedule				
MW - 3	05/09/22	Not Sampled on Current Sample Schedule				
MW - 3	08/16/22	Not Sampled on Current Sample Schedule				
MW - 3	11/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	03/16/22	1.85	0.0101	0.0288	0.0815	
MW - 4	05/11/22	2.44	0.0201	0.0469	0.1578	
MW - 4	08/18/22	1.63	0.00615	0.0123	0.03620	
MW - 4	11/11/22	1.46	0.00242	0.0167	0.03739	
MW - 5	03/15/22	0.00748	0.00126	<0.00100	<0.00200	
MW - 5	05/10/22	0.00451	<0.00100	<0.00100	<0.00200	
MW - 5	08/17/22	0.00212	0.00125	<0.00100	<0.00200	
MW - 5	11/09/22	0.00224	<0.00100	<0.00100	<0.00200	
MW - 6	03/16/22	Not Sampled Due to PSH in Well				
MW - 6	05/11/22	Not Sampled Due to PSH in Well				
MW - 6	08/16/22	Not Sampled Due to PSH in Well				
MW - 6	11/10/22	Not Sampled Due to PSH in Well				
MW - 7	03/15/22	0.341	<0.00100	0.0171	0.00740	
MW - 7	05/11/22	0.422	0.00100	0.0134	0.00945	
MW - 7	08/17/22	1.02	0.00108	0.0161	0.00727	
MW - 7	11/10/22	0.212	<0.00100	0.00281	<0.00200	
MW - 8	03/16/22	Not Sampled Due to PSH in Well				
MW - 8	05/11/22	Not Sampled Due to PSH in Well				
MW - 8	08/16/22	Not Sampled Due to PSH in Well				
MW - 8	11/10/22	Not Sampled Due to PSH in Well				
MW - 10	03/16/22	Not Sampled on Current Sample Schedule				

TABLE 2

## 2022 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.010	0.75	0.75	0.62	
MW - 10	05/09/22	Not Sampled on Current Sample Schedule				
MW - 10	08/18/22	<0.00100	0.00195	0.00187	0.00430	
MW - 10	11/09/22	Not Sampled on Current Sample Schedule				
MW - 11	03/15/22	<0.00100	<0.00100	0.00175	<0.00200	
MW - 11	05/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	08/17/22	0.00548	0.0161	0.00335	0.00944	
MW - 11	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	03/16/22	Not Sampled on Current Sample Schedule				
MW - 12	05/09/22	Not Sampled on Current Sample Schedule				
MW - 12	08/16/22	Not Sampled on Current Sample Schedule				
MW - 12	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	03/16/22	Not Sampled on Current Sample Schedule				
MW - 13	05/09/22	Not Sampled on Current Sample Schedule				
MW - 13	08/16/22	Not Sampled on Current Sample Schedule				
MW - 13	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	03/16/22	<b>0.281</b>	0.00126	0.190	0.0521	
MW - 14	05/11/22	<b>0.270</b>	0.00775	0.221	0.0971	
MW - 14	08/18/22	<b>0.207</b>	0.00836	0.176	0.08336	
MW - 14	11/11/22	<b>0.250</b>	0.00903	0.225	0.1026	
MW - 15	03/16/22	<b>0.0193</b>	0.0120	<0.00100	0.0504	
MW - 15	05/11/22	<b>0.0223</b>	0.0121	0.0154	0.0761	
MW - 15	08/18/22	0.00401	0.00201	<0.00100	0.00951	
MW - 15	11/11/22	<b>0.0157</b>	0.00132	<0.00100	0.02082	
MW - 16	03/16/22	Not Sampled on Current Sample Schedule				
MW - 16	05/09/22	Not Sampled on Current Sample Schedule				
MW - 16	08/16/22	Not Sampled on Current Sample Schedule				
MW - 16	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 17	03/16/22	Not Sampled on Current Sample Schedule				
MW - 17	05/09/22	Not Sampled on Current Sample Schedule				
MW - 17	08/16/22	Not Sampled on Current Sample Schedule				
MW - 17	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	03/16/22	Not Sampled on Current Sample Schedule				
MW - 18	05/09/22	Not Sampled on Current Sample Schedule				

TABLE 2

## 2022 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.010	0.75	0.75	0.62	
MW - 18	08/16/22	Not Sampled on Current Sample Schedule				
MW - 18	11/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 19	03/15/22	0.195	0.00156	0.00811	0.0112	
MW - 19	05/11/22	0.178	0.00297	0.00862	0.0151	
MW - 19	08/17/22	0.122	0.00140	0.00211	<0.00200	
MW - 19	11/10/22	0.150	<0.00100	0.00613	0.00206	
MW - 20	03/16/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 20	05/11/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 20	08/18/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 20	11/10/22	<0.00100	<0.00100	<0.00100	0.00542	
MW - 21	03/16/22	Not Sampled on Current Sample Schedule				
MW - 21	05/09/22	Not Sampled on Current Sample Schedule				
MW - 21	08/18/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 21	11/09/22	Not Sampled on Current Sample Schedule				
MW - 23	03/16/22	Not Sampled on Current Sample Schedule				
MW - 23	05/11/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 23	08/16/22	Not Sampled on Current Sample Schedule				
MW - 23	11/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 25	03/15/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 25	05/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 25	08/17/22	0.00120	0.00207	<0.00100	<0.00200	
MW - 25	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 26	03/16/22	Not Sampled on Current Sample Schedule				
MW - 26	05/09/22	Not Sampled on Current Sample Schedule				
MW - 26	08/18/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 26	11/09/22	Not Sampled on Current Sample Schedule				
MW - 27	03/16/22	Not Sampled on Current Sample Schedule				
MW - 27	05/11/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 27	08/16/22	Not Sampled on Current Sample Schedule				
MW - 27	11/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 28	03/16/22	Not Sampled on Current Sample Schedule				
MW - 28	05/09/22	Not Sampled on Current Sample Schedule				
MW - 28	08/16/22	Not Sampled on Current Sample Schedule				

TABLE 2

## 2022 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.010	0.75	0.75	0.62	
MW - 28	11/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
RW - 1	03/16/22	0.00146	0.00227	0.00402	0.00756	
RW - 1	05/11/22	0.00114	0.00120	0.00190	0.00489	
RW - 1	08/18/22	0.00379	0.00195	0.00517	0.00334	
RW - 1	11/10/22	0.00506	0.00145	0.00282	0.01498	
RW - 3	03/15/22	<0.00100	<0.00100	<0.00100	<0.00200	
RW - 3	05/10/22	<b>0.0136</b>	<0.00100	<0.00100	<0.00200	
RW - 3	08/17/22	<b>0.213</b>	0.00131	<0.00100	0.00201	
RW - 3	11/10/22	0.00107	<0.00100	<0.00100	<0.00200	
RW - 4	03/16/22	<b>0.307</b>	0.00302	0.105	0.0523	
RW - 4	05/11/22	<b>0.377</b>	0.00394	0.219	0.10588	
RW - 4	08/18/22	<b>0.257</b>	0.00605	0.0510	0.03890	
RW - 4	11/11/22	<b>0.306</b>	0.00384	0.167	0.09198	
RW - 5	03/16/22	<b>0.351</b>	0.00371	0.0292	0.0427	
RW - 5	05/11/22	<b>0.254</b>	0.00268	0.0241	0.0446	
RW - 5	08/18/22	<b>0.377</b>	0.00544	0.0305	0.05802	
RW - 5	11/11/22	Not Sampled Due to PSH in Well				
RW - 6	03/16/22	<b>0.0864</b>	0.0191	0.0241	0.0878	
RW - 6	05/11/22	<b>0.0498</b>	0.00703	0.0110	0.0302	
RW - 6	08/18/22	<b>0.0857</b>	0.0216	0.0248	0.0781	
RW - 6	11/11/22	<b>0.0742</b>	0.0159	0.0286	0.0715	

TABLE 3

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.  
 TNM 97-17  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-1	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-2	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-3	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-4	11/11/22	0.015	0.024	0.040	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.20	<0.0011	1.373		
MW-5	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-6	11/10/22	Not Sampled due to the presence of PSH.																	
MW-7	11/10/22	<0.00011	<0.00011	0.00014	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00043	<0.00011	0.00042	<0.00011	0.0102		-	
MW-8	11/10/22	Not Sampled due to the presence of PSH.																	
MW-10	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-11	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-12	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-13	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-14	11/11/22	0.012	0.013	0.013	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.12	<0.010	0.88		-
MW-15	11/11/22	<0.0010	0.0023	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0059	<0.0010	0.015		-	

TABLE 3

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.  
 TNM 97-17  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L.

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	0.0010 mg/L	0.001 mg/L	0.03 mg/L		--
MW-16	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-17	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-18	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-19	11/10/22	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.0040	<0.0011	0.0035	<0.0011	0.0282		-	
MW-20	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-21	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-23	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-25	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-26	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-27	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-28	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																	
RW-1	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																	
RW-3	11/10/22	<0.0011	<0.0011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00174		-
RW-4	11/11/22	<0.0011	0.0055	0.017	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.022	<0.0011	0.0094	<0.0011	<0.0011	0.039	<0.0011	0.1123		-



TABLE 3

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.  
 TNM 97-17  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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		--
RW-5	11/11/22	Not Sampled due to the presence of PSH.																	
RW-6	11.11.22	<0.0010	0.0014	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.011	<0.0010	0.472		-

\* = Sample Detection Limit (SDL)

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	03/03/00	3510.90	-	22.33	0.00	3488.57
MW - 1	04/11/00	3510.90	-	22.31	0.00	3488.59
MW - 1	09/01/00	3510.90	-	23.43	0.00	3487.47
MW - 1	11/21/00	3510.90	-	23.10	0.00	3487.80
MW - 1	02/22/01	3510.90	-	22.54	0.00	3488.36
MW - 1	05/17/01	3510.90	-	22.29	0.00	3488.61
MW - 1	08/08/01	3510.90	-	23.34	0.00	3487.56
MW - 1	10/24/01	3510.90	-	22.58	0.00	3488.32
MW - 1	03/27/02	3510.90	-	22.14	0.00	3488.76
MW - 1	05/14/02	3510.90	-	21.93	0.00	3488.97
MW - 1	06/20/02	3510.90	-	22.02	0.00	3488.88
MW - 1	09/26/02	3510.90	-	22.62	0.00	3488.28
MW - 1	11/12/02	3510.90	-	22.33	0.00	3488.57
MW - 1	02/12/03	3510.90	-	21.95	0.00	3488.95
MW - 1	05/14/03	3510.90	-	22.07	0.00	3488.83
MW - 1	08/21/03	3510.90	-	23.07	0.00	3487.83
MW - 1	12/10/03	3510.90	-	23.04	0.00	3487.86
MW - 1	02/11/04	3510.90	-	22.94	0.00	3487.96
MW - 1	05/11/04	3510.90	-	21.24	0.00	3489.66
MW - 1	08/25/04	3510.90	-	22.22	0.00	3488.68
MW - 1	12/02/04	3510.90	-	21.55	0.00	3489.35
MW - 1	03/08/05	3510.90	-	20.78	0.00	3490.12
MW - 1	06/08/05	3510.90	-	20.30	0.00	3490.60
MW - 1	09/15/05	3510.90	-	20.71	0.00	3490.19
MW - 1	12/12/05	3510.90	-	20.48	0.00	3490.42
MW - 1	03/16/06	3510.90	-	20.38	0.00	3490.52
MW - 1	06/15/06	3510.90	-	20.98	0.00	3489.92
MW - 1	09/18/06	3510.90	-	20.68	0.00	3490.22
MW - 1	11/30/06	3510.90	-	20.72	0.00	3490.18
MW - 1	02/27/07	3510.90	-	20.46	0.00	3490.44
MW - 1	05/22/07	3510.90	-	20.24	0.00	3490.66
MW - 1	08/15/07	3510.90	-	21.09	0.00	3489.81
MW - 1	11/06/07	3510.90	-	20.81	0.00	3490.09
MW - 1	02/12/08	3510.90	-	25.64	0.00	3485.26
MW - 1	05/13/08	3510.90	-	20.56	0.00	3490.34
MW - 1	08/14/08	3510.90	-	21.51	0.00	3489.39
MW - 1	11/12/08	3510.90	-	20.88	0.00	3490.02
MW - 1	02/10/09	3510.90	-	20.73	0.00	3490.17
MW - 1	02/16/09	3510.90	-	18.71	0.00	3492.19
MW - 1	05/12/09	3510.90	-	20.72	0.00	3490.18
MW - 1	08/10/09	3510.90	-	21.50	0.00	3489.40
MW - 1	11/18/09	3510.90	-	21.60	0.00	3489.30
MW - 1	01/04/10	3510.90	-	21.41	0.00	3489.49
MW - 1	02/09/10	3510.90	-	21.33	0.00	3489.57
MW - 1	05/12/10	3510.90	-	20.91	0.00	3489.99
MW - 1	08/11/10	3510.90	-	20.90	0.00	3490.00
MW - 1	11/11/10	3510.90	-	21.62	0.00	3489.28
MW - 1	02/16/11	3510.90	-	21.62	0.00	3489.28
MW - 1	05/19/11	3510.90	-	21.83	0.00	3489.07
MW - 1	08/10/11	3510.90	-	21.84	0.00	3489.06
MW - 1	11/14/11	3510.90	-	21.70	0.00	3489.20
MW - 1	02/29/12	3510.90	-	21.34	0.00	3489.56
MW - 1	05/02/12	3510.90	-	21.29	0.00	3489.61
MW - 1	12/06/12	3510.90	-	21.62	0.00	3489.28

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	02/13/13	3510.90	-	21.49	0.00	3489.41
MW - 1	05/22/13	3510.90	-	21.35	0.00	3489.55
MW - 1	08/12/13	3510.90	-	21.78	0.00	3489.12
MW - 1	11/20/13	3510.90	-	21.77	0.00	3489.13
MW - 1	02/04/14	3511.93	-	21.58	0.00	3490.35
MW - 1	05/14/14	3511.93	-	22.44	0.00	3489.49
MW - 1	07/22/14	3511.93	-	22.20	0.00	3489.73
MW - 1	08/05/14	3511.93	-	22.27	0.00	3489.66
MW - 1	10/27/14	3511.93	-	21.16	0.00	3490.77
MW - 1	11/19/14	3511.93	-	21.09	0.00	3490.84
MW - 1	02/09/15	3511.93	-	20.98	0.00	3490.95
MW - 1	03/20/15	3511.93	-	20.95	0.00	3490.98
MW - 1	04/04/15	3511.93	-	20.90	0.00	3491.03
MW - 1	05/27/15	3511.93	-	20.77	0.00	3491.16
MW - 1	07/09/15	3511.93	-	20.97	0.00	3490.96
MW - 1	08/03/15	3511.93	-	21.29	0.00	3490.64
MW - 1	09/24/15	3511.93	-	21.49	0.00	3490.44
MW - 1	11/18/15	3511.93	-	21.03	0.00	3490.90
MW - 1	01/08/16	3511.93	-	20.89	0.00	3491.04
MW - 1	02/23/16	3511.93	-	20.79	0.00	3491.14
MW - 1	04/08/16	3511.93	-	20.67	0.00	3491.26
MW - 1	06/06/16	3511.93	-	20.86	0.00	3491.07
MW - 1	06/28/16	3511.93	-	21.18	0.00	3490.75
MW - 1	07/27/16	3511.93	-	21.55	0.00	3490.38
MW - 1	08/03/16	3511.93	-	21.57	0.00	3490.36
MW - 1	09/27/16	3511.93	-	20.62	0.00	3491.31
MW - 1	10/21/16	3511.93	-	20.47	0.00	3491.46
MW - 1	11/08/16	3511.93	-	20.44	0.00	3491.49
MW - 1	01/26/17	3511.93	-	20.42	0.00	3491.51
MW - 1	02/28/17	3511.93	-	20.40	0.00	3491.53
MW - 1	03/15/17	3511.93	-	20.37	0.00	3491.56
MW - 1	05/23/17	3511.93	-	20.41	0.00	3491.52
MW - 1	07/20/17	3511.93	-	21.06	0.00	3490.87
MW - 1	08/16/17	3511.93	-	20.87	0.00	3491.06
MW - 1	09/13/17	3511.93	-	21.01	0.00	3490.92
MW - 1	10/12/17	3511.93	-	20.63	0.00	3491.30
MW - 1	11/13/17	3511.93	-	20.56	0.00	3491.37
MW - 1	02/07/18	3511.93	Well too bent to get reading			-
MW - 1	03/29/18	3511.93	Well too bent to get reading			-
MW - 1	05/21/18	3511.93	Well too bent to get reading			-
MW - 1	06/18/18	3511.93	Well too bent to get reading			-
MW - 1	07/11/18	3511.93	Well too bent to get reading			-
MW - 1	08/08/18	3511.93	Well too bent to get reading			-
MW - 1	09/12/18	3511.93	-	21.96	0.00	3489.97
MW - 1	11/12/18	3511.93	-	21.64	0.00	3490.29
MW - 1	01/09/19	3511.93	-	21.45	0.00	3490.48
MW - 1	02/12/19	3511.93	-	21.38	0.00	3490.55
MW - 1	03/12/19	3511.93	-	21.34	0.00	3490.59
MW - 1	04/01/19	3511.93	-	21.23	0.00	3490.70
MW - 1	05/07/19	3511.93	-	21.18	0.00	3490.75
MW - 1	06/14/19	3511.93	-	21.48	0.00	3490.45
MW - 1	07/11/19	3511.93	-	21.81	0.00	3490.12
MW - 1	08/07/19	3511.93	-	22.06	0.00	3489.87
MW - 1	09/12/19	3511.93	-	22.20	0.00	3489.73

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	10/15/19	3511.93	-	21.99	0.00	3489.94
MW - 1	11/06/19	3511.93	-	21.85	0.00	3490.08
MW - 1	12/17/19	3511.93	-	21.62	0.00	3490.31
MW - 1	01/06/20	3511.93	-	21.57	0.00	3490.36
MW - 1	03/04/20	3511.93	-	21.43	0.00	3490.50
MW - 1	05/14/20	3511.93	-	21.24	0.00	3490.69
MW - 1	06/17/20	3511.93	-	21.81	0.00	3490.12
MW - 1	07/21/20	3511.93	-	22.14	0.00	3489.79
MW - 1	08/12/20	3511.93	-	22.23	0.00	3489.70
MW - 1	09/14/20	3511.93	-	22.35	0.00	3489.58
MW - 1	12/09/20	3511.93	-	22.38	0.00	3489.55
MW - 1	01/12/21	3511.93	-	22.30	0.00	3489.63
MW - 1	02/10/21	3511.93	-	22.21	0.00	3489.72
MW - 1	04/21/21	3511.93	-	22.09	0.00	3489.84
MW - 1	06/09/21	3511.93	-	22.14	0.00	3489.79
MW - 1	09/22/21	3511.93	-	22.54	0.00	3489.39
MW - 1	10/14/21	3511.93	-	22.55	0.00	3489.38
MW - 1	12/06/21	3511.93	-	22.52	0.00	3489.41
MW - 1	03/14/22	3511.93	-	22.41	0.00	3489.52
MW - 1	04/20/22	3511.93	-	22.34	0.00	3489.59
MW - 1	05/10/22	3511.93	-	22.47	0.00	3489.46
MW - 1	08/16/22	3511.93	-	23.09	0.00	3488.84
MW - 1	11/09/22	3511.93	-	22.71	0.00	3489.22
MW - 2	03/03/00	3509.23	-	21.35	0.00	3487.88
MW - 2	04/11/00	3509.23	-	21.31	0.00	3487.92
MW - 2	09/01/00	3509.23	-	22.23	0.00	3487.00
MW - 2	11/21/00	3509.23	-	22.05	0.00	3487.18
MW - 2	02/22/01	3509.23	-	21.52	0.00	3487.71
MW - 2	05/17/01	3509.23	-	21.30	0.00	3487.93
MW - 2	08/08/01	3509.23	-	22.21	0.00	3487.02
MW - 2	10/24/01	3509.23	-	21.54	0.00	3487.69
MW - 2	03/27/02	3509.23	-	21.15	0.00	3488.08
MW - 2	05/14/02	3509.23	-	20.92	0.00	3488.31
MW - 2	06/20/02	3509.23	-	21.04	0.00	3488.19
MW - 2	09/26/02	3509.23	-	21.44	0.00	3487.79
MW - 2	11/12/02	3509.23	-	21.37	0.00	3487.86
MW - 2	02/12/03	3509.23	-	20.95	0.00	3488.28
MW - 2	05/14/03	3509.23	-	21.15	0.00	3488.08
MW - 2	08/21/03	3509.23	-	21.89	0.00	3487.34
MW - 2	12/10/03	3509.23	-	21.83	0.00	3487.40
MW - 2	02/11/04	3509.23	-	21.91	0.00	3487.32
MW - 2	05/11/04	3509.23	-	20.69	0.00	3488.54
MW - 2	08/25/04	3509.23	-	21.12	0.00	3488.11
MW - 2	12/02/04	3509.23	-	20.40	0.00	3488.83
MW - 2	03/08/05	3509.23	-	19.83	0.00	3489.40
MW - 2	06/08/05	3509.23	-	19.36	0.00	3489.87
MW - 2	09/15/05	3509.23	-	19.60	0.00	3489.63
MW - 2	12/07/05	3509.23	24.81	24.82	0.01	3484.42
MW - 2	12/12/05	3509.23	-	19.43	0.00	3489.80
MW - 2	03/16/06	3509.23	-	19.37	0.00	3489.86
MW - 2	06/15/06	3509.23	-	19.80	0.00	3489.43
MW - 2	09/18/06	3509.23	-	19.57	0.00	3489.66
MW - 2	11/30/06	3509.23	-	19.55	0.00	3489.68

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	02/27/07	3509.23	-	19.41	0.00	3489.82
MW - 2	05/22/07	3509.23	-	19.23	0.00	3490.00
MW - 2	08/15/07	3509.23	-	19.88	0.00	3489.35
MW - 2	11/06/07	3509.23	-	19.73	0.00	3489.50
MW - 2	02/12/08	3509.23	-	19.52	0.00	3489.71
MW - 2	05/13/08	3509.23	-	19.50	0.00	3489.73
MW - 2	08/14/08	3509.23	-	20.26	0.00	3488.97
MW - 2	11/12/08	3509.23	-	19.80	0.00	3489.43
MW - 2	02/10/09	3509.23	-	19.65	0.00	3489.58
MW - 2	05/12/09	3509.23	-	19.58	0.00	3489.65
MW - 2	08/10/09	3509.23	-	20.24	0.00	3488.99
MW - 2	11/18/09	3509.23	-	20.48	0.00	3488.75
MW - 2	01/04/10	3509.23	-	20.34	0.00	3488.89
MW - 2	02/09/10	3509.23	-	20.25	0.00	3488.98
MW - 2	05/12/10	3509.23	-	19.86	0.00	3489.37
MW - 2	08/11/10	3509.23	-	19.88	0.00	3489.35
MW - 2	11/11/10	3509.23	-	20.50	0.00	3488.73
MW - 2	02/16/11	3509.23	-	20.51	0.00	3488.72
MW - 2	05/19/11	3509.23	-	20.50	0.00	3488.73
MW - 2	08/10/11	3509.23	-	20.53	0.00	3488.70
MW - 2	11/14/11	3509.23	-	20.55	0.00	3488.68
MW - 2	02/29/12	3509.23	-	20.24	0.00	3488.99
MW - 2	05/02/12	3509.23	-	20.15	0.00	3489.08
MW - 2	12/06/12	3509.23	-	20.43	0.00	3488.80
MW - 2	02/13/13	3509.23	-	20.31	0.00	3488.92
MW - 2	05/22/13	3509.23	-	20.15	0.00	3489.08
MW - 2	08/12/13	3509.23	-	20.52	0.00	3488.71
MW - 2	11/20/13	3509.23	-	20.59	0.00	3488.64
MW - 2	02/04/14	3510.19	-	20.40	0.00	3489.79
MW - 2	05/14/14	3510.19	-	20.25	0.00	3489.94
MW - 2	05/22/14	3510.19	-	20.86	0.00	3489.33
MW - 2	07/22/14	3510.19	-	20.86	0.00	3489.33
MW - 2	08/05/14	3510.19	-	20.94	0.00	3489.25
MW - 2	10/27/14	3510.19	-	19.84	0.00	3490.35
MW - 2	11/19/14	3510.19	-	19.78	0.00	3490.41
MW - 2	02/09/15	3510.19	-	19.77	0.00	3490.42
MW - 2	03/16/15	3510.19	-	26.45	0.00	3483.74
MW - 2	03/20/15	3510.19	-	19.75	0.00	3490.44
MW - 2	04/04/15	3510.19	-	19.73	0.00	3490.46
MW - 2	05/27/15	3510.19	-	19.59	0.00	3490.60
MW - 2	07/09/15	3510.19	-	19.63	0.00	3490.56
MW - 2	08/03/15	3510.19	-	19.92	0.00	3490.27
MW - 2	09/24/15	3510.19	-	20.16	0.00	3490.03
MW - 2	11/18/15	3510.19	-	19.79	0.00	3490.40
MW - 2	01/08/16	3510.19	-	19.67	0.00	3490.52
MW - 2	02/23/16	3510.19	-	19.60	0.00	3490.59
MW - 2	04/08/16	3510.19	-	19.49	0.00	3490.70
MW - 2	06/06/16	3510.19	-	19.55	0.00	3490.64
MW - 2	06/28/16	3510.19	-	19.78	0.00	3490.41
MW - 2	07/27/16	3510.19	-	20.10	0.00	3490.09
MW - 2	08/03/16	3510.19	-	20.15	0.00	3490.04
MW - 2	09/27/16	3510.19	-	19.25	0.00	3490.94
MW - 2	10/21/16	3510.19	-	19.09	0.00	3491.10
MW - 2	11/08/16	3510.19	-	19.11	0.00	3491.08

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 2	01/26/17	3510.19	-	19.17	0.00	3491.02
MW - 2	02/28/17	3510.19	-	19.15	0.00	3491.04
MW - 2	03/15/17	3510.19	-	19.12	0.00	3491.07
MW - 2	05/23/17	3510.19	-	19.12	0.00	3491.07
MW - 2	07/20/17	3510.19	-	19.66	0.00	3490.53
MW - 2	08/16/17	3510.19	-	19.59	0.00	3490.60
MW - 2	09/13/17	3510.19	-	19.70	0.00	3490.49
MW - 2	10/12/17	3510.19	-	19.37	0.00	3490.82
MW - 2	11/14/17	3510.19	-	19.28	0.00	3490.91
MW - 2	12/20/17	3510.19	-	19.21	0.00	3490.98
MW - 2	01/09/18	3510.19	-	19.18	0.00	3491.01
MW - 2	02/07/18	3510.19	-	19.18	0.00	3491.01
MW - 2	03/29/18	3510.19	-	19.12	0.00	3491.07
MW - 2	04/16/18	3510.19	-	19.08	0.00	3491.11
MW - 2	05/21/18	3510.19	-	19.27	0.00	3490.92
MW - 2	06/18/18	3510.19	-	19.55	0.00	3490.64
MW - 2	07/11/18	3510.19	-	19.73	0.00	3490.46
MW - 2	08/08/18	3510.19	-	19.92	0.00	3490.27
MW - 2	09/12/18	3510.19	-	20.03	0.00	3490.16
MW - 2	11/12/18	3510.19	-	19.71	0.00	3490.48
MW - 2	01/09/19	3510.19	-	19.53	0.00	3490.66
MW - 2	02/12/19	3510.19	-	19.48	0.00	3490.71
MW - 2	03/12/19	3510.19	-	19.42	0.00	3490.77
MW - 2	04/01/19	3510.19	-	19.36	0.00	3490.83
MW - 2	05/07/19	3510.19	-	19.28	0.00	3490.91
MW - 2	06/14/19	3510.19	-	19.50	0.00	3490.69
MW - 2	07/11/19	3510.19	-	19.80	0.00	3490.39
MW - 2	08/07/19	3510.19	-	20.00	0.00	3490.19
MW - 2	09/12/19	3510.19	-	20.16	0.00	3490.03
MW - 2	10/15/19	3510.19	-	19.96	0.00	3490.23
MW - 2	11/06/19	3510.19	-	19.89	0.00	3490.30
MW - 2	12/17/19	3510.19	-	19.70	0.00	3490.49
MW - 2	01/06/20	3510.19	-	19.65	0.00	3490.54
MW - 2	03/04/20	3510.19	-	19.55	0.00	3490.64
MW - 2	05/14/20	3510.19	-	19.30	0.00	3490.89
MW - 2	06/17/20	3510.19	-	19.73	0.00	3490.46
MW - 2	07/21/20	3510.19	-	20.05	0.00	3490.14
MW - 2	08/12/20	3510.19	-	20.17	0.00	3490.02
MW - 2	09/14/20	3510.19	-	20.32	0.00	3489.87
MW - 2	12/09/20	3510.19	-	20.44	0.00	3489.75
MW - 2	01/13/21	3510.19	-	20.39	0.00	3489.80
MW - 2	02/10/21	3510.19	-	20.32	0.00	3489.87
MW - 2	04/21/21	3510.19	-	20.20	0.00	3489.99
MW - 2	06/09/21	3510.19	-	20.20	0.00	3489.99
MW - 2	09/22/21	3510.19	-	20.05	0.00	3490.14
MW - 2	10/14/21	3510.19	-	20.54	0.00	3489.65
MW - 2	12/06/21	3510.19	-	20.61	0.00	3489.58
MW - 2	03/14/22	3510.19	-	20.52	0.00	3489.67
MW - 2	04/20/22	3510.19	-	20.46	0.00	3489.73
MW - 2	05/10/22	3510.19	-	20.51	0.00	3489.68
MW - 2	08/16/22	3510.19	-	21.00	0.00	3489.19
MW - 2	11/10/22	3510.19	-	20.81	0.00	3489.38
MW - 3	03/03/00	3508.82	-	20.95	0.00	3487.87

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	04/11/00	3508.82	-	20.91	0.00	3487.91
MW - 3	09/01/00	3508.82	-	21.80	0.00	3487.02
MW - 3	11/21/00	3508.82	-	21.65	0.00	3487.17
MW - 3	02/22/01	3508.82	-	21.14	0.00	3487.68
MW - 3	05/17/01	3508.82	-	20.87	0.00	3487.95
MW - 3	08/08/01	3508.82	-	21.72	0.00	3487.10
MW - 3	10/24/01	3508.82	-	21.18	0.00	3487.64
MW - 3	03/27/02	3508.82	-	20.81	0.00	3488.01
MW - 3	05/14/02	3508.82	-	20.66	0.00	3488.16
MW - 3	06/20/02	3508.82	-	20.60	0.00	3488.22
MW - 3	09/26/02	3508.82	-	21.04	0.00	3487.78
MW - 3	11/12/02	3508.82	-	20.93	0.00	3487.89
MW - 3	02/12/03	3508.82	-	20.56	0.00	3488.26
MW - 3	05/14/03	3508.82	-	20.69	0.00	3488.13
MW - 3	08/21/03	3508.82	-	21.46	0.00	3487.36
MW - 3	12/10/03	3508.82	-	21.44	0.00	3487.38
MW - 3	02/11/04	3508.82	-	21.51	0.00	3487.31
MW - 3	05/11/04	3508.82	-	20.28	0.00	3488.54
MW - 3	08/25/04	3508.82	-	20.68	0.00	3488.14
MW - 3	12/02/04	3508.82	-	20.01	0.00	3488.81
MW - 3	03/08/05	3508.82	-	19.40	0.00	3489.42
MW - 3	06/08/05	3508.82	-	18.91	0.00	3489.91
MW - 3	09/15/05	3508.82	-	19.15	0.00	3489.67
MW - 3	12/12/05	3508.82	-	18.96	0.00	3489.86
MW - 3	03/16/06	3508.82	-	18.93	0.00	3489.89
MW - 3	06/15/06	3508.82	-	19.38	0.00	3489.44
MW - 3	09/18/06	3508.82	-	19.16	0.00	3489.66
MW - 3	11/30/06	3508.82	-	19.15	0.00	3489.67
MW - 3	02/27/07	3508.82	-	18.98	0.00	3489.84
MW - 3	05/22/07	3508.82	-	18.79	0.00	3490.03
MW - 3	08/15/07	3508.82	-	19.48	0.00	3489.34
MW - 3	11/06/07	3508.82	-	19.29	0.00	3489.53
MW - 3	02/12/08	3508.82	-	19.14	0.00	3489.68
MW - 3	05/13/08	3508.82	-	19.12	0.00	3489.70
MW - 3	08/14/08	3508.82	-	19.87	0.00	3488.95
MW - 3	11/12/08	3508.82	-	19.40	0.00	3489.42
MW - 3	12/22/08	3508.82	-	18.57	0.00	3490.25
MW - 3	02/10/09	3508.82	-	19.27	0.00	3489.55
MW - 3	05/12/09	3508.82	-	19.26	0.00	3489.56
MW - 3	08/10/09	3508.82	-	19.89	0.00	3488.93
MW - 3	11/18/09	3508.82	-	20.10	0.00	3488.72
MW - 3	01/04/10	3508.82	-	20.03	0.00	3488.79
MW - 3	02/09/10	3508.82	-	19.91	0.00	3488.91
MW - 3	05/12/10	3508.82	-	19.46	0.00	3489.36
MW - 3	08/11/10	3508.82	-	19.45	0.00	3489.37
MW - 3	11/11/10	3508.82	-	20.10	0.00	3488.72
MW - 3	02/16/11	3508.82	-	20.09	0.00	3488.73
MW - 3	05/19/11	3508.82	-	20.11	0.00	3488.71
MW - 3	08/10/11	3508.82	-	20.20	0.00	3488.62
MW - 3	11/14/11	3508.82	-	20.22	0.00	3488.60
MW - 3	02/29/12	3508.82	-	19.94	0.00	3488.88
MW - 3	05/02/12	3508.82	-	19.84	0.00	3488.98
MW - 3	12/06/12	3508.82	-	20.21	0.00	3488.61
MW - 3	02/13/13	3508.82	-	20.09	0.00	3488.73

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	05/22/13	3508.82	-	19.93	0.00	3488.89
MW - 3	08/12/13	3508.82	-	20.28	0.00	3488.54
MW - 3	11/20/13	3508.82	-	20.35	0.00	3488.47
MW - 3	02/04/14	3509.87	-	20.17	0.00	3489.70
MW - 3	05/14/14	3509.87	-	20.02	0.00	3489.85
MW - 3	07/22/14	3509.87	-	20.60	0.00	3489.27
MW - 3	08/05/14	3509.87	-	20.65	0.00	3489.22
MW - 3	10/27/14	3509.87	-	19.56	0.00	3490.31
MW - 3	11/19/14	3509.87	-	19.55	0.00	3490.32
MW - 3	02/09/15	3509.87	-	19.53	0.00	3490.34
MW - 3	03/20/15	3509.87	-	19.51	0.00	3490.36
MW - 3	04/04/15	3509.87	-	19.51	0.00	3490.36
MW - 3	05/27/15	3509.87	-	19.37	0.00	3490.50
MW - 3	07/09/15	3509.87	-	18.97	0.00	3490.90
MW - 3	08/03/15	3509.87	-	19.68	0.00	3490.19
MW - 3	09/24/15	3509.87	-	19.90	0.00	3489.97
MW - 3	11/18/15	3509.87	-	19.57	0.00	3490.30
MW - 3	01/08/16	3509.87	-	19.44	0.00	3490.43
MW - 3	02/23/16	3509.87	-	19.38	0.00	3490.49
MW - 3	04/08/16	3509.87	-	19.29	0.00	3490.58
MW - 3	06/06/16	3509.87	-	19.32	0.00	3490.55
MW - 3	06/28/16	3509.87	-	19.56	0.00	3490.31
MW - 3	07/27/16	3509.87	-	19.87	0.00	3490.00
MW - 3	08/03/16	3509.87	-	19.89	0.00	3489.98
MW - 3	09/27/16	3509.87	-	18.83	0.00	3491.04
MW - 3	10/21/16	3509.87	-	18.84	0.00	3491.03
MW - 3	11/08/16	3509.87	-	18.89	0.00	3490.98
MW - 3	01/26/17	3509.87	-	18.96	0.00	3490.91
MW - 3	02/28/17	3509.87	-	18.95	0.00	3490.92
MW - 3	03/15/17	3509.87	-	18.93	0.00	3490.94
MW - 3	05/23/17	3509.87	-	18.92	0.00	3490.95
MW - 3	07/20/17	3509.87	-	19.45	0.00	3490.42
MW - 3	08/16/17	3509.87	-	19.40	0.00	3490.47
MW - 3	09/13/17	3509.87	-	19.21	0.00	3490.66
MW - 3	10/12/17	3509.87	-	19.17	0.00	3490.70
MW - 3	11/14/17	3509.87	-	19.08	0.00	3490.79
MW - 3	12/20/17	3509.87	-	19.01	0.00	3490.86
MW - 3	01/09/18	3509.87	-	18.97	0.00	3490.90
MW - 3	02/07/18	3509.87	-	18.96	0.00	3490.91
MW - 3	02/22/18	3509.87	-	21.23	0.00	3488.64
MW - 3	03/29/18	3509.87	-	18.92	0.00	3490.95
MW - 3	04/16/18	3509.87	-	18.89	0.00	3490.98
MW - 3	05/21/18	3509.87	-	19.08	0.00	3490.79
MW - 3	06/18/18	3509.87	-	19.13	0.00	3490.74
MW - 3	07/11/18	3509.87	-	19.54	0.00	3490.33
MW - 3	08/08/18	3509.87	-	19.72	0.00	3490.15
MW - 3	09/12/18	3509.87	-	19.83	0.00	3490.04
MW - 3	11/12/18	3509.87	-	19.52	0.00	3490.35
MW - 3	01/09/19	3509.87	-	19.33	0.00	3490.54
MW - 3	02/12/19	3509.87	-	19.30	0.00	3490.57
MW - 3	03/12/19	3509.87	-	19.21	0.00	3490.66
MW - 3	04/01/19	3509.87	-	19.18	0.00	3490.69
MW - 3	05/07/19	3509.87	-	19.08	0.00	3490.79
MW - 3	06/14/19	3509.87	-	19.32	0.00	3490.55



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 3	07/11/19	3509.87	-	19.62	0.00	3490.25
MW - 3	08/07/19	3509.87	-	19.80	0.00	3490.07
MW - 3	09/12/19	3509.87	-	19.95	0.00	3489.92
MW - 3	10/15/19	3509.87	-	19.83	0.00	3490.04
MW - 3	11/06/19	3509.87	-	19.71	0.00	3490.16
MW - 3	12/17/19	3509.87	-	19.51	0.00	3490.36
MW - 3	01/06/20	3509.87	-	19.45	0.00	3490.42
MW - 3	03/04/20	3509.87	-	19.36	0.00	3490.51
MW - 3	05/14/20	3509.87	-	19.13	0.00	3490.74
MW - 3	06/17/20	3509.87	-	19.55	0.00	3490.32
MW - 3	07/21/20	3509.87	-	19.84	0.00	3490.03
MW - 3	08/12/20	3509.87	-	19.97	0.00	3489.90
MW - 3	09/14/20	3509.87	-	20.09	0.00	3489.78
MW - 3	12/09/20	3509.87	-	20.23	0.00	3489.64
MW - 3	01/13/21	3509.87	-	20.17	0.00	3489.70
MW - 3	02/10/21	3509.87	-	20.12	0.00	3489.75
MW - 3	04/21/21	3509.87	-	20.02	0.00	3489.85
MW - 3	06/09/21	3509.87	-	20.01	0.00	3489.86
MW - 3	09/22/21	3509.87	-	20.29	0.00	3489.58
MW - 3	10/14/21	3509.87	-	20.32	0.00	3489.55
MW - 3	12/06/21	3509.87	-	20.39	0.00	3489.48
MW - 3	03/14/22	3509.87	-	20.30	0.00	3489.57
MW - 3	04/20/22	3509.87	-	20.27	0.00	3489.60
MW - 3	05/10/22	3509.87	-	20.36	0.00	3489.51
MW - 3	08/16/22	3509.87	-	20.74	0.00	3489.13
MW - 3	11/10/22	3509.87	-	20.62	0.00	3489.25
MW - 4	03/03/00	3509.15	20.71	22.10	1.39	3488.23
MW - 4	04/11/00	3509.15	20.71	22.10	1.39	3488.23
MW - 4	09/01/00	3509.15	21.81	21.95	0.14	3487.32
MW - 4	11/21/00	3509.15	21.51	22.42	0.91	3487.50
MW - 4	02/22/01	3509.15	20.99	22.55	1.56	3487.93
MW - 4	05/17/01	3509.15	20.70	22.89	2.19	3488.12
MW - 4	08/08/01	3509.15	21.54	23.64	2.10	3487.30
MW - 4	10/24/01	3509.15	21.02	22.83	1.81	3487.86
MW - 4	03/27/02	3509.15	20.50	23.72	3.22	3488.17
MW - 4	05/14/02	3509.15	20.48	20.97	0.49	3488.60
MW - 4	06/20/02	3509.15	20.51	21.13	0.62	3488.55
MW - 4	09/26/02	3509.15	20.82	22.61	1.79	3488.06
MW - 4	11/12/02	3509.15	19.97	20.06	0.09	3489.17
MW - 4	01/07/03	3509.15	-	20.20	0.00	3488.95
MW - 4	01/27/03	3509.15	20.39	22.40	2.01	3488.46
MW - 4	02/26/03	3509.15	19.26	22.56	3.30	3489.40
MW - 4	03/11/03	3509.15	20.31	22.42	2.11	3488.52
MW - 4	03/19/03	3509.15	20.32	22.45	2.13	3488.51
MW - 4	03/25/03	3509.15	20.28	22.54	2.26	3488.53
MW - 4	04/16/03	3509.15	20.22	22.33	2.11	3488.61
MW - 4	04/23/03	3509.15	20.21	22.54	2.33	3488.59
MW - 4	04/29/03	3509.15	20.23	22.53	2.30	3488.58
MW - 4	05/14/03	3509.15	20.40	22.55	2.15	3488.43
MW - 4	05/20/03	3509.15	20.69	22.58	1.89	3488.18
MW - 4	05/27/03	3509.15	20.75	22.74	1.99	3488.10
MW - 4	06/04/03	3509.15	20.75	21.18	0.43	3488.34
MW - 4	06/26/03	3509.15	20.31	21.97	1.66	3488.59

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	07/07/03	3509.15	21.11	22.60	1.49	3487.82
MW - 4	07/30/03	3509.15	21.26	21.85	0.59	3487.80
MW - 4	08/06/03	3509.15	19.89	20.49	0.60	3489.17
MW - 4	08/21/03	3509.15	21.68	22.19	0.51	3487.39
MW - 4	08/26/03	3509.15	21.77	22.20	0.43	3487.32
MW - 4	09/08/03	3509.15	21.61	22.02	0.41	3487.48
MW - 4	09/15/03	3509.15	21.59	21.97	0.38	3487.50
MW - 4	09/24/03	3509.15	21.86	22.31	0.45	3487.22
MW - 4	10/02/03	3509.15	21.70	22.62	0.92	3487.31
MW - 4	10/08/03	3509.15	21.60	22.50	0.90	3487.42
MW - 4	10/16/03	3509.15	21.89	22.97	1.08	3487.10
MW - 4	10/28/03	3509.15	21.93	23.07	1.14	3487.05
MW - 4	11/11/03	3509.15	21.98	22.67	0.69	3487.07
MW - 4	11/18/03	3509.15	21.68	22.81	1.13	3487.30
MW - 4	12/10/03	3509.15	21.63	22.24	0.61	3487.43
MW - 4	02/02/04	3509.15	21.82	23.27	1.45	3487.11
MW - 4	02/26/04	3509.15	21.44	22.77	1.33	3487.51
MW - 4	03/16/04	3509.15	21.62	23.23	1.61	3487.29
MW - 4	03/19/04	3509.15	21.56	23.17	1.61	3487.35
MW - 4	03/25/04	3509.15	21.60	23.18	1.58	3487.31
MW - 4	04/01/04	3509.15	21.53	23.20	1.67	3487.37
MW - 4	04/08/04	3509.15	20.90	23.10	2.20	3487.92
MW - 4	04/14/04	3509.15	20.79	23.70	2.91	3487.92
MW - 4	04/16/04	3509.15	20.89	23.39	2.50	3487.89
MW - 4	04/22/04	3509.15	20.08	22.30	2.22	3488.74
MW - 4	04/29/04	3509.15	20.07	22.50	2.43	3488.72
MW - 4	05/11/04	3509.15	19.98	22.64	2.66	3488.77
MW - 4	06/08/04	3509.15	20.12	23.02	2.90	3488.60
MW - 4	06/17/04	3509.15	20.08	23.07	2.99	3488.62
MW - 4	06/22/04	3509.15	20.12	23.04	2.92	3488.59
MW - 4	06/29/04	3509.15	20.08	23.00	2.92	3488.63
MW - 4	07/06/04	3509.15	20.11	23.00	2.89	3488.61
MW - 4	07/13/04	3509.15	20.17	23.04	2.87	3488.55
MW - 4	07/20/04	3509.15	20.32	23.13	2.81	3488.41
MW - 4	08/04/04	3509.15	20.35	23.10	2.75	3488.39
MW - 4	08/10/04	3509.15	20.37	23.08	2.71	3488.37
MW - 4	08/16/04	3509.15	20.53	23.12	2.59	3488.23
MW - 4	08/23/04	3509.15	20.45	22.65	2.20	3488.37
MW - 4	08/25/04	3509.15	20.50	22.16	1.66	3488.40
MW - 4	08/26/04	3509.15	20.48	22.40	1.92	3488.38
MW - 4	08/31/04	3509.15	20.56	22.73	2.17	3488.26
MW - 4	09/13/04	3509.15	20.66	22.65	1.99	3488.19
MW - 4	09/20/04	3509.15	20.72	22.58	1.86	3488.15
MW - 4	09/30/04	3509.15	20.89	22.32	1.43	3488.05
MW - 4	10/04/04	3509.15	20.19	20.42	0.23	3488.93
MW - 4	10/11/04	3509.15	19.87	21.85	1.98	3488.98
MW - 4	10/18/04	3509.15	19.86	21.60	1.74	3489.03
MW - 4	10/26/04	3509.15	19.96	21.00	1.04	3489.03
MW - 4	11/02/04	3509.15	19.85	22.00	2.15	3488.98
MW - 4	11/08/04	3509.15	19.80	21.72	1.92	3489.06
MW - 4	11/15/04	3509.15	19.73	23.65	3.92	3488.83
MW - 4	12/01/04	3509.15	19.71	22.09	2.38	3489.08
MW - 4	12/02/04	3509.15	19.71	22.09	2.38	3489.08
MW - 4	12/14/04	3509.15	19.63	22.09	2.46	3489.15

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	12/21/04	3509.15	19.54	22.25	2.71	3489.20
MW - 4	12/29/04	3509.15	19.44	22.39	2.95	3489.27
MW - 4	01/11/05	3509.15	19.40	22.07	2.67	3489.35
MW - 4	01/14/05	3509.15	19.54	21.06	1.52	3489.38
MW - 4	01/18/05	3509.15	19.45	21.37	1.92	3489.41
MW - 4	01/21/05	3509.15	19.53	20.53	1.00	3489.47
MW - 4	01/25/05	3509.15	19.45	21.00	1.55	3489.47
MW - 4	01/28/05	3509.15	19.43	20.95	1.52	3489.49
MW - 4	02/02/05	3509.15	19.34	21.30	1.96	3489.52
MW - 4	02/05/05	3509.15	19.43	20.95	1.52	3489.49
MW - 4	02/08/05	3509.15	19.29	21.39	2.10	3489.55
MW - 4	02/11/05	3509.15	19.54	19.96	0.42	3489.55
MW - 4	02/15/05	3509.15	19.32	20.70	1.38	3489.62
MW - 4	02/18/05	3509.15	19.36	20.25	0.89	3489.66
MW - 4	02/22/05	3509.15	19.28	20.78	1.50	3489.65
MW - 4	02/25/05	3509.15	19.39	20.00	0.61	3489.67
MW - 4	03/01/05	3509.15	19.26	20.31	1.05	3489.73
MW - 4	03/04/05	3509.15	19.31	20.00	0.69	3489.74
MW - 4	03/08/05	3509.15	19.31	20.21	0.90	3489.71
MW - 4	03/08/05	3509.15	19.31	20.21	0.90	3489.71
MW - 4	03/11/05	3509.15	19.29	19.95	0.66	3489.76
MW - 4	03/15/05	3509.15	19.20	20.10	0.90	3489.82
MW - 4	03/18/05	3509.15	19.19	20.26	1.07	3489.80
MW - 4	03/22/05	3509.15	19.14	20.10	0.96	3489.87
MW - 4	03/28/05	3509.15	19.09	20.04	0.95	3489.92
MW - 4	04/01/05	3509.15	19.11	20.01	0.90	3489.91
MW - 4	04/05/05	3509.15	19.12	19.74	0.62	3489.94
MW - 4	04/08/05	3509.15	19.06	19.78	0.72	3489.98
MW - 4	04/12/05	3509.15	19.04	19.92	0.88	3489.98
MW - 4	04/15/05	3509.15	19.09	19.79	0.70	3489.96
MW - 4	05/25/05	3509.15	18.84	19.56	0.72	3490.20
MW - 4	05/27/05	3509.15	18.80	19.51	0.71	3490.24
MW - 4	05/31/05	3509.15	18.80	19.50	0.70	3490.25
MW - 4	06/03/05	3509.15	18.80	19.47	0.67	3490.25
MW - 4	06/06/05	3509.15	18.88	19.20	0.32	3490.22
MW - 4	06/08/05	3509.15	18.88	19.20	0.32	3490.22
MW - 4	06/13/05	3509.15	18.78	19.41	0.63	3490.28
MW - 4	06/20/05	3509.15	19.06	19.50	0.44	3490.02
MW - 4	06/24/05	3509.15	18.81	19.49	0.68	3490.24
MW - 4	06/27/05	3509.15	18.81	19.92	1.11	3490.17
MW - 4	07/11/05	3509.15	18.89	20.78	1.89	3489.98
MW - 4	07/15/05	3509.15	19.11	19.60	0.49	3489.97
MW - 4	07/18/05	3509.15	19.10	20.21	1.11	3489.88
MW - 4	07/21/05	3509.15	19.24	19.69	0.45	3489.84
MW - 4	07/25/05	3509.15	19.13	20.70	1.57	3489.78
MW - 4	08/01/05	3509.15	19.21	20.30	1.09	3489.78
MW - 4	08/04/05	3509.15	19.28	20.03	0.75	3489.76
MW - 4	08/12/05	3509.15	19.22	21.01	1.79	3489.66
MW - 4	08/15/05	3509.15	19.14	21.18	2.04	3489.70
MW - 4	08/23/05	3509.15	18.86	21.90	3.04	3489.83
MW - 4	08/30/05	3509.15	18.81	21.80	2.99	3489.89
MW - 4	09/06/05	3509.15	18.80	21.11	2.31	3490.00
MW - 4	09/13/05	3509.15	18.79	21.45	2.66	3489.96
MW - 4	09/15/05	3509.15	18.92	20.55	1.63	3489.99

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	09/19/05	3509.15	18.87	21.18	2.31	3489.93
MW - 4	09/27/05	3509.15	18.94	20.77	1.83	3489.94
MW - 4	10/03/05	3509.15	19.10	19.70	0.60	3489.96
MW - 4	10/08/05	3509.15	18.91	19.32	0.41	3490.18
MW - 4	10/10/05	3509.15	19.00	19.70	0.70	3490.05
MW - 4	10/17/05	3509.15	19.05	19.53	0.48	3490.03
MW - 4	10/24/05	3509.15	18.98	19.50	0.52	3490.09
MW - 4	10/31/05	3509.15	18.89	19.88	0.99	3490.11
MW - 4	11/15/05	3509.15	18.92	19.86	0.94	3490.09
MW - 4	11/22/05	3509.15	18.88	19.90	1.02	3490.12
MW - 4	11/27/05	3509.15	18.82	20.38	1.56	3490.10
MW - 4	12/07/05	3509.15	18.83	19.91	1.08	3490.16
MW - 4	12/12/05	3509.15	18.82	20.01	1.19	3490.15
MW - 4	12/16/05	3509.15	18.80	20.10	1.30	3490.16
MW - 4	12/22/05	3509.15	18.88	20.01	1.13	3490.10
MW - 4	12/27/05	3509.15	18.85	19.40	0.55	3490.22
MW - 4	01/03/06	3509.15	18.89	19.37	0.48	3490.19
MW - 4	01/09/06	3509.15	18.89	19.68	0.79	3490.14
MW - 4	01/16/06	3509.15	18.86	19.40	0.54	3490.21
MW - 4	01/23/06	3509.15	18.89	19.39	0.50	3490.19
MW - 4	01/30/06	3509.15	18.85	19.40	0.55	3490.22
MW - 4	02/06/06	3509.15	18.83	19.69	0.86	3490.19
MW - 4	02/14/06	3509.15	18.80	19.27	0.47	3490.28
MW - 4	02/21/06	3509.15	18.83	19.33	0.50	3490.25
MW - 4	03/01/06	3509.15	18.86	19.31	0.45	3490.22
MW - 4	03/06/06	3509.15	18.85	19.36	0.51	3490.22
MW - 4	03/15/06	3509.15	18.81	19.20	0.39	3490.28
MW - 4	03/16/06	3509.15	18.84	19.24	0.40	3490.25
MW - 4	03/21/06	3509.15	18.85	19.31	0.46	3490.23
MW - 4	03/28/06	3509.15	18.89	19.28	0.39	3490.20
MW - 4	04/03/06	3509.15	18.76	19.24	0.48	3490.32
MW - 4	04/10/06	3509.15	18.74	19.34	0.60	3490.32
MW - 4	04/17/06	3509.15	18.74	19.23	0.49	3490.34
MW - 4	05/01/06	3509.15	18.75	19.22	0.47	3490.33
MW - 4	05/08/06	3509.15	18.77	19.26	0.49	3490.31
MW - 4	05/15/06	3509.15	18.85	19.18	0.33	3490.25
MW - 4	05/30/06	3509.15	18.92	21.02	2.10	3489.92
MW - 4	06/05/06	3509.15	19.19	19.61	0.42	3489.90
MW - 4	06/12/06	3509.15	19.31	19.65	0.34	3489.79
MW - 4	06/15/06	3509.15	19.31	19.96	0.65	3489.74
MW - 4	06/19/06	3509.15	19.37	20.41	1.04	3489.62
MW - 4	07/03/06	3509.15	19.45	20.49	1.04	3489.54
MW - 4	07/10/06	3509.15	19.45	20.60	1.15	3489.53
MW - 4	07/17/06	3509.15	19.19	21.08	1.89	3489.68
MW - 4	07/26/06	3509.15	19.30	21.00	1.70	3489.60
MW - 4	07/31/06	3509.15	19.44	20.78	1.34	3489.51
MW - 4	08/07/06	3509.15	19.44	20.88	1.44	3489.49
MW - 4	08/17/06	3509.15	19.32	21.27	1.95	3489.54
MW - 4	08/21/06	3509.15	19.31	20.65	1.34	3489.64
MW - 4	09/06/06	3509.15	19.12	19.58	0.46	3489.96
MW - 4	09/11/06	3509.15	19.12	19.48	0.36	3489.98
MW - 4	09/18/06	3509.15	19.09	19.16	0.07	3490.05
MW - 4	09/25/06	3509.15	19.05	19.55	0.50	3490.03
MW - 4	10/02/06	3509.15	19.02	19.52	0.50	3490.06

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	10/09/06	3509.15	19.12	19.41	0.29	3489.99
MW - 4	10/17/06	3509.15	19.05	19.94	0.89	3489.97
MW - 4	10/23/06	3509.15	19.11	19.29	0.18	3490.01
MW - 4	10/30/06	3509.15	19.10	19.27	0.17	3490.02
MW - 4	11/06/06	3509.15	19.09	19.74	0.65	3489.96
MW - 4	11/13/06	3509.15	19.11	19.19	0.08	3490.03
MW - 4	11/20/06	3509.15	19.10	19.28	0.18	3490.02
MW - 4	11/27/06	3509.15	19.09	19.18	0.09	3490.05
MW - 4	11/30/06	3509.15	19.10	19.20	0.10	3490.04
MW - 4	12/04/06	3509.15	19.11	19.28	0.17	3490.01
MW - 4	12/12/06	3509.15	19.12	19.24	0.12	3490.01
MW - 4	12/18/06	3509.15	19.03	19.28	0.25	3490.08
MW - 4	01/02/07	3509.15	19.03	19.32	0.29	3490.08
MW - 4	01/11/07	3509.15	18.97	19.46	0.49	3490.11
MW - 4	01/18/07	3509.15	19.00	19.30	0.30	3490.11
MW - 4	01/22/07	3509.15	18.98	19.30	0.32	3490.12
MW - 4	02/05/07	3509.15	18.88	19.41	0.53	3490.19
MW - 4	02/12/07	3509.15	18.93	19.29	0.36	3490.17
MW - 4	02/19/07	3509.15	18.92	19.11	0.19	3490.20
MW - 4	02/27/07	3509.15	18.91	19.32	0.41	3490.18
MW - 4	03/05/07	3509.15	18.93	19.28	0.35	3490.17
MW - 4	03/12/07	3509.15	18.94	19.04	0.10	3490.20
MW - 4	03/19/07	3509.15	18.93	19.14	0.21	3490.19
MW - 4	04/02/07	3509.15	18.84	19.28	0.44	3490.24
MW - 4	04/09/07	3509.15	18.31	19.36	1.05	3490.68
MW - 4	05/01/07	3509.15	18.78	19.08	0.30	3490.33
MW - 4	05/12/07	3509.15	18.82	19.08	0.26	3490.29
MW - 4	05/17/07	3509.15	18.69	19.00	0.31	3490.41
MW - 4	05/21/07	3509.15	18.68	18.92	0.24	3490.43
MW - 4	05/22/07	3509.15	18.68	18.92	0.24	3490.43
MW - 4	06/01/07	3509.15	18.68	18.85	0.17	3490.44
MW - 4	06/06/07	3509.15	18.69	18.90	0.21	3490.43
MW - 4	06/11/07	3509.15	18.74	19.51	0.77	3490.29
MW - 4	06/19/07	3509.15	18.85	19.26	0.41	3490.24
MW - 4	06/25/07	3509.15	18.95	19.29	0.34	3490.15
MW - 4	07/03/07	3509.15	19.07	19.44	0.37	3490.02
MW - 4	07/23/07	3509.15	19.23	20.31	1.08	3489.76
MW - 4	07/31/07	3509.15	19.39	19.76	0.37	3489.70
MW - 4	08/14/07	3509.15	19.37	20.45	1.08	3489.62
MW - 4	08/15/07	3509.15	19.48	19.69	0.21	3489.64
MW - 4	08/25/07	3509.15	19.46	20.48	1.02	3489.54
MW - 4	09/05/07	3509.15	19.50	20.93	1.43	3489.44
MW - 4	09/10/07	3509.15	19.53	20.35	0.82	3489.50
MW - 4	09/17/07	3509.15	19.31	19.59	0.28	3489.80
MW - 4	09/24/07	3509.15	19.22	19.46	0.24	3489.89
MW - 4	11/05/07	3509.15	19.22	19.57	0.35	3489.88
MW - 4	11/06/07	3509.15	19.31	19.46	0.15	3489.82
MW - 4	11/12/07	3509.15	19.22	19.41	0.19	3489.90
MW - 4	11/19/07	3509.15	19.21	19.48	0.27	3489.90
MW - 4	11/30/07	3509.15	19.22	19.61	0.39	3489.87
MW - 4	12/03/07	3509.15	19.23	19.34	0.11	3489.90
MW - 4	12/14/07	3509.15	19.18	19.20	0.02	3489.97
MW - 4	12/17/07	3509.15	19.19	19.23	0.04	3489.95
MW - 4	01/09/08	3509.15	19.13	19.35	0.22	3489.99

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	01/16/08	3509.15	19.16	19.50	0.34	3489.94
MW - 4	01/21/08	3509.15	19.14	19.43	0.29	3489.97
MW - 4	01/30/08	3509.15	19.09	19.23	0.14	3490.04
MW - 4	02/12/08	3509.15	19.11	19.54	0.43	3489.98
MW - 4	02/14/08	3509.15	19.10	19.27	0.17	3490.02
MW - 4	02/20/08	3509.15	sheen	19.09	0.00	3490.06
MW - 4	02/28/08	3509.15	19.08	19.23	0.15	3490.05
MW - 4	03/05/08	3509.15	19.10	19.24	0.14	3490.03
MW - 4	03/13/08	3509.15	19.07	19.21	0.14	3490.06
MW - 4	03/19/08	3509.15	19.11	19.14	0.03	3490.04
MW - 4	03/24/08	3509.15	19.07	19.15	0.08	3490.07
MW - 4	04/02/08	3509.15	19.08	19.13	0.05	3490.06
MW - 4	04/07/08	3509.15	19.08	19.09	0.01	3490.07
MW - 4	04/14/08	3509.15	19.06	19.13	0.07	3490.08
MW - 4	04/23/08	3509.15	19.05	19.11	0.06	3490.09
MW - 4	05/07/08	3509.15	19.04	19.19	0.15	3490.09
MW - 4	05/13/08	3509.15	19.04	19.19	0.15	3490.09
MW - 4	05/14/08	3509.15	19.05	19.09	0.04	3490.09
MW - 4	05/19/08	3509.15	19.09	19.12	0.03	3490.06
MW - 4	06/09/08	3509.15	19.36	19.56	0.20	3489.76
MW - 4	06/16/08	3509.15	19.08	19.18	0.10	3490.06
MW - 4	06/23/08	3509.15	19.54	20.22	0.68	3489.51
MW - 4	06/30/08	3509.15	19.64	20.02	0.38	3489.45
MW - 4	07/14/08	3509.15	19.65	20.45	0.80	3489.38
MW - 4	07/22/08	3509.15	19.73	20.48	0.75	3489.31
MW - 4	07/29/08	3509.15	19.70	20.74	1.04	3489.29
MW - 4	08/04/08	3509.15	19.70	21.12	1.42	3489.24
MW - 4	08/11/08	3509.15	19.79	20.77	0.98	3489.21
MW - 4	08/14/08	3509.15	19.87	20.38	0.51	3489.20
MW - 4	08/18/08	3509.15	19.82	20.65	0.83	3489.21
MW - 4	08/28/08	3509.15	19.72	20.72	1.00	3489.28
MW - 4	09/17/08	3509.15	19.35	21.00	1.65	3489.55
MW - 4	09/29/08	3509.15	19.43	19.88	0.45	3489.65
MW - 4	10/06/08	3509.15	19.48	19.74	0.26	3489.63
MW - 4	10/13/08	3509.15	19.52	19.72	0.20	3489.60
MW - 4	10/20/08	3509.15	19.43	19.61	0.18	3489.69
MW - 4	10/29/08	3509.15	19.39	19.63	0.24	3489.72
MW - 4	10/30/08	3509.15	19.42	19.51	0.09	3489.72
MW - 4	11/06/08	3509.15	19.38	19.52	0.14	3489.75
MW - 4	11/12/08	3509.15	19.35	19.53	0.18	3489.77
MW - 4	11/13/08	3509.15	19.35	19.53	0.18	3489.77
MW - 4	12/16/08	3509.15	19.30	19.51	0.21	3489.82
MW - 4	12/19/08	3509.15	19.33	19.45	0.12	3489.80
MW - 4	12/22/08	3509.15	19.26	19.41	0.15	3489.87
MW - 4	01/06/09	3509.15	19.28	19.49	0.21	3489.84
MW - 4	01/12/09	3509.15	19.14	19.46	0.32	3489.96
MW - 4	01/19/09	3509.15	19.29	19.51	0.22	3489.83
MW - 4	01/22/09	3509.15	19.25	19.56	0.31	3489.85
MW - 4	01/26/09	3509.15	19.27	19.32	0.05	3489.87
MW - 4	02/10/09	3509.15	19.21	19.30	0.09	3489.93
MW - 4	02/13/09	3509.15	19.22	19.51	0.29	3489.89
MW - 4	02/16/09	3509.15	19.23	19.68	0.45	3489.85
MW - 4	02/24/09	3509.15	19.25	19.67	0.42	3489.84
MW - 4	03/02/09	3509.15	19.21	19.56	0.35	3489.89

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	03/05/09	3509.15	19.23	19.26	0.03	3489.92
MW - 4	03/09/09	3509.15	17.32	17.54	0.22	3491.80
MW - 4	03/16/09	3509.15	19.22	19.25	0.03	3489.93
MW - 4	03/19/09	3509.15	19.25	19.47	0.22	3489.87
MW - 4	03/25/09	3509.15	19.27	19.48	0.21	3489.85
MW - 4	03/30/09	3509.15	19.26	19.47	0.21	3489.86
MW - 4	04/13/09	3509.15	19.15	19.24	0.09	3489.99
MW - 4	04/16/09	3509.15	18.25	18.36	0.11	3490.88
MW - 4	04/21/09	3509.15	18.23	18.35	0.12	3490.90
MW - 4	04/27/09	3509.15	19.14	19.18	0.04	3490.00
MW - 4	04/30/09	3509.15	18.22	18.34	0.12	3490.91
MW - 4	05/06/09	3509.15	18.24	18.35	0.11	3490.89
MW - 4	05/12/09	3509.15	19.15	19.20	0.05	3489.99
MW - 4	05/19/09	3509.15	18.24	18.35	0.11	3490.89
MW - 4	05/26/09	3509.15	19.43	19.56	0.13	3489.70
MW - 4	06/01/09	3509.15	19.42	19.53	0.11	3489.71
MW - 4	06/05/09	3509.15	19.44	19.59	0.15	3489.69
MW - 4	06/12/09	3509.15	19.48	19.80	0.32	3489.62
MW - 4	06/15/09	3509.15	19.51	19.67	0.16	3489.62
MW - 4	06/22/09	3509.15	19.56	19.75	0.19	3489.56
MW - 4	06/24/09	3509.15	19.61	19.68	0.07	3489.53
MW - 4	06/29/09	3509.15	19.65	19.87	0.22	3489.47
MW - 4	07/06/09	3509.15	19.74	19.85	0.11	3489.39
MW - 4	07/09/09	3509.15	18.22	18.38	0.16	3490.91
MW - 4	07/13/09	3509.15	18.23	18.37	0.14	3490.90
MW - 4	07/20/09	3509.15	18.21	18.39	0.18	3490.91
MW - 4	07/23/09	3509.15	19.87	20.04	0.17	3489.25
MW - 4	07/27/09	3509.15	19.88	20.03	0.15	3489.25
MW - 4	07/29/09	3509.15	19.81	19.92	0.11	3489.32
MW - 4	08/03/09	3509.15	19.76	19.94	0.18	3489.36
MW - 4	08/10/09	3509.15	19.85	20.03	0.18	3489.27
MW - 4	08/10/09	3509.15	19.85	20.03	0.18	3489.27
MW - 4	08/18/09	3509.15	19.93	20.16	0.23	3489.19
MW - 4	08/24/09	3509.15	19.98	20.19	0.21	3489.14
MW - 4	08/28/09	3509.15	18.22	18.38	0.16	3490.91
MW - 4	08/31/09	3509.15	20.01	20.35	0.34	3489.09
MW - 4	09/02/09	3509.15	20.01	20.23	0.22	3489.11
MW - 4	09/08/09	3509.15	20.05	20.39	0.34	3489.05
MW - 4	09/10/09	3509.15	20.05	20.20	0.15	3489.08
MW - 4	09/16/09	3509.15	20.03	20.66	0.63	3489.03
MW - 4	09/18/09	3509.15	20.25	20.29	0.04	3488.89
MW - 4	09/22/09	3509.15	20.05	20.51	0.46	3489.03
MW - 4	09/28/09	3509.15	18.21	18.37	0.16	3490.92
MW - 4	10/09/09	3509.15	19.98	21.30	1.32	3488.97
MW - 4	10/12/09	3509.15	18.24	18.38	0.14	3490.89
MW - 4	10/15/09	3509.15	20.02	21.52	1.50	3488.91
MW - 4	10/20/09	3509.15	20.12	20.94	0.82	3488.91
MW - 4	10/26/09	3509.15	18.23	18.39	0.16	3490.90
MW - 4	10/28/09	3509.15	20.10	20.79	0.69	3488.95
MW - 4	11/03/09	3509.15	20.08	20.58	0.50	3489.00
MW - 4	11/12/09	3509.15	20.00	20.55	0.55	3489.07
MW - 4	11/18/09	3509.15	20.10	20.37	0.27	3489.01
MW - 4	12/03/09	3509.15	19.96	20.93	0.97	3489.04
MW - 4	12/11/09	3509.15	20.00	20.56	0.56	3489.07

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	12/16/09	3509.15	20.00	20.12	0.12	3489.13
MW - 4	12/21/09	3509.15	20.02	20.09	0.07	3489.12
MW - 4	12/28/09	3509.15	19.97	20.08	0.11	3489.16
MW - 4	01/04/10	3509.15	20.01	20.16	0.15	3489.12
MW - 4	01/14/10	3509.15	19.96	20.18	0.22	3489.16
MW - 4	01/20/10	3509.15	19.89	20.15	0.26	3489.22
MW - 4	01/25/10	3509.15	19.89	20.00	0.11	3489.24
MW - 4	01/27/10	3509.15	19.87	19.93	0.06	3489.27
MW - 4	02/01/10	3509.15	19.86	19.98	0.12	3489.27
MW - 4	02/08/10	3509.15	19.84	19.98	0.14	3489.29
MW - 4	02/08/10	3509.15	sheen	20.09	0.00	3489.06
MW - 4	02/09/10	3509.15	19.92	19.98	0.06	3489.22
MW - 4	02/19/10	3509.15	19.74	20.08	0.34	3489.36
MW - 4	02/26/10	3509.15	19.79	19.95	0.16	3489.34
MW - 4	03/01/10	3509.15	19.97	20.05	0.08	3489.17
MW - 4	03/04/10	3509.15	19.76	19.79	0.03	3489.39
MW - 4	03/08/10	3509.15	19.74	19.76	0.02	3489.41
MW - 4	03/11/10	3509.15	19.68	19.73	0.05	3489.46
MW - 4	03/15/10	3509.15	19.79	19.92	0.13	3489.34
MW - 4	03/17/10	3509.15	19.63	19.65	0.02	3489.52
MW - 4	03/22/10	3509.15	19.58	19.63	0.05	3489.56
MW - 4	03/29/10	3509.15	18.54	18.59	0.05	3490.60
MW - 4	04/05/10	3509.15	19.60	19.70	0.10	3489.54
MW - 4	04/14/10	3509.15	19.61	19.70	0.09	3489.53
MW - 4	04/16/10	3509.15	19.48	19.57	0.09	3489.66
MW - 4	04/19/10	3509.15	19.55	19.82	0.27	3489.56
MW - 4	04/28/10	3509.15	19.48	19.52	0.04	3489.66
MW - 4	05/05/10	3509.15	19.38	19.47	0.09	3489.76
MW - 4	05/12/10	3509.15	19.49	19.68	0.19	3489.63
MW - 4	05/14/10	3509.15	19.49	19.68	0.19	3489.63
MW - 4	05/21/10	3509.15	19.51	19.66	0.15	3489.62
MW - 4	05/26/10	3509.15	19.51	19.68	0.17	3489.61
MW - 4	06/04/10	3509.15	19.54	19.64	0.10	3489.60
MW - 4	06/07/10	3509.15	19.68	19.83	0.15	3489.45
MW - 4	06/12/10	3509.15	19.75	20.03	0.28	3489.36
MW - 4	06/24/10	3509.15	18.88	19.04	0.16	3490.25
MW - 4	06/30/10	3509.15	19.19	20.18	0.99	3489.81
MW - 4	07/07/10	3509.15	19.44	19.75	0.31	3489.66
MW - 4	07/12/10	3509.15	17.91	18.53	0.62	3491.15
MW - 4	07/19/10	3509.15	19.54	19.77	0.23	3489.58
MW - 4	08/03/10	3509.15	19.24	19.41	0.17	3489.88
MW - 4	08/11/10	3509.15	19.20	19.46	0.26	3489.91
MW - 4	08/19/10	3509.15	19.19	19.29	0.10	3489.95
MW - 4	08/25/10	3509.15	19.26	19.65	0.39	3489.83
MW - 4	09/01/10	3509.15	19.29	19.74	0.45	3489.79
MW - 4	09/09/10	3509.15	19.37	19.92	0.55	3489.70
MW - 4	09/13/10	3509.15	19.21	19.44	0.23	3489.91
MW - 4	09/29/10	3509.15	19.44	19.79	0.35	3489.66
MW - 4	10/05/10	3509.15	19.23	19.45	0.22	3489.89
MW - 4	10/20/10	3509.15	19.26	19.43	0.17	3489.86
MW - 4	10/25/10	3509.15	19.25	19.41	0.16	3489.88
MW - 4	11/03/10	3509.15	18.73	19.01	0.28	3490.38
MW - 4	11/10/10	3509.15	18.53	18.94	0.41	3490.56
MW - 4	11/12/10	3509.15	18.53	18.94	0.41	3490.56



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	12/09/10	3509.15	19.25	19.51	0.26	3489.86
MW - 4	01/18/11	3509.15	18.55	18.92	0.37	3490.54
MW - 4	02/16/11	3509.15	18.53	19.93	1.40	3490.41
MW - 4	03/01/11	3509.15	19.40	19.56	0.16	3489.73
MW - 4	03/07/11	3509.15	19.38	19.68	0.30	3489.73
MW - 4	03/22/11	3509.15	18.53	19.93	1.40	3490.41
MW - 4	04/27/11	3509.15	19.15	19.82	0.67	3489.90
MW - 4	05/05/11	3509.15	19.45	19.76	0.31	3489.65
MW - 4	05/10/11	3509.15	19.51	19.85	0.34	3489.59
MW - 4	05/17/11	3509.15	19.52	19.94	0.42	3489.57
MW - 4	05/19/11	3509.15	19.52	19.94	0.42	3489.57
MW - 4	05/24/11	3509.15	19.62	20.02	0.40	3489.47
MW - 4	06/07/11	3509.15	19.76	20.07	0.31	3489.34
MW - 4	06/08/11	3509.15	19.79	20.00	0.21	3489.33
MW - 4	06/14/11	3509.15	19.85	20.14	0.29	3489.26
MW - 4	06/23/11	3509.15	19.79	20.10	0.31	3489.31
MW - 4	06/28/11	3509.15	19.83	20.05	0.22	3489.29
MW - 4	07/06/11	3509.15	20.08	20.23	0.15	3489.05
MW - 4	07/14/11	3509.15	19.93	20.15	0.22	3489.19
MW - 4	07/20/11	3509.15	20.11	20.33	0.22	3489.01
MW - 4	07/27/11	3509.15	20.15	20.36	0.21	3488.97
MW - 4	08/03/11	3509.15	20.14	20.35	0.21	3488.98
MW - 4	08/10/11	3509.15	20.21	20.71	0.50	3488.87
MW - 4	08/18/11	3509.15	20.23	20.45	0.22	3488.89
MW - 4	08/25/11	3509.15	20.28	20.50	0.22	3488.84
MW - 4	09/06/11	3509.15	19.56	19.87	0.31	3489.54
MW - 4	09/14/11	3509.15	20.34	20.86	0.52	3488.73
MW - 4	11/14/11	3509.15	20.15	20.22	0.07	3488.99
MW - 4	12/01/11	3509.15	20.07	20.16	0.09	3489.07
MW - 4	12/08/11	3509.15	20.09	20.28	0.19	3489.03
MW - 4	12/14/11	3509.15	20.12	20.21	0.09	3489.02
MW - 4	01/12/12	3509.15	20.03	20.25	0.22	3489.09
MW - 4	01/19/12	3509.15	19.99	20.20	0.21	3489.13
MW - 4	02/03/12	3509.15	19.95	20.19	0.24	3489.16
MW - 4	02/29/12	3509.15	19.84	20.20	0.36	3489.26
MW - 4	03/14/12	3509.15	19.79	20.13	0.34	3489.31
MW - 4	03/19/12	3509.15	19.70	19.95	0.25	3489.41
MW - 4	03/29/12	3509.15	19.74	20.00	0.26	3489.37
MW - 4	04/05/12	3509.15	19.71	19.97	0.26	3489.40
MW - 4	04/18/12	3509.15	19.67	19.93	0.26	3489.44
MW - 4	04/27/12	3509.15	19.71	19.97	0.26	3489.40
MW - 4	05/02/12	3509.15	19.77	20.01	0.24	3489.34
MW - 4	05/31/12	3509.15	19.72	20.10	0.38	3489.37
MW - 4	06/08/12	3509.15	19.76	20.34	0.58	3489.30
MW - 4	06/12/12	3509.15	19.83	20.18	0.35	3489.27
MW - 4	06/21/12	3509.15	19.82	20.17	0.35	3489.28
MW - 4	06/29/12	3509.15	19.90	20.05	0.15	3489.23
MW - 4	07/13/12	3509.15	20.10	20.35	0.25	3489.01
MW - 4	12/06/12	3509.15	20.52	21.61	1.09	3488.47
MW - 4	12/11/12	3509.15	20.53	21.63	1.10	3488.46
MW - 4	12/18/12	3509.15	20.52	21.47	0.95	3488.49
MW - 4	01/09/13	3509.15	20.55	21.02	0.47	3488.53
MW - 4	01/15/13	3509.15	20.55	20.91	0.36	3488.55
MW - 4	01/23/13	3509.15	20.55	20.94	0.39	3488.54

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	01/29/13	3509.15	20.51	20.83	0.32	3488.59
MW - 4	02/07/13	3509.15	20.51	20.89	0.38	3488.58
MW - 4	02/13/13	3509.15	20.48	20.66	0.18	3488.64
MW - 4	02/20/13	3509.15	-	20.43	0.00	3488.72
MW - 4	03/15/13	3509.15	20.43	20.63	0.20	3488.69
MW - 4	03/19/13	3509.15	20.42	20.59	0.17	3488.70
MW - 4	04/02/13	3509.15	20.38	20.63	0.25	3488.73
MW - 4	04/09/13	3509.15	20.39	20.52	0.13	3488.74
MW - 4	04/16/13	3509.15	20.38	20.49	0.11	3488.75
MW - 4	04/23/13	3509.15	20.38	20.49	0.11	3488.75
MW - 4	04/30/13	3509.15	20.34	20.52	0.18	3488.78
MW - 4	05/08/13	3509.15	20.35	20.46	0.11	3488.78
MW - 4	05/14/13	3509.15	20.32	20.41	0.09	3488.82
MW - 4	05/22/13	3509.15	20.31	20.42	0.11	3488.82
MW - 4	05/28/13	3509.15	20.33	20.40	0.07	3488.81
MW - 4	06/04/13	3509.15	20.38	20.46	0.08	3488.76
MW - 4	06/11/13	3509.15	20.44	20.57	0.13	3488.69
MW - 4	06/19/13	3509.15	20.50	20.59	0.09	3488.64
MW - 4	06/28/13	3509.15	20.63	20.73	0.10	3488.51
MW - 4	07/01/13	3509.15	20.69	20.72	0.03	3488.46
MW - 4	07/08/13	3509.15	20.74	20.81	0.07	3488.40
MW - 4	07/23/13	3509.15	20.77	20.86	0.09	3488.37
MW - 4	07/30/13	3509.15	20.70	20.77	0.07	3488.44
MW - 4	08/05/13	3509.15	20.69	20.71	0.02	3488.46
MW - 4	08/12/13	3509.15	20.72	20.79	0.07	3488.42
MW - 4	08/22/13	3509.15	20.80	20.92	0.12	3488.33
MW - 4	08/29/13	3509.15	20.88	20.96	0.08	3488.26
MW - 4	09/05/13	3509.15	20.93	20.99	0.06	3488.21
MW - 4	09/10/13	3509.15	20.99	21.06	0.07	3488.15
MW - 4	09/17/13	3509.15	21.02	21.08	0.06	3488.12
MW - 4	09/24/13	3509.15	21.03	21.12	0.09	3488.11
MW - 4	10/07/13	3509.15	21.09	21.28	0.19	3488.03
MW - 4	11/14/13	-	23.60	23.85	0.25	-
MW - 4	11/21/13	-	23.60	23.90	0.30	-
MW - 4	12/12/13	-	23.52	23.81	0.29	-
MW - 4	12/19/13	-	23.52	23.80	0.28	-
MW - 4	01/03/14	-	23.46	23.73	0.27	-
MW - 4	01/09/14	-	23.47	23.78	0.31	-
MW - 4	01/13/14	-	23.47	23.77	0.30	-
MW - 4	01/21/14	-	23.43	23.73	0.30	-
MW - 4	01/24/14	-	23.47	23.73	0.26	-
MW - 4	02/04/14	3513.35	23.40	23.72	0.32	3489.90
MW - 4	02/10/14	3513.35	23.42	23.71	0.29	3489.89
MW - 4	02/27/14	3513.35	23.33	23.62	0.29	3489.98
MW - 4	03/17/14	3513.35	23.31	23.55	0.24	3490.00
MW - 4	03/27/14	3513.35	23.29	23.55	0.26	3490.02
MW - 4	04/02/14	3513.35	23.33	23.48	0.15	3490.00
MW - 4	04/16/14	3513.35	23.25	23.56	0.31	3490.05
MW - 4	04/22/14	3513.35	23.24	23.45	0.21	3490.08
MW - 4	04/28/14	3513.35	23.31	23.48	0.17	3490.01
MW - 4	05/06/14	3513.35	23.23	23.52	0.29	3490.08
MW - 4	05/13/14	3513.35	23.29	23.74	0.45	3489.99
MW - 4	05/14/14	3513.35	23.28	23.54	0.26	3490.03
MW - 4	05/21/14	3513.35	23.26	23.62	0.36	3490.04

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	06/05/14	3513.35	23.40	23.84	0.44	3489.88
MW - 4	06/11/14	3513.35	23.49	23.96	0.47	3489.79
MW - 4	06/16/14	3513.35	23.55	23.97	0.42	3489.74
MW - 4	06/24/14	3513.35	23.65	24.26	0.61	3489.61
MW - 4	07/01/14	3513.35	23.71	24.32	0.61	3489.55
MW - 4	07/08/14	3513.35	23.83	24.18	0.35	3489.47
MW - 4	07/15/14	3513.35	23.85	24.33	0.48	3489.43
MW - 4	07/22/14	3513.35	23.88	24.65	0.77	3489.35
MW - 4	07/23/14	3513.35	23.88	24.65	0.77	3489.35
MW - 4	07/31/14	3513.35	23.94	24.72	0.78	3489.29
MW - 4	08/05/14	3513.35	24.00	24.42	0.42	3489.29
MW - 4	08/07/14	3513.35	23.95	24.65	0.70	3489.30
MW - 4	08/15/14	3513.35	23.48	24.47	0.99	3489.72
MW - 4	08/20/14	3513.35	24.00	24.77	0.77	3489.23
MW - 4	08/27/14	3513.35	24.05	24.61	0.56	3489.22
MW - 4	09/24/14	3513.35	23.51	23.80	0.29	3489.80
MW - 4	10/01/14	3513.35	23.17	23.24	0.07	3490.17
MW - 4	10/07/14	3513.35	23.04	23.12	0.08	3490.30
MW - 4	10/14/14	3513.35	22.99	23.05	0.06	3490.35
MW - 4	10/20/14	3513.35	22.95	23.07	0.12	3490.38
MW - 4	10/27/14	3513.35	22.92	23.04	0.12	3490.41
MW - 4	11/11/14	3513.35	22.91	23.00	0.09	3490.43
MW - 4	11/19/14	3513.35	22.85	23.11	0.26	3490.46
MW - 4	12/08/14	3513.35	22.85	23.00	0.15	3490.48
MW - 4	12/15/14	3513.35	22.85	23.00	0.15	3490.48
MW - 4	12/18/14	3513.35	22.81	22.93	0.12	3490.52
MW - 4	12/22/14	3513.35	22.81	22.93	0.12	3490.52
MW - 4	12/29/14	3513.35	22.81	22.92	0.11	3490.52
MW - 4	01/05/15	3513.35	22.82	22.91	0.09	3490.52
MW - 4	01/12/15	3513.35	22.85	22.95	0.10	3490.49
MW - 4	01/19/15	3513.35	22.80	22.91	0.11	3490.53
MW - 4	02/04/15	3513.35	22.80	22.92	0.12	3490.53
MW - 4	02/09/15	3513.35	22.79	22.88	0.09	3490.55
MW - 4	02/19/15	3513.35	22.79	22.88	0.09	3490.55
MW - 4	03/03/15	3513.35	22.76	22.83	0.07	3490.58
MW - 4	03/09/15	3513.35	22.79	22.82	0.03	3490.56
MW - 4	03/16/15	3513.35	22.78	22.82	0.04	3490.56
MW - 4	03/20/15	3513.35	22.80	22.85	0.05	3490.54
MW - 4	03/23/15	3513.35	22.76	22.79	0.03	3490.59
MW - 4	03/30/15	3513.35	22.75	22.85	0.10	3490.59
MW - 4	04/04/15	3513.35	-	22.28	0.00	3491.07
MW - 4	04/07/15	3513.35	22.75	22.80	0.05	3490.59
MW - 4	04/14/15	3513.35	22.77	22.80	0.03	3490.58
MW - 4	04/20/15	3513.35	22.71	22.72	0.01	3490.64
MW - 4	04/27/15	3513.35	-	22.76	0.00	3490.59
MW - 4	05/07/15	3513.35	-	22.73	0.00	3490.62
MW - 4	05/11/15	3513.35	-	22.75	0.00	3490.60
MW - 4	05/21/15	3513.35	-	22.70	0.00	3490.65
MW - 4	05/27/15	3513.35	-	22.67	0.00	3490.68
MW - 4	05/28/15	3513.35	-	22.65	0.00	3490.70
MW - 4	06/03/15	3513.35	-	22.66	0.00	3490.69
MW - 4	06/08/15	3513.35	-	22.66	0.00	3490.69
MW - 4	06/15/15	3513.35	-	22.70	0.00	3490.65
MW - 4	06/25/15	3513.35	-	22.64	0.00	3490.71

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	06/29/15	3513.35	-	22.68	0.00	3490.67
MW - 4	07/08/15	3513.35	-	22.78	0.00	3490.57
MW - 4	07/09/15	3513.35	-	22.74	0.00	3490.61
MW - 4	07/14/15	3513.35	-	22.82	0.00	3490.53
MW - 4	07/20/15	3513.35	-	22.88	0.00	3490.47
MW - 4	07/28/15	3513.35	-	22.97	0.00	3490.38
MW - 4	08/03/15	3513.35	-	23.02	0.00	3490.33
MW - 4	08/04/15	3513.35	-	23.02	0.00	3490.33
MW - 4	08/10/15	3513.35	-	23.09	0.00	3490.26
MW - 4	08/17/15	3513.35	-	23.13	0.00	3490.22
MW - 4	08/25/15	3513.35	-	23.13	0.00	3490.22
MW - 4	08/31/15	3513.35	-	22.09	0.00	3491.26
MW - 4	09/08/15	3513.35	-	23.16	0.00	3490.19
MW - 4	09/15/15	3513.35	-	23.23	0.00	3490.12
MW - 4	09/24/15	3513.35	-	23.29	0.00	3490.06
MW - 4	09/28/15	3513.35	-	23.26	0.00	3490.09
MW - 4	10/06/15	3513.35	-	23.23	0.00	3490.12
MW - 4	10/12/15	3513.35	-	23.15	0.00	3490.20
MW - 4	10/26/15	3513.35	-	23.01	0.00	3490.34
MW - 4	11/06/15	3513.35	-	22.91	0.00	3490.44
MW - 4	11/10/15	3513.35	-	22.86	0.00	3490.49
MW - 4	11/18/15	3513.35	-	22.85	0.00	3490.50
MW - 4	12/02/15	3513.35	-	22.82	0.00	3490.53
MW - 4	12/07/15	3513.35	-	22.76	0.00	3490.59
MW - 4	12/14/15	3513.35	-	22.82	0.00	3490.53
MW - 4	01/05/16	3513.35	-	22.77	0.00	3490.58
MW - 4	01/08/16	3513.35	-	22.72	0.00	3490.63
MW - 4	01/12/16	3513.35	-	22.75	0.00	3490.60
MW - 4	01/18/16	3513.35	-	22.74	0.00	3490.61
MW - 4	01/25/16	3513.35	-	22.75	0.00	3490.60
MW - 4	02/01/16	3513.35	-	22.74	0.00	3490.61
MW - 4	02/08/16	3513.35	-	22.73	0.00	3490.62
MW - 4	02/19/16	3513.35	-	22.67	0.00	3490.68
MW - 4	02/23/16	3513.35	-	22.63	0.00	3490.72
MW - 4	03/03/16	3513.35	-	22.67	0.00	3490.68
MW - 4	03/07/16	3513.35	-	22.61	0.00	3490.74
MW - 4	03/15/16	3513.35	-	22.57	0.00	3490.78
MW - 4	03/21/16	3513.35	-	22.54	0.00	3490.81
MW - 4	03/28/16	3513.35	-	22.53	0.00	3490.82
MW - 4	04/05/16	3513.35	-	22.49	0.00	3490.86
MW - 4	04/08/16	3513.35	-	22.56	0.00	3490.79
MW - 4	04/12/16	3513.35	-	22.55	0.00	3490.80
MW - 4	04/18/16	3513.35	-	22.51	0.00	3490.84
MW - 4	04/25/16	3513.35	-	22.47	0.00	3490.88
MW - 4	05/02/16	3513.35	-	22.48	0.00	3490.87
MW - 4	05/23/16	3513.35	-	22.42	0.00	3490.93
MW - 4	06/01/16	3513.35	-	22.54	0.00	3490.81
MW - 4	06/06/16	3513.35	-	22.60	0.00	3490.75
MW - 4	06/09/16	3513.35	-	22.61	0.00	3490.74
MW - 4	06/28/16	3513.35	-	22.83	0.00	3490.52
MW - 4	07/12/16	3513.35	23.02	23.03	0.01	3490.33
MW - 4	07/19/16	3513.35	23.10	23.12	0.02	3490.25
MW - 4	07/27/16	3513.35	-	23.20	0.00	3490.15
MW - 4	08/03/16	3513.35	-	23.22	0.00	3490.13

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	08/08/16	3513.35	-	23.30	0.00	3490.05
MW - 4	08/16/16	3513.35	-	23.33	0.00	3490.02
MW - 4	08/23/16	3513.35	-	23.38	0.00	3489.97
MW - 4	08/31/16	3513.35	-	23.20	0.00	3490.15
MW - 4	09/14/16	3513.35	-	22.55	0.00	3490.80
MW - 4	09/22/16	3513.35	-	22.38	0.00	3490.97
MW - 4	09/27/16	3513.35	-	22.35	0.00	3491.00
MW - 4	10/07/16	3513.35	-	22.24	0.00	3491.11
MW - 4	12/06/16	3513.35	-	22.16	0.00	3491.19
MW - 4	12/15/16	3513.35	-	22.17	0.00	3491.18
MW - 4	12/22/16	3513.35	-	22.25	0.00	3491.10
MW - 4	12/29/16	3513.35	-	22.28	0.00	3491.07
MW - 4	01/05/17	3513.35	-	22.17	0.00	3491.18
MW - 4	01/11/17	3513.35	-	22.18	0.00	3491.17
MW - 4	01/18/17	3513.35	-	22.18	0.00	3491.17
MW - 4	01/26/17	3513.35	-	22.23	0.00	3491.12
MW - 4	01/31/17	3513.35	-	22.17	0.00	3491.18
MW - 4	02/10/17	3513.35	-	22.18	0.00	3491.17
MW - 4	02/17/17	3513.35	-	22.13	0.00	3491.22
MW - 4	02/24/17	3513.35	-	22.21	0.00	3491.14
MW - 4	03/01/17	3513.35	-	22.23	0.00	3491.12
MW - 4	03/09/17	3513.35	-	22.19	0.00	3491.16
MW - 4	03/15/17	3513.35	-	22.16	0.00	3491.19
MW - 4	03/22/17	3513.35	-	22.17	0.00	3491.18
MW - 4	03/29/17	3513.35	-	22.23	0.00	3491.12
MW - 4	04/07/17	3513.35	-	22.15	0.00	3491.20
MW - 4	04/11/17	3513.35	-	22.11	0.00	3491.24
MW - 4	04/20/17	3513.35	-	22.09	0.00	3491.26
MW - 4	05/02/17	3513.35	-	22.07	0.00	3491.28
MW - 4	05/12/17	3513.35	-	22.12	0.00	3491.23
MW - 4	05/16/17	3513.35	-	22.11	0.00	3491.24
MW - 4	05/24/17	3513.35	-	22.18	0.00	3491.17
MW - 4	06/05/17	3513.35	-	22.28	0.00	3491.07
MW - 4	06/15/17	3513.35	-	22.49	0.00	3490.86
MW - 4	06/28/17	3513.35	-	22.55	0.00	3490.80
MW - 4	07/05/17	3513.35	-	22.66	0.00	3490.69
MW - 4	07/11/17	3513.35	-	22.68	0.00	3490.67
MW - 4	07/17/17	3513.35	-	22.74	0.00	3490.61
MW - 4	07/20/17	3513.35	-	22.78	0.00	3490.57
MW - 4	08/16/17	3513.35	-	22.68	0.00	3490.67
MW - 4	09/05/17	3513.35	-	22.51	0.00	3490.84
MW - 4	09/13/17	3513.35	-	22.63	0.00	3490.72
MW - 4	09/19/17	3513.35	-	22.69	0.00	3490.66
MW - 4	09/29/17	3513.35	-	26.61	0.00	3486.74
MW - 4	10/05/17	3513.35	-	26.65	0.00	3486.70
MW - 4	10/12/17	3513.35	-	22.67	0.00	3490.68
MW - 4	10/20/17	3513.35	-	22.55	0.00	3490.80
MW - 4	10/24/17	3513.35	-	22.41	0.00	3490.94
MW - 4	11/02/17	3513.35	-	22.34	0.00	3491.01
MW - 4	11/14/17	3513.35	-	22.31	0.00	3491.04
MW - 4	12/20/17	3513.35	-	19.24	0.00	3494.11
MW - 4	12/28/17	3513.35	-	22.21	0.00	3491.14
MW - 4	01/03/18	3513.35	-	21.23	0.00	3492.12
MW - 4	01/09/18	3513.35	-	22.20	0.00	3491.15

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	01/19/18	3513.35	-	22.24	0.00	3491.11
MW - 4	01/24/18	3513.35	-	22.23	0.00	3491.12
MW - 4	02/08/18	3513.35	-	22.23	0.00	3491.12
MW - 4	02/12/18	3513.35	-	22.19	0.00	3491.16
MW - 4	02/22/18	3513.35	-	22.17	0.00	3491.18
MW - 4	03/02/18	3513.35	-	22.17	0.00	3491.18
MW - 4	03/07/18	3513.35	-	22.17	0.00	3491.18
MW - 4	03/19/18	3513.35	-	22.14	0.00	3491.21
MW - 4	03/29/18	3513.35	-	22.15	0.00	3491.20
MW - 4	04/02/18	3513.35	-	22.10	0.00	3491.25
MW - 4	04/11/18	3513.35	-	22.09	0.00	3491.26
MW - 4	04/16/18	3513.35	-	22.10	0.00	3491.25
MW - 4	04/25/18	3513.35	-	22.13	0.00	3491.22
MW - 4	05/01/18	3513.35	-	22.10	0.00	3491.25
MW - 4	05/08/18	3513.35	-	22.13	0.00	3491.22
MW - 4	05/22/18	3513.35	-	22.34	0.00	3491.01
MW - 4	05/31/18	3513.35	-	22.48	0.00	3490.87
MW - 4	06/06/18	3513.35	-	22.59	0.00	3490.76
MW - 4	06/13/18	3513.35	-	22.59	0.00	3490.76
MW - 4	06/18/18	3513.35	-	22.63	0.00	3490.72
MW - 4	06/25/18	3513.35	-	22.67	0.00	3490.68
MW - 4	07/02/18	3513.35	-	22.75	0.00	3490.60
MW - 4	07/11/18	3513.35	-	22.81	0.00	3490.54
MW - 4	07/19/18	3513.35	-	22.86	0.00	3490.49
MW - 4	07/27/18	3513.35	-	22.94	0.00	3490.41
MW - 4	08/08/18	3513.35	-	23.05	0.00	3490.30
MW - 4	08/30/18	3513.35	-	23.12	0.00	3490.23
MW - 4	09/12/18	3513.35	-	23.10	0.00	3490.25
MW - 4	09/20/18	3513.35	-	22.97	0.00	3490.38
MW - 4	09/26/18	3513.35	-	23.04	0.00	3490.31
MW - 4	10/03/18	3513.35	-	22.96	0.00	3490.39
MW - 4	10/19/18	3513.35	-	22.96	0.00	3490.39
MW - 4	10/31/18	3513.35	-	22.85	0.00	3490.50
MW - 4	11/06/18	3513.35	-	22.56	0.00	3490.79
MW - 4	11/13/18	3513.35	-	22.86	0.00	3490.49
MW - 4	12/03/18	3513.35	-	22.75	0.00	3490.60
MW - 4	12/19/18	3513.35	-	22.63	0.00	3490.72
MW - 4	12/27/18	3513.35	-	22.60	0.00	3490.75
MW - 4	01/03/19	3513.35	-	22.62	0.00	3490.73
MW - 4	01/09/19	3513.35	-	22.59	0.00	3490.76
MW - 4	01/16/19	3513.35	-	22.57	0.00	3490.78
MW - 4	01/31/19	3513.35	-	22.57	0.00	3490.78
MW - 4	02/13/19	3513.35	-	22.53	0.00	3490.82
MW - 4	02/28/19	3513.35	-	22.48	0.00	3490.87
MW - 4	03/06/19	3513.35	-	22.45	0.00	3490.90
MW - 4	03/12/19	3513.35	-	22.42	0.00	3490.93
MW - 4	03/19/19	3513.35	-	22.45	0.00	3490.90
MW - 4	03/28/19	3513.35	-	22.46	0.00	3490.89
MW - 4	04/01/19	3513.35	-	22.42	0.00	3490.93
MW - 4	04/10/19	3513.35	-	22.36	0.00	3490.99
MW - 4	04/17/19	3513.35	-	22.38	0.00	3490.97
MW - 4	04/24/19	3513.35	-	22.37	0.00	3490.98
MW - 4	05/01/19	3513.35	-	22.40	0.00	3490.95
MW - 4	05/08/19	3513.35	-	22.36	0.00	3490.99

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	06/14/19	3513.35	-	22.62	0.00	3490.73
MW - 4	06/18/19	3513.35	-	22.62	0.00	3490.73
MW - 4	07/11/19	3513.35	-	22.88	0.00	3490.47
MW - 4	08/08/19	3513.35	-	23.08	0.00	3490.27
MW - 4	09/12/19	3513.35	-	23.27	0.00	3490.08
MW - 4	09/17/19	3513.35	-	23.26	0.00	3490.09
MW - 4	10/15/19	3513.35	-	23.07	0.00	3490.28
MW - 4	11/06/19	3513.35	-	22.99	0.00	3490.36
MW - 4	11/13/19	3513.35	-	22.93	0.00	3490.42
MW - 4	12/17/19	3513.35	-	22.78	0.00	3490.57
MW - 4	01/06/20	3513.35	-	22.71	0.00	3490.64
MW - 4	01/23/20	3513.35	-	22.67	0.00	3490.68
MW - 4	01/29/20	3513.35	-	22.65	0.00	3490.70
MW - 4	02/28/20	3513.35	-	22.60	0.00	3490.75
MW - 4	03/05/20	3513.35	-	22.60	0.00	3490.75
MW - 4	05/14/20	3513.35	-	22.35	0.00	3491.00
MW - 4	06/18/20	3513.35	-	22.84	0.00	3490.51
MW - 4	07/21/20	3513.35	-	23.16	0.00	3490.19
MW - 4	08/13/20	3513.35	-	23.28	0.00	3490.07
MW - 4	09/14/20	3513.35	-	23.43	0.00	3489.92
MW - 4	12/10/20	3513.35	-	23.49	0.00	3489.86
MW - 4	01/13/21	3513.35	-	23.42	0.00	3489.93
MW - 4	02/11/21	3513.35	-	23.37	0.00	3489.98
MW - 4	04/21/21	3513.35	-	23.25	0.00	3490.10
MW - 4	06/11/21	3513.35	-	23.27	0.00	3490.08
MW - 4	09/23/21	3513.35	23.57	23.59	0.02	3489.78
MW - 4	10/14/21	3513.35	23.60	23.61	0.01	3489.75
MW - 4	10/28/21	3513.35	23.65	23.66	0.01	3489.70
MW - 4	12/06/21	3513.35	-	23.69	0.00	3489.66
MW - 4	03/16/22	3513.35	-	23.53	0.00	3489.82
MW - 4	04/20/22	3513.35	-	23.52	0.00	3489.83
MW - 4	05/11/22	3513.35	-	23.71	0.00	3489.64
MW - 4	08/16/22	3513.35	24.07	24.08	0.01	3489.28
MW - 4	11/11/22	3513.35	-	23.82	0.00	3489.53
MW - 5	06/20/02	3509.96	-	21.23	0.00	3488.73
MW - 5	09/26/02	3509.96	-	21.69	0.00	3488.27
MW - 5	11/07/02	3509.96	-	21.60	0.00	3488.36
MW - 5	11/12/02	3509.96	-	21.58	0.00	3488.38
MW - 5	01/27/03	3509.96	-	21.26	0.00	3488.70
MW - 5	02/12/03	3509.96	-	21.30	0.00	3488.66
MW - 5	03/11/03	3509.96	-	21.24	0.00	3488.72
MW - 5	03/19/03	3509.96	-	21.20	0.00	3488.76
MW - 5	04/16/03	3509.96	-	21.08	0.00	3488.88
MW - 5	04/29/03	3509.96	-	21.11	0.00	3488.85
MW - 5	05/14/03	3509.96	-	21.25	0.00	3488.71
MW - 5	05/20/03	3509.96	-	21.46	0.00	3488.50
MW - 5	05/27/03	3509.96	-	21.43	0.00	3488.53
MW - 5	06/04/03	3509.96	-	21.45	0.00	3488.51
MW - 5	07/07/03	3509.96	-	22.11	0.00	3487.85
MW - 5	07/30/03	3509.96	-	22.01	0.00	3487.95
MW - 5	08/06/03	3509.96	-	22.24	0.00	3487.72
MW - 5	08/21/03	3509.96	sheen	22.43	0.00	3487.53
MW - 5	08/26/03	3509.96	-	22.62	0.00	3487.34

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	09/08/03	3509.96	-	22.39	0.00	3487.57
MW - 5	09/15/03	3509.96	-	22.28	0.00	3487.68
MW - 5	09/24/03	3509.96	-	22.62	0.00	3487.34
MW - 5	10/02/03	3509.96	-	22.48	0.00	3487.48
MW - 5	10/08/03	3509.96	-	22.37	0.00	3487.59
MW - 5	10/16/03	3509.96	-	22.67	0.00	3487.29
MW - 5	10/28/03	3509.96	-	22.72	0.00	3487.24
MW - 5	11/18/03	3509.96	-	22.55	0.00	3487.41
MW - 5	12/10/03	3509.96	22.41	22.42	0.01	3487.55
MW - 5	02/02/04	3509.96	-	22.76	0.00	3487.20
MW - 5	02/11/04	3509.96	-	22.22	0.00	3487.74
MW - 5	02/26/04	3509.96	-	22.22	0.00	3487.74
MW - 5	03/16/04	3509.96	-	22.21	0.00	3487.75
MW - 5	03/19/04	3509.96	-	22.36	0.00	3487.60
MW - 5	03/25/04	3509.96	-	22.35	0.00	3487.61
MW - 5	04/01/04	3509.96	-	22.32	0.00	3487.64
MW - 5	04/08/04	3509.96	-	21.74	0.00	3488.22
MW - 5	04/14/04	3509.96	-	21.71	0.00	3488.25
MW - 5	04/16/04	3509.96	-	21.84	0.00	3488.12
MW - 5	04/22/04	3509.96	-	21.04	0.00	3488.92
MW - 5	04/29/04	3509.96	21.01	21.02	0.01	3488.95
MW - 5	05/11/04	3509.96	-	21.11	0.00	3488.85
MW - 5	06/08/04	3509.96	-	21.09	0.00	3488.87
MW - 5	06/17/04	3509.96	21.03	21.08	0.05	3488.92
MW - 5	06/22/04	3509.96	21.07	21.10	0.03	3488.89
MW - 5	06/29/04	3509.96	21.05	21.12	0.07	3488.90
MW - 5	07/06/04	3509.96	-	21.13	0.00	3488.83
MW - 5	07/13/04	3509.96	-	21.18	0.00	3488.78
MW - 5	07/20/04	3509.96	-	23.11	0.00	3486.85
MW - 5	08/04/04	3509.96	-	23.36	0.00	3486.60
MW - 5	08/10/04	3509.96	-	21.35	0.00	3488.61
MW - 5	08/16/04	3509.96	sheen	21.48	0.00	3488.48
MW - 5	08/23/04	3509.96	sheen	21.39	0.00	3488.57
MW - 5	08/25/04	3509.96	-	21.35	0.00	3488.61
MW - 5	08/26/04	3509.96	sheen	21.38	0.00	3488.58
MW - 5	08/31/04	3509.96	sheen	21.70	0.00	3488.26
MW - 5	09/13/04	3509.96	sheen	21.57	0.00	3488.39
MW - 5	09/20/04	3509.96	sheen	21.60	0.00	3488.36
MW - 5	09/30/04	3509.96	sheen	21.63	0.00	3488.33
MW - 5	10/04/04	3509.96	sheen	21.12	0.00	3488.84
MW - 5	10/11/04	3509.96	sheen	20.86	0.00	3489.10
MW - 5	10/18/04	3509.96	sheen	20.84	0.00	3489.12
MW - 5	10/26/04	3509.96	sheen	20.97	0.00	3488.99
MW - 5	11/02/04	3509.96	sheen	20.83	0.00	3489.13
MW - 5	11/08/04	3509.96	sheen	21.81	0.00	3488.15
MW - 5	11/15/04	3509.96	sheen	20.80	0.00	3489.16
MW - 5	12/01/04	3509.96	-	20.70	0.00	3489.26
MW - 5	12/03/04	3509.96	-	20.70	0.00	3489.26
MW - 5	12/14/04	3509.96	sheen	20.57	0.00	3489.39
MW - 5	12/21/04	3509.96	sheen	20.51	0.00	3489.45
MW - 5	12/29/04	3509.96	sheen	20.44	0.00	3489.52
MW - 5	01/11/05	3509.96	sheen	20.53	0.00	3489.43
MW - 5	01/14/05	3509.96	sheen	20.30	0.00	3489.66
MW - 5	01/18/05	3509.96	sheen	20.28	0.00	3489.68



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	01/21/05	3509.96	sheen	20.25	0.00	3489.71
MW - 5	01/25/05	3509.96	sheen	20.20	0.00	3489.76
MW - 5	01/28/05	3509.96	sheen	20.21	0.00	3489.75
MW - 5	02/02/05	3509.96	sheen	20.17	0.00	3489.79
MW - 5	02/05/05	3509.96	sheen	20.10	0.00	3489.86
MW - 5	02/08/05	3509.96	sheen	20.13	0.00	3489.83
MW - 5	02/11/05	3509.96	sheen	20.14	0.00	3489.82
MW - 5	02/15/05	3509.96	sheen	20.07	0.00	3489.89
MW - 5	02/18/05	3509.96	sheen	20.07	0.00	3489.89
MW - 5	02/22/05	3509.96	sheen	20.03	0.00	3489.93
MW - 5	02/25/05	3509.96	sheen	20.00	0.00	3489.96
MW - 5	03/01/05	3509.96	sheen	19.96	0.00	3490.00
MW - 5	03/04/05	3509.96	sheen	19.97	0.00	3489.99
MW - 5	03/08/05	3509.96	sheen	19.92	0.00	3490.04
MW - 5	03/08/05	3509.96	sheen	19.92	0.00	3490.04
MW - 5	03/11/05	3509.96	sheen	19.96	0.00	3490.00
MW - 5	03/15/05	3509.96	sheen	19.90	0.00	3490.06
MW - 5	03/18/05	3509.96	sheen	19.91	0.00	3490.05
MW - 5	03/22/05	3509.96	sheen	19.87	0.00	3490.09
MW - 5	03/28/05	3509.96	sheen	19.75	0.00	3490.21
MW - 5	04/01/05	3509.96	sheen	20.38	0.00	3489.58
MW - 5	04/05/05	3509.96	sheen	19.72	0.00	3490.24
MW - 5	04/08/05	3509.96	sheen	19.73	0.00	3490.23
MW - 5	04/12/05	3509.96	sheen	19.68	0.00	3490.28
MW - 5	04/15/05	3509.96	sheen	19.66	0.00	3490.30
MW - 5	05/25/05	3509.96	sheen	19.47	0.00	3490.49
MW - 5	05/27/05	3509.96	sheen	19.46	0.00	3490.50
MW - 5	05/31/05	3509.96	sheen	19.45	0.00	3490.51
MW - 5	06/03/05	3509.96	sheen	19.43	0.00	3490.53
MW - 5	06/06/05	3509.96	sheen	19.42	0.00	3490.54
MW - 5	06/08/05	3509.96	-	19.42	0.00	3490.54
MW - 5	06/13/05	3509.96	sheen	19.44	0.00	3490.52
MW - 5	06/20/05	3509.96	sheen	19.49	0.00	3490.47
MW - 5	06/24/05	3509.96	sheen	19.50	0.00	3490.46
MW - 5	06/27/05	3509.96	sheen	19.55	0.00	3490.41
MW - 5	07/11/05	3509.96	sheen	19.75	0.00	3490.21
MW - 5	07/15/05	3509.96	sheen	19.79	0.00	3490.17
MW - 5	07/18/05	3509.96	sheen	19.86	0.00	3490.10
MW - 5	07/21/05	3509.96	sheen	19.88	0.00	3490.08
MW - 5	07/25/05	3509.96	sheen	19.97	0.00	3489.99
MW - 5	08/01/05	3509.96	sheen	19.18	0.00	3490.78
MW - 5	08/04/05	3509.96	sheen	19.19	0.00	3490.77
MW - 5	08/12/05	3509.96	sheen	20.06	0.00	3489.90
MW - 5	08/15/05	3509.96	20.04	20.06	0.02	3489.92
MW - 5	08/23/05	3509.96	sheen	19.84	0.00	3490.12
MW - 5	08/30/05	3509.96	sheen	19.78	0.00	3490.18
MW - 5	09/06/05	3509.96	sheen	19.72	0.00	3490.24
MW - 5	09/13/05	3509.96	sheen	19.75	0.00	3490.21
MW - 5	09/15/05	3509.96	-	19.79	0.00	3490.17
MW - 5	09/19/05	3509.96	sheen	19.80	0.00	3490.16
MW - 5	09/27/05	3509.96	sheen	19.81	0.00	3490.15
MW - 5	10/03/05	3509.96	sheen	19.87	0.00	3490.09
MW - 5	10/08/05	3509.96	17.60	17.61	0.01	3492.36
MW - 5	10/10/05	3509.96	sheen	19.84	0.00	3490.12

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	10/17/05	3509.96	sheen	19.80	0.00	3490.16
MW - 5	10/24/05	3509.96	sheen	19.70	0.00	3490.26
MW - 5	10/31/05	3509.96	sheen	19.66	0.00	3490.30
MW - 5	11/15/05	3509.96	sheen	19.65	0.00	3490.31
MW - 5	11/22/05	3509.96	sheen	19.60	0.00	3490.36
MW - 5	11/27/05	3509.96	sheen	19.58	0.00	3490.38
MW - 5	12/07/05	3509.96	sheen	19.64	0.00	3490.32
MW - 5	12/16/05	3509.96	sheen	19.58	0.00	3490.38
MW - 5	12/22/05	3509.96	sheen	19.59	0.00	3490.37
MW - 5	12/27/05	3509.96	sheen	19.57	0.00	3490.39
MW - 5	01/03/06	3509.96	sheen	19.55	0.00	3490.41
MW - 5	01/09/06	3509.96	sheen	19.60	0.00	3490.36
MW - 5	01/16/06	3509.96	sheen	19.54	0.00	3490.42
MW - 5	01/23/06	3509.96	sheen	19.55	0.00	3490.41
MW - 5	01/30/06	3509.96	sheen	19.55	0.00	3490.41
MW - 5	02/06/06	3509.96	sheen	19.54	0.00	3490.42
MW - 5	02/14/06	3509.96	sheen	19.53	0.00	3490.43
MW - 5	02/21/06	3509.96	sheen	19.50	0.00	3490.46
MW - 5	03/01/06	3509.96	sheen	19.49	0.00	3490.47
MW - 5	03/06/06	3509.96	sheen	19.53	0.00	3490.43
MW - 5	03/15/06	3509.96	sheen	19.50	0.00	3490.46
MW - 5	03/16/06	3509.96	-	19.51	0.00	3490.45
MW - 5	03/21/06	3509.96	sheen	19.53	0.00	3490.43
MW - 5	03/28/06	3509.96	sheen	19.54	0.00	3490.42
MW - 5	04/03/06	3509.96	sheen	19.45	0.00	3490.51
MW - 5	04/17/06	3509.96	sheen	19.61	0.00	3490.35
MW - 5	05/01/06	3509.96	sheen	19.68	0.00	3490.28
MW - 5	05/08/06	3509.96	sheen	19.46	0.00	3490.50
MW - 5	05/15/06	3509.96	sheen	19.51	0.00	3490.45
MW - 5	05/30/06	3509.96	sheen	19.82	0.00	3490.14
MW - 5	06/05/06	3509.96	sheen	19.90	0.00	3490.06
MW - 5	06/12/06	3509.96	sheen	20.03	0.00	3489.93
MW - 5	06/15/06	3509.96	-	20.05	0.00	3489.91
MW - 5	06/19/06	3509.96	sheen	20.12	0.00	3489.84
MW - 5	07/03/06	3509.96	sheen	20.26	0.00	3489.70
MW - 5	07/10/06	3509.96	-	20.28	0.00	3489.68
MW - 5	07/17/06	3509.96	-	21.00	0.00	3488.96
MW - 5	07/26/06	3509.96	sheen	20.20	0.00	3489.76
MW - 5	07/31/06	3509.96	sheen	20.27	0.00	3489.69
MW - 5	08/07/06	3509.96	-	20.32	0.00	3489.64
MW - 5	08/17/06	3509.96	-	20.26	0.00	3489.70
MW - 5	08/21/06	3509.96	-	20.18	0.00	3489.78
MW - 5	09/06/06	3509.96	sheen	19.86	0.00	3490.10
MW - 5	09/11/06	3509.96	sheen	19.84	0.00	3490.12
MW - 5	09/18/06	3509.96	-	19.84	0.00	3490.12
MW - 5	09/25/06	3509.96	sheen	19.86	0.00	3490.10
MW - 5	09/29/06	3509.96	-	19.88	0.00	3490.08
MW - 5	10/02/06	3509.96	sheen	19.82	0.00	3490.14
MW - 5	10/09/06	3509.96	sheen	19.88	0.00	3490.08
MW - 5	10/17/06	3509.96	sheen	19.85	0.00	3490.11
MW - 5	10/23/06	3509.96	sheen	19.84	0.00	3490.12
MW - 5	10/30/06	3509.96	sheen	19.82	0.00	3490.14
MW - 5	11/06/06	3509.96	sheen	19.83	0.00	3490.13
MW - 5	11/13/06	3509.96	sheen	19.82	0.00	3490.14

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	11/20/06	3509.96	sheen	19.91	0.00	3490.05
MW - 5	11/27/06	3509.96	sheen	19.80	0.00	3490.16
MW - 5	11/30/06	3509.96	-	19.76	0.00	3490.20
MW - 5	12/04/06	3509.96	sheen	19.81	0.00	3490.15
MW - 5	12/12/06	3509.96	sheen	19.74	0.00	3490.22
MW - 5	12/18/06	3509.96	sheen	19.78	0.00	3490.18
MW - 5	01/02/07	3509.96	sheen	19.76	0.00	3490.20
MW - 5	01/11/07	3509.96	sheen	19.72	0.00	3490.24
MW - 5	01/18/07	3509.96	sheen	19.72	0.00	3490.24
MW - 5	01/22/07	3509.96	sheen	19.71	0.00	3490.25
MW - 5	02/05/07	3509.96	sheen	19.68	0.00	3490.28
MW - 5	02/12/07	3509.96	-	19.66	0.00	3490.30
MW - 5	02/19/07	3509.96	-	19.59	0.00	3490.37
MW - 5	02/27/07	3509.96	-	19.60	0.00	3490.36
MW - 5	03/05/07	3509.96	-	18.65	0.00	3491.31
MW - 5	03/19/07	3509.96	-	19.64	0.00	3490.32
MW - 5	04/02/07	3509.96	-	18.63	0.00	3491.33
MW - 5	04/09/07	3509.96	-	19.54	0.00	3490.42
MW - 5	05/22/07	3509.96	sheen	19.38	0.00	3490.58
MW - 5	08/15/07	3509.96	-	20.21	0.00	3489.75
MW - 5	11/06/07	3509.96	sheen	19.93	0.00	3490.03
MW - 5	11/30/07	3509.96	sheen	19.99	0.00	3489.97
MW - 5	01/16/08	3509.96	sheen	19.88	0.00	3490.08
MW - 5	01/21/08	3509.96	sheen	19.86	0.00	3490.10
MW - 5	01/30/08	3509.96	sheen	19.78	0.00	3490.18
MW - 5	02/08/08	3509.96	sheen	19.84	0.00	3490.12
MW - 5	02/12/08	3509.96	-	19.81	0.00	3490.15
MW - 5	02/14/08	3509.96	sheen	19.83	0.00	3490.13
MW - 5	02/28/08	3509.96	sheen	19.82	0.00	3490.14
MW - 5	03/05/08	3509.96	sheen	19.82	0.00	3490.14
MW - 5	03/13/08	3509.96	sheen	19.78	0.00	3490.18
MW - 5	03/19/08	3509.96	sheen	19.79	0.00	3490.17
MW - 5	05/07/08	3509.96	sheen	19.73	0.00	3490.23
MW - 5	05/13/08	3509.96	-	19.74	0.00	3490.22
MW - 5	06/30/08	3509.96	20.40	20.41	0.01	3489.56
MW - 5	08/14/08	3509.96	20.62	20.72	0.10	3489.33
MW - 5	08/18/08	3509.96	20.62	20.63	0.01	3489.34
MW - 5	08/28/08	3509.96	sheen	20.56	0.00	3489.40
MW - 5	09/17/08	3509.96	sheen	20.27	0.00	3489.69
MW - 5	09/29/08	3509.96	sheen	20.21	0.00	3489.75
MW - 5	10/06/08	3509.96	sheen	20.23	0.00	3489.73
MW - 5	10/13/08	3509.96	sheen	20.28	0.00	3489.68
MW - 5	10/20/08	3509.96	sheen	20.21	0.00	3489.75
MW - 5	10/29/08	3509.96	sheen	20.18	0.00	3489.78
MW - 5	11/06/08	3509.96	sheen	20.10	0.00	3489.86
MW - 5	11/12/08	3509.96	sheen	20.08	0.00	3489.88
MW - 5	11/13/08	3509.96	sheen	20.08	0.00	3489.88
MW - 5	12/22/08	3509.96	sheen	20.03	0.00	3489.93
MW - 5	01/06/09	3509.96	-	20.01	0.00	3489.95
MW - 5	01/19/09	3509.96	-	19.95	0.00	3490.01
MW - 5	01/26/09	3509.96	-	19.96	0.00	3490.00
MW - 5	02/10/09	3509.96	-	19.93	0.00	3490.03
MW - 5	02/13/09	3509.96	-	19.92	0.00	3490.04
MW - 5	02/16/09	3509.96	-	19.94	0.00	3490.02

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	02/24/09	3509.96	-	19.95	0.00	3490.01
MW - 5	03/02/09	3509.96	-	19.90	0.00	3490.06
MW - 5	03/05/09	3509.96	-	19.96	0.00	3490.00
MW - 5	03/09/09	3509.96	-	19.93	0.00	3490.03
MW - 5	03/16/09	3509.96	-	19.94	0.00	3490.02
MW - 5	03/19/09	3509.96	-	19.92	0.00	3490.04
MW - 5	03/25/09	3509.96	-	19.94	0.00	3490.02
MW - 5	03/30/09	3509.96	-	19.96	0.00	3490.00
MW - 5	04/13/09	3509.96	-	19.85	0.00	3490.11
MW - 5	04/16/09	3509.96	-	20.00	0.00	3489.96
MW - 5	04/21/09	3509.96	-	19.98	0.00	3489.98
MW - 5	04/27/09	3509.96	-	19.91	0.00	3490.05
MW - 5	04/30/09	3509.96	-	19.99	0.00	3489.97
MW - 5	05/06/09	3509.96	-	20.00	0.00	3489.96
MW - 5	05/12/09	3509.96	-	19.88	0.00	3490.08
MW - 5	05/19/09	3509.96	-	20.01	0.00	3489.95
MW - 5	05/26/09	3509.96	-	20.06	0.00	3489.90
MW - 5	06/01/09	3509.96	-	20.15	0.00	3489.81
MW - 5	06/12/09	3509.96	-	20.26	0.00	3489.70
MW - 5	06/22/09	3509.96	-	20.38	0.00	3489.58
MW - 5	06/29/09	3509.96	-	20.42	0.00	3489.54
MW - 5	07/06/09	3509.96	-	20.54	0.00	3489.42
MW - 5	07/09/09	3509.96	-	20.03	0.00	3489.93
MW - 5	07/13/09	3509.96	-	20.05	0.00	3489.91
MW - 5	07/20/09	3509.96	-	20.04	0.00	3489.92
MW - 5	07/23/09	3509.96	-	20.63	0.00	3489.33
MW - 5	07/27/09	3509.96	-	20.65	0.00	3489.31
MW - 5	07/29/09	3509.96	-	20.58	0.00	3489.38
MW - 5	08/03/09	3509.96	-	20.50	0.00	3489.46
MW - 5	08/10/09	3509.96	-	20.62	0.00	3489.34
MW - 5	08/10/09	3509.96	-	20.62	0.00	3489.34
MW - 5	08/18/09	3509.96	-	20.72	0.00	3489.24
MW - 5	08/24/09	3509.96	-	20.79	0.00	3489.17
MW - 5	08/28/09	3509.96	-	20.78	0.00	3489.18
MW - 5	08/31/09	3509.96	-	20.84	0.00	3489.12
MW - 5	09/02/09	3509.96	-	20.58	0.00	3489.38
MW - 5	09/08/09	3509.96	-	20.91	0.00	3489.05
MW - 5	09/10/09	3509.96	-	20.82	0.00	3489.14
MW - 5	09/16/09	3509.96	-	20.84	0.00	3489.12
MW - 5	09/18/09	3509.96	-	20.82	0.00	3489.14
MW - 5	09/22/09	3509.96	-	20.85	0.00	3489.11
MW - 5	09/28/09	3509.96	-	20.79	0.00	3489.17
MW - 5	10/09/09	3509.96	-	20.87	0.00	3489.09
MW - 5	10/12/09	3509.96	-	20.10	0.00	3489.86
MW - 5	10/20/09	3509.96	-	20.96	0.00	3489.00
MW - 5	10/26/09	3509.96	-	20.10	0.00	3489.86
MW - 5	10/28/09	3509.96	-	20.94	0.00	3489.02
MW - 5	11/03/09	3509.96	-	20.85	0.00	3489.11
MW - 5	11/12/09	3509.96	-	20.80	0.00	3489.16
MW - 5	11/18/09	3509.96	-	20.84	0.00	3489.12
MW - 5	12/03/09	3509.96	sheen	20.78	0.00	3489.18
MW - 5	12/11/09	3509.96	sheen	20.72	0.00	3489.24
MW - 5	12/16/09	3509.96	sheen	20.71	0.00	3489.25
MW - 5	12/21/09	3509.96	-	20.74	0.00	3489.22

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	12/28/09	3509.96	-	20.68	0.00	3489.28
MW - 5	01/04/10	3509.96	-	20.68	0.00	3489.28
MW - 5	01/14/10	3509.96	sheen	20.71	0.00	3489.25
MW - 5	01/20/10	3509.96	sheen	20.58	0.00	3489.38
MW - 5	01/25/10	3509.96	-	20.60	0.00	3489.36
MW - 5	01/27/10	3509.96	sheen	20.87	0.00	3489.09
MW - 5	02/01/10	3509.96	sheen	20.58	0.00	3489.38
MW - 5	02/08/10	3509.96	sheen	20.55	0.00	3489.41
MW - 5	02/09/10	3509.96	sheen	20.66	0.00	3489.30
MW - 5	02/19/10	3509.96	sheen	20.58	0.00	3489.38
MW - 5	02/26/10	3509.96	-	20.51	0.00	3489.45
MW - 5	03/01/10	3509.96	-	20.58	0.00	3489.38
MW - 5	03/04/10	3509.96	sheen	20.47	0.00	3489.49
MW - 5	03/08/10	3509.96	sheen	20.50	0.00	3489.46
MW - 5	03/11/10	3509.96	-	20.35	0.00	3489.61
MW - 5	03/15/10	3509.96	-	20.44	0.00	3489.52
MW - 5	03/17/10	3509.96	sheen	20.34	0.00	3489.62
MW - 5	03/22/10	3509.96	-	20.27	0.00	3489.69
MW - 5	03/29/10	3509.96	-	20.24	0.00	3489.72
MW - 5	04/05/10	3509.96	sheen	20.29	0.00	3489.67
MW - 5	04/14/10	3509.96	sheen	20.25	0.00	3489.71
MW - 5	04/16/10	3509.96	-	20.19	0.00	3489.77
MW - 5	04/19/10	3509.96	sheen	20.27	0.00	3489.69
MW - 5	04/28/10	3509.96	sheen	20.23	0.00	3489.73
MW - 5	05/05/10	3509.96	-	20.09	0.00	3489.87
MW - 5	05/12/10	3509.96	sheen	20.21	0.00	3489.75
MW - 5	05/14/10	3509.96	sheen	20.21	0.00	3489.75
MW - 5	05/21/10	3509.96	sheen	20.23	0.00	3489.73
MW - 5	05/26/10	3509.96	sheen	20.26	0.00	3489.70
MW - 5	06/04/10	3509.96	sheen	20.25	0.00	3489.71
MW - 5	06/07/10	3509.96	-	20.45	0.00	3489.51
MW - 5	06/12/10	3509.96	sheen	20.49	0.00	3489.47
MW - 5	06/24/10	3509.96	sheen	20.65	0.00	3489.31
MW - 5	07/07/10	3509.96	sheen	20.22	0.00	3489.74
MW - 5	07/12/10	3509.96	sheen	20.05	0.00	3489.91
MW - 5	07/19/10	3509.96	sheen	19.56	0.00	3490.40
MW - 5	08/03/10	3509.96	sheen	19.91	0.00	3490.05
MW - 5	08/11/10	3509.96	sheen	19.90	0.00	3490.06
MW - 5	08/19/10	3509.96	-	20.02	0.00	3489.94
MW - 5	08/25/10	3509.96	sheen	20.05	0.00	3489.91
MW - 5	09/01/10	3509.96	sheen	20.09	0.00	3489.87
MW - 5	09/09/10	3509.96	sheen	20.20	0.00	3489.76
MW - 5	09/13/10	3509.96	sheen	19.90	0.00	3490.06
MW - 5	09/29/10	3509.96	sheen	18.42	0.00	3491.54
MW - 5	10/05/10	3509.96	sheen	19.91	0.00	3490.05
MW - 5	10/20/10	3509.96	sheen	19.96	0.00	3490.00
MW - 5	10/25/10	3509.96	sheen	19.95	0.00	3490.01
MW - 5	11/03/10	3509.96	sheen	20.06	0.00	3489.90
MW - 5	11/10/10	3509.96	sheen	20.02	0.00	3489.94
MW - 5	11/12/10	3509.96	-	20.02	0.00	3489.94
MW - 5	12/09/10	3509.96	sheen	19.80	0.00	3490.16
MW - 5	01/18/11	3509.96	-	20.02	0.00	3489.94
MW - 5	02/16/11	3509.96	-	20.01	0.00	3489.95
MW - 5	03/01/11	3509.96	sheen	20.25	0.00	3489.71

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	03/07/11	3509.96	sheen	20.20	0.00	3489.76
MW - 5	03/22/11	3509.96	-	20.00	0.00	3489.96
MW - 5	04/27/11	3509.96	sheen	20.16	0.00	3489.80
MW - 5	05/05/11	3509.96	sheen	20.20	0.00	3489.76
MW - 5	05/10/11	3509.96	sheen	20.15	0.00	3489.81
MW - 5	05/17/11	3509.96	sheen	20.21	0.00	3489.75
MW - 5	05/19/11	3509.96	-	20.21	0.00	3489.75
MW - 5	05/24/11	3509.96	sheen	20.37	0.00	3489.59
MW - 5	06/07/11	3509.96	sheen	20.52	0.00	3489.44
MW - 5	06/08/11	3509.96	sheen	20.56	0.00	3489.40
MW - 5	06/14/11	3509.96	sheen	20.58	0.00	3489.38
MW - 5	06/23/11	3509.96	sheen	20.53	0.00	3489.43
MW - 5	06/28/11	3509.96	sheen	20.68	0.00	3489.28
MW - 5	07/06/11	3509.96	sheen	20.81	0.00	3489.15
MW - 5	07/14/11	3509.96	sheen	20.83	0.00	3489.13
MW - 5	07/20/11	3509.96	-	21.89	0.00	3488.07
MW - 5	07/27/11	3509.96	-	21.92	0.00	3488.04
MW - 5	08/03/11	3509.96	-	20.98	0.00	3488.98
MW - 5	08/10/11	3509.96	-	20.04	0.00	3489.92
MW - 5	08/18/11	3509.96	-	21.28	0.00	3488.68
MW - 5	08/25/11	3509.96	-	21.33	0.00	3488.63
MW - 5	09/07/11	3509.96	-	20.10	0.00	3489.86
MW - 5	09/14/11	3509.96	-	21.12	0.00	3488.84
MW - 5	11/14/11	3509.96	-	20.92	0.00	3489.04
MW - 5	12/01/11	3509.96	-	20.89	0.00	3489.07
MW - 5	12/08/11	3509.96	-	20.91	0.00	3489.05
MW - 5	12/14/11	3509.96	-	20.95	0.00	3489.01
MW - 5	01/12/12	3509.96	-	20.80	0.00	3489.16
MW - 5	01/19/12	3509.96	-	20.70	0.00	3489.26
MW - 5	02/03/12	3509.96	-	20.89	0.00	3489.07
MW - 5	02/09/12	3509.96	-	20.59	0.00	3489.37
MW - 5	03/14/12	3509.96	-	20.50	0.00	3489.46
MW - 5	03/19/12	3509.96	-	20.56	0.00	3489.40
MW - 5	03/29/12	3509.96	-	20.46	0.00	3489.50
MW - 5	04/05/12	3509.96	-	20.43	0.00	3489.53
MW - 5	04/18/12	3509.96	-	20.39	0.00	3489.57
MW - 5	04/27/12	3509.96	-	20.43	0.00	3489.53
MW - 5	05/02/12	3509.96	-	20.53	0.00	3489.43
MW - 5	05/31/12	3509.96	-	20.45	0.00	3489.51
MW - 5	06/08/12	3509.96	-	20.50	0.00	3489.46
MW - 5	06/12/12	3509.96	-	20.59	0.00	3489.37
MW - 5	06/21/12	3509.96	-	20.59	0.00	3489.37
MW - 5	06/29/12	3509.96	-	20.68	0.00	3489.28
MW - 5	07/13/12	3509.96	-	20.86	0.00	3489.10
MW - 5	12/06/12	3509.96	-	20.82	0.00	3489.14
MW - 5	12/11/12	3509.96	-	20.84	0.00	3489.12
MW - 5	12/18/12	3509.96	-	20.84	0.00	3489.12
MW - 5	01/09/13	3509.96	-	20.81	0.00	3489.15
MW - 5	01/15/13	3509.96	-	20.77	0.00	3489.19
MW - 5	01/23/13	3509.96	-	20.81	0.00	3489.15
MW - 5	01/29/13	3509.96	-	20.75	0.00	3489.21
MW - 5	02/07/13	3509.96	-	20.74	0.00	3489.22
MW - 5	02/13/13	3509.96	-	20.70	0.00	3489.26
MW - 5	02/20/13	3509.96	20.02	23.02	3.00	3489.49

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	03/15/13	3509.96	-	20.64	0.00	3489.32
MW - 5	03/19/13	3509.96	-	20.66	0.00	3489.30
MW - 5	04/02/13	3509.96	-	20.62	0.00	3489.34
MW - 5	04/09/13	3509.96	-	20.58	0.00	3489.38
MW - 5	04/16/13	3509.96	-	20.61	0.00	3489.35
MW - 5	04/23/13	3509.96	-	20.58	0.00	3489.38
MW - 5	04/30/13	3509.96	19.95	20.29	0.34	3489.96
MW - 5	05/08/13	3509.96	-	20.57	0.00	3489.39
MW - 5	05/14/13	3509.96	-	20.54	0.00	3489.42
MW - 5	05/22/13	3509.96	-	20.56	0.00	3489.40
MW - 5	05/28/13	3509.96	-	20.57	0.00	3489.39
MW - 5	06/04/13	3509.96	-	20.63	0.00	3489.33
MW - 5	06/11/13	3509.96	-	20.68	0.00	3489.28
MW - 5	06/19/13	3509.96	-	20.77	0.00	3489.19
MW - 5	06/28/13	3509.96	-	20.92	0.00	3489.04
MW - 5	07/01/13	3509.96	-	20.96	0.00	3489.00
MW - 5	07/08/13	3509.96	-	21.06	0.00	3488.90
MW - 5	07/23/13	3509.96	-	21.04	0.00	3488.92
MW - 5	07/30/13	3509.96	-	20.95	0.00	3489.01
MW - 5	08/05/13	3509.96	-	20.95	0.00	3489.01
MW - 5	08/12/13	3509.96	-	20.99	0.00	3488.97
MW - 5	08/22/13	3509.96	-	21.09	0.00	3488.87
MW - 5	08/29/13	3509.96	-	21.17	0.00	3488.79
MW - 5	09/05/13	3509.96	-	21.21	0.00	3488.75
MW - 5	09/10/13	3509.96	-	21.30	0.00	3488.66
MW - 5	09/17/13	3509.96	-	21.39	0.00	3488.57
MW - 5	09/24/13	3509.96	-	21.38	0.00	3488.58
MW - 5	10/07/13	3509.96	-	21.45	0.00	3488.51
MW - 5	11/14/13	-	-	24.00	0.00	-
MW - 5	11/21/13	-	-	24.03	0.00	-
MW - 5	12/12/13	-	-	23.94	0.00	-
MW - 5	12/19/13	-	-	23.92	0.00	-
MW - 5	01/03/14	-	-	23.87	0.00	-
MW - 5	01/09/14	-	-	23.89	0.00	-
MW - 5	01/13/14	-	-	23.86	0.00	-
MW - 5	01/21/14	-	-	23.83	0.00	-
MW - 5	01/24/14	-	-	23.87	0.00	-
MW - 5	02/04/14	3513.99	-	23.78	0.00	3490.21
MW - 5	02/10/14	3513.99	-	23.82	0.00	3490.17
MW - 5	02/27/14	3513.99	-	23.82	0.00	3490.17
MW - 5	03/17/14	3513.99	-	23.66	0.00	3490.33
MW - 5	03/27/14	3513.99	-	23.62	0.00	3490.37
MW - 5	04/02/14	3513.99	-	23.68	0.00	3490.31
MW - 5	04/16/14	3513.99	-	23.62	0.00	3490.37
MW - 5	04/22/14	3513.99	-	23.60	0.00	3490.39
MW - 5	04/28/14	3513.99	-	23.62	0.00	3490.37
MW - 5	05/06/14	3513.99	-	23.60	0.00	3490.39
MW - 5	05/13/14	3513.99	-	23.64	0.00	3490.35
MW - 5	05/14/14	3513.99	-	23.62	0.00	3490.37
MW - 5	05/21/14	3513.99	-	23.65	0.00	3490.34
MW - 5	06/05/14	3513.99	-	23.86	0.00	3490.13
MW - 5	06/11/14	3513.99	-	23.93	0.00	3490.06
MW - 5	06/16/14	3513.99	-	24.02	0.00	3489.97
MW - 5	06/24/14	3513.99	-	24.11	0.00	3489.88

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	07/01/14	3513.99	-	24.14	0.00	3489.85
MW - 5	07/08/14	3513.99	-	24.22	0.00	3489.77
MW - 5	07/15/14	3513.99	-	24.25	0.00	3489.74
MW - 5	07/22/14	3513.99	-	24.34	0.00	3489.65
MW - 5	07/23/14	3513.99	-	24.34	0.00	3489.65
MW - 5	07/31/14	3513.99	-	24.38	0.00	3489.61
MW - 5	08/05/14	3513.99	-	24.42	0.00	3489.57
MW - 5	08/07/14	3513.99	-	24.42	0.00	3489.57
MW - 5	08/15/14	3513.99	-	24.44	0.00	3489.55
MW - 5	08/20/14	3513.99	-	24.45	0.00	3489.54
MW - 5	08/27/14	3513.99	-	24.47	0.00	3489.52
MW - 5	09/24/14	3513.99	-	23.88	0.00	3490.11
MW - 5	10/01/14	3513.99	-	23.60	0.00	3490.39
MW - 5	10/07/14	3513.99	-	23.48	0.00	3490.51
MW - 5	10/14/14	3513.99	-	23.41	0.00	3490.58
MW - 5	10/20/14	3513.99	-	23.37	0.00	3490.62
MW - 5	10/27/14	3513.99	-	23.34	0.00	3490.65
MW - 5	11/03/14	3513.99	-	23.32	0.00	3490.67
MW - 5	11/11/14	3513.99	-	23.30	0.00	3490.69
MW - 5	11/19/14	3513.99	-	23.29	0.00	3490.70
MW - 5	12/08/14	3513.99	-	23.26	0.00	3490.73
MW - 5	12/15/14	3513.99	-	23.30	0.00	3490.69
MW - 5	12/22/14	3513.99	-	23.24	0.00	3490.75
MW - 5	12/29/14	3513.99	-	23.23	0.00	3490.76
MW - 5	01/05/15	3513.99	-	23.24	0.00	3490.75
MW - 5	01/12/15	3513.99	-	23.25	0.00	3490.74
MW - 5	01/19/15	3513.99	-	23.21	0.00	3490.78
MW - 5	02/04/15	3513.99	-	23.22	0.00	3490.77
MW - 5	02/19/15	3513.99	-	23.18	0.00	3490.81
MW - 5	03/03/15	3513.99	-	23.17	0.00	3490.82
MW - 5	03/09/15	3513.99	-	23.20	0.00	3490.79
MW - 5	03/16/15	3513.99	-	23.19	0.00	3490.80
MW - 5	03/20/15	3513.99	-	23.18	0.00	3490.81
MW - 5	03/23/15	3513.99	-	23.15	0.00	3490.84
MW - 5	03/30/15	3513.99	-	23.11	0.00	3490.88
MW - 5	04/04/15	3513.99	-	23.18	0.00	3490.81
MW - 5	04/07/15	3513.99	-	23.12	0.00	3490.87
MW - 5	04/14/15	3513.99	-	23.12	0.00	3490.87
MW - 5	04/20/15	3513.99	-	23.07	0.00	3490.92
MW - 5	04/27/15	3513.99	-	23.06	0.00	3490.93
MW - 5	05/07/15	3513.99	-	23.06	0.00	3490.93
MW - 5	05/11/15	3513.99	-	23.06	0.00	3490.93
MW - 5	05/21/15	3513.99	-	23.04	0.00	3490.95
MW - 5	05/27/15	3513.99	-	23.00	0.00	3490.99
MW - 5	05/28/15	3513.99	-	23.02	0.00	3490.97
MW - 5	06/03/15	3513.99	-	23.00	0.00	3490.99
MW - 5	06/08/15	3513.99	-	23.01	0.00	3490.98
MW - 5	06/15/15	3513.99	-	23.04	0.00	3490.95
MW - 5	06/25/15	3513.99	-	20.53	0.00	3493.46
MW - 5	06/29/15	3513.99	-	23.03	0.00	3490.96
MW - 5	07/08/15	3513.99	-	23.16	0.00	3490.83
MW - 5	07/09/15	3513.99	-	23.13	0.00	3490.86
MW - 5	07/14/15	3513.99	-	23.21	0.00	3490.78
MW - 5	07/20/15	3513.99	-	23.29	0.00	3490.70



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	07/28/15	3513.99	-	23.37	0.00	3490.62
MW - 5	08/03/15	3513.99	-	23.41	0.00	3490.58
MW - 5	08/04/15	3513.99	-	23.42	0.00	3490.57
MW - 5	08/10/15	3513.99	-	23.45	0.00	3490.54
MW - 5	08/17/15	3513.99	-	23.49	0.00	3490.50
MW - 5	09/08/15	3513.99	-	23.54	0.00	3490.45
MW - 5	09/15/15	3513.99	-	23.58	0.00	3490.41
MW - 5	09/24/15	3513.99	-	23.65	0.00	3490.34
MW - 5	09/28/15	3513.99	-	23.61	0.00	3490.38
MW - 5	10/06/15	3513.99	-	23.60	0.00	3490.39
MW - 5	10/12/15	3513.99	-	23.49	0.00	3490.50
MW - 5	10/26/15	3513.99	-	23.41	0.00	3490.58
MW - 5	11/06/15	3513.99	-	23.28	0.00	3490.71
MW - 5	11/10/15	3513.99	-	23.26	0.00	3490.73
MW - 5	11/18/15	3513.99	-	23.30	0.00	3490.69
MW - 5	12/02/15	3513.99	-	23.18	0.00	3490.81
MW - 5	12/07/15	3513.99	-	23.81	0.00	3490.18
MW - 5	12/14/15	3513.99	-	23.13	0.00	3490.86
MW - 5	01/05/16	3513.99	-	23.08	0.00	3490.91
MW - 5	01/08/16	3513.99	-	23.09	0.00	3490.90
MW - 5	01/12/16	3513.99	-	23.10	0.00	3490.89
MW - 5	01/18/16	3513.99	-	23.10	0.00	3490.89
MW - 5	01/25/16	3513.99	-	23.05	0.00	3490.94
MW - 5	02/01/16	3513.99	-	23.02	0.00	3490.97
MW - 5	02/08/16	3513.99	-	23.02	0.00	3490.97
MW - 5	02/19/16	3513.99	-	23.00	0.00	3490.99
MW - 5	02/23/16	3513.99	-	22.97	0.00	3491.02
MW - 5	03/03/16	3513.99	-	23.00	0.00	3490.99
MW - 5	03/07/16	3513.99	-	22.94	0.00	3491.05
MW - 5	03/15/16	3513.99	-	22.89	0.00	3491.10
MW - 5	03/21/16	3513.99	-	22.94	0.00	3491.05
MW - 5	03/28/16	3513.99	-	22.92	0.00	3491.07
MW - 5	04/05/16	3513.99	-	22.88	0.00	3491.11
MW - 5	04/08/16	3513.99	-	22.91	0.00	3491.08
MW - 5	04/12/16	3513.99	-	22.91	0.00	3491.08
MW - 5	04/18/16	3513.99	-	22.88	0.00	3491.11
MW - 5	04/25/16	3513.99	-	22.85	0.00	3491.14
MW - 5	05/02/16	3513.99	-	22.84	0.00	3491.15
MW - 5	05/23/16	3513.99	-	22.81	0.00	3491.18
MW - 5	06/01/16	3513.99	-	22.93	0.00	3491.06
MW - 5	06/06/16	3513.99	-	23.14	0.00	3490.85
MW - 5	06/28/16	3513.99	-	23.33	0.00	3490.66
MW - 5	07/12/16	3513.99	-	23.55	0.00	3490.44
MW - 5	07/19/16	3513.99	-	23.57	0.00	3490.42
MW - 5	07/27/16	3513.99	-	23.67	0.00	3490.32
MW - 5	08/03/16	3513.99	-	23.68	0.00	3490.31
MW - 5	08/08/16	3513.99	-	23.76	0.00	3490.23
MW - 5	08/16/16	3513.99	-	23.77	0.00	3490.22
MW - 5	08/23/16	3513.99	-	23.74	0.00	3490.25
MW - 5	08/31/16	3513.99	-	23.57	0.00	3490.42
MW - 5	09/14/16	3513.99	-	22.97	0.00	3491.02
MW - 5	09/22/16	3513.99	-	22.80	0.00	3491.19
MW - 5	09/27/16	3513.99	-	22.74	0.00	3491.25
MW - 5	10/07/16	3513.99	-	22.66	0.00	3491.33

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	10/21/16	3513.99	-	22.60	0.00	3491.39
MW - 5	10/28/16	3513.99	-	22.59	0.00	3491.40
MW - 5	11/04/16	3513.99	-	22.60	0.00	3491.39
MW - 5	11/09/16	3513.99	-	22.58	0.00	3491.41
MW - 5	12/06/16	3513.99	-	22.57	0.00	3491.42
MW - 5	12/15/16	3513.99	-	22.58	0.00	3491.41
MW - 5	12/29/16	3513.99	-	22.62	0.00	3491.37
MW - 5	01/11/17	3513.99	-	22.56	0.00	3491.43
MW - 5	01/18/17	3513.99	-	22.56	0.00	3491.43
MW - 5	01/26/17	3513.99	-	22.60	0.00	3491.39
MW - 5	01/31/17	3513.99	-	22.57	0.00	3491.42
MW - 5	02/10/17	3513.99	-	22.59	0.00	3491.40
MW - 5	02/17/17	3513.99	-	22.55	0.00	3491.44
MW - 5	02/24/17	3513.99	-	22.56	0.00	3491.43
MW - 5	03/01/17	3513.99	-	22.59	0.00	3491.40
MW - 5	03/09/17	3513.99	-	22.56	0.00	3491.43
MW - 5	03/15/17	3513.99	-	22.55	0.00	3491.44
MW - 5	03/22/17	3513.99	-	22.56	0.00	3491.43
MW - 5	03/29/17	3513.99	-	22.57	0.00	3491.42
MW - 5	04/07/17	3513.99	-	22.52	0.00	3491.47
MW - 5	04/11/17	3513.99	-	22.48	0.00	3491.51
MW - 5	04/20/17	3513.99	-	22.46	0.00	3491.53
MW - 5	05/02/17	3513.99	-	22.45	0.00	3491.54
MW - 5	05/12/17	3513.99	-	22.49	0.00	3491.50
MW - 5	05/16/17	3513.99	-	22.51	0.00	3491.48
MW - 5	05/23/17	3513.99	-	22.59	0.00	3491.40
MW - 5	06/05/17	3513.99	-	22.67	0.00	3491.32
MW - 5	06/15/17	3513.99	-	22.88	0.00	3491.11
MW - 5	06/28/17	3513.99	-	23.01	0.00	3490.98
MW - 5	07/05/17	3513.99	-	23.10	0.00	3490.89
MW - 5	07/11/17	3513.99	-	23.14	0.00	3490.85
MW - 5	07/17/17	3513.99	-	23.20	0.00	3490.79
MW - 5	07/20/17	3513.99	-	23.79	0.00	3490.20
MW - 5	08/16/17	3513.99	-	23.11	0.00	3490.88
MW - 5	09/05/17	3513.99	-	22.89	0.00	3491.10
MW - 5	09/13/17	3513.99	-	22.90	0.00	3491.09
MW - 5	09/19/17	3513.99	-	23.01	0.00	3490.98
MW - 5	09/29/17	3513.99	-	23.06	0.00	3490.93
MW - 5	10/05/17	3513.99	-	23.10	0.00	3490.89
MW - 5	10/12/17	3513.99	-	22.84	0.00	3491.15
MW - 5	10/20/17	3513.99	-	22.86	0.00	3491.13
MW - 5	10/24/17	3513.99	-	22.79	0.00	3491.20
MW - 5	11/02/17	3513.99	-	22.75	0.00	3491.24
MW - 5	11/14/17	3513.99	-	22.70	0.00	3491.29
MW - 5	12/20/17	3513.99	-	22.63	0.00	3491.36
MW - 5	12/28/17	3513.99	-	22.61	0.00	3491.38
MW - 5	01/03/18	3513.99	-	22.61	0.00	3491.38
MW - 5	01/09/18	3513.99	-	22.58	0.00	3491.41
MW - 5	01/19/18	3513.99	-	22.58	0.00	3491.41
MW - 5	01/24/18	3513.99	-	22.59	0.00	3491.40
MW - 5	02/08/18	3513.99	-	22.61	0.00	3491.38
MW - 5	02/12/18	3513.99	-	22.56	0.00	3491.43
MW - 5	02/22/18	3513.99	-	22.56	0.00	3491.43
MW - 5	03/02/18	3513.99	-	22.54	0.00	3491.45

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	03/07/18	3513.99	-	22.54	0.00	3491.45
MW - 5	03/19/18	3513.99	-	22.53	0.00	3491.46
MW - 5	03/29/18	3513.99	-	22.52	0.00	3491.47
MW - 5	04/02/18	3513.99	-	22.49	0.00	3491.50
MW - 5	04/11/18	3513.99	-	22.48	0.00	3491.51
MW - 5	04/16/18	3513.99	-	22.49	0.00	3491.50
MW - 5	04/25/18	3513.99	-	22.49	0.00	3491.50
MW - 5	05/01/18	3513.99	-	22.52	0.00	3491.47
MW - 5	05/08/18	3513.99	-	22.54	0.00	3491.45
MW - 5	05/21/18	3513.99	-	22.77	0.00	3491.22
MW - 5	05/31/18	3513.99	-	22.98	0.00	3491.01
MW - 5	06/06/18	3513.99	-	22.96	0.00	3491.03
MW - 5	06/13/18	3513.99	-	23.02	0.00	3490.97
MW - 5	06/18/18	3513.99	-	23.25	0.00	3490.74
MW - 5	06/25/18	3513.99	-	23.18	0.00	3490.81
MW - 5	07/02/18	3513.99	-	23.27	0.00	3490.72
MW - 5	07/11/18	3513.99	-	23.33	0.00	3490.66
MW - 5	07/19/18	3513.99	-	23.32	0.00	3490.67
MW - 5	07/27/18	3513.99	-	23.40	0.00	3490.59
MW - 5	08/08/18	3513.99	-	23.46	0.00	3490.53
MW - 5	08/30/18	3513.99	-	23.56	0.00	3490.43
MW - 5	09/12/18	3513.99	-	23.46	0.00	3490.53
MW - 5	09/20/18	3513.99	-	23.40	0.00	3490.59
MW - 5	09/26/18	3513.99	-	23.49	0.00	3490.50
MW - 5	10/03/18	3513.99	-	23.37	0.00	3490.62
MW - 5	10/19/18	3513.99	-	23.36	0.00	3490.63
MW - 5	10/31/18	3513.99	-	23.24	0.00	3490.75
MW - 5	11/06/18	3513.99	-	23.34	0.00	3490.65
MW - 5	11/13/18	3513.99	-	23.29	0.00	3490.70
MW - 5	12/03/18	3513.99	-	23.20	0.00	3490.79
MW - 5	12/27/18	3513.99	-	22.98	0.00	3491.01
MW - 5	01/03/19	3513.99	-	23.07	0.00	3490.92
MW - 5	01/09/19	3513.99	-	22.95	0.00	3491.04
MW - 5	01/16/19	3513.99	-	23.01	0.00	3490.98
MW - 5	02/12/19	3513.99	-	22.92	0.00	3491.07
MW - 5	02/28/19	3513.99	-	22.91	0.00	3491.08
MW - 5	03/06/19	3513.99	-	22.86	0.00	3491.13
MW - 5	03/12/19	3513.99	-	22.86	0.00	3491.13
MW - 5	03/06/19	3513.99	-	22.86	0.00	3491.13
MW - 5	03/19/19	3513.99	-	22.89	0.00	3491.10
MW - 5	03/28/19	3513.99	-	22.83	0.00	3491.16
MW - 5	04/01/19	3513.99	-	22.78	0.00	3491.21
MW - 5	04/10/19	3513.99	-	22.76	0.00	3491.23
MW - 5	04/17/19	3513.99	-	22.77	0.00	3491.22
MW - 5	04/24/19	3513.99	-	22.77	0.00	3491.22
MW - 5	05/01/19	3513.99	-	22.78	0.00	3491.21
MW - 5	05/08/19	3513.99	-	22.78	0.00	3491.21
MW - 5	06/14/19	3513.99	-	23.07	0.00	3490.92
MW - 5	07/11/19	3513.99	-	23.34	0.00	3490.65
MW - 5	08/08/19	3513.99	-	23.54	0.00	3490.45
MW - 5	09/12/19	3513.99	-	23.71	0.00	3490.28
MW - 5	09/17/19	3513.99	-	23.73	0.00	3490.26
MW - 5	10/15/19	3513.99	-	23.49	0.00	3490.50
MW - 5	11/06/19	3513.99	-	23.40	0.00	3490.59

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 5	11/13/19	3513.99	-	23.36	0.00	3490.63
MW - 5	12/17/19	3513.99	-	23.17	0.00	3490.82
MW - 5	01/06/20	3513.99	-	23.12	0.00	3490.87
MW - 5	01/23/20	3513.99	-	23.06	0.00	3490.93
MW - 5	01/29/20	3513.99	-	23.06	0.00	3490.93
MW - 5	02/28/20	3513.99	-	23.00	0.00	3490.99
MW - 5	03/04/20	3513.99	-	22.46	0.00	3491.53
MW - 5	05/14/20	3513.99	-	22.78	0.00	3491.21
MW - 5	06/17/20	3513.99	-	23.30	0.00	3490.69
MW - 5	07/21/20	3513.99	-	23.62	0.00	3490.37
MW - 5	08/13/20	3513.99	-	23.75	0.00	3490.24
MW - 5	09/14/20	3513.99	-	23.86	0.00	3490.13
MW - 5	12/09/20	3513.99	-	23.91	0.00	3490.08
MW - 5	01/13/21	3513.99	-	23.85	0.00	3490.14
MW - 5	02/11/21	3513.99	-	23.78	0.00	3490.21
MW - 5	04/21/21	3513.99	-	23.65	0.00	3490.34
MW - 5	06/11/21	3513.99	-	23.69	0.00	3490.30
MW - 5	07/31/21	3513.99	-	23.66	0.00	3490.33
MW - 5	09/23/21	3513.99	-	24.03	0.00	3489.96
MW - 5	10/14/21	3513.99	-	24.06	0.00	3489.93
MW - 5	12/06/21	3513.99	-	24.03	0.00	3489.96
MW - 5	03/15/22	3513.99	-	23.91	0.00	3490.08
MW - 5	04/20/22	3513.99	-	23.88	0.00	3490.11
MW - 5	05/10/22	3513.99	-	24.02	0.00	3489.97
MW - 5	08/16/22	3513.99	-	24.54	0.00	3489.45
MW - 5	11/09/22	3513.99	-	24.20	0.00	3489.79
MW - 6	06/20/02	3507.94	-	19.48	0.00	3488.46
MW - 6	09/26/02	3507.94	19.84	20.02	0.18	3488.07
MW - 6	11/07/02	3507.94	19.82	20.11	0.29	3488.08
MW - 6	11/12/02	3507.94	19.79	20.11	0.32	3488.10
MW - 6	01/07/03	3507.94	19.53	20.05	0.52	3488.33
MW - 6	01/27/03	3507.94	19.53	19.70	0.17	3488.38
MW - 6	03/11/03	3507.94	19.38	19.86	0.48	3488.49
MW - 6	03/19/03	3507.94	19.40	19.87	0.47	3488.47
MW - 6	04/16/03	3507.94	19.28	19.55	0.27	3488.62
MW - 6	05/14/03	3507.94	19.40	20.17	0.77	3488.42
MW - 6	05/20/03	3507.94	19.60	20.41	0.81	3488.22
MW - 6	05/27/03	3507.94	19.63	20.21	0.58	3488.22
MW - 6	06/04/03	3507.94	19.60	20.14	0.54	3488.26
MW - 6	07/07/03	3507.94	20.09	20.54	0.45	3487.78
MW - 6	07/30/03	3507.94	20.16	20.58	0.42	3487.72
MW - 6	08/06/03	3507.94	20.39	20.90	0.51	3487.47
MW - 6	08/21/03	3507.94	20.58	21.00	0.42	3487.30
MW - 6	08/26/03	3507.94	20.67	20.92	0.25	3487.23
MW - 6	09/08/03	3507.94	20.51	20.89	0.38	3487.37
MW - 6	09/15/03	3507.94	20.53	20.91	0.38	3487.35
MW - 6	09/24/03	3507.94	20.81	21.18	0.37	3487.07
MW - 6	10/02/03	3507.94	20.61	20.99	0.38	3487.27
MW - 6	10/08/03	3507.94	20.52	20.76	0.24	3487.38
MW - 6	10/16/03	3507.94	20.83	21.09	0.26	3487.07
MW - 6	10/28/03	3507.94	20.83	21.14	0.31	3487.06
MW - 6	11/11/03	3507.94	20.95	21.07	0.12	3486.97
MW - 6	11/18/03	3507.94	20.66	20.81	0.15	3487.26

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	12/10/03	3507.94	20.53	21.08	0.55	3487.33
MW - 6	02/02/04	3507.94	20.88	21.09	0.21	3487.03
MW - 6	02/26/04	3507.94	20.41	20.85	0.44	3487.46
MW - 6	03/16/04	3507.94	20.62	21.17	0.55	3487.24
MW - 6	03/19/04	3507.94	20.60	21.09	0.49	3487.27
MW - 6	03/25/04	3507.94	20.56	21.14	0.58	3487.29
MW - 6	04/01/04	3507.94	20.22	20.87	0.65	3487.62
MW - 6	04/08/04	3507.94	20.47	21.10	0.63	3487.38
MW - 6	04/14/04	3507.94	19.92	20.63	0.71	3487.91
MW - 6	04/16/04	3507.94	20.06	20.47	0.41	3487.82
MW - 6	04/22/04	3507.94	19.27	19.48	0.21	3488.64
MW - 6	04/29/04	3507.94	19.22	19.40	0.18	3488.69
MW - 6	05/11/04	3507.94	19.20	19.24	0.04	3488.73
MW - 6	06/08/04	3507.94	19.26	19.55	0.29	3488.64
MW - 6	06/17/04	3507.94	19.23	19.53	0.30	3488.67
MW - 6	06/22/04	3507.94	19.26	19.51	0.25	3488.64
MW - 6	06/29/04	3507.94	19.24	19.55	0.31	3488.65
MW - 6	07/06/04	3507.94	19.27	19.72	0.45	3488.60
MW - 6	07/13/04	3507.94	19.31	19.74	0.43	3488.57
MW - 6	07/20/04	3507.94	19.40	20.10	0.70	3488.44
MW - 6	08/04/04	3507.94	19.44	20.00	0.56	3488.42
MW - 6	08/10/04	3507.94	19.42	20.02	0.60	3488.43
MW - 6	08/16/04	3507.94	19.92	20.30	0.38	3487.96
MW - 6	08/23/04	3507.94	19.53	19.97	0.44	3488.34
MW - 6	08/25/04	3507.94	19.68	21.40	1.72	3488.00
MW - 6	08/26/04	3507.94	19.55	19.95	0.40	3488.33
MW - 6	08/31/04	3507.94	19.61	19.96	0.35	3488.28
MW - 6	09/13/04	3507.94	19.70	19.98	0.28	3488.20
MW - 6	09/20/04	3507.94	19.78	19.96	0.18	3488.13
MW - 6	09/30/04	3507.94	19.85	19.98	0.13	3488.07
MW - 6	10/04/04	3507.94	19.29	19.42	0.13	3488.63
MW - 6	10/11/04	3507.94	19.10	19.19	0.09	3488.83
MW - 6	10/18/04	3507.94	sheen	19.10	0.00	3488.84
MW - 6	10/26/04	3507.94	sheen	19.16	0.00	3488.78
MW - 6	11/02/04	3507.94	sheen	19.10	0.00	3488.84
MW - 6	11/08/04	3507.94	19.01	19.03	0.02	3488.93
MW - 6	11/15/04	3507.94	19.00	19.01	0.01	3488.94
MW - 6	12/01/04	3507.94	sheen	18.92	0.00	3489.02
MW - 6	12/03/04	3507.94	-	18.92	0.00	3489.02
MW - 6	12/14/04	3507.94	18.77	18.81	0.04	3489.16
MW - 6	12/21/04	3507.94	sheen	18.82	0.00	3489.12
MW - 6	12/29/04	3507.94	sheen	18.68	0.00	3489.26
MW - 6	01/11/05	3507.94	sheen	18.61	0.00	3489.33
MW - 6	01/14/05	3507.94	sheen	18.58	0.00	3489.36
MW - 6	01/18/05	3507.94	sheen	18.57	0.00	3489.37
MW - 6	01/21/05	3507.94	sheen	18.50	0.00	3489.44
MW - 6	01/25/05	3507.94	sheen	18.49	0.00	3489.45
MW - 6	01/28/05	3507.94	sheen	18.47	0.00	3489.47
MW - 6	02/02/05	3507.94	sheen	18.94	0.00	3489.00
MW - 6	02/05/05	3507.94	sheen	18.48	0.00	3489.46
MW - 6	02/08/05	3507.94	sheen	18.39	0.00	3489.55
MW - 6	02/11/05	3507.94	sheen	18.39	0.00	3489.55
MW - 6	02/15/05	3507.94	sheen	18.34	0.00	3489.60
MW - 6	02/18/05	3507.94	sheen	18.32	0.00	3489.62

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	02/22/05	3507.94	sheen	18.30	0.00	3489.64
MW - 6	02/25/05	3507.94	sheen	18.29	0.00	3489.65
MW - 6	03/01/05	3507.94	sheen	18.23	0.00	3489.71
MW - 6	03/04/05	3507.94	sheen	18.24	0.00	3489.70
MW - 6	03/08/05	3507.94	sheen	18.16	0.00	3489.78
MW - 6	03/08/05	3507.94	sheen	18.16	0.00	3489.78
MW - 6	03/11/05	3507.94	sheen	18.20	0.00	3489.74
MW - 6	03/15/05	3507.94	sheen	18.18	0.00	3489.76
MW - 6	03/18/05	3507.94	sheen	18.17	0.00	3489.77
MW - 6	03/22/05	3507.94	sheen	18.17	0.00	3489.77
MW - 6	03/28/05	3507.94	sheen	18.04	0.00	3489.90
MW - 6	04/01/05	3507.94	sheen	19.36	0.00	3488.58
MW - 6	04/05/05	3507.94	sheen	18.00	0.00	3489.94
MW - 6	04/08/05	3507.94	sheen	18.01	0.00	3489.93
MW - 6	04/12/05	3507.94	sheen	17.97	0.00	3489.97
MW - 6	04/15/05	3507.94	sheen	17.97	0.00	3489.97
MW - 6	05/25/05	3507.94	sheen	17.76	0.00	3490.18
MW - 6	05/27/05	3507.94	sheen	17.75	0.00	3490.19
MW - 6	05/31/05	3507.94	sheen	17.73	0.00	3490.21
MW - 6	06/03/05	3507.94	sheen	17.72	0.00	3490.22
MW - 6	06/06/05	3507.94	sheen	17.72	0.00	3490.22
MW - 6	06/08/05	3507.94	sheen	17.72	0.00	3490.22
MW - 6	06/13/05	3507.94	sheen	17.71	0.00	3490.23
MW - 6	06/20/05	3507.94	sheen	17.74	0.00	3490.20
MW - 6	06/24/05	3507.94	sheen	17.76	0.00	3490.18
MW - 6	06/27/05	3507.94	sheen	17.79	0.00	3490.15
MW - 6	07/11/05	3507.94	sheen	17.95	0.00	3489.99
MW - 6	07/15/05	3507.94	sheen	18.00	0.00	3489.94
MW - 6	07/18/05	3507.94	sheen	18.04	0.00	3489.90
MW - 6	07/21/05	3507.94	sheen	18.06	0.00	3489.88
MW - 6	07/25/05	3507.94	sheen	18.14	0.00	3489.80
MW - 6	08/01/05	3507.94	sheen	18.17	0.00	3489.77
MW - 6	08/04/05	3507.94	sheen	18.19	0.00	3489.75
MW - 6	08/12/05	3507.94	18.22	18.25	0.03	3489.72
MW - 6	08/15/05	3507.94	18.21	18.24	0.03	3489.73
MW - 6	08/23/05	3507.94	18.04	18.06	0.02	3489.90
MW - 6	08/30/05	3507.94	17.97	18.02	0.05	3489.96
MW - 6	09/06/05	3507.94	17.91	17.96	0.05	3490.02
MW - 6	09/13/05	3507.94	17.94	18.03	0.09	3489.99
MW - 6	09/15/05	3507.94	17.96	18.04	0.08	3489.97
MW - 6	09/19/05	3507.94	17.97	18.15	0.18	3489.94
MW - 6	09/27/05	3507.94	18.05	18.07	0.02	3489.89
MW - 6	10/03/05	3507.94	18.03	18.23	0.20	3489.88
MW - 6	10/08/05	3507.94	17.81	17.96	0.15	3490.11
MW - 6	10/10/05	3507.94	18.00	18.25	0.25	3489.90
MW - 6	10/17/05	3507.94	17.95	18.10	0.15	3489.97
MW - 6	10/24/05	3507.94	17.96	18.06	0.10	3489.97
MW - 6	10/31/05	3507.94	17.86	17.91	0.05	3490.07
MW - 6	11/15/05	3507.94	17.98	18.11	0.13	3489.94
MW - 6	11/22/05	3507.94	17.96	18.06	0.10	3489.97
MW - 6	11/27/05	3507.94	17.80	18.14	0.34	3490.09
MW - 6	12/07/05	3507.94	17.82	17.91	0.09	3490.11
MW - 6	12/12/05	3507.94	17.72	17.94	0.22	3490.19
MW - 6	12/16/05	3507.94	17.72	17.90	0.18	3490.19

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	12/22/05	3507.94	17.77	17.95	0.18	3490.14
MW - 6	12/27/05	3507.94	17.79	17.90	0.11	3490.13
MW - 6	01/03/06	3507.94	17.78	17.88	0.10	3490.15
MW - 6	01/09/06	3507.94	17.80	18.10	0.30	3490.10
MW - 6	01/16/06	3507.94	17.74	17.99	0.25	3490.16
MW - 6	01/23/06	3507.94	17.84	18.10	0.26	3490.06
MW - 6	01/30/06	3507.94	17.78	18.08	0.30	3490.12
MW - 6	02/06/06	3507.94	17.75	18.08	0.33	3490.14
MW - 6	02/14/06	3507.94	17.72	17.97	0.25	3490.18
MW - 6	02/21/06	3507.94	17.72	17.73	0.01	3490.22
MW - 6	03/01/06	3507.94	17.70	17.75	0.05	3490.23
MW - 6	03/06/06	3507.94	17.72	17.90	0.18	3490.19
MW - 6	03/15/06	3507.94	17.72	17.97	0.25	3490.18
MW - 6	03/16/06	3507.94	17.74	18.48	0.74	3490.09
MW - 6	03/21/06	3507.94	17.73	18.05	0.32	3490.16
MW - 6	03/28/06	3507.94	17.78	18.00	0.22	3490.13
MW - 6	04/03/06	3507.94	17.67	17.90	0.23	3490.24
MW - 6	04/10/06	3507.94	17.34	17.64	0.30	3490.56
MW - 6	04/17/06	3507.94	17.67	17.94	0.27	3490.23
MW - 6	05/01/06	3507.94	17.65	17.79	0.14	3490.27
MW - 6	05/08/06	3507.94	17.67	17.81	0.14	3490.25
MW - 6	05/15/06	3507.94	17.73	17.94	0.21	3490.18
MW - 6	05/30/06	3507.94	17.91	18.41	0.50	3489.96
MW - 6	06/05/06	3507.94	18.04	19.09	1.05	3489.74
MW - 6	06/12/06	3507.94	18.14	18.74	0.60	3489.71
MW - 6	06/15/06	3507.94	18.19	18.69	0.50	3489.68
MW - 6	06/19/06	3507.94	18.27	19.07	0.80	3489.55
MW - 6	07/03/06	3507.94	18.37	18.76	0.39	3489.51
MW - 6	07/10/06	3507.94	18.43	18.70	0.27	3489.47
MW - 6	07/17/06	3507.94	17.96	18.48	0.52	3489.90
MW - 6	07/26/06	3507.94	18.40	18.63	0.23	3489.51
MW - 6	07/31/06	3507.94	18.41	18.62	0.21	3489.50
MW - 6	08/07/06	3507.94	18.44	18.64	0.20	3489.47
MW - 6	08/17/06	3507.94	18.39	18.67	0.28	3489.51
MW - 6	08/21/06	3507.94	18.34	18.35	0.01	3489.60
MW - 6	09/06/06	3507.94	18.07	18.12	0.05	3489.86
MW - 6	09/11/06	3507.94	18.04	18.20	0.16	3489.88
MW - 6	09/18/06	3507.94	18.01	18.07	0.06	3489.92
MW - 6	09/25/06	3507.94	18.02	18.20	0.18	3489.89
MW - 6	10/02/06	3507.94	18.18	18.21	0.03	3489.76
MW - 6	10/09/06	3507.94	18.05	18.35	0.30	3489.85
MW - 6	10/17/06	3507.94	18.05	18.25	0.20	3489.86
MW - 6	10/23/06	3507.94	18.03	18.16	0.13	3489.89
MW - 6	10/30/06	3507.94	18.01	18.14	0.13	3489.91
MW - 6	11/06/06	3507.94	18.00	18.10	0.10	3489.93
MW - 6	11/13/06	3507.94	17.96	18.15	0.19	3489.95
MW - 6	11/20/06	3507.94	17.99	18.18	0.19	3489.92
MW - 6	11/27/06	3507.94	17.93	18.12	0.19	3489.98
MW - 6	11/30/06	3507.94	17.98	18.10	0.12	3489.94
MW - 6	12/04/06	3507.94	17.98	18.37	0.39	3489.90
MW - 6	12/12/06	3507.94	17.95	18.36	0.41	3489.93
MW - 6	12/18/06	3507.94	17.90	18.10	0.20	3490.01
MW - 6	01/02/07	3507.94	17.93	18.05	0.12	3489.99
MW - 6	01/11/07	3507.94	17.87	17.95	0.08	3490.06

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	01/18/07	3507.94	17.95	18.10	0.15	3489.97
MW - 6	01/22/07	3507.94	17.86	17.94	0.08	3490.07
MW - 6	02/05/07	3507.94	17.89	18.35	0.46	3489.98
MW - 6	02/12/07	3507.94	17.80	18.02	0.22	3490.11
MW - 6	02/19/07	3507.94	17.81	17.91	0.10	3490.12
MW - 6	02/27/07	3507.94	17.83	18.28	0.45	3490.04
MW - 6	03/05/07	3507.94	17.84	18.50	0.66	3490.00
MW - 6	03/12/07	3507.94	17.75	18.32	0.57	3490.10
MW - 6	03/19/07	3507.94	17.83	17.95	0.12	3490.09
MW - 6	04/02/07	3507.94	17.79	18.02	0.23	3490.12
MW - 6	04/09/07	3507.94	17.71	17.89	0.18	3490.20
MW - 6	05/01/07	3507.94	17.72	18.31	0.59	3490.13
MW - 6	05/12/07	3507.94	17.75	18.28	0.53	3490.11
MW - 6	05/17/07	3507.94	17.63	17.81	0.18	3490.28
MW - 6	05/21/07	3507.94	17.58	17.68	0.10	3490.35
MW - 6	05/22/07	3507.94	17.58	17.68	0.10	3490.35
MW - 6	06/01/07	3507.94	17.60	17.70	0.10	3490.33
MW - 6	06/06/07	3507.94	17.61	17.64	0.03	3490.33
MW - 6	06/11/07	3507.94	17.69	18.49	0.80	3490.13
MW - 6	06/19/07	3507.94	17.76	17.87	0.11	3490.16
MW - 6	06/25/07	3507.94	17.84	18.02	0.18	3490.07
MW - 6	07/03/07	3507.94	17.96	18.49	0.53	3489.90
MW - 6	07/23/07	3507.94	18.19	18.43	0.24	3489.71
MW - 6	07/31/07	3507.94	18.27	18.44	0.17	3489.64
MW - 6	08/14/07	3507.94	18.34	18.55	0.21	3489.57
MW - 6	08/15/07	3507.94	18.36	18.91	0.55	3489.50
MW - 6	08/25/07	3507.94	18.42	18.61	0.19	3489.49
MW - 6	09/05/07	3507.94	18.48	18.68	0.20	3489.43
MW - 6	09/10/07	3507.94	18.47	18.61	0.14	3489.45
MW - 6	09/17/07	3507.94	18.23	18.30	0.07	3489.70
MW - 6	09/24/07	3507.94	18.13	18.19	0.06	3489.80
MW - 6	11/05/07	3507.94	18.12	18.23	0.11	3489.80
MW - 6	11/06/07	3507.94	18.19	18.71	0.52	3489.67
MW - 6	11/12/07	3507.94	18.12	18.26	0.14	3489.80
MW - 6	11/19/07	3507.94	18.15	18.25	0.10	3489.78
MW - 6	11/30/07	3507.94	18.12	18.74	0.62	3489.73
MW - 6	12/03/07	3507.94	18.11	18.18	0.07	3489.82
MW - 6	12/14/07	3507.94	18.08	18.13	0.05	3489.85
MW - 6	12/17/07	3507.94	18.10	18.13	0.03	3489.84
MW - 6	01/09/08	3507.94	17.90	18.16	0.26	3490.00
MW - 6	01/16/08	3507.94	18.04	18.30	0.26	3489.86
MW - 6	01/21/08	3507.94	18.01	18.38	0.37	3489.87
MW - 6	01/30/08	3507.94	18.00	18.04	0.04	3489.93
MW - 6	02/08/08	3507.94	18.00	18.04	0.04	3489.93
MW - 6	02/12/08	3507.94	18.00	18.04	0.04	3489.93
MW - 6	02/14/08	3507.94	17.99	18.02	0.03	3489.95
MW - 6	02/20/08	3507.94	18.00	18.03	0.03	3489.94
MW - 6	02/28/08	3507.94	17.98	17.99	0.01	3489.96
MW - 6	03/05/08	3507.94	17.98	18.01	0.03	3489.96
MW - 6	03/13/08	3507.94	17.96	18.04	0.08	3489.97
MW - 6	03/19/08	3507.94	17.97	18.09	0.12	3489.95
MW - 6	03/24/08	3507.94	17.94	18.02	0.08	3489.99
MW - 6	04/02/08	3507.94	17.94	18.10	0.16	3489.98
MW - 6	04/07/08	3507.94	17.94	18.04	0.10	3489.99



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	04/14/08	3507.94	17.94	18.03	0.09	3489.99
MW - 6	04/23/08	3507.94	17.93	18.01	0.08	3490.00
MW - 6	05/07/08	3507.94	17.94	18.09	0.15	3489.98
MW - 6	05/13/08	3507.94	17.94	18.09	0.15	3489.98
MW - 6	05/14/08	3507.94	17.93	18.00	0.07	3490.00
MW - 6	05/19/08	3507.94	17.92	17.98	0.06	3490.01
MW - 6	06/09/08	3507.94	18.22	18.47	0.25	3489.68
MW - 6	06/16/08	3507.94	17.95	18.12	0.17	3489.96
MW - 6	06/23/08	3507.94	17.52	18.88	1.36	3490.22
MW - 6	06/30/08	3507.94	18.52	18.82	0.30	3489.38
MW - 6	07/14/08	3507.94	18.58	18.76	0.18	3489.33
MW - 6	07/22/08	3507.94	18.62	18.76	0.14	3489.30
MW - 6	08/04/08	3507.94	18.98	19.12	0.14	3488.94
MW - 6	08/11/08	3507.94	18.74	18.80	0.06	3489.19
MW - 6	08/14/08	3507.94	18.75	18.98	0.23	3489.16
MW - 6	08/18/08	3507.94	18.76	18.84	0.08	3489.17
MW - 6	08/28/08	3507.94	18.69	18.75	0.06	3489.24
MW - 6	09/17/08	3507.94	18.45	18.65	0.20	3489.46
MW - 6	09/29/08	3507.94	18.35	18.40	0.05	3489.58
MW - 6	10/06/08	3507.94	18.39	18.45	0.06	3489.54
MW - 6	10/13/08	3507.94	18.44	18.57	0.13	3489.48
MW - 6	10/20/08	3507.94	18.41	18.43	0.02	3489.53
MW - 6	10/29/08	3507.94	18.23	18.30	0.07	3489.70
MW - 6	10/30/08	3507.94	18.33	18.34	0.01	3489.61
MW - 6	11/06/08	3507.94	sheen	18.30	0.00	3489.64
MW - 6	11/12/08	3507.94	sheen	18.29	0.00	3489.65
MW - 6	11/13/08	3507.94	sheen	18.25	0.00	3489.69
MW - 6	12/16/08	3507.94	sheen	18.23	0.00	3489.71
MW - 6	12/19/08	3507.94	18.21	18.22	0.01	3489.73
MW - 6	12/22/08	3507.94	sheen	18.16	0.00	3489.78
MW - 6	01/06/09	3507.94	-	18.21	0.00	3489.73
MW - 6	01/12/09	3507.94	-	18.19	0.00	3489.75
MW - 6	01/19/09	3507.94	-	18.21	0.00	3489.73
MW - 6	01/26/09	3507.94	-	18.21	0.00	3489.73
MW - 6	02/10/09	3507.94	-	18.15	0.00	3489.79
MW - 6	02/13/09	3507.94	-	18.17	0.00	3489.77
MW - 6	02/16/09	3507.94	-	18.14	0.00	3489.80
MW - 6	02/24/09	3507.94	-	18.13	0.00	3489.81
MW - 6	03/02/09	3507.94	-	18.22	0.00	3489.72
MW - 6	03/05/09	3507.94	-	18.20	0.00	3489.74
MW - 6	03/09/09	3507.94	-	18.12	0.00	3489.82
MW - 6	03/16/09	3507.94	-	18.15	0.00	3489.79
MW - 6	03/19/09	3507.94	-	18.24	0.00	3489.70
MW - 6	03/25/09	3507.94	-	18.26	0.00	3489.68
MW - 6	03/30/09	3507.94	-	18.27	0.00	3489.67
MW - 6	04/13/09	3507.94	-	18.09	0.00	3489.85
MW - 6	04/16/09	3507.94	-	18.28	0.00	3489.66
MW - 6	04/21/09	3507.94	-	18.25	0.00	3489.69
MW - 6	04/27/09	3507.94	-	18.10	0.00	3489.84
MW - 6	04/30/09	3507.94	-	18.25	0.00	3489.69
MW - 6	05/06/09	3507.94	-	18.27	0.00	3489.67
MW - 6	05/12/09	3507.94	-	18.08	0.00	3489.86
MW - 6	05/19/09	3507.94	-	18.17	0.00	3489.77
MW - 6	05/26/09	3507.94	-	18.22	0.00	3489.72

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	06/01/09	3507.94	-	18.32	0.00	3489.62
MW - 6	06/12/09	3507.94	-	18.40	0.00	3489.54
MW - 6	06/15/09	3507.94	-	18.43	0.00	3489.51
MW - 6	06/22/09	3507.94	-	18.54	0.00	3489.40
MW - 6	06/24/09	3507.94	-	18.53	0.00	3489.41
MW - 6	06/29/09	3507.94	-	18.63	0.00	3489.31
MW - 6	07/06/09	3507.94	-	18.68	0.00	3489.26
MW - 6	07/09/09	3507.94	-	18.19	0.00	3489.75
MW - 6	07/13/09	3507.94	-	18.21	0.00	3489.73
MW - 6	07/20/09	3507.94	-	18.22	0.00	3489.72
MW - 6	07/23/09	3507.94	-	18.81	0.00	3489.13
MW - 6	07/27/09	3507.94	-	18.83	0.00	3489.11
MW - 6	07/29/09	3507.94	-	18.77	0.00	3489.17
MW - 6	08/03/09	3507.94	-	18.69	0.00	3489.25
MW - 6	08/10/09	3507.94	-	18.78	0.00	3489.16
MW - 6	08/10/09	3507.94	-	18.78	0.00	3489.16
MW - 6	08/18/09	3507.94	-	18.86	0.00	3489.08
MW - 6	08/24/09	3507.94	-	18.95	0.00	3488.99
MW - 6	08/28/09	3507.94	-	18.90	0.00	3489.04
MW - 6	08/31/09	3507.94	-	19.03	0.00	3488.91
MW - 6	09/02/09	3507.94	-	18.74	0.00	3489.20
MW - 6	09/08/09	3507.94	-	19.04	0.00	3488.90
MW - 6	09/10/09	3507.94	-	18.95	0.00	3488.99
MW - 6	09/16/09	3507.94	-	18.96	0.00	3488.98
MW - 6	09/18/09	3507.94	-	18.83	0.00	3489.11
MW - 6	09/22/09	3507.94	-	19.00	0.00	3488.94
MW - 6	09/28/09	3507.94	-	18.92	0.00	3489.02
MW - 6	10/09/09	3507.94	-	19.02	0.00	3488.92
MW - 6	10/12/09	3507.94	-	18.23	0.00	3489.71
MW - 6	10/20/09	3507.94	-	19.14	0.00	3488.80
MW - 6	10/26/09	3507.94	-	18.25	0.00	3489.69
MW - 6	10/28/09	3507.94	-	19.10	0.00	3488.84
MW - 6	11/03/09	3507.94	-	19.02	0.00	3488.92
MW - 6	11/12/09	3507.94	-	19.01	0.00	3488.93
MW - 6	11/18/09	3507.94	-	19.02	0.00	3488.92
MW - 6	12/03/09	3507.94	sheen	19.00	0.00	3488.94
MW - 6	12/11/09	3507.94	sheen	19.00	0.00	3488.94
MW - 6	12/16/09	3507.94	sheen	18.92	0.00	3489.02
MW - 6	12/21/09	3507.94	sheen	18.99	0.00	3488.95
MW - 6	12/28/09	3507.94	sheen	19.04	0.00	3488.90
MW - 6	01/04/10	3507.94	sheen	18.94	0.00	3489.00
MW - 6	01/14/10	3507.94	sheen	18.95	0.00	3488.99
MW - 6	01/20/10	3507.94	sheen	18.80	0.00	3489.14
MW - 6	01/25/10	3507.94	sheen	18.81	0.00	3489.13
MW - 6	01/27/10	3507.94	sheen	18.80	0.00	3489.14
MW - 6	02/01/10	3507.94	sheen	18.79	0.00	3489.15
MW - 6	02/08/10	3507.94	sheen	17.87	0.00	3490.07
MW - 6	02/09/10	3507.94	sheen	18.82	0.00	3489.12
MW - 6	02/19/10	3507.94	sheen	18.72	0.00	3489.22
MW - 6	02/26/10	3507.94	sheen	18.74	0.00	3489.20
MW - 6	03/01/10	3507.94	sheen	19.26	0.00	3488.68
MW - 6	03/04/10	3507.94	sheen	18.70	0.00	3489.24
MW - 6	03/08/10	3507.94	sheen	18.72	0.00	3489.22
MW - 6	03/11/10	3507.94	sheen	18.58	0.00	3489.36

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	03/15/10	3507.94	sheen	18.67	0.00	3489.27
MW - 6	03/17/10	3507.94	sheen	18.55	0.00	3489.39
MW - 6	03/22/10	3507.94	sheen	18.51	0.00	3489.43
MW - 6	03/29/10	3507.94	sheen	18.46	0.00	3489.48
MW - 6	04/05/10	3507.94	sheen	18.54	0.00	3489.40
MW - 6	04/14/10	3507.94	sheen	18.49	0.00	3489.45
MW - 6	04/16/10	3507.94	sheen	18.42	0.00	3489.52
MW - 6	04/19/10	3507.94	sheen	18.48	0.00	3489.46
MW - 6	04/28/10	3507.94	sheen	18.45	0.00	3489.49
MW - 6	05/05/10	3507.94	sheen	18.42	0.00	3489.52
MW - 6	05/12/10	3507.94	sheen	18.43	0.00	3489.51
MW - 6	05/14/10	3507.94	sheen	18.44	0.00	3489.50
MW - 6	05/21/10	3507.94	sheen	18.45	0.00	3489.49
MW - 6	05/26/10	3507.94	sheen	18.41	0.00	3489.53
MW - 6	06/04/10	3507.94	sheen	18.47	0.00	3489.47
MW - 6	06/07/10	3507.94	sheen	18.63	0.00	3489.31
MW - 6	06/12/10	3507.94	sheen	18.66	0.00	3489.28
MW - 6	06/24/10	3507.94	sheen	18.81	0.00	3489.13
MW - 6	06/30/10	3507.94	sheen	18.90	0.00	3489.04
MW - 6	07/07/10	3507.94	sheen	18.56	0.00	3489.38
MW - 6	07/12/10	3507.94	sheen	18.30	0.00	3489.64
MW - 6	07/19/10	3507.94	sheen	18.18	0.00	3489.76
MW - 6	08/03/10	3507.94	sheen	18.11	0.00	3489.83
MW - 6	08/11/10	3507.94	sheen	18.12	0.00	3489.82
MW - 6	08/19/10	3507.94	sheen	18.15	0.00	3489.79
MW - 6	08/25/10	3507.94	sheen	18.20	0.00	3489.74
MW - 6	09/01/10	3507.94	sheen	18.24	0.00	3489.70
MW - 6	09/09/10	3507.94	sheen	18.33	0.00	3489.61
MW - 6	09/13/10	3507.94	sheen	18.13	0.00	3489.81
MW - 6	09/29/10	3507.94	sheen	18.42	0.00	3489.52
MW - 6	10/05/10	3507.94	sheen	18.13	0.00	3489.81
MW - 6	10/20/10	3507.94	sheen	19.52	0.00	3488.42
MW - 6	10/25/10	3507.94	sheen	19.51	0.00	3488.43
MW - 6	11/03/10	3507.94	sheen	18.27	0.00	3489.67
MW - 6	11/10/10	3507.94	sheen	18.33	0.00	3489.61
MW - 6	11/11/10	3507.94	sheen	18.33	0.00	3489.61
MW - 6	12/09/10	3507.94	sheen	18.16	0.00	3489.78
MW - 6	01/18/11	3507.94	sheen	18.34	0.00	3489.60
MW - 6	02/16/11	3507.94	sheen	18.35	0.00	3489.59
MW - 6	03/01/11	3507.94	sheen	18.40	0.00	3489.54
MW - 6	03/07/11	3507.94	sheen	18.35	0.00	3489.59
MW - 6	03/22/11	3507.94	sheen	18.34	0.00	3489.60
MW - 6	04/27/11	3507.94	sheen	18.35	0.00	3489.59
MW - 6	05/05/11	3507.94	sheen	18.42	0.00	3489.52
MW - 6	05/10/11	3507.94	sheen	18.37	0.00	3489.57
MW - 6	05/17/11	3507.94	sheen	18.41	0.00	3489.53
MW - 6	05/24/11	3507.94	sheen	18.59	0.00	3489.35
MW - 6	05/29/11	3507.94	sheen	18.41	0.00	3489.53
MW - 6	06/07/11	3507.94	sheen	18.69	0.00	3489.25
MW - 6	06/08/11	3507.94	sheen	18.72	0.00	3489.22
MW - 6	06/14/11	3507.94	sheen	18.63	0.00	3489.31
MW - 6	06/23/11	3507.94	sheen	18.68	0.00	3489.26
MW - 6	06/28/11	3507.94	sheen	18.73	0.00	3489.21
MW - 6	07/06/11	3507.94	sheen	18.83	0.00	3489.11

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	07/14/11	3507.94	sheen	18.91	0.00	3489.03
MW - 6	07/20/11	3507.94	-	19.02	0.00	3488.92
MW - 6	07/27/11	3507.94	-	19.06	0.00	3488.88
MW - 6	08/03/11	3507.94	-	19.07	0.00	3488.87
MW - 6	08/10/11	3507.94	-	19.13	0.00	3488.81
MW - 6	08/18/11	3507.94	-	19.11	0.00	3488.83
MW - 6	08/25/11	3507.94	-	19.12	0.00	3488.82
MW - 6	09/07/11	3507.94	-	19.24	0.00	3488.70
MW - 6	09/14/11	3507.94	-	19.26	0.00	3488.68
MW - 6	11/14/11	3507.94	-	19.10	0.00	3488.84
MW - 6	12/01/11	3507.94	-	19.04	0.00	3488.90
MW - 6	12/08/11	3507.94	-	19.04	0.00	3488.90
MW - 6	12/14/11	3507.94	-	19.03	0.00	3488.91
MW - 6	01/12/12	3507.94	-	18.92	0.00	3489.02
MW - 6	01/19/12	3507.94	-	18.90	0.00	3489.04
MW - 6	02/03/12	3507.94	-	18.88	0.00	3489.06
MW - 6	02/29/12	3507.94	-	18.77	0.00	3489.17
MW - 6	03/14/12	3507.94	-	18.72	0.00	3489.22
MW - 6	03/19/12	3507.94	-	18.72	0.00	3489.22
MW - 6	03/29/12	3507.94	-	18.70	0.00	3489.24
MW - 6	04/05/12	3507.94	-	18.66	0.00	3489.28
MW - 6	04/18/12	3507.94	-	18.62	0.00	3489.32
MW - 6	04/27/12	3507.94	-	18.66	0.00	3489.28
MW - 6	05/02/12	3507.94	-	18.70	0.00	3489.24
MW - 6	05/31/12	3507.94	-	18.66	0.00	3489.28
MW - 6	06/08/12	3507.94	-	19.63	0.00	3488.31
MW - 6	06/12/12	3507.94	-	18.76	0.00	3489.18
MW - 6	06/21/12	3507.94	-	18.76	0.00	3489.18
MW - 6	06/29/12	3507.94	-	18.83	0.00	3489.11
MW - 6	07/13/12	3507.94	-	19.02	0.00	3488.92
MW - 6	12/06/12	3507.94	19.02	19.11	0.09	3488.91
MW - 6	12/11/12	3507.94	19.02	19.14	0.12	3488.90
MW - 6	12/18/12	3507.94	19.01	19.07	0.06	3488.92
MW - 6	01/09/13	3507.94	18.98	19.09	0.11	3488.94
MW - 6	01/15/13	3507.94	-	20.65	0.00	3487.29
MW - 6	01/23/13	3507.94	18.95	19.06	0.11	3488.97
MW - 6	01/29/13	3507.94	18.93	19.02	0.09	3489.00
MW - 6	02/07/13	3507.94	18.93	19.03	0.10	3489.00
MW - 6	02/13/13	3507.94	18.90	18.97	0.07	3489.03
MW - 6	02/20/13	3507.94	18.90	19.00	0.10	3489.03
MW - 6	03/15/13	3507.94	18.89	19.08	0.19	3489.02
MW - 6	03/19/13	3507.94	18.86	18.99	0.13	3489.06
MW - 6	04/02/13	3507.94	18.82	18.99	0.17	3489.09
MW - 6	04/09/13	3507.94	18.79	18.86	0.07	3489.14
MW - 6	04/16/13	3507.94	18.77	18.85	0.08	3489.16
MW - 6	04/23/13	3507.94	18.80	18.91	0.11	3489.12
MW - 6	04/30/13	3507.94	18.78	20.37	1.59	3488.92
MW - 6	05/08/13	3507.94	18.77	18.96	0.19	3489.14
MW - 6	05/14/13	3507.94	18.75	18.79	0.04	3489.18
MW - 6	05/22/13	3507.94	18.98	19.73	0.75	3488.85
MW - 6	05/28/13	3507.94	18.76	18.80	0.04	3489.17
MW - 6	06/04/13	3507.94	18.81	18.84	0.03	3489.13
MW - 6	06/11/13	3507.94	18.86	18.95	0.09	3489.07
MW - 6	06/19/13	3507.94	19.04	19.14	0.10	3488.89

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	06/28/13	3507.94	19.03	19.40	0.37	3488.85
MW - 6	07/01/13	3507.94	19.10	19.14	0.04	3488.83
MW - 6	07/08/13	3507.94	19.34	19.55	0.21	3488.57
MW - 6	07/23/13	3507.94	19.19	19.25	0.06	3488.74
MW - 6	07/30/13	3507.94	19.12	19.31	0.19	3488.79
MW - 6	08/05/13	3507.94	19.08	19.12	0.04	3488.85
MW - 6	08/12/13	3507.94	19.14	19.75	0.61	3488.71
MW - 6	08/22/13	3507.94	19.23	20.61	1.38	3488.50
MW - 6	08/29/13	3507.94	19.30	19.99	0.69	3488.54
MW - 6	09/05/13	3507.94	19.33	19.71	0.38	3488.55
MW - 6	09/10/13	3507.94	19.40	19.43	0.03	3488.54
MW - 6	09/17/13	3507.94	19.43	19.55	0.12	3488.49
MW - 6	09/24/13	3507.94	19.43	19.47	0.04	3488.50
MW - 6	10/07/13	3507.94	19.50	19.60	0.10	3488.43
MW - 6	11/14/13	-	22.23	22.35	0.12	-
MW - 6	11/21/13	-	22.23	22.50	0.27	-
MW - 6	12/12/13	-	22.15	22.53	0.38	-
MW - 6	12/19/13	-	22.10	22.22	0.12	-
MW - 6	01/03/14	-	22.09	22.26	0.17	-
MW - 6	01/09/14	-	22.10	22.31	0.21	-
MW - 6	01/13/14	-	22.09	22.28	0.19	-
MW - 6	01/21/14	-	22.06	22.25	0.19	-
MW - 6	01/24/14	-	22.09	22.27	0.18	-
MW - 6	02/04/14	3512.05	22.04	22.16	0.12	3489.99
MW - 6	02/10/14	3512.05	22.08	22.21	0.13	3489.95
MW - 6	02/27/14	3512.05	21.97	22.23	0.26	3490.04
MW - 6	03/17/14	3512.05	21.93	21.96	0.03	3490.12
MW - 6	03/27/14	3512.05	21.92	22.15	0.23	3490.10
MW - 6	04/02/14	3512.05	21.92	21.96	0.04	3490.12
MW - 6	04/16/14	3512.05	21.88	22.01	0.13	3490.15
MW - 6	04/22/14	3512.05	21.87	22.90	1.03	3490.03
MW - 6	04/28/14	3512.05	21.88	21.99	0.11	3490.15
MW - 6	05/06/14	3512.05	21.85	22.40	0.55	3490.12
MW - 6	05/13/14	3512.05	21.95	22.15	0.20	3490.07
MW - 6	05/14/14	3512.05	21.89	21.96	0.07	3490.15
MW - 6	05/21/14	3512.05	21.92	22.78	0.86	3490.00
MW - 6	06/05/14	3512.05	22.07	23.00	0.93	3489.84
MW - 6	06/11/14	3512.05	22.10	22.90	0.80	3489.83
MW - 6	06/16/14	3512.05	22.17	22.50	0.33	3489.83
MW - 6	06/24/14	3512.05	22.28	23.00	0.72	3489.66
MW - 6	07/01/14	3512.05	22.33	22.78	0.45	3489.65
MW - 6	07/08/14	3512.05	22.38	22.43	0.05	3489.66
MW - 6	07/15/14	3512.05	22.44	22.89	0.45	3489.54
MW - 6	07/22/14	3512.05	22.53	23.50	0.97	3489.37
MW - 6	07/23/14	3512.05	22.53	23.50	0.97	3489.37
MW - 6	07/31/14	3512.05	22.61	23.99	1.38	3489.23
MW - 6	08/05/14	3512.05	22.62	22.65	0.03	3489.43
MW - 6	08/07/14	3512.05	22.57	22.95	0.38	3489.42
MW - 6	08/15/14	3512.05	22.60	23.17	0.57	3489.36
MW - 6	08/20/14	3512.05	22.62	22.91	0.29	3489.39
MW - 6	08/27/14	3512.05	22.65	23.37	0.72	3489.29
MW - 6	09/24/14	3512.05	22.08	22.82	0.74	3489.86
MW - 6	10/01/14	3512.05	21.69	21.83	0.14	3490.34
MW - 6	10/07/14	3512.05	-	21.60	0.00	3490.45

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	10/14/14	3512.05	-	21.55	0.00	3490.50
MW - 6	10/20/14	3512.05	-	21.53	0.00	3490.52
MW - 6	10/27/14	3512.05	-	21.51	0.00	3490.54
MW - 6	10/28/14	3512.05	-	19.51	0.00	3492.54
MW - 6	11/11/14	3512.05	21.50	21.60	0.10	3490.54
MW - 6	11/19/14	3512.05	21.45	21.91	0.46	3490.53
MW - 6	12/08/14	3512.05	21.45	21.85	0.40	3490.54
MW - 6	12/15/14	3512.05	21.45	21.66	0.21	3490.57
MW - 6	12/18/14	3512.05	21.43	21.80	0.37	3490.56
MW - 6	12/22/14	3512.05	21.43	21.80	0.37	3490.56
MW - 6	12/29/14	3512.05	21.44	21.56	0.12	3490.59
MW - 6	01/05/15	3512.05	21.44	21.58	0.14	3490.59
MW - 6	01/12/15	3512.05	21.46	21.56	0.10	3490.58
MW - 6	01/19/15	3512.05	21.42	21.64	0.22	3490.60
MW - 6	02/04/15	3512.05	21.42	22.11	0.69	3490.53
MW - 6	02/09/15	3512.05	21.42	21.90	0.48	3490.56
MW - 6	02/19/15	3512.05	21.41	21.47	0.06	3490.63
MW - 6	03/03/15	3512.05	21.40	21.68	0.28	3490.61
MW - 6	03/09/15	3512.05	21.40	21.93	0.53	3490.57
MW - 6	03/16/15	3512.05	21.37	21.46	0.09	3490.67
MW - 6	03/20/15	3512.05	21.42	22.11	0.69	3490.53
MW - 6	03/23/15	3512.05	21.38	21.44	0.06	3490.66
MW - 6	03/30/15	3512.05	-	21.38	0.00	3490.67
MW - 6	04/04/15	3512.05	-	21.41	0.00	3490.64
MW - 6	04/07/15	3512.05	-	21.40	0.00	3490.65
MW - 6	04/14/15	3512.05	-	21.37	0.00	3490.68
MW - 6	04/20/15	3512.05	-	21.34	0.00	3490.71
MW - 6	04/27/15	3512.05	-	21.34	0.00	3490.71
MW - 6	05/07/15	3512.05	-	21.33	0.00	3490.72
MW - 6	05/11/15	3512.05	-	21.33	0.00	3490.72
MW - 6	05/21/15	3512.05	-	21.31	0.00	3490.74
MW - 6	05/27/15	3512.05	-	21.29	0.00	3490.76
MW - 6	05/28/15	3512.05	-	21.30	0.00	3490.75
MW - 6	06/03/15	3512.05	-	21.29	0.00	3490.76
MW - 6	06/08/15	3512.05	-	21.30	0.00	3490.75
MW - 6	06/15/15	3512.05	-	21.32	0.00	3490.73
MW - 6	06/25/15	3512.05	21.23	21.26	0.03	3490.82
MW - 6	06/29/15	3512.05	21.25	21.30	0.05	3490.79
MW - 6	07/08/15	3512.05	21.32	21.35	0.03	3490.73
MW - 6	07/09/15	3512.05	-	21.33	0.00	3490.72
MW - 6	07/14/15	3512.05	21.37	21.45	0.08	3490.67
MW - 6	07/20/15	3512.05	-	21.55	0.00	3490.50
MW - 6	07/28/15	3512.05	-	21.62	0.00	3490.43
MW - 6	08/03/15	3512.05	-	21.66	0.00	3490.39
MW - 6	08/04/15	3512.05	-	21.57	0.00	3490.48
MW - 6	08/04/15	3512.05	-	21.63	0.00	3490.42
MW - 6	08/10/15	3512.05	-	21.68	0.00	3490.37
MW - 6	08/17/15	3512.05	21.71	21.72	0.01	3490.34
MW - 6	08/25/15	3512.05	-	21.74	0.00	3490.31
MW - 6	08/31/15	3512.05	-	21.78	0.00	3490.27
MW - 6	09/08/15	3512.05	21.76	21.80	0.04	3490.28
MW - 6	09/15/15	3512.05	-	21.80	0.00	3490.25
MW - 6	09/24/15	3512.05	-	21.89	0.00	3490.16
MW - 6	09/28/15	3512.05	-	21.84	0.00	3490.21

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	10/06/15	3512.05	-	21.85	0.00	3490.20
MW - 6	10/12/15	3512.05	-	21.79	0.00	3490.26
MW - 6	10/26/15	3512.05	-	21.76	0.00	3490.29
MW - 6	11/06/15	3512.05	-	21.57	0.00	3490.48
MW - 6	11/10/15	3512.05	-	21.53	0.00	3490.52
MW - 6	11/18/15	3512.05	-	21.51	0.00	3490.54
MW - 6	12/02/15	3512.05	-	21.44	0.00	3490.61
MW - 6	12/07/15	3512.05	-	21.42	0.00	3490.63
MW - 6	12/14/15	3512.05	-	21.42	0.00	3490.63
MW - 6	01/05/16	3512.05	-	21.37	0.00	3490.68
MW - 6	01/08/16	3512.05	-	21.37	0.00	3490.68
MW - 6	01/12/16	3512.05	-	21.40	0.00	3490.65
MW - 6	01/18/16	3512.05	-	21.34	0.00	3490.71
MW - 6	01/25/16	3512.05	-	21.33	0.00	3490.72
MW - 6	02/01/16	3512.05	-	21.32	0.00	3490.73
MW - 6	02/08/16	3512.05	-	21.33	0.00	3490.72
MW - 6	02/19/16	3512.05	-	21.28	0.00	3490.77
MW - 6	02/23/16	3512.05	-	21.26	0.00	3490.79
MW - 6	03/03/16	3512.05	-	21.25	0.00	3490.80
MW - 6	03/07/16	3512.05	-	21.22	0.00	3490.83
MW - 6	03/15/16	3512.05	-	21.22	0.00	3490.83
MW - 6	03/21/16	3512.05	-	21.21	0.00	3490.84
MW - 6	03/28/16	3512.05	-	21.19	0.00	3490.86
MW - 6	04/05/16	3512.05	-	21.16	0.00	3490.89
MW - 6	04/08/16	3512.05	-	21.20	0.00	3490.85
MW - 6	04/12/16	3512.05	-	21.19	0.00	3490.86
MW - 6	04/18/16	3512.05	-	21.16	0.00	3490.89
MW - 6	04/25/16	3512.05	-	21.13	0.00	3490.92
MW - 6	05/02/16	3512.05	-	21.09	0.00	3490.96
MW - 6	05/23/16	3512.05	-	21.13	0.00	3490.92
MW - 6	06/01/16	3512.05	-	21.22	0.00	3490.83
MW - 6	06/06/16	3512.05	-	21.25	0.00	3490.80
MW - 6	06/09/16	3512.05	-	21.25	0.00	3490.80
MW - 6	06/28/16	3512.05	-	21.49	0.00	3490.56
MW - 6	07/12/16	3512.05	-	21.66	0.00	3490.39
MW - 6	07/19/16	3512.05	-	21.72	0.00	3490.33
MW - 6	07/27/16	3512.05	-	21.79	0.00	3490.26
MW - 6	08/03/16	3512.05	-	21.84	0.00	3490.21
MW - 6	08/04/16	3512.05	-	21.85	0.00	3490.20
MW - 6	08/08/16	3512.05	-	21.89	0.00	3490.16
MW - 6	08/16/16	3512.05	-	21.95	0.00	3490.10
MW - 6	08/23/16	3512.05	-	21.95	0.00	3490.10
MW - 6	08/31/16	3512.05	-	21.81	0.00	3490.24
MW - 6	09/14/16	3512.05	-	21.16	0.00	3490.89
MW - 6	09/22/16	3512.05	-	20.97	0.00	3491.08
MW - 6	09/27/16	3512.05	-	20.87	0.00	3491.18
MW - 6	10/07/16	3512.05	-	20.81	0.00	3491.24
MW - 6	10/21/16	3512.05	-	20.83	0.00	3491.22
MW - 6	10/28/16	3512.05	-	20.83	0.00	3491.22
MW - 6	11/04/16	3512.05	-	20.86	0.00	3491.19
MW - 6	11/09/16	3512.05	-	20.82	0.00	3491.23
MW - 6	12/06/16	3512.05	-	20.82	0.00	3491.23
MW - 6	12/15/16	3512.05	20.83	20.89	0.06	3491.21
MW - 6	12/22/16	3512.05	-	20.93	0.00	3491.12

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
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Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	12/29/16	3512.05	-	21.99	0.00	3490.06
MW - 6	01/05/17	3512.05	-	20.86	0.00	3491.19
MW - 6	01/11/17	3512.05	-	20.90	0.00	3491.15
MW - 6	01/18/17	3512.05	-	20.87	0.00	3491.18
MW - 6	01/26/17	3512.05	-	20.96	0.00	3491.09
MW - 6	01/31/17	3512.05	-	20.86	0.00	3491.19
MW - 6	02/10/17	3512.05	-	20.84	0.00	3491.21
MW - 6	02/17/17	3512.05	-	20.80	0.00	3491.25
MW - 6	02/24/17	3512.05	-	20.84	0.00	3491.21
MW - 6	03/01/17	3512.05	-	20.89	0.00	3491.16
MW - 6	03/09/17	3512.05	-	20.88	0.00	3491.17
MW - 6	03/15/17	3512.05	-	20.82	0.00	3491.23
MW - 6	03/22/17	3512.05	-	20.81	0.00	3491.24
MW - 6	03/29/17	3512.05	-	20.86	0.00	3491.19
MW - 6	04/07/17	3512.05	-	20.83	0.00	3491.22
MW - 6	04/11/17	3512.05	-	20.81	0.00	3491.24
MW - 6	04/20/17	3512.05	-	20.76	0.00	3491.29
MW - 6	05/02/17	3512.05	-	20.74	0.00	3491.31
MW - 6	05/12/17	3512.05	-	20.80	0.00	3491.25
MW - 6	05/16/17	3512.05	-	20.79	0.00	3491.26
MW - 6	05/24/17	3512.05	-	20.87	0.00	3491.18
MW - 6	06/05/17	3512.05	-	20.95	0.00	3491.10
MW - 6	06/15/17	3512.05	-	21.15	0.00	3490.90
MW - 6	06/28/17	3512.05	-	21.23	0.00	3490.82
MW - 6	07/05/17	3512.05	-	21.30	0.00	3490.75
MW - 6	07/11/17	3512.05	-	21.32	0.00	3490.73
MW - 6	07/17/17	3512.05	-	21.41	0.00	3490.64
MW - 6	07/20/17	3512.05	-	21.41	0.00	3490.64
MW - 6	08/16/17	3512.05	-	21.31	0.00	3490.74
MW - 6	09/05/17	3512.05	-	21.16	0.00	3490.89
MW - 6	09/13/17	3512.05	-	21.36	0.00	3490.69
MW - 6	09/19/17	3512.05	-	21.40	0.00	3490.65
MW - 6	09/29/17	3512.05	-	21.24	0.00	3490.81
MW - 6	10/05/17	3512.05	-	21.28	0.00	3490.77
MW - 6	10/12/17	3512.05	-	21.05	0.00	3491.00
MW - 6	10/20/17	3512.05	-	20.94	0.00	3491.11
MW - 6	10/24/17	3512.05	-	21.04	0.00	3491.01
MW - 6	11/02/17	3512.05	-	20.99	0.00	3491.06
MW - 6	11/14/17	3512.05	-	19.97	0.00	3492.08
MW - 6	11/21/17	3512.05	21.19	21.36	0.17	3490.83
MW - 6	12/20/17	3512.05	-	20.89	0.00	3491.16
MW - 6	12/28/17	3512.05	-	20.88	0.00	3491.17
MW - 6	01/03/18	3512.05	-	20.89	0.00	3491.16
MW - 6	01/09/18	3512.05	-	20.86	0.00	3491.19
MW - 6	01/19/18	3512.05	-	20.85	0.00	3491.20
MW - 6	01/24/18	3512.05	-	20.87	0.00	3491.18
MW - 6	02/08/18	3512.05	-	20.88	0.00	3491.17
MW - 6	02/12/18	3512.05	-	20.84	0.00	3491.21
MW - 6	02/22/18	3512.05	-	20.82	0.00	3491.23
MW - 6	03/02/18	3512.05	-	20.82	0.00	3491.23
MW - 6	03/07/18	3512.05	-	20.81	0.00	3491.24
MW - 6	03/19/18	3512.05	-	20.79	0.00	3491.26
MW - 6	03/29/18	3512.05	-	22.81	0.00	3489.24
MW - 6	04/02/18	3512.05	-	20.76	0.00	3491.29



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	04/11/18	3512.05	-	19.75	0.00	3492.30
MW - 6	04/16/18	3512.05	-	20.79	0.00	3491.26
MW - 6	04/25/18	3512.05	-	20.78	0.00	3491.27
MW - 6	05/01/18	3512.05	-	20.76	0.00	3491.29
MW - 6	05/08/18	3512.05	-	20.80	0.00	3491.25
MW - 6	05/22/18	3512.05	-	20.98	0.00	3491.07
MW - 6	05/31/18	3512.05	-	21.11	0.00	3490.94
MW - 6	06/06/18	3512.05	-	21.19	0.00	3490.86
MW - 6	06/13/18	3512.05	-	21.24	0.00	3490.81
MW - 6	06/18/18	3512.05	-	21.27	0.00	3490.78
MW - 6	06/25/18	3512.05	-	21.31	0.00	3490.74
MW - 6	07/02/18	3512.05	-	21.38	0.00	3490.67
MW - 6	07/11/18	3512.05	-	21.49	0.00	3490.56
MW - 6	07/19/18	3512.05	-	21.50	0.00	3490.55
MW - 6	07/27/18	3512.05	-	21.38	0.00	3490.67
MW - 6	08/08/18	3512.05	-	21.68	0.00	3490.37
MW - 6	08/30/18	3512.05	-	21.74	0.00	3490.31
MW - 6	09/12/18	3512.05	-	21.74	0.00	3490.31
MW - 6	09/20/18	3512.05	-	21.63	0.00	3490.42
MW - 6	09/26/18	3512.05	-	21.66	0.00	3490.39
MW - 6	10/03/18	3512.05	-	21.61	0.00	3490.44
MW - 6	10/19/18	3512.05	-	21.61	0.00	3490.44
MW - 6	10/31/18	3512.05	-	21.49	0.00	3490.56
MW - 6	11/06/18	3512.05	-	21.42	0.00	3490.63
MW - 6	11/13/18	3512.05	-	21.43	0.00	3490.62
MW - 6	12/03/18	3512.05	-	21.35	0.00	3490.70
MW - 6	12/19/18	3512.05	-	21.28	0.00	3490.77
MW - 6	12/27/18	3512.05	-	21.24	0.00	3490.81
MW - 6	01/03/19	3512.05	-	21.21	0.00	3490.84
MW - 6	01/09/19	3512.05	-	21.20	0.00	3490.85
MW - 6	01/16/19	3512.05	-	21.25	0.00	3490.80
MW - 6	01/31/19	3512.05	-	21.28	0.00	3490.77
MW - 6	02/06/19	3512.05	-	21.23	0.00	3490.82
MW - 6	02/13/19	3512.05	-	21.20	0.00	3490.85
MW - 6	02/21/19	3512.05	-	21.13	0.00	3490.92
MW - 6	02/07/19	3512.05	-	25.80	0.00	3486.25
MW - 6	02/28/19	3512.05	-	21.14	0.00	3490.91
MW - 6	03/06/19	3512.05	-	21.15	0.00	3490.90
MW - 6	03/12/19	3512.05	-	21.10	0.00	3490.95
MW - 6	03/19/19	3512.05	-	21.10	0.00	3490.95
MW - 6	03/28/19	3512.05	-	21.07	0.00	3490.98
MW - 6	04/01/19	3512.05	-	21.08	0.00	3490.97
MW - 6	04/10/19	3512.05	-	21.05	0.00	3491.00
MW - 6	04/17/19	3512.05	-	21.06	0.00	3490.99
MW - 6	04/24/19	3512.05	-	21.06	0.00	3490.99
MW - 6	04/24/19	3512.05	-	21.06	0.00	3490.99
MW - 6	05/01/19	3512.05	-	21.05	0.00	3491.00
MW - 6	05/08/19	3512.05	-	21.03	0.00	3491.02
MW - 6	05/17/19	3512.05	-	21.04	0.00	3491.01
MW - 6	05/23/19	3512.05	-	21.04	0.00	3491.01
MW - 6	05/31/19	3512.05	-	21.14	0.00	3490.91
MW - 6	06/14/19	3512.05	-	21.22	0.00	3490.83
MW - 6	06/18/19	3512.05	-	21.28	0.00	3490.77
MW - 6	06/28/19	3512.05	-	21.43	0.00	3490.62

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	07/11/19	3512.05	-	21.54	0.00	3490.51
MW - 6	07/19/19	3512.05	-	21.59	0.00	3490.46
MW - 6	08/02/19	3512.05	-	21.69	0.00	3490.36
MW - 6	08/08/19	3512.05	-	21.72	0.00	3490.33
MW - 6	09/12/19	3512.05	-	21.91	0.00	3490.14
MW - 6	09/17/19	3512.05	-	21.92	0.00	3490.13
MW - 6	10/08/19	3512.05	-	21.80	0.00	3490.25
MW - 6	10/15/19	3512.05	-	21.72	0.00	3490.33
MW - 6	10/24/19	3512.05	-	20.97	0.00	3491.08
MW - 6	10/31/19	3512.05	-	21.66	0.00	3490.39
MW - 6	11/06/19	3512.05	-	21.64	0.00	3490.41
MW - 6	11/13/19	3512.05	-	21.58	0.00	3490.47
MW - 6	12/02/19	3512.05	-	21.47	0.00	3490.58
MW - 6	12/12/19	3512.05	-	21.40	0.00	3490.65
MW - 6	12/17/19	3512.05	-	21.43	0.00	3490.62
MW - 6	12/26/19	3512.05	-	21.39	0.00	3490.66
MW - 6	01/06/20	3512.05	-	21.35	0.00	3490.70
MW - 6	01/17/20	3512.05	-	21.31	0.00	3490.74
MW - 6	01/23/20	3512.05	-	21.32	0.00	3490.73
MW - 6	01/29/20	3512.05	-	21.31	0.00	3490.74
MW - 6	02/14/20	3512.05	-	21.27	0.00	3490.78
MW - 6	02/21/20	3512.05	-	21.28	0.00	3490.77
MW - 6	02/28/20	3512.05	-	21.26	0.00	3490.79
MW - 6	03/04/20	3512.05	-	21.26	0.00	3490.79
MW - 6	05/14/20	3512.05	-	21.06	0.00	3490.99
MW - 6	05/21/20	3512.05	-	21.09	0.00	3490.96
MW - 6	06/18/20	3512.05	-	21.48	0.00	3490.57
MW - 6	07/01/20	3512.05	-	21.64	0.00	3490.41
MW - 6	07/21/20	3512.05	-	21.81	0.00	3490.24
MW - 6	08/13/20	3512.05	-	21.92	0.00	3490.13
MW - 6	09/14/20	3512.05	-	22.04	0.00	3490.01
MW - 6	09/30/20	3512.05	-	22.05	0.00	3490.00
MW - 6	10/16/20	3512.05	-	22.12	0.00	3489.93
MW - 6	11/23/20	3512.05	-	22.04	0.00	3490.01
MW - 6	12/10/20	3512.05	-	22.14	0.00	3489.91
MW - 6	12/31/20	3512.05	-	22.11	0.00	3489.94
MW - 6	01/13/21	3512.05	-	22.07	0.00	3489.98
MW - 6	01/22/21	3512.05	-	22.07	0.00	3489.98
MW - 6	02/11/21	3512.05	-	22.02	0.00	3490.03
MW - 6	04/21/21	3512.05	-	21.90	0.00	3490.15
MW - 6	04/28/21	3512.05	-	21.88	0.00	3490.17
MW - 6	06/10/21	3512.05	-	21.93	0.00	3490.12
MW - 6	07/31/21	3512.05	-	21.97	0.00	3490.08
MW - 6	08/31/21	3512.05	-	22.20	0.00	3489.85
MW - 6	09/23/21	3512.05	-	22.22	0.00	3489.83
MW - 6	10/14/21	3512.05	22.25	22.32	0.07	3489.79
MW - 6	10/28/21	3512.05	22.28	22.40	0.12	3489.75
MW - 6	11/22/21	3512.05	-	22.34	0.00	3489.71
MW - 6	12/06/21	3512.05	-	22.34	0.00	3489.71
MW - 6	01/19/22	3512.05	22.14	22.28	0.14	3489.89
MW - 6	02/23/22	3512.05	22.22	22.50	0.28	3489.79
MW - 6	03/15/22	3512.05	22.21	22.39	0.18	3489.81
MW - 6	03/30/22	3512.05	22.18	22.25	0.07	3489.86
MW - 6	04/13/22	3512.05	22.18	22.49	0.31	3489.82

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 6	04/20/22	3512.05	22.16	22.60	0.44	3489.82
MW - 6	05/11/22	3512.05	22.23	22.43	0.20	3489.79
MW - 6	05/31/22	3512.05	22.36	22.45	0.09	3489.68
MW - 6	06/27/22	3512.05	22.42	23.92	1.50	3489.41
MW - 6	07/25/22	3512.05	22.62	25.43	2.81	3489.01
MW - 6	08/16/22	3512.05	22.68	23.97	1.29	3489.18
MW - 6	09/08/22	3512.05	22.58	23.33	0.75	3489.36
MW - 6	11/08/22	3512.05	22.45	23.00	0.55	3489.52
MW - 7	06/20/02	3507.08	18.73	19.03	0.30	3488.31
MW - 7	09/26/02	3507.08	18.94	20.52	1.58	3487.90
MW - 7	11/12/02	3507.08	18.94	20.59	1.65	3487.89
MW - 7	01/07/03	3507.08	18.60	20.18	1.58	3488.24
MW - 7	01/27/03	3507.08	18.65	19.92	1.27	3488.24
MW - 7	02/26/03	3507.08	18.61	19.56	0.95	3488.33
MW - 7	03/11/03	3507.08	18.75	19.09	0.34	3488.28
MW - 7	03/19/03	3507.08	18.72	19.15	0.43	3488.30
MW - 7	03/25/03	3507.08	18.68	19.18	0.50	3488.33
MW - 7	04/16/03	3507.08	18.59	19.17	0.58	3488.40
MW - 7	04/23/03	3507.08	18.58	19.32	0.74	3488.39
MW - 7	04/29/03	3507.08	18.57	19.30	0.73	3488.40
MW - 7	05/14/03	3507.08	18.69	19.66	0.97	3488.24
MW - 7	05/20/03	3507.08	18.86	19.90	1.04	3488.06
MW - 7	05/27/03	3507.08	18.89	19.94	1.05	3488.03
MW - 7	06/04/03	3507.08	18.90	19.29	0.39	3488.12
MW - 7	06/26/03	3507.08	18.46	19.09	0.63	3488.53
MW - 7	07/07/03	3507.08	19.34	20.04	0.70	3487.64
MW - 7	07/30/03	3507.08	19.44	19.52	0.08	3487.63
MW - 7	08/06/03	3507.08	19.69	19.84	0.15	3487.37
MW - 7	08/21/03	3507.08	19.85	19.98	0.13	3487.21
MW - 7	08/26/03	3507.08	19.92	20.11	0.19	3487.13
MW - 7	09/08/03	3507.08	19.80	19.88	0.08	3487.27
MW - 7	09/15/03	3507.08	19.77	19.81	0.04	3487.30
MW - 7	09/24/03	3507.08	20.06	20.20	0.14	3487.00
MW - 7	10/02/03	3507.08	19.94	20.10	0.16	3487.12
MW - 7	10/08/03	3507.08	19.82	19.94	0.12	3487.24
MW - 7	10/16/03	3507.08	20.14	20.25	0.11	3486.92
MW - 7	10/28/03	3507.08	20.20	20.37	0.17	3486.85
MW - 7	02/02/04	3507.08	20.69	21.04	0.35	3486.34
MW - 7	02/26/04	3507.08	19.68	20.33	0.65	3487.30
MW - 7	03/16/04	3507.08	19.89	20.70	0.81	3487.07
MW - 7	03/19/04	3507.08	19.83	20.53	0.70	3487.15
MW - 7	03/25/04	3507.08	19.82	20.71	0.89	3487.13
MW - 7	04/01/04	3507.08	19.80	20.68	0.88	3487.15
MW - 7	04/08/04	3507.08	19.78	20.70	0.92	3487.16
MW - 7	04/14/04	3507.08	19.17	19.85	0.68	3487.81
MW - 7	04/16/04	3507.08	19.35	19.85	0.50	3487.66
MW - 7	04/22/04	3507.08	18.47	18.93	0.46	3488.54
MW - 7	04/29/04	3507.08	18.42	19.04	0.62	3488.57
MW - 7	05/11/04	3507.08	18.46	18.84	0.38	3488.56
MW - 7	06/08/04	3507.08	18.45	19.66	1.21	3488.45
MW - 7	06/17/04	3507.08	18.41	19.69	1.28	3488.48
MW - 7	06/22/04	3507.08	18.43	19.61	1.18	3488.47
MW - 7	06/29/04	3507.08	18.38	19.55	1.17	3488.52

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	07/06/04	3507.08	18.41	20.12	1.71	3488.41
MW - 7	07/13/04	3507.08	18.46	20.07	1.61	3488.38
MW - 7	07/20/04	3507.08	18.58	20.43	1.85	3488.22
MW - 7	08/04/04	3507.08	18.60	20.43	1.83	3488.21
MW - 7	08/10/04	3507.08	18.63	20.41	1.78	3488.18
MW - 7	08/16/04	3507.08	17.77	20.72	2.95	3488.87
MW - 7	08/23/04	3507.08	18.74	19.82	1.08	3488.18
MW - 7	08/25/04	3507.08	18.75	19.60	0.85	3488.20
MW - 7	08/26/04	3507.08	18.90	19.30	0.40	3488.12
MW - 7	08/31/04	3507.08	18.83	19.75	0.92	3488.11
MW - 7	09/13/04	3507.08	18.88	19.64	0.76	3488.09
MW - 7	09/20/04	3507.08	18.94	19.59	0.65	3488.04
MW - 7	09/30/04	3507.08	19.85	20.50	0.65	3487.13
MW - 7	10/04/04	3507.08	18.49	19.19	0.70	3488.49
MW - 7	10/11/04	3507.08	18.22	18.73	0.51	3488.78
MW - 7	10/18/04	3507.08	18.32	19.10	0.78	3488.64
MW - 7	10/26/04	3507.08	18.53	19.00	0.47	3488.48
MW - 7	11/08/04	3507.08	18.64	19.47	0.83	3488.32
MW - 7	11/15/04	3507.08	18.10	19.85	1.75	3488.72
MW - 7	12/01/04	3507.08	17.95	19.95	2.00	3488.83
MW - 7	12/03/04	3507.08	17.95	19.95	2.00	3488.83
MW - 7	12/14/04	3507.08	18.06	18.31	0.25	3488.98
MW - 7	12/21/04	3507.08	18.00	18.43	0.43	3489.02
MW - 7	12/29/04	3507.08	17.93	18.20	0.27	3489.11
MW - 7	01/11/05	3507.08	17.87	18.24	0.37	3489.15
MW - 7	01/14/05	3507.08	17.90	18.29	0.39	3489.12
MW - 7	01/18/05	3507.08	17.80	18.22	0.42	3489.22
MW - 7	01/21/05	3507.08	17.80	18.11	0.31	3489.23
MW - 7	01/25/05	3507.08	17.79	18.23	0.44	3489.22
MW - 7	01/28/05	3507.08	17.81	18.25	0.44	3489.20
MW - 7	02/02/05	3507.08	17.69	18.15	0.46	3489.32
MW - 7	02/05/05	3507.08	17.85	18.04	0.19	3489.20
MW - 7	02/08/05	3507.08	17.65	18.10	0.45	3489.36
MW - 7	02/11/05	3507.08	17.69	18.11	0.42	3489.33
MW - 7	02/15/05	3507.08	17.61	18.08	0.47	3489.40
MW - 7	02/18/05	3507.08	17.59	18.03	0.44	3489.42
MW - 7	02/22/05	3507.08	17.59	18.03	0.44	3489.42
MW - 7	02/25/05	3507.08	17.64	17.95	0.31	3489.39
MW - 7	03/01/05	3507.08	17.57	17.60	0.03	3489.51
MW - 7	03/04/05	3507.08	17.50	17.51	0.01	3489.58
MW - 7	03/08/05	3507.08	sheen	17.52	0.00	3489.56
MW - 7	03/08/05	3507.08	sheen	17.52	0.00	3489.56
MW - 7	03/11/05	3507.08	sheen	17.55	0.00	3489.53
MW - 7	03/15/05	3507.08	sheen	17.50	0.00	3489.58
MW - 7	03/18/05	3507.08	sheen	17.49	0.00	3489.59
MW - 7	03/22/05	3507.08	sheen	17.46	0.00	3489.62
MW - 7	03/28/05	3507.08	sheen	17.38	0.00	3489.70
MW - 7	04/01/05	3507.08	sheen	17.41	0.00	3489.67
MW - 7	04/05/05	3507.08	sheen	17.34	0.00	3489.74
MW - 7	04/08/05	3507.08	sheen	17.36	0.00	3489.72
MW - 7	04/12/05	3507.08	sheen	17.32	0.00	3489.76
MW - 7	04/15/05	3507.08	sheen	17.34	0.00	3489.74
MW - 7	05/25/05	3507.08	sheen	17.14	0.00	3489.94
MW - 7	05/27/05	3507.08	sheen	17.11	0.00	3489.97

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	05/31/05	3507.08	sheen	17.09	0.00	3489.99
MW - 7	06/03/05	3507.08	sheen	17.06	0.00	3490.02
MW - 7	06/06/05	3507.08	sheen	17.05	0.00	3490.03
MW - 7	06/08/05	3507.08	-	17.05	0.00	3490.03
MW - 7	06/13/05	3507.08	17.03	17.04	0.01	3490.05
MW - 7	06/20/05	3507.08	sheen	17.07	0.00	3490.01
MW - 7	06/24/05	3507.08	17.09	17.15	0.06	3489.98
MW - 7	06/27/05	3507.08	17.09	17.10	0.01	3489.99
MW - 7	07/11/05	3507.08	17.23	17.24	0.01	3489.85
MW - 7	07/15/05	3507.08	sheen	17.30	0.00	3489.78
MW - 7	07/18/05	3507.08	sheen	17.34	0.00	3489.74
MW - 7	07/21/05	3507.08	sheen	17.36	0.00	3489.72
MW - 7	07/25/05	3507.08	sheen	17.42	0.00	3489.66
MW - 7	08/01/05	3507.08	sheen	17.45	0.00	3489.63
MW - 7	08/04/05	3507.08	sheen	17.46	0.00	3489.62
MW - 7	08/12/05	3507.08	sheen	17.54	0.00	3489.54
MW - 7	08/15/05	3507.08	17.49	17.52	0.03	3489.59
MW - 7	08/23/05	3507.08	17.31	17.40	0.09	3489.76
MW - 7	08/30/05	3507.08	17.28	17.42	0.14	3489.78
MW - 7	09/06/05	3507.08	17.22	17.27	0.05	3489.85
MW - 7	09/13/05	3507.08	17.28	17.35	0.07	3489.79
MW - 7	09/15/05	3507.08	17.23	17.33	0.10	3489.84
MW - 7	09/19/05	3507.08	sheen	17.26	0.00	3489.82
MW - 7	09/27/05	3507.08	17.25	17.45	0.20	3489.80
MW - 7	10/03/05	3507.08	17.30	17.70	0.40	3489.72
MW - 7	10/08/05	3507.08	17.24	17.31	0.07	3489.83
MW - 7	10/10/05	3507.08	17.25	17.71	0.46	3489.76
MW - 7	10/17/05	3507.08	17.20	17.45	0.25	3489.84
MW - 7	10/24/05	3507.08	17.16	17.41	0.25	3489.88
MW - 7	10/31/05	3507.08	17.18	17.38	0.20	3489.87
MW - 7	11/15/05	3507.08	17.13	17.51	0.38	3489.89
MW - 7	11/22/05	3507.08	17.11	17.50	0.39	3489.91
MW - 7	11/27/05	3507.08	17.08	17.42	0.34	3489.95
MW - 7	12/07/05	3507.08	17.11	17.28	0.17	3489.94
MW - 7	12/12/05	3507.08	17.17	17.34	0.17	3489.88
MW - 7	12/16/05	3507.08	17.22	17.39	0.17	3489.83
MW - 7	12/22/05	3507.08	17.29	17.49	0.20	3489.76
MW - 7	12/27/05	3507.08	17.06	17.38	0.32	3489.97
MW - 7	01/03/06	3507.08	17.10	17.31	0.21	3489.95
MW - 7	01/09/06	3507.08	17.10	17.49	0.39	3489.92
MW - 7	01/16/06	3507.08	17.05	17.35	0.30	3489.99
MW - 7	01/23/06	3507.08	17.17	17.39	0.22	3489.88
MW - 7	01/30/06	3507.08	17.05	17.40	0.35	3489.98
MW - 7	02/06/06	3507.08	17.10	17.42	0.32	3489.93
MW - 7	02/14/06	3507.08	17.01	17.30	0.29	3490.03
MW - 7	02/21/06	3507.08	17.01	17.30	0.29	3490.03
MW - 7	03/01/06	3507.08	16.99	17.33	0.34	3490.04
MW - 7	03/06/06	3507.08	17.03	17.33	0.30	3490.01
MW - 7	03/15/06	3507.08	17.00	17.33	0.33	3490.03
MW - 7	03/16/06	3507.08	17.04	17.30	0.26	3490.00
MW - 7	03/21/06	3507.08	17.04	17.33	0.29	3490.00
MW - 7	03/28/06	3507.08	17.05	17.31	0.26	3489.99
MW - 7	04/03/06	3507.08	16.97	17.23	0.26	3490.07
MW - 7	04/10/06	3507.08	16.95	17.18	0.23	3490.10

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	04/17/06	3507.08	16.97	17.29	0.32	3490.06
MW - 7	05/01/06	3507.08	16.94	17.18	0.24	3490.10
MW - 7	05/08/06	3507.08	16.95	17.31	0.36	3490.08
MW - 7	05/15/06	3507.08	17.00	17.42	0.42	3490.02
MW - 7	05/30/06	3507.08	17.23	17.91	0.68	3489.75
MW - 7	06/05/06	3507.08	17.30	17.93	0.63	3489.69
MW - 7	06/12/06	3507.08	17.42	18.47	1.05	3489.50
MW - 7	06/15/06	3507.08	17.45	18.08	0.63	3489.54
MW - 7	06/19/06	3507.08	17.51	18.24	0.73	3489.46
MW - 7	07/03/06	3507.08	17.64	18.13	0.49	3489.37
MW - 7	07/10/06	3507.08	17.66	18.04	0.38	3489.36
MW - 7	07/17/06	3507.08	17.52	17.74	0.22	3489.53
MW - 7	07/26/06	3507.08	17.60	18.11	0.51	3489.40
MW - 7	07/31/06	3507.08	17.66	18.03	0.37	3489.36
MW - 7	08/07/06	3507.08	17.69	18.07	0.38	3489.33
MW - 7	08/17/06	3507.08	17.64	17.95	0.31	3489.39
MW - 7	08/21/06	3507.08	17.59	17.84	0.25	3489.45
MW - 7	09/06/06	3507.08	17.30	17.57	0.27	3489.74
MW - 7	09/11/06	3507.08	17.28	17.62	0.34	3489.75
MW - 7	09/18/06	3507.08	18.26	18.52	0.26	3488.78
MW - 7	09/25/06	3507.08	17.24	17.65	0.41	3489.78
MW - 7	10/02/06	3507.08	17.20	17.61	0.41	3489.82
MW - 7	10/09/06	3507.08	17.30	17.72	0.42	3489.72
MW - 7	10/17/06	3507.08	17.30	17.75	0.45	3489.71
MW - 7	10/23/06	3507.08	17.28	17.62	0.34	3489.75
MW - 7	10/30/06	3507.08	17.27	17.60	0.33	3489.76
MW - 7	11/06/06	3507.08	17.24	17.59	0.35	3489.79
MW - 7	11/13/06	3507.08	17.20	17.50	0.30	3489.84
MW - 7	11/20/06	3507.08	17.23	17.62	0.39	3489.79
MW - 7	11/27/06	3507.08	17.17	17.48	0.31	3489.86
MW - 7	11/30/06	3507.08	17.20	17.59	0.39	3489.82
MW - 7	12/04/06	3507.08	17.26	17.82	0.56	3489.74
MW - 7	12/12/06	3507.08	17.27	17.82	0.55	3489.73
MW - 7	12/18/06	3507.08	17.05	17.54	0.49	3489.96
MW - 7	01/02/07	3507.08	17.18	17.62	0.44	3489.83
MW - 7	01/11/07	3507.08	17.15	17.48	0.33	3489.88
MW - 7	01/18/07	3507.08	17.20	17.41	0.21	3489.85
MW - 7	01/22/07	3507.08	17.14	17.48	0.34	3489.89
MW - 7	02/05/07	3507.08	17.22	17.44	0.22	3489.83
MW - 7	02/12/07	3507.08	17.08	17.51	0.43	3489.94
MW - 7	02/19/07	3507.08	17.07	17.38	0.31	3489.96
MW - 7	02/27/07	3507.08	17.07	17.51	0.44	3489.94
MW - 7	03/05/07	3507.08	17.08	17.49	0.41	3489.94
MW - 7	03/12/07	3507.08	17.08	17.35	0.27	3489.96
MW - 7	03/19/07	3507.08	17.06	17.38	0.32	3489.97
MW - 7	04/02/07	3507.08	17.06	17.84	0.78	3489.90
MW - 7	04/09/07	3507.08	17.01	17.27	0.26	3490.03
MW - 7	05/01/07	3507.08	16.99	17.30	0.31	3490.04
MW - 7	05/12/07	3507.08	16.99	17.29	0.30	3490.05
MW - 7	05/17/07	3507.08	16.90	17.19	0.29	3490.14
MW - 7	05/21/07	3507.08	16.84	17.11	0.27	3490.20
MW - 7	05/22/07	3507.08	16.84	17.11	0.27	3490.20
MW - 7	06/01/07	3507.08	16.84	17.21	0.37	3490.18
MW - 7	06/06/07	3507.08	16.86	17.24	0.38	3490.16

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	06/11/07	3507.08	16.93	17.40	0.47	3490.08
MW - 7	06/19/07	3507.08	17.02	17.37	0.35	3490.01
MW - 7	06/25/07	3507.08	17.09	17.42	0.33	3489.94
MW - 7	07/03/07	3507.08	17.21	17.77	0.56	3489.79
MW - 7	07/23/07	3507.08	17.42	17.86	0.44	3489.59
MW - 7	07/31/07	3507.08	17.52	18.01	0.49	3489.49
MW - 7	08/14/07	3507.08	17.57	18.05	0.48	3489.44
MW - 7	08/15/07	3507.08	17.62	17.90	0.28	3489.42
MW - 7	08/25/07	3507.08	17.65	18.04	0.39	3489.37
MW - 7	09/05/07	3507.08	17.72	18.13	0.41	3489.30
MW - 7	09/10/07	3507.08	17.70	18.02	0.32	3489.33
MW - 7	09/17/07	3507.08	17.46	17.69	0.23	3489.59
MW - 7	09/24/07	3507.08	17.38	17.60	0.22	3489.67
MW - 7	11/05/07	3507.08	17.35	17.80	0.45	3489.66
MW - 7	11/06/07	3507.08	17.42	17.79	0.37	3489.60
MW - 7	11/12/07	3507.08	17.37	17.69	0.32	3489.66
MW - 7	11/19/07	3507.08	17.34	17.69	0.35	3489.69
MW - 7	11/30/07	3507.08	17.39	17.81	0.42	3489.63
MW - 7	12/03/07	3507.08	17.36	17.66	0.30	3489.68
MW - 7	12/14/07	3507.08	17.45	17.64	0.19	3489.60
MW - 7	12/17/07	3507.08	17.33	17.59	0.26	3489.71
MW - 7	01/09/08	3507.08	17.25	17.58	0.33	3489.78
MW - 7	01/16/08	3507.08	17.29	17.64	0.35	3489.74
MW - 7	01/21/08	3507.08	17.31	17.72	0.41	3489.71
MW - 7	01/30/08	3507.08	17.23	17.54	0.31	3489.80
MW - 7	02/08/08	3507.08	17.24	17.58	0.34	3489.79
MW - 7	02/12/08	3507.08	17.24	17.58	0.34	3489.79
MW - 7	02/14/08	3507.08	17.23	17.51	0.28	3489.81
MW - 7	02/20/08	3507.08	17.21	17.50	0.29	3489.83
MW - 7	02/28/08	3507.08	17.22	17.54	0.32	3489.81
MW - 7	03/05/08	3507.08	17.23	17.63	0.40	3489.79
MW - 7	03/13/08	3507.08	17.19	17.57	0.38	3489.83
MW - 7	03/19/08	3507.08	17.23	17.60	0.37	3489.79
MW - 7	03/24/08	3507.08	17.19	17.58	0.39	3489.83
MW - 7	04/02/08	3507.08	17.18	17.52	0.34	3489.85
MW - 7	04/07/08	3507.08	17.18	17.52	0.34	3489.85
MW - 7	04/14/08	3507.08	17.19	17.48	0.29	3489.85
MW - 7	04/23/08	3507.08	17.19	17.52	0.33	3489.84
MW - 7	05/07/08	3507.08	17.18	17.51	0.33	3489.85
MW - 7	05/13/08	3507.08	17.18	17.51	0.33	3489.85
MW - 7	05/14/08	3507.08	17.20	17.50	0.30	3489.84
MW - 7	05/19/08	3507.08	17.19	17.42	0.23	3489.86
MW - 7	06/09/08	3507.08	17.46	17.95	0.49	3489.55
MW - 7	06/16/08	3507.08	17.24	17.50	0.26	3489.80
MW - 7	06/23/08	3507.08	17.70	18.35	0.65	3489.28
MW - 7	06/30/08	3507.08	17.76	18.25	0.49	3489.25
MW - 7	07/14/08	3507.08	17.82	18.36	0.54	3489.18
MW - 7	07/22/08	3507.08	17.87	18.36	0.49	3489.14
MW - 7	07/29/08	3507.08	17.88	18.40	0.52	3489.12
MW - 7	08/04/08	3507.08	17.90	18.49	0.59	3489.09
MW - 7	08/11/08	3507.08	17.75	18.41	0.66	3489.23
MW - 7	08/14/08	3507.08	17.99	18.43	0.44	3489.02
MW - 7	08/18/08	3507.08	17.96	18.38	0.42	3489.06
MW - 7	08/28/08	3507.08	17.91	18.30	0.39	3489.11

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	09/17/08	3507.08	17.65	18.01	0.36	3489.38
MW - 7	09/29/08	3507.08	17.61	17.96	0.35	3489.42
MW - 7	10/06/08	3507.08	17.62	17.97	0.35	3489.41
MW - 7	10/13/08	3507.08	17.69	18.05	0.36	3489.34
MW - 7	10/20/08	3507.08	17.60	17.89	0.29	3489.44
MW - 7	10/29/08	3507.08	17.53	17.75	0.22	3489.52
MW - 7	10/30/08	3507.08	17.56	17.76	0.20	3489.49
MW - 7	11/06/08	3507.08	17.54	17.76	0.22	3489.51
MW - 7	11/12/08	3507.08	17.50	17.71	0.21	3489.55
MW - 7	11/13/08	3507.08	17.50	17.71	0.21	3489.55
MW - 7	12/16/08	3507.08	17.48	17.70	0.22	3489.57
MW - 7	12/19/08	3507.08	17.47	17.71	0.24	3489.57
MW - 7	12/22/08	3507.08	17.38	17.67	0.29	3489.66
MW - 7	01/06/09	3507.08	17.31	17.73	0.42	3489.71
MW - 7	01/12/09	3507.08	17.45	17.89	0.44	3489.56
MW - 7	01/19/09	3507.08	15.13	18.35	3.22	3491.47
MW - 7	01/22/09	3507.08	17.41	17.58	0.17	3489.64
MW - 7	01/26/09	3507.08	17.44	17.68	0.24	3489.60
MW - 7	02/10/09	3507.08	17.35	17.61	0.26	3489.69
MW - 7	02/13/09	3507.08	17.63	18.06	0.43	3489.39
MW - 7	02/16/09	3507.08	17.40	17.98	0.58	3489.59
MW - 7	02/24/09	3507.08	17.43	18.00	0.57	3489.56
MW - 7	03/02/09	3507.08	17.43	17.56	0.13	3489.63
MW - 7	03/05/09	3507.08	17.39	17.69	0.30	3489.65
MW - 7	03/09/09	3507.08	19.20	19.23	0.03	3487.88
MW - 7	03/16/09	3507.08	17.35	17.64	0.29	3489.69
MW - 7	03/19/09	3507.08	17.46	17.59	0.13	3489.60
MW - 7	03/25/09	3507.08	17.48	17.61	0.13	3489.58
MW - 7	03/30/09	3507.08	17.49	17.59	0.10	3489.58
MW - 7	04/13/09	3507.08	17.29	17.65	0.36	3489.74
MW - 7	04/16/09	3507.08	17.51	17.54	0.03	3489.57
MW - 7	04/21/09	3507.08	17.53	17.56	0.03	3489.55
MW - 7	04/27/09	3507.08	17.29	17.59	0.30	3489.75
MW - 7	04/30/09	3507.08	17.53	17.57	0.04	3489.54
MW - 7	05/06/09	3507.08	17.53	17.58	0.05	3489.54
MW - 7	05/12/09	3507.08	17.31	17.40	0.09	3489.76
MW - 7	05/19/09	3507.08	17.39	17.76	0.37	3489.63
MW - 7	05/26/09	3507.08	17.45	17.88	0.43	3489.57
MW - 7	06/01/09	3507.08	17.53	17.84	0.31	3489.50
MW - 7	06/05/09	3507.08	17.56	17.84	0.28	3489.48
MW - 7	06/12/09	3507.08	17.61	17.86	0.25	3489.43
MW - 7	06/15/09	3507.08	17.64	17.91	0.27	3489.40
MW - 7	06/22/09	3507.08	17.73	18.08	0.35	3489.30
MW - 7	06/24/09	3507.08	17.72	17.91	0.19	3489.33
MW - 7	06/29/09	3507.08	17.78	18.02	0.24	3489.26
MW - 7	07/06/09	3507.08	17.85	18.21	0.36	3489.18
MW - 7	07/09/09	3507.08	17.37	17.74	0.37	3489.65
MW - 7	07/13/09	3507.08	17.36	17.75	0.39	3489.66
MW - 7	07/20/09	3507.08	17.37	17.74	0.37	3489.65
MW - 7	07/23/09	3507.08	17.97	18.24	0.27	3489.07
MW - 7	07/27/09	3507.08	17.94	18.26	0.32	3489.09
MW - 7	07/29/09	3507.08	17.94	18.35	0.41	3489.08
MW - 7	08/03/09	3507.08	17.89	18.08	0.19	3489.16
MW - 7	08/10/09	3507.08	17.99	18.30	0.31	3489.04



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	08/10/09	3507.08	17.99	18.30	0.31	3489.04
MW - 7	08/18/09	3507.08	18.06	18.40	0.34	3488.97
MW - 7	08/24/09	3507.08	18.08	18.42	0.34	3488.95
MW - 7	08/28/09	3507.08	17.37	17.74	0.37	3489.65
MW - 7	08/31/09	3507.08	18.14	18.44	0.30	3488.90
MW - 7	09/02/09	3507.08	18.11	18.30	0.19	3488.94
MW - 7	09/08/09	3507.08	18.15	18.39	0.24	3488.89
MW - 7	09/10/09	3507.08	18.15	18.40	0.25	3488.89
MW - 7	09/16/09	3507.08	18.17	18.50	0.33	3488.86
MW - 7	09/18/09	3507.08	18.17	18.59	0.42	3488.85
MW - 7	09/22/09	3507.08	18.20	18.51	0.31	3488.83
MW - 7	09/28/09	3507.08	17.38	17.72	0.34	3489.65
MW - 7	10/09/09	3507.08	18.20	19.02	0.82	3488.76
MW - 7	10/12/09	3507.08	17.38	17.72	0.34	3489.65
MW - 7	10/15/09	3507.08	18.26	18.53	0.27	3488.78
MW - 7	10/20/09	3507.08	18.28	18.56	0.28	3488.76
MW - 7	10/28/09	3507.08	18.26	18.51	0.25	3488.78
MW - 7	11/03/09	3507.08	18.24	18.36	0.12	3488.82
MW - 7	11/12/09	3507.08	18.18	18.45	0.27	3488.86
MW - 7	11/18/09	3507.08	18.23	18.42	0.19	3488.82
MW - 7	12/03/09	3507.08	18.17	18.42	0.25	3488.87
MW - 7	12/11/09	3507.08	18.17	18.41	0.24	3488.87
MW - 7	12/16/09	3507.08	18.15	18.40	0.25	3488.89
MW - 7	12/21/09	3507.08	18.18	18.44	0.26	3488.86
MW - 7	12/28/09	3507.08	18.14	18.33	0.19	3488.91
MW - 7	01/04/10	3507.08	18.13	18.42	0.29	3488.91
MW - 7	01/14/10	3507.08	18.13	18.45	0.32	3488.90
MW - 7	01/20/10	3507.08	18.02	18.44	0.42	3489.00
MW - 7	01/25/10	3507.08	18.16	18.31	0.15	3488.90
MW - 7	01/27/10	3507.08	18.03	18.16	0.13	3489.03
MW - 7	02/01/10	3507.08	18.00	18.17	0.17	3489.05
MW - 7	02/08/10	3507.08	17.98	18.15	0.17	3489.07
MW - 7	02/08/10	3507.08	sheen	18.52	0.00	3488.56
MW - 7	02/09/10	3507.08	18.05	18.20	0.15	3489.01
MW - 7	02/19/10	3507.08	17.92	18.26	0.34	3489.11
MW - 7	02/26/10	3507.08	17.95	18.12	0.17	3489.10
MW - 7	03/01/10	3507.08	18.19	18.30	0.11	3488.87
MW - 7	03/04/10	3507.08	17.89	18.01	0.12	3489.17
MW - 7	03/08/10	3507.08	17.92	19.97	2.05	3488.85
MW - 7	03/11/10	3507.08	17.88	17.94	0.06	3489.19
MW - 7	03/15/10	3507.08	17.88	18.03	0.15	3489.18
MW - 7	03/17/10	3507.08	17.79	17.89	0.10	3489.28
MW - 7	03/22/10	3507.08	17.75	17.83	0.08	3489.32
MW - 7	03/29/10	3507.08	17.71	17.96	0.25	3489.33
MW - 7	04/05/10	3507.08	17.76	17.89	0.13	3489.30
MW - 7	04/14/10	3507.08	17.75	17.86	0.11	3489.31
MW - 7	04/16/10	3507.08	17.62	17.76	0.14	3489.44
MW - 7	04/19/10	3507.08	17.72	17.83	0.11	3489.34
MW - 7	04/28/10	3507.08	17.66	17.77	0.11	3489.40
MW - 7	05/05/10	3507.08	17.52	17.66	0.14	3489.54
MW - 7	05/12/10	3507.08	17.65	17.99	0.34	3489.38
MW - 7	05/14/10	3507.08	17.65	17.99	0.34	3489.38
MW - 7	05/21/10	3507.08	17.65	17.97	0.32	3489.38
MW - 7	05/26/10	3507.08	17.63	17.96	0.33	3489.40

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	06/04/10	3507.08	17.67	17.97	0.30	3489.37
MW - 7	06/07/10	3507.08	17.78	18.15	0.37	3489.24
MW - 7	06/12/10	3507.08	17.84	18.27	0.43	3489.18
MW - 7	06/24/10	3507.08	17.95	18.35	0.40	3489.07
MW - 7	06/30/10	3507.08	18.10	18.45	0.35	3488.93
MW - 7	07/07/10	3507.08	17.64	17.96	0.32	3489.39
MW - 7	07/12/10	3507.08	17.46	17.80	0.34	3489.57
MW - 7	07/19/10	3507.08	17.37	17.74	0.37	3489.65
MW - 7	08/03/10	3507.08	17.35	17.36	0.01	3489.73
MW - 7	08/11/10	3507.08	17.43	17.62	0.19	3489.62
MW - 7	08/19/10	3507.08	17.39	17.61	0.22	3489.66
MW - 7	08/25/10	3507.08	17.41	17.72	0.31	3489.62
MW - 7	09/01/10	3507.08	17.42	17.83	0.41	3489.60
MW - 7	09/09/10	3507.08	17.48	17.98	0.50	3489.53
MW - 7	09/13/10	3507.08	17.45	17.60	0.15	3489.61
MW - 7	09/29/10	3507.08	17.59	17.97	0.38	3489.43
MW - 7	10/05/10	3507.08	17.43	17.61	0.18	3489.62
MW - 7	10/20/10	3507.08	17.47	17.63	0.16	3489.59
MW - 7	10/25/10	3507.08	17.46	17.61	0.15	3489.60
MW - 7	11/03/10	3507.08	17.52	17.80	0.28	3489.52
MW - 7	11/10/10	3507.08	17.64	18.06	0.42	3489.38
MW - 7	11/12/10	3507.08	17.64	18.06	0.42	3489.38
MW - 7	12/09/10	3507.08	17.41	17.66	0.25	3489.63
MW - 7	01/18/11	3507.08	17.66	18.06	0.40	3489.36
MW - 7	02/16/11	3507.08	17.65	18.10	0.45	3489.36
MW - 7	03/01/11	3507.08	17.50	18.00	0.50	3489.51
MW - 7	03/07/11	3507.08	17.48	18.31	0.83	3489.48
MW - 7	03/22/11	3507.08	17.61	18.11	0.50	3489.40
MW - 7	04/27/11	3507.08	17.41	18.31	0.90	3489.54
MW - 7	05/05/11	3507.08	17.62	18.13	0.51	3489.38
MW - 7	05/10/11	3507.08	17.61	18.29	0.68	3489.37
MW - 7	05/17/11	3507.08	17.60	18.21	0.61	3489.39
MW - 7	05/19/11	3507.08	17.60	18.21	0.61	3489.39
MW - 7	05/24/11	3507.08	17.75	18.48	0.73	3489.22
MW - 7	06/07/11	3507.08	17.82	18.41	0.59	3489.17
MW - 7	06/08/11	3507.08	17.89	18.40	0.51	3489.11
MW - 7	06/14/11	3507.08	17.86	18.45	0.59	3489.13
MW - 7	06/23/11	3507.08	17.80	18.30	0.50	3489.21
MW - 7	06/28/11	3507.08	17.98	18.36	0.38	3489.04
MW - 7	07/06/11	3507.08	18.09	18.53	0.44	3488.92
MW - 7	07/14/11	3507.08	18.03	18.45	0.42	3488.99
MW - 7	07/20/11	3507.08	18.20	18.80	0.60	3488.79
MW - 7	07/27/11	3507.08	18.23	18.65	0.42	3488.79
MW - 7	08/03/11	3507.08	18.22	18.58	0.36	3488.81
MW - 7	08/10/11	3507.08	18.30	18.55	0.25	3488.74
MW - 7	08/18/11	3507.08	18.32	18.70	0.38	3488.70
MW - 7	08/25/11	3507.08	18.34	18.50	0.16	3488.72
MW - 7	09/07/11	3507.08	18.44	18.80	0.36	3488.59
MW - 7	09/14/11	3507.08	18.40	18.84	0.44	3488.61
MW - 7	11/14/11	3507.08	18.26	18.59	0.33	3488.77
MW - 7	12/01/11	3507.08	18.26	18.64	0.38	3488.76
MW - 7	12/08/11	3507.08	18.23	18.48	0.25	3488.81
MW - 7	12/14/11	3507.08	18.23	18.68	0.45	3488.78
MW - 7	01/12/12	3507.08	18.19	18.49	0.30	3488.85

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	01/19/12	3507.08	18.13	18.33	0.20	3488.92
MW - 7	02/03/12	3507.08	18.08	18.49	0.41	3488.94
MW - 7	02/29/12	3507.08	17.99	18.53	0.54	3489.01
MW - 7	03/14/12	3507.08	17.94	18.51	0.57	3489.05
MW - 7	03/19/12	3507.08	17.90	18.41	0.51	3489.10
MW - 7	03/29/12	3507.08	17.88	18.46	0.58	3489.11
MW - 7	04/05/12	3507.08	17.85	18.47	0.62	3489.14
MW - 7	04/18/12	3507.08	17.81	18.42	0.61	3489.18
MW - 7	04/27/12	3507.08	17.85	18.47	0.62	3489.14
MW - 7	05/02/12	3507.08	17.89	18.50	0.61	3489.10
MW - 7	05/31/12	3507.08	17.89	18.65	0.76	3489.08
MW - 7	06/08/12	3507.08	17.95	18.83	0.88	3489.00
MW - 7	06/12/12	3507.08	17.99	18.78	0.79	3488.97
MW - 7	06/21/12	3507.08	17.94	18.46	0.52	3489.06
MW - 7	06/29/12	3507.08	18.02	18.55	0.53	3488.98
MW - 7	07/13/12	3507.08	18.21	18.69	0.48	3488.80
MW - 7	12/06/12	3507.08	18.21	18.91	0.70	3488.77
MW - 7	12/11/12	3507.08	18.21	18.94	0.73	3488.76
MW - 7	12/18/12	3507.08	18.19	18.83	0.64	3488.79
MW - 7	01/09/13	3507.08	18.17	18.81	0.64	3488.81
MW - 7	01/15/13	3507.08	18.16	18.81	0.65	3488.82
MW - 7	01/23/13	3507.08	18.15	18.85	0.70	3488.83
MW - 7	01/29/13	3507.08	18.13	18.74	0.61	3488.86
MW - 7	02/07/13	3507.08	18.13	18.89	0.76	3488.84
MW - 7	02/13/13	3507.08	18.11	18.60	0.49	3488.90
MW - 7	02/20/13	3507.08	18.50	19.19	0.69	3488.48
MW - 7	03/15/13	3507.08	18.11	18.63	0.52	3488.89
MW - 7	03/19/13	3507.08	18.05	18.83	0.78	3488.91
MW - 7	04/02/13	3507.08	18.02	18.61	0.59	3488.97
MW - 7	04/09/13	3507.08	18.00	18.54	0.54	3489.00
MW - 7	04/16/13	3507.08	17.99	18.51	0.52	3489.01
MW - 7	04/23/13	3507.08	18.01	18.46	0.45	3489.00
MW - 7	04/30/13	3507.08	17.96	18.84	0.88	3488.99
MW - 7	05/08/13	3507.08	17.99	18.45	0.46	3489.02
MW - 7	05/14/13	3507.08	17.96	18.29	0.33	3489.07
MW - 7	05/22/13	3507.08	17.95	18.33	0.38	3489.07
MW - 7	05/28/13	3507.08	17.96	18.38	0.42	3489.06
MW - 7	06/04/13	3507.08	17.98	18.37	0.39	3489.04
MW - 7	06/11/13	3507.08	18.07	18.43	0.36	3488.96
MW - 7	06/19/13	3507.08	18.16	18.21	0.05	3488.91
MW - 7	06/28/13	3507.08	18.23	18.63	0.40	3488.79
MW - 7	07/01/13	3507.08	18.30	18.50	0.20	3488.75
MW - 7	07/08/13	3507.08	18.39	18.44	0.05	3488.68
MW - 7	07/23/13	3507.08	18.45	18.54	0.09	3488.62
MW - 7	07/30/13	3507.08	18.32	18.57	0.25	3488.72
MW - 7	08/05/13	3507.08	18.38	18.60	0.22	3488.67
MW - 7	08/12/13	3507.08	18.34	18.60	0.26	3488.70
MW - 7	08/22/13	3507.08	18.43	18.73	0.30	3488.61
MW - 7	08/29/13	3507.08	18.49	18.75	0.26	3488.55
MW - 7	09/05/13	3507.08	18.53	18.85	0.32	3488.50
MW - 7	09/10/13	3507.08	18.59	18.82	0.23	3488.46
MW - 7	09/17/13	3507.08	18.62	18.85	0.23	3488.43
MW - 7	09/24/13	3507.08	18.62	18.85	0.23	3488.43
MW - 7	10/07/13	3507.08	18.69	18.97	0.28	3488.35

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	11/14/13	-	21.87	22.35	0.48	-
MW - 7	11/21/13	-	21.83	22.30	0.47	-
MW - 7	12/12/13	-	21.76	22.30	0.54	-
MW - 7	12/19/13	-	21.73	22.30	0.57	-
MW - 7	01/03/14	-	21.70	22.20	0.50	-
MW - 7	01/09/14	-	21.71	22.22	0.51	-
MW - 7	01/13/14	-	21.72	22.18	0.46	-
MW - 7	01/21/14	-	21.69	22.09	0.40	-
MW - 7	01/24/14	-	21.72	22.17	0.45	-
MW - 7	02/04/14	3511.57	21.66	22.11	0.45	3489.84
MW - 7	02/10/14	3511.57	21.66	22.20	0.54	3489.83
MW - 7	02/27/14	3511.57	21.59	22.10	0.51	3489.90
MW - 7	03/17/14	3511.57	21.56	22.07	0.51	3489.93
MW - 7	03/27/14	3511.57	21.51	22.23	0.72	3489.95
MW - 7	04/02/14	3511.57	21.53	22.04	0.51	3489.96
MW - 7	04/16/14	3511.57	21.48	22.27	0.79	3489.97
MW - 7	04/22/14	3511.57	21.49	22.05	0.56	3490.00
MW - 7	04/28/14	3511.57	21.42	21.89	0.47	3490.08
MW - 7	05/06/14	3511.57	21.47	21.91	0.44	3490.03
MW - 7	05/13/14	3511.57	21.53	22.20	0.67	3489.94
MW - 7	05/14/14	3511.57	21.58	21.76	0.18	3489.96
MW - 7	05/21/14	3511.57	21.54	22.15	0.61	3489.94
MW - 7	06/05/14	3511.57	21.62	22.11	0.49	3489.88
MW - 7	06/11/14	3511.57	21.75	22.05	0.30	3489.78
MW - 7	06/16/14	3511.57	21.79	22.22	0.43	3489.72
MW - 7	06/24/14	3511.57	21.90	22.28	0.38	3489.61
MW - 7	07/01/14	3511.57	21.96	22.35	0.39	3489.55
MW - 7	07/08/14	3511.57	22.08	22.15	0.07	3489.48
MW - 7	07/15/14	3511.57	22.05	22.30	0.25	3489.48
MW - 7	07/22/14	3511.57	22.13	22.85	0.72	3489.33
MW - 7	07/23/14	3511.57	22.13	22.85	0.72	3489.33
MW - 7	07/31/14	3511.57	22.17	22.52	0.35	3489.35
MW - 7	08/05/14	3511.57	22.22	22.35	0.13	3489.33
MW - 7	08/07/14	3511.57	22.22	22.50	0.28	3489.31
MW - 7	08/15/14	3511.57	22.22	22.85	0.63	3489.26
MW - 7	08/20/14	3511.57	22.23	22.44	0.21	3489.31
MW - 7	08/27/14	3511.57	22.26	22.49	0.23	3489.28
MW - 7	09/24/14	3511.57	21.68	21.95	0.27	3489.85
MW - 7	10/01/14	3511.57	21.35	21.47	0.12	3490.20
MW - 7	10/07/14	3511.57	21.19	21.22	0.03	3490.38
MW - 7	10/14/14	3511.57	21.16	21.22	0.06	3490.40
MW - 7	10/15/14	3511.57	21.16	21.22	0.06	3490.40
MW - 7	10/20/14	3511.57	21.12	21.29	0.17	3490.42
MW - 7	10/24/14	3511.57	21.11	21.30	0.19	3490.43
MW - 7	10/27/14	3511.57	21.12	21.19	0.07	3490.44
MW - 7	11/11/14	3511.57	21.05	21.43	0.38	3490.46
MW - 7	11/19/14	3511.57	21.05	21.43	0.38	3490.46
MW - 7	12/08/14	3511.57	21.06	21.33	0.27	3490.47
MW - 7	12/15/14	3511.57	21.06	21.44	0.38	3490.45
MW - 7	12/18/14	3511.57	21.04	21.22	0.18	3490.50
MW - 7	12/22/14	3511.57	21.04	21.22	0.18	3490.50
MW - 7	12/29/14	3511.57	21.05	21.26	0.21	3490.49
MW - 7	01/05/15	3511.57	21.07	21.23	0.16	3490.48
MW - 7	01/12/15	3511.57	21.09	21.28	0.19	3490.45

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	01/19/15	3511.57	21.05	21.19	0.14	3490.50
MW - 7	02/04/15	3511.57	21.05	21.21	0.16	3490.50
MW - 7	02/09/15	3511.57	21.04	21.14	0.10	3490.52
MW - 7	02/19/15	3511.57	21.04	21.20	0.16	3490.51
MW - 7	03/03/15	3511.57	21.01	21.17	0.16	3490.54
MW - 7	03/09/15	3511.57	21.04	21.19	0.15	3490.51
MW - 7	03/16/15	3511.57	21.02	21.13	0.11	3490.53
MW - 7	03/20/15	3511.57	21.06	21.22	0.16	3490.49
MW - 7	03/23/15	3511.57	21.01	21.12	0.11	3490.54
MW - 7	03/30/15	3511.57	21.01	21.16	0.15	3490.54
MW - 7	04/04/15	3511.57	21.03	21.15	0.12	3490.52
MW - 7	04/07/15	3511.57	21.01	21.13	0.12	3490.54
MW - 7	04/14/15	3511.57	20.99	21.13	0.14	3490.56
MW - 7	04/20/15	3511.57	20.95	21.07	0.12	3490.60
MW - 7	04/27/15	3511.57	20.98	21.10	0.12	3490.57
MW - 7	05/07/15	3511.57	20.93	21.03	0.10	3490.63
MW - 7	05/11/15	3511.57	20.94	21.03	0.09	3490.62
MW - 7	05/21/15	3511.57	20.90	21.00	0.10	3490.66
MW - 7	05/27/15	3511.57	20.89	21.02	0.13	3490.66
MW - 7	05/28/15	3511.57	20.87	21.04	0.17	3490.67
MW - 7	06/03/15	3511.57	20.87	21.06	0.19	3490.67
MW - 7	06/08/15	3511.57	20.88	21.10	0.22	3490.66
MW - 7	06/15/15	3511.57	20.90	21.07	0.17	3490.64
MW - 7	06/25/15	3511.57	20.85	21.03	0.18	3490.69
MW - 7	06/29/15	3511.57	20.86	20.99	0.13	3490.69
MW - 7	07/08/15	3511.57	20.93	21.16	0.23	3490.61
MW - 7	07/09/15	3511.57	20.93	21.07	0.14	3490.62
MW - 7	07/14/15	3511.57	20.97	21.18	0.21	3490.57
MW - 7	07/20/15	3511.57	21.04	21.22	0.18	3490.50
MW - 7	07/28/15	3511.57	21.12	21.35	0.23	3490.42
MW - 7	08/03/15	3511.57	21.18	21.43	0.25	3490.35
MW - 7	08/04/15	3511.57	21.21	21.46	0.25	3490.32
MW - 7	08/10/15	3511.57	21.27	21.43	0.16	3490.28
MW - 7	08/17/15	3511.57	21.30	21.52	0.22	3490.24
MW - 7	08/25/15	3511.57	21.33	21.54	0.21	3490.21
MW - 7	08/31/15	3511.57	21.36	21.58	0.22	3490.18
MW - 7	09/08/15	3511.57	21.35	21.66	0.31	3490.17
MW - 7	09/15/15	3511.57	21.37	21.69	0.32	3490.15
MW - 7	09/24/15	3511.57	21.47	21.59	0.12	3490.08
MW - 7	09/28/15	3511.57	21.43	21.60	0.17	3490.11
MW - 7	10/06/15	3511.57	21.44	21.63	0.19	3490.10
MW - 7	10/12/15	3511.57	21.38	21.51	0.13	3490.17
MW - 7	10/26/15	3511.57	21.22	21.37	0.15	3490.33
MW - 7	11/06/15	3511.57	21.12	21.32	0.20	3490.42
MW - 7	11/10/15	3511.57	21.10	21.25	0.15	3490.45
MW - 7	11/18/15	3511.57	21.05	21.24	0.19	3490.49
MW - 7	12/02/15	3511.57	21.04	21.32	0.28	3490.49
MW - 7	12/07/15	3511.57	20.99	21.24	0.25	3490.54
MW - 7	12/14/15	3511.57	20.98	21.22	0.24	3490.55
MW - 7	01/05/16	3511.57	20.93	21.24	0.31	3490.59
MW - 7	01/08/16	3511.57	20.94	21.32	0.38	3490.57
MW - 7	01/12/16	3511.57	20.96	21.27	0.31	3490.56
MW - 7	01/18/16	3511.57	20.93	21.21	0.28	3490.60
MW - 7	01/25/16	3511.57	20.93	21.20	0.27	3490.60

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	02/01/16	3511.57	20.88	21.17	0.29	3490.65
MW - 7	02/08/16	3511.57	20.91	21.21	0.30	3490.62
MW - 7	02/19/16	3511.57	20.85	21.16	0.31	3490.67
MW - 7	02/23/16	3511.57	20.84	21.15	0.31	3490.68
MW - 7	03/03/16	3511.57	20.85	21.20	0.35	3490.67
MW - 7	03/07/16	3511.57	20.82	21.11	0.29	3490.71
MW - 7	03/15/16	3511.57	20.81	21.10	0.29	3490.72
MW - 7	03/21/16	3511.57	20.76	21.06	0.30	3490.77
MW - 7	03/28/16	3511.57	20.78	21.01	0.23	3490.76
MW - 7	04/05/16	3511.57	20.75	20.97	0.22	3490.79
MW - 7	04/08/16	3511.57	20.79	21.04	0.25	3490.74
MW - 7	04/12/16	3511.57	20.76	20.99	0.23	3490.78
MW - 7	04/18/16	3511.57	20.76	20.98	0.22	3490.78
MW - 7	04/25/16	3511.57	20.70	20.93	0.23	3490.84
MW - 7	05/02/16	3511.57	20.69	20.94	0.25	3490.84
MW - 7	05/23/16	3511.57	20.71	20.95	0.24	3490.82
MW - 7	06/01/16	3511.57	20.77	21.05	0.28	3490.76
MW - 7	06/06/16	3511.57	20.82	21.15	0.33	3490.70
MW - 7	06/09/16	3511.57	20.82	21.15	0.33	3490.70
MW - 7	06/28/16	3511.57	21.04	21.49	0.45	3490.46
MW - 7	07/12/16	3511.57	21.21	21.84	0.63	3490.27
MW - 7	07/19/16	3511.57	21.30	21.70	0.40	3490.21
MW - 7	07/27/16	3511.57	21.36	21.75	0.39	3490.15
MW - 7	08/03/16	3511.57	21.40	21.84	0.44	3490.10
MW - 7	08/04/16	3511.57	21.43	21.87	0.44	3490.07
MW - 7	08/08/16	3511.57	21.45	21.94	0.49	3490.05
MW - 7	08/16/16	3511.57	21.49	22.00	0.51	3490.00
MW - 7	08/23/16	3511.57	21.51	21.98	0.47	3489.99
MW - 7	08/31/16	3511.57	21.34	21.71	0.37	3490.17
MW - 7	09/14/16	3511.57	20.68	20.96	0.28	3490.85
MW - 7	09/22/16	3511.57	20.49	20.77	0.28	3491.04
MW - 7	09/27/16	3511.57	20.41	20.71	0.30	3491.12
MW - 7	10/07/16	3511.57	20.39	20.63	0.24	3491.14
MW - 7	10/21/16	3511.57	20.36	20.58	0.22	3491.18
MW - 7	10/28/16	3511.57	20.38	20.67	0.29	3491.15
MW - 7	11/04/16	3511.57	20.41	20.55	0.14	3491.14
MW - 7	11/09/16	3511.57	20.41	20.65	0.24	3491.12
MW - 7	12/06/16	3511.57	20.39	20.42	0.03	3491.18
MW - 7	12/15/16	3511.57	20.44	20.66	0.22	3491.10
MW - 7	12/22/16	3511.57	20.46	20.65	0.19	3491.08
MW - 7	12/29/16	3511.57	20.49	20.65	0.16	3491.06
MW - 7	01/05/17	3511.57	20.39	20.58	0.19	3491.15
MW - 7	01/11/17	3511.57	20.43	20.53	0.10	3491.13
MW - 7	01/18/17	3511.57	20.45	20.57	0.12	3491.10
MW - 7	01/26/17	3511.57	20.47	20.59	0.12	3491.08
MW - 7	01/31/17	3511.57	20.43	20.52	0.09	3491.13
MW - 7	02/10/17	3511.57	20.44	20.57	0.13	3491.11
MW - 7	02/17/17	3511.57	20.40	20.54	0.14	3491.15
MW - 7	02/24/17	3511.57	20.45	20.63	0.18	3491.09
MW - 7	03/01/17	3511.57	20.48	20.60	0.12	3491.07
MW - 7	03/09/17	3511.57	20.40	20.55	0.15	3491.15
MW - 7	03/15/17	3511.57	20.40	20.54	0.14	3491.15
MW - 7	03/22/17	3511.57	20.42	20.62	0.20	3491.12
MW - 7	04/07/17	3511.57	20.39	20.57	0.18	3491.15

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	04/11/17	3511.57	20.39	20.48	0.09	3491.17
MW - 7	04/20/17	3511.57	20.34	20.51	0.17	3491.20
MW - 7	05/02/17	3511.57	20.34	20.51	0.17	3491.20
MW - 7	05/12/17	3511.57	20.37	20.51	0.14	3491.18
MW - 7	05/16/17	3511.57	20.39	20.51	0.12	3491.16
MW - 7	05/24/17	3511.57	20.44	20.58	0.14	3491.11
MW - 7	06/02/17	3511.57	20.51	20.71	0.20	3491.03
MW - 7	06/05/17	3511.57	20.53	20.70	0.17	3491.01
MW - 7	06/15/17	3511.57	20.67	20.85	0.18	3490.87
MW - 7	06/28/17	3511.57	20.79	20.98	0.19	3490.75
MW - 7	07/05/17	3511.57	20.88	21.15	0.27	3490.65
MW - 7	07/11/17	3511.57	20.82	21.02	0.20	3490.72
MW - 7	07/17/17	3511.57	20.96	21.19	0.23	3490.58
MW - 7	07/20/17	3511.57	21.00	21.19	0.19	3490.54
MW - 7	08/11/17	3511.57	20.97	21.13	0.16	3490.58
MW - 7	08/16/17	3511.57	20.96	21.18	0.22	3490.58
MW - 7	09/05/17	3511.57	20.76	20.91	0.15	3490.79
MW - 7	09/13/17	3511.57	20.75	20.93	0.18	3490.79
MW - 7	09/19/17	3511.57	20.76	20.95	0.19	3490.78
MW - 7	09/29/17	3511.57	20.81	21.04	0.23	3490.73
MW - 7	10/05/17	3511.57	20.85	21.09	0.24	3490.68
MW - 7	10/12/17	3511.57	20.67	20.86	0.19	3490.87
MW - 7	10/20/17	3511.57	20.63	20.86	0.23	3490.91
MW - 7	10/24/17	3511.57	20.65	20.86	0.21	3490.89
MW - 7	11/02/17	3511.57	20.59	20.79	0.20	3490.95
MW - 7	11/14/17	3511.57	20.57	20.80	0.23	3490.97
MW - 7	11/21/17	3511.57	20.59	20.84	0.25	3490.94
MW - 7	12/08/17	3511.57	20.52	20.64	0.12	3491.03
MW - 7	12/14/17	3511.57	20.57	20.66	0.09	3490.99
MW - 7	12/20/17	3511.57	20.49	20.56	0.07	3491.07
MW - 7	12/28/17	3511.57	20.47	20.53	0.06	3491.09
MW - 7	01/03/18	3511.57	20.52	20.58	0.06	3491.04
MW - 7	01/09/18	3511.57	20.47	20.56	0.09	3491.09
MW - 7	01/19/18	3511.57	20.48	20.56	0.08	3491.08
MW - 7	01/24/18	3511.57	20.49	20.58	0.09	3491.07
MW - 7	02/02/18	3511.57	20.48	20.58	0.10	3491.08
MW - 7	02/08/18	3511.57	20.44	20.49	0.05	3491.12
MW - 7	02/12/18	3511.57	20.39	20.43	0.04	3491.17
MW - 7	02/22/18	3511.57	20.46	20.54	0.08	3491.10
MW - 7	03/02/18	3511.57	20.44	20.53	0.09	3491.12
MW - 7	03/07/18	3511.57	20.44	20.53	0.09	3491.12
MW - 7	03/15/18	3511.57	20.42	20.50	0.08	3491.14
MW - 7	03/19/18	3511.57	20.41	20.49	0.08	3491.15
MW - 7	03/29/18	3511.57	20.43	20.54	0.11	3491.12
MW - 7	04/02/18	3511.57	20.40	20.53	0.13	3491.15
MW - 7	04/11/18	3511.57	20.37	20.51	0.14	3491.18
MW - 7	04/16/18	3511.57	20.37	20.49	0.12	3491.18
MW - 7	04/25/18	3511.57	20.42	20.56	0.14	3491.13
MW - 7	05/01/18	3511.57	20.40	20.53	0.13	3491.15
MW - 7	05/08/18	3511.57	20.43	20.56	0.13	3491.12
MW - 7	05/31/18	3511.57	20.70	20.85	0.15	3490.85
MW - 7	06/06/18	3511.57	20.79	20.91	0.12	3490.76
MW - 7	06/13/18	3511.57	20.81	20.91	0.10	3490.75
MW - 7	06/18/18	3511.57	20.86	21.04	0.18	3490.68

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	06/25/18	3511.57	20.87	20.91	0.04	3490.69
MW - 7	07/02/18	3511.57	20.98	20.99	0.01	3490.59
MW - 7	07/11/18	3511.57	21.03	21.09	0.06	3490.53
MW - 7	07/19/18	3511.57	21.09	21.14	0.05	3490.47
MW - 7	07/27/18	3511.57	-	21.18	0.00	3490.39
MW - 7	08/08/18	3511.57	-	21.28	0.00	3490.29
MW - 7	08/30/18	3511.57	-	21.37	0.00	3490.20
MW - 7	09/12/18	3511.57	-	21.35	0.00	3490.22
MW - 7	09/20/18	3511.57	-	21.26	0.00	3490.31
MW - 7	09/26/18	3511.57	-	21.26	0.00	3490.31
MW - 7	10/03/18	3511.57	-	21.26	0.00	3490.31
MW - 7	10/19/18	3511.57	-	21.25	0.00	3490.32
MW - 7	10/31/18	3511.57	-	21.13	0.00	3490.44
MW - 7	11/06/18	3511.57	-	21.11	0.00	3490.46
MW - 7	11/13/18	3511.57	-	21.12	0.00	3490.45
MW - 7	12/03/18	3511.57	-	21.04	0.00	3490.53
MW - 7	12/19/18	3511.57	-	20.93	0.00	3490.64
MW - 7	12/27/18	3511.57	-	20.89	0.00	3490.68
MW - 7	01/03/19	3511.57	-	24.95	0.00	3486.62
MW - 7	01/09/19	3511.57	-	20.89	0.00	3490.68
MW - 7	01/16/19	3511.57	20.89	20.99	0.10	3490.67
MW - 7	01/23/19	3511.57	20.91	20.99	0.08	3490.65
MW - 7	01/31/19	3511.57	-	20.84	0.00	3490.73
MW - 7	02/06/19	3511.57	-	20.83	0.00	3490.74
MW - 7	02/13/19	3511.57	-	20.81	0.00	3490.76
MW - 7	02/21/19	3511.57	-	20.80	0.00	3490.77
MW - 7	02/07/19	3511.57	-	26.72	0.00	3484.85
MW - 7	02/28/19	3511.57	-	20.76	0.00	3490.81
MW - 7	03/06/19	3511.57	-	20.74	0.00	3490.83
MW - 7	03/12/19	3511.57	-	20.76	0.00	3490.81
MW - 7	03/19/19	3511.57	-	20.72	0.00	3490.85
MW - 7	03/28/19	3511.57	-	20.78	0.00	3490.79
MW - 7	04/01/19	3511.57	-	20.71	0.00	3490.86
MW - 7	04/10/19	3511.57	-	20.70	0.00	3490.87
MW - 7	04/17/19	3511.57	-	20.67	0.00	3490.90
MW - 7	04/24/19	3511.57	-	21.70	0.00	3489.87
MW - 7	05/01/19	3511.57	-	20.70	0.00	3490.87
MW - 7	05/08/19	3511.57	-	20.68	0.00	3490.89
MW - 7	05/17/19	3511.57	-	20.63	0.00	3490.94
MW - 7	05/23/19	3511.57	-	20.68	0.00	3490.89
MW - 7	05/31/19	3511.57	-	20.80	0.00	3490.77
MW - 7	06/14/19	3511.57	-	20.86	0.00	3490.71
MW - 7	06/18/19	3511.57	-	20.91	0.00	3490.66
MW - 7	06/28/19	3511.57	-	21.06	0.00	3490.51
MW - 7	07/11/19	3511.57	-	21.17	0.00	3490.40
MW - 7	07/19/19	3511.57	-	21.26	0.00	3490.31
MW - 7	07/26/19	3511.57	21.25	21.27	0.02	3490.32
MW - 7	08/02/19	3511.57	21.28	21.30	0.02	3490.29
MW - 7	08/08/19	3511.57	-	21.33	0.00	3490.24
MW - 7	08/16/19	3511.57	-	21.40	0.00	3490.17
MW - 7	08/20/19	3511.57	-	21.43	0.00	3490.14
MW - 7	09/12/19	3511.57	-	21.55	0.00	3490.02
MW - 7	09/17/19	3511.57	-	21.56	0.00	3490.01
MW - 7	10/08/19	3511.57	-	21.44	0.00	3490.13



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	10/15/19	3511.57	-	21.34	0.00	3490.23
MW - 7	10/24/19	3511.57	-	21.34	0.00	3490.23
MW - 7	10/31/19	3511.57	-	21.29	0.00	3490.28
MW - 7	11/06/19	3511.57	-	21.26	0.00	3490.31
MW - 7	11/13/19	3511.57	-	21.21	0.00	3490.36
MW - 7	11/22/19	3511.57	-	21.16	0.00	3490.41
MW - 7	12/02/19	3511.57	-	21.09	0.00	3490.48
MW - 7	12/12/19	3511.57	-	21.04	0.00	3490.53
MW - 7	12/17/19	3511.57	-	21.05	0.00	3490.52
MW - 7	12/26/19	3511.57	-	21.01	0.00	3490.56
MW - 7	01/06/20	3511.57	-	21.01	0.00	3490.56
MW - 7	01/17/20	3511.57	-	20.98	0.00	3490.59
MW - 7	01/23/20	3511.57	-	20.95	0.00	3490.62
MW - 7	01/29/20	3511.57	-	21.96	0.00	3489.61
MW - 7	02/14/20	3511.57	-	20.92	0.00	3490.65
MW - 7	02/21/20	3511.57	-	20.92	0.00	3490.65
MW - 7	02/28/20	3511.57	-	20.89	0.00	3490.68
MW - 7	03/11/20	3511.57	-	20.87	0.00	3490.70
MW - 7	03/05/20	3511.57	-	20.91	0.00	3490.66
MW - 7	05/14/20	3511.57	20.66	20.67	0.01	3490.91
MW - 7	05/21/20	3511.57	20.70	20.71	0.01	3490.87
MW - 7	06/18/20	3511.57	21.10	21.12	0.02	3490.47
MW - 7	07/01/20	3511.57	21.25	21.30	0.05	3490.31
MW - 7	07/21/20	3511.57	21.36	21.67	0.31	3490.16
MW - 7	07/27/20	3511.57	21.40	21.73	0.33	3490.12
MW - 7	08/13/20	3511.57	21.49	21.80	0.31	3490.03
MW - 7	09/14/20	3511.57	21.60	22.04	0.44	3489.90
MW - 7	09/30/20	3511.57	21.61	22.07	0.46	3489.89
MW - 7	10/16/20	3511.57	21.68	22.12	0.44	3489.82
MW - 7	11/23/20	3511.57	21.70	22.15	0.45	3489.80
MW - 7	12/10/20	3511.57	21.70	22.02	0.32	3489.82
MW - 7	12/31/20	3511.57	21.67	22.10	0.43	3489.84
MW - 7	01/13/21	3511.57	21.64	22.04	0.40	3489.87
MW - 7	01/22/21	3511.57	21.65	22.05	0.40	3489.86
MW - 7	02/11/21	3511.57	21.60	22.02	0.42	3489.91
MW - 7	03/12/21	3511.57	21.53	21.95	0.42	3489.98
MW - 7	04/21/21	3511.57	21.48	21.90	0.42	3490.03
MW - 7	04/28/21	3511.57	21.46	22.11	0.65	3490.01
MW - 7	05/20/21	3511.57	21.35	21.80	0.45	3490.15
MW - 7	06/11/21	3511.57	21.48	22.05	0.57	3490.00
MW - 7	07/31/21	3511.57	21.50	22.58	1.08	3489.91
MW - 7	08/31/21	3511.57	21.80	22.59	0.79	3489.65
MW - 7	09/23/21	3511.57	21.82	22.22	0.40	3489.69
MW - 7	10/14/21	3511.57	21.84	22.20	0.36	3489.68
MW - 7	11/22/21	3511.57	21.93	22.60	0.67	3489.54
MW - 7	12/07/21	3511.57	21.93	22.20	0.27	3489.60
MW - 7	01/19/22	3511.57	21.95	22.32	0.37	3489.56
MW - 7	02/23/22	3511.57	21.80	22.03	0.23	3489.74
MW - 7	03/15/22	3511.57	21.76	21.97	0.21	3489.78
MW - 7	03/30/22	3511.57	21.79	21.99	0.20	3489.75
MW - 7	04/13/22	3511.57	21.80	21.90	0.10	3489.76
MW - 7	04/20/22	3511.57	21.77	21.92	0.15	3489.78
MW - 7	05/11/22	3511.57	21.84	22.20	0.36	3489.68
MW - 7	05/31/22	3511.57	22.00	23.21	1.21	3489.39

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 7	06/27/22	3511.57	22.06	23.04	0.98	3489.36
MW - 7	07/25/22	3511.57	22.20	23.20	1.00	3489.22
MW - 7	08/16/22	3511.57	22.30	22.96	0.66	3489.17
MW - 7	09/08/22	3511.57	22.38	22.78	0.40	3489.13
MW - 7	11/10/22	3511.57	22.10	22.13	0.03	3489.47
MW - 8	11/11/03	3506.39	20.25	20.39	0.14	3486.12
MW - 8	11/18/03	3506.39	19.95	20.09	0.14	3486.42
MW - 8	12/10/03	3506.39	19.83	20.09	0.26	3486.52
MW - 8	06/20/02	3506.39	18.31	18.99	0.68	3487.98
MW - 8	09/26/02	3506.39	18.58	19.83	1.25	3487.62
MW - 8	11/12/02	3506.39	18.67	19.63	0.96	3487.58
MW - 8	01/07/03	3506.39	18.40	19.36	0.96	3487.85
MW - 8	01/27/03	3506.39	18.46	18.93	0.47	3487.86
MW - 8	02/26/03	3506.39	18.27	19.12	0.85	3487.99
MW - 8	03/11/03	3506.39	18.37	18.61	0.24	3487.98
MW - 8	03/19/03	3506.39	18.39	18.58	0.19	3487.97
MW - 8	03/25/03	3506.39	18.34	18.53	0.19	3488.02
MW - 8	04/16/03	3506.39	18.32	18.48	0.16	3488.05
MW - 8	04/23/03	3506.39	18.28	18.77	0.49	3488.04
MW - 8	04/29/03	3506.39	18.26	18.78	0.52	3488.05
MW - 8	05/14/03	3506.39	18.37	19.02	0.65	3487.92
MW - 8	05/20/03	3506.39	18.56	19.20	0.64	3487.73
MW - 8	05/27/03	3506.39	18.58	19.10	0.52	3487.73
MW - 8	06/04/03	3506.39	18.53	18.86	0.33	3487.81
MW - 8	06/26/03	3506.39	18.32	18.60	0.28	3488.03
MW - 8	07/07/03	3506.39	18.99	19.47	0.48	3487.33
MW - 8	07/30/03	3506.39	19.00	19.57	0.57	3487.30
MW - 8	08/06/03	3506.39	19.27	19.70	0.43	3487.06
MW - 8	08/21/03	3506.39	19.42	19.94	0.52	3486.89
MW - 8	08/26/03	3506.39	19.54	19.94	0.40	3486.79
MW - 8	09/08/03	3506.39	19.39	19.81	0.42	3486.94
MW - 8	09/15/03	3506.39	19.41	19.80	0.39	3486.92
MW - 8	09/24/03	3506.39	19.74	20.19	0.45	3486.58
MW - 8	10/02/03	3506.39	19.49	20.19	0.70	3486.80
MW - 8	10/08/03	3506.39	19.38	20.04	0.66	3486.91
MW - 8	10/16/03	3506.39	19.72	20.42	0.70	3486.57
MW - 8	10/28/03	3506.39	19.72	20.50	0.78	3486.55
MW - 8	11/11/03	3506.39	19.83	20.50	0.67	3486.46
MW - 8	12/10/03	3506.39	19.37	19.99	0.62	3486.93
MW - 8	02/02/04	3506.39	19.32	20.67	1.35	3486.87
MW - 8	02/26/04	3506.39	19.30	20.35	1.05	3486.93
MW - 8	03/16/04	3506.39	19.50	20.56	1.06	3486.73
MW - 8	03/19/04	3506.39	19.50	20.46	0.96	3486.75
MW - 8	03/25/04	3506.39	19.46	20.50	1.04	3486.77
MW - 8	04/01/04	3506.39	19.43	20.37	0.94	3486.82
MW - 8	04/08/04	3506.39	19.40	20.44	1.04	3486.83
MW - 8	04/14/04	3506.39	18.63	19.76	1.13	3487.59
MW - 8	04/16/04	3506.39	18.81	19.80	0.99	3487.43
MW - 8	04/22/04	3506.39	17.95	19.13	1.18	3488.26
MW - 8	04/29/04	3506.39	17.95	19.18	1.23	3488.26
MW - 8	05/11/04	3506.39	17.92	19.30	1.38	3488.26
MW - 8	06/08/04	3506.39	18.06	19.63	1.57	3488.09
MW - 8	06/17/04	3506.39	18.02	19.71	1.69	3488.12

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	06/22/04	3506.39	18.07	19.83	1.76	3488.06
MW - 8	06/29/04	3506.39	18.04	19.88	1.84	3488.07
MW - 8	07/06/04	3506.39	18.00	19.65	1.65	3488.14
MW - 8	07/13/04	3506.39	18.03	19.67	1.64	3488.11
MW - 8	07/20/04	3506.39	18.20	19.88	1.68	3487.94
MW - 8	08/04/04	3506.39	18.19	19.89	1.70	3487.95
MW - 8	08/10/04	3506.39	18.20	19.81	1.61	3487.95
MW - 8	08/16/04	3506.39	18.37	19.32	0.95	3487.88
MW - 8	08/23/04	3506.39	18.30	19.88	1.58	3487.85
MW - 8	08/25/04	3506.39	18.33	19.65	1.32	3487.86
MW - 8	08/26/04	3506.39	18.29	19.65	1.36	3487.90
MW - 8	08/31/04	3506.39	18.37	19.76	1.39	3487.81
MW - 8	09/13/04	3506.39	18.45	19.72	1.27	3487.75
MW - 8	09/20/04	3506.39	18.53	19.72	1.19	3487.68
MW - 8	09/30/04	3506.39	18.58	19.63	1.05	3487.65
MW - 8	10/04/04	3506.39	17.88	19.22	1.34	3488.31
MW - 8	10/11/04	3506.39	17.76	19.55	1.79	3488.36
MW - 8	10/18/04	3506.39	17.70	19.59	1.89	3488.41
MW - 8	10/26/04	3506.39	17.89	19.22	1.33	3488.30
MW - 8	11/02/04	3506.39	18.08	18.49	0.41	3488.25
MW - 8	11/08/04	3506.39	17.94	18.94	1.00	3488.30
MW - 8	11/15/04	3506.39	17.76	18.80	1.04	3488.47
MW - 8	12/01/04	3506.39	17.78	18.87	1.09	3488.45
MW - 8	12/03/04	3506.39	17.78	18.84	1.06	3488.45
MW - 8	12/14/04	3506.39	17.62	18.11	0.49	3488.70
MW - 8	12/21/04	3506.39	17.58	18.45	0.87	3488.68
MW - 8	12/29/04	3506.39	17.56	18.48	0.92	3488.69
MW - 8	01/11/05	3506.39	17.38	18.29	0.91	3488.87
MW - 8	01/14/05	3506.39	17.42	18.20	0.78	3488.85
MW - 8	01/18/05	3506.39	17.29	18.81	1.52	3488.87
MW - 8	01/21/05	3506.39	17.35	18.09	0.74	3488.93
MW - 8	01/25/05	3506.39	17.29	18.74	1.45	3488.88
MW - 8	01/28/05	3506.39	17.40	18.13	0.73	3488.88
MW - 8	02/02/05	3506.39	17.26	18.69	1.43	3488.92
MW - 8	02/05/05	3506.39	17.39	18.02	0.63	3488.91
MW - 8	02/08/05	3506.39	17.26	18.25	0.99	3488.98
MW - 8	02/15/05	3506.39	17.22	18.14	0.92	3489.03
MW - 8	02/18/05	3506.39	17.33	18.03	0.70	3488.96
MW - 8	02/22/05	3506.39	17.21	17.94	0.73	3489.07
MW - 8	02/25/05	3506.39	17.21	17.68	0.47	3489.11
MW - 8	03/01/05	3506.39	17.14	17.88	0.74	3489.14
MW - 8	03/04/05	3506.39	17.18	17.71	0.53	3489.13
MW - 8	03/08/05	3506.39	17.12	17.80	0.68	3489.17
MW - 8	03/08/05	3506.39	17.12	17.82	0.70	3489.17
MW - 8	03/11/05	3506.39	17.20	17.71	0.51	3489.11
MW - 8	03/15/05	3506.39	17.12	17.56	0.44	3489.20
MW - 8	03/18/05	3506.39	17.10	17.55	0.45	3489.22
MW - 8	03/22/05	3506.39	17.10	17.41	0.31	3489.24
MW - 8	03/28/05	3506.39	17.02	17.49	0.47	3489.30
MW - 8	04/01/05	3506.39	17.05	17.53	0.48	3489.27
MW - 8	04/05/05	3506.39	17.00	17.54	0.54	3489.31
MW - 8	04/08/05	3506.39	17.03	17.55	0.52	3489.28
MW - 8	04/15/05	3506.39	16.90	17.74	0.84	3489.36
MW - 8	05/25/05	3506.39	16.73	17.40	0.67	3489.56

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	05/27/05	3506.39	16.88	17.36	0.48	3489.44
MW - 8	05/31/05	3506.39	16.69	17.20	0.51	3489.62
MW - 8	06/03/05	3506.39	16.65	17.30	0.65	3489.64
MW - 8	06/08/05	3506.39	16.66	17.26	0.60	3489.64
MW - 8	06/08/05	3506.39	16.66	17.26	0.60	3489.64
MW - 8	06/13/05	3506.39	16.64	17.37	0.73	3489.64
MW - 8	06/20/05	3506.39	16.67	17.39	0.72	3489.61
MW - 8	06/24/05	3506.39	16.65	17.45	0.80	3489.62
MW - 8	06/27/05	3506.39	16.70	17.14	0.44	3489.62
MW - 8	07/11/05	3506.39	16.79	17.50	0.71	3489.49
MW - 8	07/15/05	3506.39	16.86	17.40	0.54	3489.45
MW - 8	07/18/05	3506.39	16.86	17.52	0.66	3489.43
MW - 8	07/21/05	3506.39	16.95	17.35	0.40	3489.38
MW - 8	07/25/05	3506.39	16.96	17.80	0.84	3489.30
MW - 8	08/01/05	3506.39	16.99	17.68	0.69	3489.30
MW - 8	08/04/05	3506.39	17.10	17.56	0.46	3489.22
MW - 8	08/12/05	3506.39	17.52	17.73	0.21	3488.84
MW - 8	08/15/05	3506.39	16.97	18.00	1.03	3489.27
MW - 8	08/23/05	3506.39	16.80	17.49	0.69	3489.49
MW - 8	08/30/05	3506.39	16.78	17.48	0.70	3489.51
MW - 8	09/06/05	3506.39	16.70	17.78	1.08	3489.53
MW - 8	09/13/05	3506.39	16.78	17.90	1.12	3489.44
MW - 8	09/15/05	3506.39	16.81	17.42	0.61	3489.49
MW - 8	09/19/05	3506.39	16.77	17.50	0.73	3489.51
MW - 8	09/27/05	3506.39	16.71	17.96	1.25	3489.49
MW - 8	10/03/05	3506.39	16.90	17.43	0.53	3489.41
MW - 8	10/08/05	3506.39	16.69	17.33	0.64	3489.60
MW - 8	10/10/05	3506.39	16.80	17.70	0.90	3489.46
MW - 8	10/17/05	3506.39	16.61	17.75	1.14	3489.61
MW - 8	10/24/05	3506.39	16.69	17.36	0.67	3489.60
MW - 8	10/31/05	3506.39	16.68	17.50	0.82	3489.59
MW - 8	11/15/05	3506.39	16.72	17.51	0.79	3489.55
MW - 8	11/22/05	3506.39	16.67	17.22	0.55	3489.64
MW - 8	11/27/05	3506.39	16.72	17.19	0.47	3489.60
MW - 8	12/07/05	3506.39	16.74	16.98	0.24	3489.61
MW - 8	12/12/05	3506.39	16.70	17.20	0.50	3489.62
MW - 8	12/16/05	3506.39	16.66	17.25	0.59	3489.64
MW - 8	12/22/05	3506.39	16.60	17.35	0.75	3489.68
MW - 8	12/27/05	3506.39	16.63	17.35	0.72	3489.65
MW - 8	01/03/06	3506.39	16.66	17.72	1.06	3489.57
MW - 8	01/09/06	3506.39	16.70	17.20	0.50	3489.62
MW - 8	01/16/06	3506.39	16.64	17.18	0.54	3489.67
MW - 8	01/23/06	3506.39	16.67	17.18	0.51	3489.64
MW - 8	01/30/06	3506.39	16.71	17.20	0.49	3489.61
MW - 8	02/06/06	3506.39	16.63	17.30	0.67	3489.66
MW - 8	02/14/06	3506.39	16.63	17.33	0.70	3489.66
MW - 8	02/21/06	3506.39	16.60	17.40	0.80	3489.67
MW - 8	03/01/06	3506.39	16.61	17.05	0.44	3489.71
MW - 8	03/06/06	3506.39	16.69	17.08	0.39	3489.64
MW - 8	03/16/06	3506.39	16.65	17.01	0.36	3489.69
MW - 8	03/17/06	3506.39	16.64	17.05	0.41	3489.69
MW - 8	03/21/06	3506.39	16.67	17.13	0.46	3489.65
MW - 8	03/28/06	3506.39	16.69	17.10	0.41	3489.64
MW - 8	04/03/06	3506.39	16.61	16.94	0.33	3489.73

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION	
MW - 8	04/10/06	3506.39	16.67	16.88	0.21	3489.69	
MW - 8	04/17/06	3506.39	16.59	16.82	0.23	3489.77	
MW - 8	05/01/06	3506.39	16.57	16.93	0.36	3489.77	
MW - 8	05/08/06	3506.39	16.60	17.04	0.44	3489.72	
MW - 8	05/15/06	3506.39	16.68	17.00	0.32	3489.66	
MW - 8	05/30/06	3506.39	16.77	17.74	0.97	3489.47	
MW - 8	06/05/06	3506.39	16.90	17.77	0.87	3489.36	
MW - 8	06/12/06	3506.39	17.02	17.88	0.86	3489.24	
MW - 8	06/15/06	3506.39	WELL OBSTRUCTED				
MW - 8	06/19/06	3506.39	WELL OBSTRUCTED				
MW - 8	07/03/06	3506.39	WELL OBSTRUCTED				
MW - 8	07/10/06	3506.39	WELL OBSTRUCTED				
MW - 8	07/17/06	3506.39	WELL OBSTRUCTED				
MW - 8	07/26/06	3506.39	WELL OBSTRUCTED				
MW - 8	07/31/06	3506.39	WELL OBSTRUCTED				
MW - 8	08/07/06	3506.39	WELL OBSTRUCTED				
MW - 8	08/17/06	3506.39	WELL OBSTRUCTED				
MW - 8	08/21/06	3506.39	WELL OBSTRUCTED				
MW - 8	09/06/06	3506.39	WELL OBSTRUCTED				
MW - 8	09/11/06	3506.39	WELL OBSTRUCTED				
MW - 8	09/18/06	3506.39	16.66	18.71	2.05	3489.42	
MW - 8	09/25/06	3506.39	16.70	17.69	0.99	3489.54	
MW - 8	10/09/06	3506.39	16.70	18.93	2.23	3489.36	
MW - 8	10/17/06	3506.39	16.67	18.70	2.03	3489.42	
MW - 8	11/30/06	3506.39	16.75	18.10	1.35	3489.44	
MW - 8	12/18/06	3506.39	16.80	18.04	1.24	3489.40	
MW - 8	01/02/07	3506.39	16.78	17.43	0.65	3489.51	
MW - 8	01/11/07	3506.39	16.73	17.26	0.53	3489.58	
MW - 8	01/18/07	3506.39	16.80	17.14	0.34	3489.54	
MW - 8	01/22/07	3506.39	16.74	17.15	0.41	3489.59	
MW - 8	02/12/07	3506.39	16.66	17.07	0.41	3489.67	
MW - 8	02/19/07	3506.39	16.66	17.04	0.38	3489.67	
MW - 8	02/27/07	3506.39	16.71	17.47	0.76	3489.57	
MW - 8	03/05/07	3506.39	16.74	17.29	0.55	3489.57	
MW - 8	03/12/07	3506.39	16.68	17.11	0.43	3489.65	
MW - 8	03/19/07	3506.39	16.66	17.21	0.55	3489.65	
MW - 8	04/02/07	3506.39	16.71	17.14	0.43	3489.62	
MW - 8	04/09/07	3506.39	16.57	16.97	0.40	3489.76	
MW - 8	05/01/07	3506.39	16.56	16.90	0.34	3489.78	
MW - 8	05/12/07	3506.39	16.56	16.88	0.32	3489.78	
MW - 8	05/17/07	3506.39	16.43	16.85	0.42	3489.90	
MW - 8	05/21/07	3506.39	16.42	16.77	0.35	3489.92	
MW - 8	05/22/07	3506.39	16.42	16.77	0.35	3489.92	
MW - 8	06/01/07	3506.39	16.43	16.85	0.42	3489.90	
MW - 8	06/06/07	3506.39	16.43	16.87	0.44	3489.89	
MW - 8	06/11/07	3506.39	16.51	16.96	0.45	3489.81	
MW - 8	06/19/07	3506.39	16.59	17.53	0.94	3489.66	
MW - 8	06/25/07	3506.39	16.66	17.04	0.38	3489.67	
MW - 8	07/03/07	3506.39	16.76	17.29	0.53	3489.55	
MW - 8	07/18/07	3506.39	16.94	17.34	0.40	3489.39	
MW - 8	07/23/07	3506.39	17.00	17.39	0.39	3489.33	
MW - 8	07/31/07	3506.39	17.04	17.51	0.47	3489.28	
MW - 8	08/14/07	3506.39	17.12	17.74	0.62	3489.18	
MW - 8	08/15/07	3506.39	17.12	17.54	0.42	3489.21	

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	08/25/07	3506.39	17.19	17.72	0.53	3489.12
MW - 8	09/05/07	3506.39	17.26	17.88	0.62	3489.04
MW - 8	09/10/07	3506.39	17.19	17.68	0.49	3489.13
MW - 8	09/17/07	3506.39	16.88	17.60	0.72	3489.40
MW - 8	09/24/07	3506.39	16.85	17.31	0.46	3489.47
MW - 8	11/05/07	3506.39	16.90	17.61	0.71	3489.38
MW - 8	11/06/07	3506.39	17.01	17.58	0.57	3489.29
MW - 8	11/12/07	3506.39	16.95	17.41	0.46	3489.37
MW - 8	11/19/07	3506.39	16.93	17.29	0.36	3489.41
MW - 8	11/30/07	3506.39	16.97	17.20	0.23	3489.39
MW - 8	12/03/07	3506.39	16.93	17.22	0.29	3489.42
MW - 8	12/14/07	3506.39	16.90	17.16	0.26	3489.45
MW - 8	12/17/07	3506.39	16.92	17.16	0.24	3489.43
MW - 8	01/09/08	3506.39	16.82	17.36	0.54	3489.49
MW - 8	01/16/08	3506.39	16.88	17.33	0.45	3489.44
MW - 8	01/21/08	3506.39	16.89	17.56	0.67	3489.40
MW - 8	01/30/08	3506.39	16.81	17.15	0.34	3489.53
MW - 8	02/08/08	3506.39	16.84	17.27	0.43	3489.49
MW - 8	02/12/08	3506.39	16.84	17.23	0.39	3489.49
MW - 8	02/14/08	3506.39	16.84	17.16	0.32	3489.50
MW - 8	02/20/08	3506.39	16.80	17.12	0.32	3489.54
MW - 8	02/28/08	3506.39	16.81	17.15	0.34	3489.53
MW - 8	03/05/08	3506.39	16.81	17.24	0.43	3489.52
MW - 8	03/13/08	3506.39	16.79	17.14	0.35	3489.55
MW - 8	03/19/08	3506.39	16.83	17.15	0.32	3489.51
MW - 8	03/24/08	3506.39	16.78	17.17	0.39	3489.55
MW - 8	04/02/08	3506.39	16.79	17.16	0.37	3489.54
MW - 8	04/07/08	3506.39	16.76	17.12	0.36	3489.58
MW - 8	04/14/08	3506.39	16.82	17.16	0.34	3489.52
MW - 8	04/23/08	3506.39	16.76	17.11	0.35	3489.58
MW - 8	05/07/08	3506.39	16.78	17.09	0.31	3489.56
MW - 8	05/13/08	3506.39	16.78	17.09	0.31	3489.56
MW - 8	05/14/08	3506.39	16.76	17.13	0.37	3489.57
MW - 8	05/19/08	3506.39	16.80	17.14	0.34	3489.54
MW - 8	06/09/08	3506.39	17.04	17.57	0.53	3489.27
MW - 8	06/16/08	3506.39	16.79	17.12	0.33	3489.55
MW - 8	06/23/08	3506.39	17.25	17.67	0.42	3489.08
MW - 8	06/30/08	3506.39	17.32	17.78	0.46	3489.00
MW - 8	07/14/08	3506.39	17.35	17.76	0.41	3488.98
MW - 8	07/22/08	3506.39	17.40	17.80	0.40	3488.93
MW - 8	07/29/08	3506.39	17.43	17.92	0.49	3488.89
MW - 8	08/04/08	3506.39	17.45	18.08	0.63	3488.85
MW - 8	08/11/08	3506.39	17.50	18.06	0.56	3488.81
MW - 8	08/14/08	3506.39	17.55	18.03	0.48	3488.77
MW - 8	08/18/08	3506.39	17.51	17.96	0.45	3488.81
MW - 8	08/28/08	3506.39	17.43	17.91	0.48	3488.89
MW - 8	09/02/08	3506.39	17.28	17.74	0.46	3489.04
MW - 8	09/17/08	3506.39	17.15	18.00	0.85	3489.11
MW - 8	09/29/08	3506.39	17.19	17.71	0.52	3489.12
MW - 8	10/06/08	3506.39	17.17	17.69	0.52	3489.14
MW - 8	10/13/08	3506.39	17.24	17.65	0.41	3489.09
MW - 8	10/20/08	3506.39	17.11	17.34	0.23	3489.25
MW - 8	10/29/08	3506.39	17.07	17.41	0.34	3489.27
MW - 8	10/30/08	3506.39	17.10	17.38	0.28	3489.25

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	11/06/08	3506.39	17.10	17.40	0.30	3489.25
MW - 8	11/12/08	3506.39	17.07	17.35	0.28	3489.28
MW - 8	11/13/08	3506.39	17.07	17.35	0.28	3489.28
MW - 8	12/16/08	3506.39	17.02	17.42	0.40	3489.31
MW - 8	12/19/08	3506.39	17.10	17.48	0.38	3489.23
MW - 8	12/22/08	3506.39	16.99	17.41	0.42	3489.34
MW - 8	01/06/09	3506.39	16.99	17.41	0.42	3489.34
MW - 8	01/12/09	3506.39	16.99	17.31	0.32	3489.35
MW - 8	01/19/09	3506.39	17.01	17.39	0.38	3489.32
MW - 8	01/22/09	3506.39	17.01	17.26	0.25	3489.34
MW - 8	01/26/09	3506.39	16.99	17.28	0.29	3489.36
MW - 8	02/10/09	3506.39	16.97	17.28	0.31	3489.37
MW - 8	02/13/09	3506.39	17.02	17.55	0.53	3489.29
MW - 8	02/16/09	3506.39	16.97	17.06	0.09	3489.41
MW - 8	02/24/09	3506.39	17.01	17.10	0.09	3489.37
MW - 8	03/02/09	3506.39	17.04	17.13	0.09	3489.34
MW - 8	03/05/09	3506.39	16.94	17.30	0.36	3489.40
MW - 8	03/09/09	3506.39	16.93	17.21	0.28	3489.42
MW - 8	03/16/09	3506.39	16.98	17.28	0.30	3489.37
MW - 8	03/19/09	3506.39	17.07	17.17	0.10	3489.31
MW - 8	03/25/09	3506.39	17.10	17.17	0.07	3489.28
MW - 8	03/30/09	3506.39	17.11	17.19	0.08	3489.27
MW - 8	04/13/09	3506.39	16.89	17.30	0.41	3489.44
MW - 8	04/16/09	3506.39	17.13	17.20	0.07	3489.25
MW - 8	04/21/09	3506.39	17.15	17.20	0.05	3489.23
MW - 8	04/27/09	3506.39	16.94	17.11	0.17	3489.42
MW - 8	04/30/09	3506.39	17.21	17.63	0.42	3489.12
MW - 8	05/06/09	3506.39	17.17	17.20	0.03	3489.22
MW - 8	05/12/09	3506.39	16.92	17.10	0.18	3489.44
MW - 8	05/19/09	3506.39	16.98	17.29	0.31	3489.36
MW - 8	05/26/09	3506.39	17.03	17.40	0.37	3489.30
MW - 8	06/01/09	3506.39	17.09	17.44	0.35	3489.25
MW - 8	06/05/09	3506.39	17.11	17.42	0.31	3489.23
MW - 8	06/12/09	3506.39	17.16	17.47	0.31	3489.18
MW - 8	06/15/09	3506.39	17.18	17.41	0.23	3489.18
MW - 8	06/22/09	3506.39	17.26	17.51	0.25	3489.09
MW - 8	06/24/09	3506.39	17.27	17.50	0.23	3489.09
MW - 8	06/29/09	3506.39	17.31	17.50	0.19	3489.05
MW - 8	07/06/09	3506.39	17.40	17.69	0.29	3488.95
MW - 8	07/09/09	3506.39	17.00	17.29	0.29	3489.35
MW - 8	07/13/09	3506.39	17.01	17.28	0.27	3489.34
MW - 8	07/20/09	3506.39	17.02	17.29	0.27	3489.33
MW - 8	07/23/09	3506.39	17.67	17.88	0.21	3488.69
MW - 8	07/27/09	3506.39	17.68	17.89	0.21	3488.68
MW - 8	07/29/09	3506.39	17.46	17.89	0.43	3488.87
MW - 8	08/03/09	3506.39	17.41	17.80	0.39	3488.92
MW - 8	08/10/09	3506.39	17.53	18.13	0.60	3488.77
MW - 8	08/10/09	3506.39	17.53	18.13	0.60	3488.77
MW - 8	08/18/09	3506.39	17.55	18.07	0.52	3488.76
MW - 8	08/24/09	3506.39	17.60	18.15	0.55	3488.71
MW - 8	08/28/09	3506.39	17.61	18.01	0.40	3488.72
MW - 8	08/31/09	3506.39	17.71	17.86	0.15	3488.66
MW - 8	09/02/09	3506.39	17.67	17.87	0.20	3488.69
MW - 8	09/08/09	3506.39	17.74	18.12	0.38	3488.59

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	09/10/09	3506.39	17.69	18.02	0.33	3488.65
MW - 8	09/16/09	3506.39	17.69	18.17	0.48	3488.63
MW - 8	09/18/09	3506.39	17.71	18.38	0.67	3488.58
MW - 8	09/22/09	3506.39	17.71	18.31	0.60	3488.59
MW - 8	09/28/09	3506.39	17.62	18.01	0.39	3488.71
MW - 8	10/09/09	3506.39	17.76	18.65	0.89	3488.50
MW - 8	10/12/09	3506.39	17.08	17.30	0.22	3489.28
MW - 8	10/15/09	3506.39	17.84	18.39	0.55	3488.47
MW - 8	10/20/09	3506.39	17.80	18.32	0.52	3488.51
MW - 8	10/28/09	3506.39	17.79	18.26	0.47	3488.53
MW - 8	11/03/09	3506.39	17.76	18.33	0.57	3488.54
MW - 8	11/12/09	3506.39	17.70	18.20	0.50	3488.62
MW - 8	11/18/09	3506.39	17.77	18.20	0.43	3488.56
MW - 8	12/11/09	3506.39	17.20	18.38	1.18	3489.01
MW - 8	12/16/09	3506.39	17.70	18.36	0.66	3488.59
MW - 8	12/21/09	3506.39	17.69	18.32	0.63	3488.61
MW - 8	12/28/09	3506.39	17.69	18.18	0.49	3488.63
MW - 8	01/04/10	3506.39	17.73	18.30	0.57	3488.57
MW - 8	01/14/10	3506.39	17.69	18.17	0.48	3488.63
MW - 8	01/20/10	3506.39	17.64	18.05	0.41	3488.69
MW - 8	01/25/10	3506.39	17.74	18.16	0.42	3488.59
MW - 8	01/27/10	3506.39	17.64	18.07	0.43	3488.69
MW - 8	02/01/10	3506.39	17.60	17.91	0.31	3488.74
MW - 8	02/08/10	3506.39	17.55	17.81	0.26	3488.80
MW - 8	02/08/10	3506.39	sheen	18.04	0.00	3488.35
MW - 8	02/09/10	3506.39	17.65	17.83	0.18	3488.71
MW - 8	02/19/10	3506.39	17.83	17.94	0.11	3488.54
MW - 8	02/26/10	3506.39	17.56	17.82	0.26	3488.79
MW - 8	03/01/10	3506.39	17.75	18.14	0.39	3488.58
MW - 8	03/04/10	3506.39	17.52	17.79	0.27	3488.83
MW - 8	03/08/10	3506.39	17.47	17.64	0.17	3488.89
MW - 8	03/11/10	3506.39	17.43	17.60	0.17	3488.93
MW - 8	03/15/10	3506.39	17.50	17.71	0.21	3488.86
MW - 8	03/17/10	3506.39	17.41	17.52	0.11	3488.96
MW - 8	03/22/10	3506.39	17.35	17.46	0.11	3489.02
MW - 8	03/29/10	3506.39	17.34	17.50	0.16	3489.03
MW - 8	04/05/10	3506.39	17.38	17.58	0.20	3488.98
MW - 8	04/14/10	3506.39	17.44	17.65	0.21	3488.92
MW - 8	04/16/10	3506.39	17.32	17.41	0.09	3489.06
MW - 8	04/19/10	3506.39	17.34	17.47	0.13	3489.03
MW - 8	04/28/10	3506.39	17.28	17.49	0.21	3489.08
MW - 8	05/05/10	3506.39	17.21	17.36	0.15	3489.16
MW - 8	05/12/10	3506.39	17.30	17.48	0.18	3489.06
MW - 8	05/14/10	3506.39	17.30	17.48	0.18	3489.06
MW - 8	05/21/10	3506.39	17.30	17.45	0.15	3489.07
MW - 8	05/26/10	3506.39	17.23	17.50	0.27	3489.12
MW - 8	06/04/10	3506.39	17.32	17.43	0.11	3489.05
MW - 8	06/07/10	3506.39	17.34	17.72	0.38	3488.99
MW - 8	06/12/10	3506.39	17.39	17.78	0.39	3488.94
MW - 8	06/24/10	3506.39	17.49	17.91	0.42	3488.84
MW - 8	06/30/10	3506.39	17.65	17.99	0.34	3488.69
MW - 8	07/07/10	3506.39	17.08	17.43	0.35	3489.26
MW - 8	07/12/10	3506.39	16.91	17.17	0.26	3489.44
MW - 8	07/19/10	3506.39	16.88	17.20	0.32	3489.46



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	08/03/10	3506.39	17.12	17.13	0.01	3489.27
MW - 8	08/11/10	3506.39	16.90	17.18	0.28	3489.45
MW - 8	08/19/10	3506.39	16.89	17.21	0.32	3489.45
MW - 8	08/25/10	3506.39	16.97	17.32	0.35	3489.37
MW - 8	09/01/10	3506.39	16.95	17.24	0.29	3489.40
MW - 8	09/09/10	3506.39	17.03	17.55	0.52	3489.28
MW - 8	09/13/10	3506.39	16.92	17.15	0.23	3489.44
MW - 8	09/29/10	3506.39	17.09	17.67	0.58	3489.21
MW - 8	10/05/10	3506.39	16.91	17.17	0.26	3489.44
MW - 8	10/20/10	3506.39	17.22	17.95	0.73	3489.06
MW - 8	10/25/10	3506.39	17.24	17.96	0.72	3489.04
MW - 8	11/03/10	3506.39	16.91	17.16	0.25	3489.44
MW - 8	11/10/10	3506.39	17.27	17.91	0.64	3489.02
MW - 8	11/12/10	3506.39	17.27	17.91	0.64	3489.02
MW - 8	12/09/10	3506.39	16.91	17.17	0.26	3489.44
MW - 8	01/18/11	3506.39	17.27	17.91	0.64	3489.02
MW - 8	02/16/11	3506.39	17.29	17.95	0.66	3489.00
MW - 8	03/01/11	3506.39	17.08	17.91	0.83	3489.19
MW - 8	03/07/11	3506.39	17.05	17.72	0.67	3489.24
MW - 8	03/22/11	3506.39	17.26	17.93	0.67	3489.03
MW - 8	04/27/11	3506.39	17.15	17.62	0.47	3489.17
MW - 8	05/05/11	3506.39	17.22	17.62	0.40	3489.11
MW - 8	05/10/11	3506.39	17.31	17.61	0.30	3489.04
MW - 8	05/17/11	3506.39	17.20	17.63	0.43	3489.13
MW - 8	05/19/11	3506.39	17.20	17.63	0.43	3489.13
MW - 8	05/24/11	3506.39	17.34	17.75	0.41	3488.99
MW - 8	06/07/11	3506.39	17.43	17.88	0.45	3488.89
MW - 8	06/08/11	3506.39	17.45	17.92	0.47	3488.87
MW - 8	06/14/11	3506.39	17.70	18.25	0.55	3488.61
MW - 8	06/23/11	3506.39	17.81	18.32	0.51	3488.50
MW - 8	06/28/11	3506.39	17.56	18.09	0.53	3488.75
MW - 8	07/06/11	3506.39	17.66	18.17	0.51	3488.65
MW - 8	07/14/11	3506.39	17.49	18.29	0.80	3488.78
MW - 8	07/20/11	3506.39	17.75	18.11	0.36	3488.59
MW - 8	07/27/11	3506.39	17.78	18.16	0.38	3488.55
MW - 8	08/03/11	3506.39	17.80	18.08	0.28	3488.55
MW - 8	08/10/11	3506.39	17.82	18.14	0.32	3488.52
MW - 8	08/18/11	3506.39	17.84	18.20	0.36	3488.50
MW - 8	08/25/11	3506.39	17.88	18.30	0.42	3488.45
MW - 8	09/07/11	3506.39	17.91	18.50	0.59	3488.39
MW - 8	09/14/11	3506.39	18.09	18.73	0.64	3488.20
MW - 8	11/14/11	3506.39	17.86	18.40	0.54	3488.45
MW - 8	12/01/11	3506.39	17.83	18.54	0.71	3488.45
MW - 8	12/08/11	3506.39	17.80	18.24	0.44	3488.52
MW - 8	12/14/11	3506.39	17.92	18.35	0.43	3488.41
MW - 8	01/12/12	3506.39	17.78	18.24	0.46	3488.54
MW - 8	01/19/12	3506.39	17.71	18.13	0.42	3488.62
MW - 8	02/03/12	3506.39	17.68	18.19	0.51	3488.63
MW - 8	02/29/12	3506.39	17.58	18.20	0.62	3488.72
MW - 8	03/14/12	3506.39	17.54	18.09	0.55	3488.77
MW - 8	03/19/12	3506.39	17.53	17.99	0.46	3488.79
MW - 8	03/29/12	3506.39	17.48	18.01	0.53	3488.83
MW - 8	04/05/12	3506.39	17.46	18.02	0.56	3488.85
MW - 8	04/18/12	3506.39	17.43	18.00	0.57	3488.87

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	04/27/12	3506.39	17.46	18.02	0.56	3488.85
MW - 8	05/02/12	3506.39	17.58	18.31	0.73	3488.70
MW - 8	05/31/12	3506.39	17.49	18.17	0.68	3488.80
MW - 8	06/08/12	3506.39	17.52	18.19	0.67	3488.77
MW - 8	06/12/12	3506.39	17.55	18.13	0.58	3488.75
MW - 8	06/21/12	3506.39	17.49	18.01	0.52	3488.82
MW - 8	06/29/12	3506.39	17.58	18.06	0.48	3488.74
MW - 8	07/13/12	3506.39	17.78	18.33	0.55	3488.53
MW - 8	12/06/12	3506.39	19.85	20.76	0.91	3486.40
MW - 8	12/11/12	3506.39	19.85	20.77	0.92	3486.40
MW - 8	12/18/12	3506.39	19.83	20.69	0.86	3486.43
MW - 8	01/09/13	3506.39	19.80	20.63	0.83	3486.47
MW - 8	01/15/13	3506.39	19.79	20.56	0.77	3486.48
MW - 8	01/23/13	3506.39	19.80	20.61	0.81	3486.47
MW - 8	01/29/13	3506.39	19.77	20.56	0.79	3486.50
MW - 8	02/07/13	3506.39	19.74	20.56	0.82	3486.53
MW - 8	02/13/13	3506.39	19.75	20.46	0.71	3486.53
MW - 8	02/20/13	3506.39	19.64	20.64	1.00	3486.60
MW - 8	03/15/13	3506.39	19.73	20.74	1.01	3486.51
MW - 8	03/19/13	3506.39	19.72	20.56	0.84	3486.54
MW - 8	04/02/13	3506.39	19.70	20.55	0.85	3486.56
MW - 8	04/09/13	3506.39	19.66	20.23	0.57	3486.64
MW - 8	04/16/13	3506.39	19.65	20.29	0.64	3486.64
MW - 8	04/23/13	3506.39	19.66	20.32	0.66	3486.63
MW - 8	04/30/13	3506.39	19.65	20.36	0.71	3486.63
MW - 8	05/08/13	3506.39	19.63	20.20	0.57	3486.67
MW - 8	05/14/13	3506.39	19.61	20.07	0.46	3486.71
MW - 8	05/22/13	3506.39	19.59	20.21	0.62	3486.71
MW - 8	05/28/13	3506.39	19.62	20.05	0.43	3486.71
MW - 8	06/04/13	3506.39	19.63	20.06	0.43	3486.70
MW - 8	06/11/13	3506.39	19.68	20.30	0.62	3486.62
MW - 8	06/19/13	3506.39	19.75	20.16	0.41	3486.58
MW - 8	06/28/13	3506.39	19.90	20.52	0.62	3486.40
MW - 8	07/01/13	3506.39	19.92	20.31	0.39	3486.41
MW - 8	07/08/13	3506.39	20.06	20.25	0.19	3486.30
MW - 8	07/23/13	3506.39	20.02	20.50	0.48	3486.30
MW - 8	07/30/13	3506.39	19.98	20.50	0.52	3486.33
MW - 8	08/05/13	3506.39	19.93	20.50	0.57	3486.37
MW - 8	08/12/13	3506.39	19.95	20.56	0.61	3486.35
MW - 8	08/22/13	3506.39	20.10	20.89	0.79	3486.17
MW - 8	08/29/13	3506.39	20.08	20.79	0.71	3486.20
MW - 8	09/05/13	3506.39	20.10	20.85	0.75	3486.18
MW - 8	09/10/13	3506.39	20.15	20.91	0.76	3486.13
MW - 8	09/17/13	3506.39	20.18	20.93	0.75	3486.10
MW - 8	09/24/13	3506.39	20.18	20.93	0.75	3486.10
MW - 8	10/07/13	3506.39	20.25	20.98	0.73	3486.03
MW - 8	11/14/13	-	21.99	22.90	0.91	-
MW - 8	11/21/13	-	22.52	22.97	0.45	-
MW - 8	12/12/13	-	22.37	22.98	0.61	-
MW - 8	12/19/13	-	22.28	23.02	0.74	-
MW - 8	01/03/14	-	22.30	22.98	0.68	-
MW - 8	01/09/14	-	22.32	23.05	0.73	-
MW - 8	01/13/14	-	22.32	23.06	0.74	-
MW - 8	01/21/14	-	22.28	23.02	0.74	-

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	01/24/14	-	22.31	23.10	0.79	-
MW - 8	02/04/14	3511.82	22.25	23.04	0.79	3489.45
MW - 8	02/10/14	3511.82	23.11	23.25	0.14	3488.69
MW - 8	02/27/14	3511.82	22.18	23.01	0.83	3489.52
MW - 8	03/17/14	3511.82	22.13	23.01	0.88	3489.56
MW - 8	03/27/14	3511.82	22.13	23.09	0.96	3489.55
MW - 8	04/02/14	3511.82	22.13	23.00	0.87	3489.56
MW - 8	04/16/14	3511.82	22.09	23.10	1.01	3489.58
MW - 8	04/22/14	3511.82	22.08	23.01	0.93	3489.60
MW - 8	04/28/14	3511.82	22.09	22.87	0.78	3489.61
MW - 8	05/06/14	3511.82	22.05	23.07	1.02	3489.62
MW - 8	05/13/14	3511.82	22.14	23.20	1.06	3489.52
MW - 8	05/14/14	3511.82	22.14	23.10	0.96	3489.54
MW - 8	05/21/14	3511.82	22.06	23.13	1.07	3489.60
MW - 8	06/05/14	3511.82	22.17	23.31	1.14	3489.48
MW - 8	06/11/14	3511.82	22.24	23.31	1.07	3489.42
MW - 8	06/16/14	3511.82	22.31	23.40	1.09	3489.35
MW - 8	06/24/14	3511.82	22.42	23.49	1.07	3489.24
MW - 8	07/01/14	3511.82	22.48	23.65	1.17	3489.16
MW - 8	07/08/14	3511.82	22.90	23.43	0.53	3488.84
MW - 8	07/15/14	3511.82	22.59	23.78	1.19	3489.05
MW - 8	07/22/14	3511.82	22.65	23.68	1.03	3489.02
MW - 8	07/23/14	3511.82	22.65	23.68	1.03	3489.02
MW - 8	07/31/14	3511.82	22.69	23.65	0.96	3488.99
MW - 8	08/05/14	3511.82	22.74	23.55	0.81	3488.96
MW - 8	08/07/14	3511.82	22.74	23.69	0.95	3488.94
MW - 8	08/15/14	3511.82	22.78	23.80	1.02	3488.89
MW - 8	08/20/14	3511.82	22.76	23.79	1.03	3488.91
MW - 8	08/27/14	3511.82	22.79	24.91	2.12	3488.71
MW - 8	09/24/14	3511.82	22.13	23.46	1.33	3489.49
MW - 8	10/01/14	3511.82	21.79	22.39	0.60	3489.94
MW - 8	10/07/14	3511.82	21.72	22.11	0.39	3490.04
MW - 8	10/14/14	3511.82	21.69	22.06	0.37	3490.07
MW - 8	10/20/14	3511.82	21.65	22.10	0.45	3490.10
MW - 8	10/27/14	3511.82	21.63	22.10	0.47	3490.12
MW - 8	11/03/14	3511.82	21.66	22.09	0.43	3490.10
MW - 8	11/11/14	3511.82	21.62	22.19	0.57	3490.11
MW - 8	11/19/14	3511.82	21.59	22.55	0.96	3490.09
MW - 8	12/08/14	3511.82	21.61	22.51	0.90	3490.08
MW - 8	12/15/14	3511.82	21.64	22.56	0.92	3490.04
MW - 8	12/18/14	3511.82	21.56	22.25	0.69	3490.16
MW - 8	12/22/14	3511.82	21.56	22.25	0.69	3490.16
MW - 8	12/29/14	3511.82	21.60	22.33	0.73	3490.11
MW - 8	01/05/15	3511.82	21.62	22.36	0.74	3490.09
MW - 8	01/12/15	3511.82	21.63	22.42	0.79	3490.07
MW - 8	01/19/15	3511.82	21.60	22.35	0.75	3490.11
MW - 8	02/04/15	3511.82	21.58	22.39	0.81	3490.12
MW - 8	02/09/15	3511.82	21.59	22.44	0.85	3490.10
MW - 8	02/19/15	3511.82	21.59	22.39	0.80	3490.11
MW - 8	03/03/15	3511.82	21.58	22.23	0.65	3490.14
MW - 8	03/09/15	3511.82	21.59	22.25	0.66	3490.13
MW - 8	03/16/15	3511.82	21.59	22.24	0.65	3490.13
MW - 8	03/20/15	3511.82	21.61	22.34	0.73	3490.10
MW - 8	03/23/15	3511.82	21.55	22.23	0.68	3490.17

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	03/30/15	3511.82	21.56	22.29	0.73	3490.15
MW - 8	04/04/15	3511.82	21.58	22.33	0.75	3490.13
MW - 8	04/07/15	3511.82	21.56	22.30	0.74	3490.15
MW - 8	04/14/15	3511.82	21.50	22.30	0.80	3490.20
MW - 8	04/20/15	3511.82	21.51	22.24	0.73	3490.20
MW - 8	04/27/15	3511.82	21.53	22.28	0.75	3490.18
MW - 8	05/07/15	3511.82	21.48	22.23	0.75	3490.23
MW - 8	05/11/15	3511.82	21.50	22.25	0.75	3490.21
MW - 8	05/21/15	3511.82	21.47	22.10	0.63	3490.26
MW - 8	05/27/15	3511.82	21.44	22.19	0.75	3490.27
MW - 8	05/28/15	3511.82	21.43	22.10	0.67	3490.29
MW - 8	06/03/15	3511.82	21.43	22.16	0.73	3490.28
MW - 8	06/08/15	3511.82	21.43	22.18	0.75	3490.28
MW - 8	06/15/15	3511.82	21.44	22.20	0.76	3490.27
MW - 8	06/25/15	3511.82	21.34	22.21	0.87	3490.35
MW - 8	06/29/15	3511.82	21.39	22.17	0.78	3490.31
MW - 8	07/08/15	3511.82	21.43	22.26	0.83	3490.27
MW - 8	07/09/15	3511.82	21.42	22.25	0.83	3490.28
MW - 8	07/14/15	3511.82	21.47	22.35	0.88	3490.22
MW - 8	07/20/15	3511.82	22.53	23.42	0.89	3489.16
MW - 8	07/28/15	3511.82	21.62	22.53	0.91	3490.06
MW - 8	08/03/15	3511.82	21.68	22.58	0.90	3490.01
MW - 8	08/04/15	3511.82	21.70	22.61	0.91	3489.98
MW - 8	08/10/15	3511.82	21.75	22.66	0.91	3489.93
MW - 8	08/17/15	3511.82	21.83	22.28	0.45	3489.92
MW - 8	08/25/15	3511.82	21.87	22.38	0.51	3489.87
MW - 8	08/31/15	3511.82	21.89	22.44	0.55	3489.85
MW - 8	09/08/15	3511.82	21.86	22.46	0.60	3489.87
MW - 8	09/15/15	3511.82	21.86	22.47	0.61	3489.87
MW - 8	09/24/15	3511.82	22.00	22.42	0.42	3489.76
MW - 8	09/28/15	3511.82	21.98	22.45	0.47	3489.77
MW - 8	10/06/15	3511.82	21.99	22.49	0.50	3489.76
MW - 8	10/12/15	3511.82	21.92	22.43	0.51	3489.82
MW - 8	10/26/15	3511.82	21.79	22.19	0.40	3489.97
MW - 8	11/06/15	3511.82	21.68	22.13	0.45	3490.07
MW - 8	11/10/15	3511.82	21.64	22.08	0.44	3490.11
MW - 8	11/18/15	3511.82	21.62	22.17	0.55	3490.12
MW - 8	12/02/15	3511.82	21.60	22.17	0.57	3490.13
MW - 8	12/07/15	3511.82	21.56	22.13	0.57	3490.17
MW - 8	12/14/15	3511.82	21.53	22.11	0.58	3490.20
MW - 8	01/05/16	3511.82	21.48	22.14	0.66	3490.24
MW - 8	01/08/16	3511.82	21.50	22.18	0.68	3490.22
MW - 8	01/12/16	3511.82	21.51	22.22	0.71	3490.20
MW - 8	01/18/16	3511.82	21.53	21.95	0.42	3490.23
MW - 8	01/25/16	3511.82	21.49	21.95	0.46	3490.26
MW - 8	02/01/16	3511.82	21.45	21.94	0.49	3490.30
MW - 8	02/08/16	3511.82	21.48	22.03	0.55	3490.26
MW - 8	02/19/16	3511.82	21.42	22.03	0.61	3490.31
MW - 8	02/23/16	3511.82	21.39	22.01	0.62	3490.34
MW - 8	03/03/16	3511.82	21.43	22.10	0.67	3490.29
MW - 8	03/07/16	3511.82	21.37	22.03	0.66	3490.35
MW - 8	03/15/16	3511.82	21.36	22.04	0.68	3490.36
MW - 8	03/21/16	3511.82	21.35	22.03	0.68	3490.37
MW - 8	03/28/16	3511.82	21.34	22.04	0.70	3490.38

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	04/05/16	3511.82	21.30	22.03	0.73	3490.41
MW - 8	04/08/16	3511.82	21.34	22.10	0.76	3490.37
MW - 8	04/12/16	3511.82	21.33	22.01	0.68	3490.39
MW - 8	04/18/16	3511.82	21.36	22.14	0.78	3490.34
MW - 8	04/25/16	3511.82	21.26	22.01	0.75	3490.45
MW - 8	05/02/16	3511.82	21.27	22.04	0.77	3490.43
MW - 8	05/23/16	3511.82	21.24	22.09	0.85	3490.45
MW - 8	06/01/16	3511.82	21.30	22.23	0.93	3490.38
MW - 8	06/06/16	3511.82	21.33	22.30	0.97	3490.34
MW - 8	06/09/16	3511.82	21.33	22.30	0.97	3490.34
MW - 8	06/28/16	3511.82	21.54	22.53	0.99	3490.13
MW - 8	07/12/16	3511.82	21.72	22.73	1.01	3489.95
MW - 8	07/19/16	3511.82	21.80	22.80	1.00	3489.87
MW - 8	07/27/16	3511.82	21.90	22.89	0.99	3489.77
MW - 8	08/03/16	3511.82	21.92	22.85	0.93	3489.76
MW - 8	08/04/16	3511.82	21.94	22.87	0.93	3489.74
MW - 8	08/08/16	3511.82	21.95	22.90	0.95	3489.73
MW - 8	08/16/16	3511.82	21.99	22.93	0.94	3489.69
MW - 8	08/23/16	3511.82	22.02	22.95	0.93	3489.66
MW - 8	08/31/16	3511.82	21.79	22.70	0.91	3489.89
MW - 8	09/14/16	3511.82	21.14	22.08	0.94	3490.54
MW - 8	09/22/16	3511.82	20.96	21.88	0.92	3490.72
MW - 8	09/27/16	3511.82	20.87	21.78	0.91	3490.81
MW - 8	10/07/16	3511.82	20.84	21.71	0.87	3490.85
MW - 8	10/21/16	3511.82	20.81	21.91	1.10	3490.85
MW - 8	10/28/16	3511.82	20.82	21.95	1.13	3490.83
MW - 8	11/04/16	3511.82	20.85	22.05	1.20	3490.79
MW - 8	11/09/16	3511.82	20.88	22.10	1.22	3490.76
MW - 8	12/06/16	3511.82	20.22	22.14	1.92	3491.31
MW - 8	12/14/16	3511.82	20.89	22.19	1.30	3490.74
MW - 8	12/15/16	3511.82	20.94	21.97	1.03	3490.73
MW - 8	12/22/16	3511.82	21.04	21.40	0.36	3490.73
MW - 8	12/29/16	3511.82	21.04	21.49	0.45	3490.71
MW - 8	01/05/17	3511.82	20.96	21.31	0.35	3490.81
MW - 8	01/11/17	3511.82	20.98	21.37	0.39	3490.78
MW - 8	01/18/17	3511.82	20.90	21.25	0.35	3490.87
MW - 8	01/26/17	3511.82	21.05	21.23	0.18	3490.74
MW - 8	01/31/17	3511.82	20.99	21.03	0.04	3490.82
MW - 8	02/17/17	3511.82	20.97	21.02	0.05	3490.84
MW - 8	02/24/17	3511.82	21.04	21.15	0.11	3490.76
MW - 8	03/01/17	3511.82	21.09	21.19	0.10	3490.72
MW - 8	03/09/17	3511.82	20.98	21.33	0.35	3490.79
MW - 8	03/15/17	3511.82	20.99	21.05	0.06	3490.82
MW - 8	03/22/17	3511.82	21.01	21.15	0.14	3490.79
MW - 8	04/07/17	3511.82	20.99	21.15	0.16	3490.81
MW - 8	04/11/17	3511.82	20.97	21.01	0.04	3490.84
MW - 8	04/20/17	3511.82	20.96	21.02	0.06	3490.85
MW - 8	05/02/17	3511.82	20.94	21.01	0.07	3490.87
MW - 8	05/12/17	3511.82	20.98	21.02	0.04	3490.83
MW - 8	05/16/17	3511.82	20.98	21.13	0.15	3490.82
MW - 8	05/24/17	3511.82	21.01	21.11	0.10	3490.80
MW - 8	06/02/17	3511.82	21.07	21.20	0.13	3490.73
MW - 8	06/05/17	3511.82	21.10	21.65	0.55	3490.64
MW - 8	06/15/17	3511.82	21.21	21.32	0.11	3490.59

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	06/28/17	3511.82	21.33	21.57	0.24	3490.45
MW - 8	07/05/17	3511.82	21.43	21.60	0.17	3490.36
MW - 8	07/11/17	3511.82	21.37	21.60	0.23	3490.42
MW - 8	07/17/17	3511.82	21.50	21.69	0.19	3490.29
MW - 8	07/20/17	3511.82	21.54	21.74	0.20	3490.25
MW - 8	08/11/17	3511.82	21.60	21.84	0.24	3490.18
MW - 8	08/17/17	3511.82	21.48	21.67	0.19	3490.31
MW - 8	09/05/17	3511.82	21.32	21.45	0.13	3490.48
MW - 8	09/13/17	3511.82	21.32	21.47	0.15	3490.48
MW - 8	09/19/17	3511.82	21.31	21.46	0.15	3490.49
MW - 8	09/29/17	3511.82	21.36	21.53	0.17	3490.43
MW - 8	10/05/17	3511.82	21.39	21.57	0.18	3490.40
MW - 8	10/12/17	3511.82	21.22	21.33	0.11	3490.58
MW - 8	10/20/17	3511.82	21.20	21.35	0.15	3490.60
MW - 8	10/24/17	3511.82	21.22	21.37	0.15	3490.58
MW - 8	11/02/17	3511.82	21.18	21.32	0.14	3490.62
MW - 8	11/14/17	3511.82	21.08	21.31	0.23	3490.71
MW - 8	11/21/17	3511.82	21.19	21.36	0.17	3490.60
MW - 8	12/08/17	3511.82	21.11	21.22	0.11	3490.69
MW - 8	12/14/17	3511.82	21.13	21.23	0.10	3490.68
MW - 8	12/20/17	3511.82	21.08	21.18	0.10	3490.73
MW - 8	12/28/17	3511.82	21.08	21.15	0.07	3490.73
MW - 8	01/03/18	3511.82	21.10	21.17	0.07	3490.71
MW - 8	01/09/18	3511.82	21.06	21.14	0.08	3490.75
MW - 8	01/19/18	3511.82	21.03	21.11	0.08	3490.78
MW - 8	01/24/18	3511.82	21.09	21.19	0.10	3490.72
MW - 8	02/02/18	3511.82	21.07	21.14	0.07	3490.74
MW - 8	02/08/18	3511.82	-	21.09	0.00	3490.73
MW - 8	02/12/18	3511.82	-	21.17	0.00	3490.65
MW - 8	02/22/18	3511.82	-	21.06	0.00	3490.76
MW - 8	03/02/18	3511.82	-	21.05	0.00	3490.77
MW - 8	03/07/18	3511.82	-	21.04	0.00	3490.78
MW - 8	03/15/18	3511.82	-	21.05	0.00	3490.77
MW - 8	03/19/18	3511.82	-	21.09	0.00	3490.73
MW - 8	03/29/18	3511.82	-	21.02	0.00	3490.80
MW - 8	04/02/18	3511.82	-	20.99	0.00	3490.83
MW - 8	04/11/18	3511.82	-	20.98	0.00	3490.84
MW - 8	04/16/18	3511.82	-	21.04	0.00	3490.78
MW - 8	04/25/18	3511.82	-	21.02	0.00	3490.80
MW - 8	05/01/18	3511.82	-	20.99	0.00	3490.83
MW - 8	05/08/18	3511.82	-	21.01	0.00	3490.81
MW - 8	05/22/18	3511.82	-	21.19	0.00	3490.63
MW - 8	05/31/18	3511.82	-	21.31	0.00	3490.51
MW - 8	06/06/18	3511.82	-	21.38	0.00	3490.44
MW - 8	06/13/18	3511.82	-	21.43	0.00	3490.39
MW - 8	06/18/18	3511.82	-	21.47	0.00	3490.35
MW - 8	06/25/18	3511.82	-	21.53	0.00	3490.29
MW - 8	07/02/18	3511.82	-	21.57	0.00	3490.25
MW - 8	07/11/18	3511.82	-	21.74	0.00	3490.08
MW - 8	07/19/18	3511.82	-	21.68	0.00	3490.14
MW - 8	07/27/18	3511.82	-	21.79	0.00	3490.03
MW - 8	08/08/18	3511.82	-	21.91	0.00	3489.91
MW - 8	08/30/18	3511.82	-	21.93	0.00	3489.89
MW - 8	09/12/18	3511.82	-	21.95	0.00	3489.87

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	09/20/18	3511.82	-	21.84	0.00	3489.98
MW - 8	09/26/18	3511.82	-	21.94	0.00	3489.88
MW - 8	10/03/18	3511.82	-	21.80	0.00	3490.02
MW - 8	10/19/18	3511.82	-	21.82	0.00	3490.00
MW - 8	10/31/18	3511.82	-	21.69	0.00	3490.13
MW - 8	11/06/18	3511.82	-	21.69	0.00	3490.13
MW - 8	11/12/18	3511.82	-	21.65	0.00	3490.17
MW - 8	12/03/18	3511.82	-	21.63	0.00	3490.19
MW - 8	12/27/18	3511.82	-	21.47	0.00	3490.35
MW - 8	01/03/19	3511.82	-	21.44	0.00	3490.38
MW - 8	01/09/19	3511.82	-	21.44	0.00	3490.38
MW - 8	01/16/19	3511.82	21.43	21.44	0.01	3490.39
MW - 8	01/31/19	3511.82	-	21.51	0.00	3490.31
MW - 8	02/06/19	3511.82	-	21.43	0.00	3490.39
MW - 8	02/13/19	3511.82	-	21.48	0.00	3490.34
MW - 8	02/21/19	3511.82	-	21.53	0.00	3490.29
MW - 8	02/28/19	3511.82	-	21.44	0.00	3490.38
MW - 8	03/06/19	3511.82	-	21.48	0.00	3490.34
MW - 8	03/12/19	3511.82	-	21.36	0.00	3490.46
MW - 8	03/19/19	3511.82	-	21.38	0.00	3490.44
MW - 8	03/28/19	3511.82	-	21.43	0.00	3490.39
MW - 8	04/01/19	3511.82	-	21.35	0.00	3490.47
MW - 8	04/10/19	3511.82	-	21.33	0.00	3490.49
MW - 8	04/17/19	3511.82	-	21.31	0.00	3490.51
MW - 8	04/24/19	3511.82	-	21.34	0.00	3490.48
MW - 8	05/01/19	3511.82	-	21.30	0.00	3490.52
MW - 8	05/08/19	3511.82	-	21.28	0.00	3490.54
MW - 8	05/17/19	3511.82	-	21.24	0.00	3490.58
MW - 8	06/14/19	3511.82	-	21.47	0.00	3490.35
MW - 8	06/18/19	3511.82	-	21.48	0.00	3490.34
MW - 8	06/28/19	3511.82	-	21.62	0.00	3490.20
MW - 8	07/11/19	3511.82	-	21.74	0.00	3490.08
MW - 8	08/08/19	3511.82	-	21.96	0.00	3489.86
MW - 8	09/12/19	3511.82	-	22.07	0.00	3489.75
MW - 8	09/17/19	3511.82	-	22.10	0.00	3489.72
MW - 8	10/15/19	3511.82	-	21.92	0.00	3489.90
MW - 8	11/06/19	3511.82	-	21.87	0.00	3489.95
MW - 8	11/13/19	3511.82	-	21.72	0.00	3490.10
MW - 8	12/17/19	3511.82	-	21.68	0.00	3490.14
MW - 8	01/06/20	3511.82	-	21.55	0.00	3490.27
MW - 8	01/23/20	3511.82	-	21.63	0.00	3490.19
MW - 8	01/29/20	3511.82	-	21.53	0.00	3490.29
MW - 8	02/21/20	3511.82	-	21.53	0.00	3490.29
MW - 8	03/05/20	3511.82	-	21.52	0.00	3490.30
MW - 8	05/14/20	3511.82	21.25	21.26	0.01	3490.57
MW - 8	05/21/20	3511.82	21.30	21.31	0.01	3490.52
MW - 8	06/18/20	3511.82	-	21.66	0.00	3490.16
MW - 8	07/21/20	3511.82	-	22.00	0.00	3489.82
MW - 8	08/14/20	3511.82	-	22.12	0.00	3489.70
MW - 8	09/14/20	3511.82	-	22.17	0.00	3489.65
MW - 8	10/16/20	3511.82	22.25	22.33	0.08	3489.56
MW - 8	12/10/20	3511.82	22.29	22.47	0.18	3489.50
MW - 8	01/13/21	3511.82	22.23	22.40	0.17	3489.56
MW - 8	02/11/21	3511.82	22.21	22.35	0.14	3489.59

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	04/21/21	3511.82	22.11	22.30	0.19	3489.68
MW - 8	06/11/21	3511.82	22.10	22.35	0.25	3489.68
MW - 8	09/23/21	3511.82	22.40	22.64	0.24	3489.38
MW - 8	10/14/21	3511.82	22.45	22.65	0.20	3489.34
MW - 8	12/07/21	3511.82	22.49	22.78	0.29	3489.29
MW - 8	03/15/22	3511.82	22.38	22.81	0.43	3489.38
MW - 8	04/20/22	3511.82	22.38	22.85	0.47	3489.37
MW - 8	05/11/22	3511.82	22.43	22.80	0.37	3489.33
MW - 8	08/16/22	3511.82	22.83	23.25	0.42	3488.93
MW - 8	11/08/22	3511.82	22.70	23.00	0.30	3489.08
MW - 9	06/20/02	3509.36	-	21.04	0.00	3488.32
MW - 9	09/26/02	3509.36	-	21.44	0.00	3487.92
MW - 9	11/07/02	3509.36	-	21.42	0.00	3487.94
MW - 9	11/12/02	3509.36	-	21.38	0.00	3487.98
MW - 9	01/07/03	3509.36	-	21.12	0.00	3488.24
MW - 9	01/27/03	3509.36	-	21.10	0.00	3488.26
MW - 9	02/12/03	3509.36	-	21.07	0.00	3488.29
MW - 9	03/11/03	3509.36	-	21.02	0.00	3488.34
MW - 9	03/19/03	3509.36	-	21.02	0.00	3488.34
MW - 9	04/16/03	3509.36	-	20.95	0.00	3488.41
MW - 9	04/29/03	3509.36	-	20.97	0.00	3488.39
MW - 9	05/14/03	3509.36	-	21.15	0.00	3488.21
MW - 9	05/20/03	3509.36	-	21.31	0.00	3488.05
MW - 9	05/27/03	3509.36	-	21.31	0.00	3488.05
MW - 9	06/04/03	3509.36	-	21.24	0.00	3488.12
MW - 9	07/07/03	3509.36	-	21.71	0.00	3487.65
MW - 9	07/30/03	3509.36	-	21.76	0.00	3487.60
MW - 9	08/06/03	3509.36	-	22.00	0.00	3487.36
MW - 9	08/21/03	3509.36	sheen	22.20	0.00	3487.16
MW - 9	08/26/03	3509.36	-	22.31	0.00	3487.05
MW - 9	09/08/03	3509.36	-	22.68	0.00	3486.68
MW - 9	09/15/03	3509.36	-	22.39	0.00	3486.97
MW - 9	09/24/03	3509.36	-	22.40	0.00	3486.96
MW - 9	10/02/03	3509.36	-	22.25	0.00	3487.11
MW - 9	10/08/03	3509.36	-	22.14	0.00	3487.22
MW - 9	10/16/03	3509.36	-	22.44	0.00	3486.92
MW - 9	10/28/03	3509.36	-	22.51	0.00	3486.85
MW - 9	11/11/03	3509.36	-	22.53	0.00	3486.83
MW - 9	11/18/03	3509.36	-	22.28	0.00	3487.08
MW - 9	12/10/03	3509.36	sheen	22.18	0.00	3487.18
MW - 9	02/02/04	3509.36	-	22.76	0.00	3486.60
MW - 9	02/11/04	3509.36	-	21.96	0.00	3487.40
MW - 9	02/26/04	3509.36	-	22.02	0.00	3487.34
MW - 9	03/16/04	3509.36	-	22.23	0.00	3487.13
MW - 9	03/19/04	3509.36	-	22.19	0.00	3487.17
MW - 9	03/25/04	3509.36	-	22.17	0.00	3487.19
MW - 9	04/01/04	3509.36	-	22.13	0.00	3487.23
MW - 9	04/08/04	3509.36	-	22.10	0.00	3487.26
MW - 9	04/14/04	3509.36	-	21.49	0.00	3487.87
MW - 9	04/16/04	3509.36	-	21.56	0.00	3487.80
MW - 9	04/22/04	3509.36	-	20.74	0.00	3488.62
MW - 9	04/29/04	3509.36	-	20.74	0.00	3488.62
MW - 9	05/11/04	3509.36	-	20.80	0.00	3488.56



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	06/08/04	3509.36	-	20.90	0.00	3488.46
MW - 9	06/17/04	3509.36	-	20.84	0.00	3488.52
MW - 9	06/22/04	3509.36	-	20.87	0.00	3488.49
MW - 9	06/29/04	3509.36	-	20.85	0.00	3488.51
MW - 9	07/06/04	3509.36	-	20.88	0.00	3488.48
MW - 9	07/13/04	3509.36	-	20.92	0.00	3488.44
MW - 9	07/20/04	3509.36	-	21.08	0.00	3488.28
MW - 9	08/04/04	3509.36	-	21.10	0.00	3488.26
MW - 9	08/10/04	3509.36	-	21.08	0.00	3488.28
MW - 9	08/16/04	3509.36	sheen	21.23	0.00	3488.13
MW - 9	08/23/04	3509.36	-	21.12	0.00	3488.24
MW - 9	08/25/04	3509.36	-	21.50	0.00	3487.86
MW - 9	08/26/04	3509.36	-	21.16	0.00	3488.20
MW - 9	08/31/04	3509.36	sheen	21.21	0.00	3488.15
MW - 9	09/13/04	3509.36	sheen	21.33	0.00	3488.03
MW - 9	09/20/04	3509.36	sheen	21.36	0.00	3488.00
MW - 9	09/20/04	3509.36	sheen	21.30	0.00	3488.06
MW - 9	10/04/04	3509.36	sheen	20.81	0.00	3488.55
MW - 9	10/11/04	3509.36	sheen	20.60	0.00	3488.76
MW - 9	10/18/04	3509.36	sheen	20.60	0.00	3488.76
MW - 9	10/26/04	3509.36	sheen	20.64	0.00	3488.72
MW - 9	11/02/04	3509.36	sheen	20.61	0.00	3488.75
MW - 9	11/08/04	3509.36	sheen	20.59	0.00	3488.77
MW - 9	11/15/04	3509.36	sheen	20.57	0.00	3488.79
MW - 9	12/01/04	3509.36	sheen	20.40	0.00	3488.96
MW - 9	12/03/04	3509.36	-	20.40	0.00	3488.96
MW - 9	12/14/04	3509.36	sheen	20.33	0.00	3489.03
MW - 9	12/21/04	3509.36	sheen	20.70	0.00	3488.66
MW - 9	12/29/04	3509.36	sheen	20.25	0.00	3489.11
MW - 9	01/11/05	3509.36	sheen	20.14	0.00	3489.22
MW - 9	01/14/05	3509.36	sheen	20.10	0.00	3489.26
MW - 9	01/18/05	3509.36	sheen	20.12	0.00	3489.24
MW - 9	01/21/05	3509.36	sheen	20.10	0.00	3489.26
MW - 9	01/25/05	3509.36	sheen	20.07	0.00	3489.29
MW - 9	01/28/05	3509.36	sheen	20.03	0.00	3489.33
MW - 9	02/02/05	3509.36	sheen	20.03	0.00	3489.33
MW - 9	02/05/05	3509.36	sheen	20.00	0.00	3489.36
MW - 9	02/08/05	3509.36	sheen	19.99	0.00	3489.37
MW - 9	02/11/05	3509.36	sheen	20.02	0.00	3489.34
MW - 9	02/15/05	3509.36	sheen	19.95	0.00	3489.41
MW - 9	02/18/05	3509.36	sheen	19.94	0.00	3489.42
MW - 9	02/22/05	3509.36	sheen	19.91	0.00	3489.45
MW - 9	02/25/05	3509.36	sheen	19.92	0.00	3489.44
MW - 9	03/01/05	3509.36	sheen	19.86	0.00	3489.50
MW - 9	03/04/05	3509.36	sheen	19.85	0.00	3489.51
MW - 9	03/08/05	3509.36	sheen	19.84	0.00	3489.52
MW - 9	03/08/05	3509.36	sheen	19.84	0.00	3489.52
MW - 9	03/11/05	3509.36	sheen	19.87	0.00	3489.49
MW - 9	03/15/05	3509.36	sheen	19.79	0.00	3489.57
MW - 9	03/18/05	3509.36	sheen	19.80	0.00	3489.56
MW - 9	03/22/05	3509.36	sheen	19.80	0.00	3489.56
MW - 9	03/28/05	3509.36	sheen	19.65	0.00	3489.71
MW - 9	04/01/05	3509.36	sheen	19.66	0.00	3489.70
MW - 9	04/05/05	3509.36	sheen	19.63	0.00	3489.73

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	04/08/05	3509.36	sheen	19.63	0.00	3489.73
MW - 9	04/12/05	3509.36	sheen	19.61	0.00	3489.75
MW - 9	04/15/05	3509.36	sheen	19.59	0.00	3489.77
MW - 9	05/25/05	3509.36	sheen	19.41	0.00	3489.95
MW - 9	05/27/05	3509.36	sheen	19.40	0.00	3489.96
MW - 9	05/31/05	3509.36	sheen	19.38	0.00	3489.98
MW - 9	06/03/05	3509.36	sheen	19.35	0.00	3490.01
MW - 9	06/06/05	3509.36	sheen	19.34	0.00	3490.02
MW - 9	06/08/05	3509.36	-	19.34	0.00	3490.02
MW - 9	06/13/05	3509.36	sheen	19.34	0.00	3490.02
MW - 9	06/20/05	3509.36	sheen	19.38	0.00	3489.98
MW - 9	06/24/05	3509.36	sheen	19.38	0.00	3489.98
MW - 9	06/27/05	3509.36	sheen	19.43	0.00	3489.93
MW - 9	07/11/05	3509.36	sheen	19.57	0.00	3489.79
MW - 9	07/15/05	3509.36	sheen	19.63	0.00	3489.73
MW - 9	07/18/05	3509.36	sheen	19.66	0.00	3489.70
MW - 9	07/21/05	3509.36	sheen	19.66	0.00	3489.70
MW - 9	07/25/05	3509.36	sheen	19.74	0.00	3489.62
MW - 9	08/01/05	3509.36	sheen	19.79	0.00	3489.57
MW - 9	08/04/05	3509.36	sheen	19.80	0.00	3489.56
MW - 9	08/12/05	3509.36	sheen	19.88	0.00	3489.48
MW - 9	08/15/05	3509.36	sheen	19.82	0.00	3489.54
MW - 9	08/23/05	3509.36	sheen	19.61	0.00	3489.75
MW - 9	08/30/05	3509.36	sheen	19.58	0.00	3489.78
MW - 9	09/06/05	3509.36	sheen	19.54	0.00	3489.82
MW - 9	09/13/05	3509.36	sheen	19.55	0.00	3489.81
MW - 9	09/15/05	3509.36	-	19.59	0.00	3489.77
MW - 9	09/19/05	3509.36	sheen	19.60	0.00	3489.76
MW - 9	09/27/05	3509.36	sheen	19.59	0.00	3489.77
MW - 9	10/03/05	3509.36	sheen	19.66	0.00	3489.70
MW - 9	10/08/05	3509.36	sheen	19.44	0.00	3489.92
MW - 9	10/10/05	3509.36	sheen	19.60	0.00	3489.76
MW - 9	10/17/05	3509.36	sheen	19.51	0.00	3489.85
MW - 9	10/24/05	3509.36	sheen	19.51	0.00	3489.85
MW - 9	10/31/05	3509.36	sheen	19.49	0.00	3489.87
MW - 9	11/15/05	3509.36	sheen	19.48	0.00	3489.88
MW - 9	11/22/05	3509.36	sheen	19.44	0.00	3489.92
MW - 9	11/27/05	3509.36	19.41	19.42	0.01	3489.95
MW - 9	12/07/05	3509.36	sheen	19.42	0.00	3489.94
MW - 9	12/12/05	3509.36	-	19.41	0.00	3489.95
MW - 9	12/16/05	3509.36	sheen	19.40	0.00	3489.96
MW - 9	12/22/05	3509.36	sheen	19.40	0.00	3489.96
MW - 9	12/27/05	3509.36	sheen	19.40	0.00	3489.96
MW - 9	01/03/06	3509.36	sheen	19.37	0.00	3489.99
MW - 9	01/09/06	3509.36	sheen	19.43	0.00	3489.93
MW - 9	01/16/06	3509.36	sheen	19.38	0.00	3489.98
MW - 9	01/23/06	3509.36	sheen	19.40	0.00	3489.96
MW - 9	01/30/06	3509.36	sheen	19.39	0.00	3489.97
MW - 9	02/06/06	3509.36	sheen	19.38	0.00	3489.98
MW - 9	02/14/06	3509.36	sheen	19.35	0.00	3490.01
MW - 9	02/21/06	3509.36	sheen	19.36	0.00	3490.00
MW - 9	03/01/06	3509.36	sheen	19.34	0.00	3490.02
MW - 9	03/06/06	3509.36	sheen	19.35	0.00	3490.01
MW - 9	03/15/06	3509.36	sheen	19.34	0.00	3490.02

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 9	03/16/06	3509.36	-	19.34	0.00	3490.02
MW - 9	03/21/06	3509.36	sheen	19.35	0.00	3490.01
MW - 9	03/28/06	3509.36	sheen	19.35	0.00	3490.01
MW - 9	04/03/06	3509.36	sheen	19.29	0.00	3490.07
MW - 9	04/17/06	3509.36	sheen	19.19	0.00	3490.17
MW - 9	05/01/06	3509.36	sheen	19.27	0.00	3490.09
MW - 9	05/08/06	3509.36	sheen	19.28	0.00	3490.08
MW - 9	05/15/06	3509.36	sheen	19.37	0.00	3489.99
MW - 9	05/30/06	3509.36	sheen	19.58	0.00	3489.78
MW - 9	06/05/06	3509.36	sheen	19.68	0.00	3489.68
MW - 9	06/12/06	3509.36	sheen	19.78	0.00	3489.58
MW - 9	06/15/06	3509.36	-	19.80	0.00	3489.56
MW - 9	06/19/06	3509.36	sheen	19.87	0.00	3489.49
MW - 9	09/06/06	3509.36	sheen	19.61	0.00	3489.75
MW - 9	09/11/06	3509.36	sheen	19.58	0.00	3489.78
MW - 9	09/18/06	3509.36	-	19.57	0.00	3489.79
MW - 9	09/29/06	3509.36	-	19.59	0.00	3489.77
MW - 9	11/30/06	3509.36	-	19.54	0.00	3489.82
MW - 9	01/11/07	3509.36	sheen	19.47	0.00	3489.89
MW - 9	01/22/07	3509.36	sheen	19.44	0.00	3489.92
MW - 9	02/27/07	3509.36	-	19.40	0.00	3489.96
MW - 9	05/22/07	3509.36	-	19.14	0.00	3490.22
MW - 9	08/15/07	3509.36	-	19.90	0.00	3489.46
MW - 9	11/06/07	3509.36	-	19.70	0.00	3489.66
MW - 9	02/12/08	3509.36	-	19.53	0.00	3489.83
MW - 9	05/13/08	3509.36	-	19.47	0.00	3489.89
MW - 9	08/14/08	3509.36	-	20.32	0.00	3489.04
MW - 9	11/12/08	3509.36	-	19.80	0.00	3489.56
MW - 9	02/10/09	3509.36	-	19.64	0.00	3489.72
MW - 9	05/12/09	3509.36	-	19.60	0.00	3489.76
MW - 9	08/10/09	3509.36	-	20.25	0.00	3489.11
MW - 9	11/18/09	3509.36	-	20.48	0.00	3488.88
MW - 9	01/04/10	3509.36	-	20.41	0.00	3488.95
MW - 9	02/09/10	3509.36	-	20.25	0.00	3489.11
MW - 9	05/12/10	3509.36	-	19.84	0.00	3489.52
MW - 9	08/03/10	3509.36	-	19.58	0.00	3489.78
MW - 9	08/11/10	3509.36	-	19.85	0.00	3489.51
MW - 9	08/19/10	3509.36	-	19.62	0.00	3489.74
MW - 9	11/11/10	3509.36	-	20.49	0.00	3488.87
MW - 9	02/16/11	3509.36	-	20.48	0.00	3488.88
MW - 9	03/01/11	3509.36	-	19.83	0.00	3489.53
MW - 9	03/07/11	3509.36	-	19.81	0.00	3489.55
MW - 9	04/27/11	3509.36	sheen	19.85	0.00	3489.51
MW - 9	05/19/11	3509.36	-	20.51	0.00	3488.85
MW - 9	06/08/11	3509.36	-	20.10	0.00	3489.26
MW - 9	07/06/11	3509.36	-	20.40	0.00	3488.96
MW - 9	08/10/11	3509.36	-	20.60	0.00	3488.76
MW - 9	11/14/11	3509.36	-	20.59	0.00	3488.77
MW - 9	02/29/12	3509.36	-	20.28	0.00	3489.08
MW - 9	05/02/12	3509.36	-	20.19	0.00	3489.17
MW - 9	02/04/14	3509.36	Plugged and Abandoned			
MW - 10	06/20/02	3509.92	-	21.40	0.00	3488.52
MW - 10	09/26/02	3509.92	21.84	21.95	0.11	3488.06

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	11/07/02	3509.92	21.77	21.84	0.07	3488.14
MW - 10	11/12/02	3509.91	21.75	21.81	0.06	3488.15
MW - 10	01/07/03	3509.91	21.50	21.57	0.07	3488.40
MW - 10	01/27/03	3509.91	19.39	19.51	0.12	3490.50
MW - 10	03/11/03	3509.91	21.32	21.41	0.09	3488.58
MW - 10	03/18/03	3509.91	21.32	21.40	0.08	3488.58
MW - 10	04/16/03	3509.91	21.24	21.27	0.03	3488.67
MW - 10	05/14/03	3509.91	21.45	21.66	0.21	3488.43
MW - 10	05/20/03	3509.91	21.67	21.90	0.23	3488.21
MW - 10	05/27/03	3509.91	-	21.86	0.00	3488.05
MW - 10	06/04/03	3509.91	20.55	21.62	1.07	3489.20
MW - 10	07/07/03	3509.91	-	22.14	0.00	3487.77
MW - 10	07/30/03	3509.91	-	21.76	0.00	3488.15
MW - 10	08/06/03	3509.91	-	22.41	0.00	3487.50
MW - 10	08/21/03	3509.91	sheen	22.60	0.00	3487.31
MW - 10	08/26/03	3509.91	-	22.71	0.00	3487.20
MW - 10	09/08/03	3509.91	-	22.68	0.00	3487.23
MW - 10	09/15/03	3509.91	-	22.63	0.00	3487.28
MW - 10	09/24/03	3509.91	-	22.78	0.00	3487.13
MW - 10	10/02/03	3509.91	-	22.64	0.00	3487.27
MW - 10	10/08/03	3509.91	-	22.53	0.00	3487.38
MW - 10	10/16/03	3509.91	-	22.82	0.00	3487.09
MW - 10	10/28/03	3509.91	-	22.87	0.00	3487.04
MW - 10	11/11/03	3509.91	-	22.94	0.00	3486.97
MW - 10	11/18/03	3509.91	-	22.16	0.00	3487.75
MW - 10	12/10/03	3509.91	22.58	22.69	0.11	3487.31
MW - 10	02/02/04	3509.91	-	22.87	0.00	3487.04
MW - 10	02/11/04	3509.91	-	22.28	0.00	3487.63
MW - 10	02/26/04	3509.91	22.33	22.37	0.04	3487.57
MW - 10	03/16/04	3509.91	22.56	22.61	0.05	3487.34
MW - 10	03/19/04	3509.91	22.51	22.59	0.08	3487.39
MW - 10	03/25/04	3509.91	22.52	22.58	0.06	3487.38
MW - 10	04/01/04	3509.91	-	22.46	0.00	3487.45
MW - 10	04/08/04	3509.91	22.04	22.07	0.03	3487.87
MW - 10	04/14/04	3509.91	21.85	22.00	0.15	3488.04
MW - 10	04/16/04	3509.91	21.95	21.96	0.01	3487.96
MW - 10	04/22/04	3509.91	-	21.13	0.00	3488.78
MW - 10	04/29/04	3509.91	21.11	21.12	0.01	3488.80
MW - 10	05/11/04	3509.91	-	21.17	0.00	3488.74
MW - 10	06/08/04	3509.91	21.24	21.25	0.01	3488.67
MW - 10	06/17/04	3509.91	21.20	22.22	1.02	3488.56
MW - 10	06/22/04	3509.91	21.24	22.18	0.94	3488.53
MW - 10	06/29/04	3509.91	21.23	22.10	0.87	3488.55
MW - 10	07/06/04	3509.91	21.24	21.26	0.02	3488.67
MW - 10	07/13/04	3509.91	21.28	21.29	0.01	3488.63
MW - 10	07/20/04	3509.91	21.43	21.44	0.01	3488.48
MW - 10	08/04/04	3509.91	21.45	21.46	0.01	3488.46
MW - 10	08/10/04	3509.91	21.46	21.47	0.01	3488.45
MW - 10	08/16/04	3509.91	21.60	21.80	0.20	3488.28
MW - 10	08/23/04	3509.91	21.48	21.58	0.10	3488.42
MW - 10	08/25/04	3509.91	21.50	21.55	0.05	3488.40
MW - 10	08/26/04	3509.91	21.51	21.64	0.13	3488.38
MW - 10	08/31/04	3509.91	21.58	21.78	0.20	3488.30
MW - 10	09/13/04	3509.91	21.69	21.96	0.27	3488.18

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	09/20/04	3509.91	21.76	21.95	0.19	3488.12
MW - 10	09/30/04	3509.91	21.83	21.91	0.08	3488.07
MW - 10	10/04/04	3509.91	21.20	21.22	0.02	3488.71
MW - 10	10/11/04	3509.91	sheen	19.99	0.00	3489.92
MW - 10	10/18/04	3509.91	sheen	21.02	0.00	3488.89
MW - 10	10/26/04	3509.91	sheen	21.09	0.00	3488.82
MW - 10	11/02/04	3509.91	sheen	21.00	0.00	3488.91
MW - 10	11/08/04	3509.91	sheen	20.97	0.00	3488.94
MW - 10	11/15/04	3509.91	21.19	21.25	0.06	3488.71
MW - 10	12/01/04	3509.91	sheen	20.91	0.00	3489.00
MW - 10	12/03/04	3509.91	-	20.91	0.00	3489.00
MW - 10	12/14/04	3509.91	sheen	20.74	0.00	3489.17
MW - 10	12/21/04	3509.91	sheen	20.70	0.00	3489.21
MW - 10	12/29/04	3509.91	sheen	20.64	0.00	3489.27
MW - 10	01/11/05	3509.91	sheen	20.51	0.00	3489.40
MW - 10	01/14/05	3509.91	sheen	20.50	0.00	3489.41
MW - 10	01/18/05	3509.91	sheen	20.49	0.00	3489.42
MW - 10	01/21/05	3509.91	sheen	20.47	0.00	3489.44
MW - 10	01/25/05	3509.91	sheen	20.42	0.00	3489.49
MW - 10	01/28/05	3509.91	sheen	20.40	0.00	3489.51
MW - 10	02/02/05	3509.91	sheen	20.37	0.00	3489.54
MW - 10	02/05/05	3509.91	sheen	20.33	0.00	3489.58
MW - 10	02/08/05	3509.91	sheen	20.33	0.00	3489.58
MW - 10	02/11/05	3509.91	sheen	20.33	0.00	3489.58
MW - 10	02/15/05	3509.91	sheen	20.13	0.00	3489.78
MW - 10	02/18/05	3509.91	sheen	20.27	0.00	3489.64
MW - 10	02/22/05	3509.91	sheen	20.26	0.00	3489.65
MW - 10	02/25/05	3509.91	sheen	20.26	0.00	3489.65
MW - 10	03/01/05	3509.91	sheen	20.20	0.00	3489.71
MW - 10	03/04/05	3509.91	sheen	20.20	0.00	3489.71
MW - 10	03/08/05	3509.91	sheen	20.19	0.00	3489.72
MW - 10	03/08/05	3509.91	sheen	20.19	0.00	3489.72
MW - 10	03/11/05	3509.91	sheen	20.24	0.00	3489.67
MW - 10	03/15/05	3509.91	sheen	20.30	0.00	3489.61
MW - 10	03/18/05	3509.91	sheen	20.13	0.00	3489.78
MW - 10	03/22/05	3509.91	sheen	20.10	0.00	3489.81
MW - 10	03/28/05	3509.91	sheen	20.00	0.00	3489.91
MW - 10	04/01/05	3509.91	sheen	20.03	0.00	3489.88
MW - 10	04/05/05	3509.91	sheen	19.97	0.00	3489.94
MW - 10	04/08/05	3509.91	sheen	19.99	0.00	3489.92
MW - 10	04/12/05	3509.91	sheen	19.95	0.00	3489.96
MW - 10	04/15/05	3509.91	sheen	19.94	0.00	3489.97
MW - 10	05/25/05	3509.91	sheen	19.79	0.00	3490.12
MW - 10	05/27/05	3509.91	sheen	19.77	0.00	3490.14
MW - 10	05/31/05	3509.91	sheen	19.73	0.00	3490.18
MW - 10	06/03/05	3509.91	sheen	19.72	0.00	3490.19
MW - 10	06/06/05	3509.91	sheen	19.70	0.00	3490.21
MW - 10	06/08/05	3509.91	sheen	19.70	0.00	3490.21
MW - 10	06/13/05	3509.91	sheen	19.70	0.00	3490.21
MW - 10	06/20/05	3509.91	sheen	19.74	0.00	3490.17
MW - 10	06/24/05	3509.91	sheen	19.75	0.00	3490.16
MW - 10	06/27/05	3509.91	sheen	19.80	0.00	3490.11
MW - 10	07/11/05	3509.91	sheen	19.97	0.00	3489.94
MW - 10	07/15/05	3509.91	sheen	20.02	0.00	3489.89

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	07/18/05	3509.91	sheen	20.06	0.00	3489.85
MW - 10	07/21/05	3509.91	sheen	20.06	0.00	3489.85
MW - 10	07/25/05	3509.91	sheen	20.15	0.00	3489.76
MW - 10	08/01/05	3509.91	sheen	20.18	0.00	3489.73
MW - 10	08/04/05	3509.91	sheen	20.20	0.00	3489.71
MW - 10	08/12/05	3509.91	sheen	20.29	0.00	3489.62
MW - 10	08/15/05	3509.91	20.21	20.22	0.01	3489.70
MW - 10	08/23/05	3509.91	sheen	20.00	0.00	3489.91
MW - 10	08/30/05	3509.91	sheen	19.97	0.00	3489.94
MW - 10	09/06/05	3509.91	19.90	19.91	0.01	3490.01
MW - 10	09/13/05	3509.91	19.92	19.93	0.01	3489.99
MW - 10	09/15/05	3509.91	19.96	19.98	0.02	3489.95
MW - 10	09/19/05	3509.91	sheen	19.98	0.00	3489.93
MW - 10	09/27/05	3509.91	sheen	19.97	0.00	3489.94
MW - 10	10/03/05	3509.91	sheen	20.06	0.00	3489.85
MW - 10	10/08/05	3509.91	19.81	19.82	0.01	3490.10
MW - 10	10/10/05	3509.91	sheen	20.02	0.00	3489.89
MW - 10	10/17/05	3509.91	sheen	19.90	0.00	3490.01
MW - 10	10/24/05	3509.91	sheen	19.90	0.00	3490.01
MW - 10	10/31/05	3509.91	sheen	19.86	0.00	3490.05
MW - 10	11/15/05	3509.91	19.88	19.89	0.01	3490.03
MW - 10	11/22/05	3509.91	19.83	19.84	0.01	3490.08
MW - 10	11/27/05	3509.91	19.81	19.82	0.01	3490.10
MW - 10	12/07/05	3509.91	19.74	19.75	0.01	3490.17
MW - 10	12/12/05	3509.91	19.72	19.80	0.08	3490.18
MW - 10	12/16/05	3509.91	19.70	19.76	0.06	3490.20
MW - 10	12/22/05	3509.91	19.79	19.82	0.03	3490.12
MW - 10	12/27/05	3509.91	19.77	19.78	0.01	3490.14
MW - 10	01/03/06	3509.91	19.75	19.76	0.01	3490.16
MW - 10	01/09/06	3509.91	19.79	19.80	0.01	3490.12
MW - 10	01/16/06	3509.91	19.74	19.75	0.01	3490.17
MW - 10	01/23/06	3509.91	19.76	19.77	0.01	3490.15
MW - 10	01/30/06	3509.91	19.74	19.75	0.01	3490.17
MW - 10	02/06/06	3509.91	19.74	19.75	0.01	3490.17
MW - 10	02/14/06	3509.91	19.72	19.73	0.01	3490.19
MW - 10	02/21/06	3509.91	sheen	19.73	0.00	3490.18
MW - 10	03/01/06	3509.91	sheen	19.70	0.00	3490.21
MW - 10	03/06/06	3509.91	19.71	19.72	0.01	3490.20
MW - 10	03/15/06	3509.91	sheen	19.71	0.00	3490.20
MW - 10	03/16/06	3509.91	19.70	19.71	0.01	3490.21
MW - 10	03/21/06	3509.91	sheen	19.72	0.00	3490.19
MW - 10	03/28/06	3509.91	sheen	19.73	0.00	3490.18
MW - 10	04/03/06	3509.91	sheen	19.65	0.00	3490.26
MW - 10	04/17/06	3509.91	sheen	19.62	0.00	3490.29
MW - 10	05/01/06	3509.91	sheen	19.64	0.00	3490.27
MW - 10	05/08/06	3509.91	sheen	19.66	0.00	3490.25
MW - 10	05/15/06	3509.91	sheen	19.75	0.00	3490.16
MW - 10	05/30/06	3509.91	sheen	19.98	0.00	3489.93
MW - 10	06/05/06	3509.91	20.07	20.67	0.60	3489.75
MW - 10	06/15/06	3509.91	20.22	20.31	0.09	3489.68
MW - 10	06/19/06	3509.91	sheen	20.29	0.00	3489.62
MW - 10	07/03/06	3509.91	sheen	20.41	0.00	3489.50
MW - 10	07/10/06	3509.91	20.41	20.46	0.05	3489.49
MW - 10	07/17/06	3509.91	20.26	20.39	0.13	3489.63

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	07/26/06	3509.91	20.31	20.36	0.05	3489.59
MW - 10	07/31/06	3509.91	20.39	20.48	0.09	3489.51
MW - 10	08/07/06	3509.91	20.42	20.51	0.09	3489.48
MW - 10	08/17/06	3509.91	sheen	20.33	0.00	3489.58
MW - 10	08/21/06	3509.91	sheen	20.26	0.00	3489.65
MW - 10	09/06/06	3509.91	sheen	20.00	0.00	3489.91
MW - 10	09/11/06	3509.91	sheen	19.96	0.00	3489.95
MW - 10	09/18/06	3509.91	sheen	19.98	0.00	3489.93
MW - 10	09/25/06	3509.91	sheen	19.98	0.00	3489.93
MW - 10	09/29/06	3509.91	sheen	19.96	0.00	3489.95
MW - 10	10/02/06	3509.91	sheen	19.95	0.00	3489.96
MW - 10	10/09/06	3509.91	sheen	20.00	0.00	3489.91
MW - 10	10/17/06	3509.91	sheen	19.98	0.00	3489.93
MW - 10	10/23/06	3509.91	sheen	19.98	0.00	3489.93
MW - 10	10/30/06	3509.91	sheen	19.96	0.00	3489.95
MW - 10	11/06/06	3509.91	sheen	19.26	0.00	3490.65
MW - 10	11/13/06	3509.91	sheen	19.48	0.00	3490.43
MW - 10	11/20/06	3509.91	sheen	20.01	0.00	3489.90
MW - 10	11/27/06	3509.91	sheen	19.45	0.00	3490.46
MW - 10	11/30/06	3509.91	sheen	19.94	0.00	3489.97
MW - 10	12/04/06	3509.91	sheen	19.94	0.00	3489.97
MW - 10	12/12/06	3509.91	sheen	19.94	0.00	3489.97
MW - 10	12/18/06	3509.91	sheen	19.93	0.00	3489.98
MW - 10	01/02/07	3509.91	sheen	19.91	0.00	3490.00
MW - 10	01/11/07	3509.91	sheen	19.85	0.00	3490.06
MW - 10	01/18/07	3509.91	sheen	19.88	0.00	3490.03
MW - 10	01/22/07	3509.91	sheen	19.83	0.00	3490.08
MW - 10	02/05/07	3509.91	sheen	19.83	0.00	3490.08
MW - 10	02/12/07	3509.91	-	19.19	0.00	3490.72
MW - 10	02/19/07	3509.91	-	19.75	0.00	3490.16
MW - 10	02/27/07	3509.91	sheen	19.79	0.00	3490.12
MW - 10	03/05/07	3509.91	sheen	19.80	0.00	3490.11
MW - 10	03/19/07	3509.91	-	19.76	0.00	3490.15
MW - 10	04/02/07	3509.91	sheen	19.65	0.00	3490.26
MW - 10	04/09/07	3509.91	-	19.68	0.00	3490.23
MW - 10	05/22/07	3509.91	sheen	19.74	0.00	3490.17
MW - 10	08/15/07	3509.91	20.31	20.38	0.07	3489.59
MW - 10	08/25/07	3509.91	sheen	20.50	0.00	3489.41
MW - 10	09/24/07	3509.91	sheen	20.07	0.00	3489.84
MW - 10	11/05/07	3509.91	sheen	20.09	0.00	3489.82
MW - 10	11/06/07	3509.91	sheen	20.11	0.00	3489.80
MW - 10	11/30/07	3509.91	sheen	20.10	0.00	3489.81
MW - 10	01/09/08	3509.91	sheen	19.96	0.00	3489.95
MW - 10	01/16/08	3509.91	sheen	19.91	0.00	3490.00
MW - 10	01/21/08	3509.91	sheen	19.97	0.00	3489.94
MW - 10	01/30/08	3509.91	sheen	19.94	0.00	3489.97
MW - 10	02/08/08	3509.91	sheen	19.95	0.00	3489.96
MW - 10	02/12/08	3509.91	-	19.93	0.00	3489.98
MW - 10	02/14/08	3509.91	sheen	19.96	0.00	3489.95
MW - 10	02/28/08	3509.91	sheen	19.93	0.00	3489.98
MW - 10	03/05/08	3509.91	sheen	19.94	0.00	3489.97
MW - 10	03/13/08	3509.91	sheen	19.91	0.00	3490.00
MW - 10	03/19/08	3509.91	sheen	19.92	0.00	3489.99
MW - 10	03/24/08	3509.91	sheen	19.88	0.00	3490.03

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	05/07/08	3509.91	sheen	19.88	0.00	3490.03
MW - 10	05/13/08	3509.91	sheen	19.88	0.00	3490.03
MW - 10	06/30/08	3509.91	sheen	20.58	0.00	3489.33
MW - 10	08/14/08	3509.91	sheen	20.75	0.00	3489.16
MW - 10	08/18/08	3509.91	sheen	20.81	0.00	3489.10
MW - 10	08/28/08	3509.91	sheen	20.68	0.00	3489.23
MW - 10	09/17/08	3509.91	sheen	20.37	0.00	3489.54
MW - 10	09/29/08	3509.91	sheen	20.31	0.00	3489.60
MW - 10	10/06/08	3509.91	sheen	20.32	0.00	3489.59
MW - 10	10/13/08	3509.91	sheen	20.39	0.00	3489.52
MW - 10	10/20/08	3509.91	sheen	20.31	0.00	3489.60
MW - 10	10/29/08	3509.91	sheen	20.27	0.00	3489.64
MW - 10	11/06/08	3509.91	sheen	20.24	0.00	3489.67
MW - 10	11/12/08	3509.91	sheen	20.20	0.00	3489.71
MW - 10	11/13/08	3509.91	sheen	20.20	0.00	3489.71
MW - 10	12/22/08	3509.91	sheen	20.12	0.00	3489.79
MW - 10	01/06/09	3509.91	-	20.12	0.00	3489.79
MW - 10	01/12/09	3509.91	-	20.09	0.00	3489.82
MW - 10	01/19/09	3509.91	-	20.14	0.00	3489.77
MW - 10	01/26/09	3509.91	-	20.08	0.00	3489.83
MW - 10	02/10/09	3509.91	-	20.07	0.00	3489.84
MW - 10	02/13/09	3509.91	-	20.08	0.00	3489.83
MW - 10	02/16/09	3509.91	-	20.05	0.00	3489.86
MW - 10	02/24/09	3509.91	-	20.04	0.00	3489.87
MW - 10	03/02/09	3509.91	-	20.02	0.00	3489.89
MW - 10	03/05/09	3509.91	-	20.06	0.00	3489.85
MW - 10	03/09/09	3509.91	-	20.02	0.00	3489.89
MW - 10	03/16/09	3509.91	-	20.04	0.00	3489.87
MW - 10	03/19/09	3509.91	-	20.01	0.00	3489.90
MW - 10	03/25/09	3509.91	-	20.03	0.00	3489.88
MW - 10	03/30/09	3509.91	-	20.02	0.00	3489.89
MW - 10	04/13/09	3509.91	-	19.99	0.00	3489.92
MW - 10	04/16/09	3509.91	-	20.03	0.00	3489.88
MW - 10	04/21/09	3509.91	-	20.01	0.00	3489.90
MW - 10	04/27/09	3509.91	-	20.01	0.00	3489.90
MW - 10	04/30/09	3509.91	-	20.00	0.00	3489.91
MW - 10	05/06/09	3509.91	-	20.02	0.00	3489.89
MW - 10	05/12/09	3509.91	-	19.97	0.00	3489.94
MW - 10	05/19/09	3509.91	-	20.08	0.00	3489.83
MW - 10	05/26/09	3509.91	-	20.14	0.00	3489.77
MW - 10	06/01/09	3509.91	-	20.23	0.00	3489.68
MW - 10	06/12/09	3509.91	-	20.31	0.00	3489.60
MW - 10	06/22/09	3509.91	-	20.41	0.00	3489.50
MW - 10	06/29/09	3509.91	-	20.52	0.00	3489.39
MW - 10	07/06/09	3509.91	-	20.61	0.00	3489.30
MW - 10	07/09/09	3509.91	-	20.11	0.00	3489.80
MW - 10	07/13/09	3509.91	-	20.13	0.00	3489.78
MW - 10	07/20/09	3509.91	-	21.14	0.00	3488.77
MW - 10	07/23/09	3509.91	-	20.69	0.00	3489.22
MW - 10	07/27/09	3509.91	-	20.71	0.00	3489.20
MW - 10	07/29/09	3509.91	-	20.65	0.00	3489.26
MW - 10	08/03/09	3509.91	-	20.57	0.00	3489.34
MW - 10	08/10/09	3509.91	-	20.69	0.00	3489.22
MW - 10	08/10/09	3509.91	-	20.69	0.00	3489.22



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	08/18/09	3509.91	-	20.80	0.00	3489.11
MW - 10	08/24/09	3509.91	-	20.84	0.00	3489.07
MW - 10	08/28/09	3509.91	-	19.82	0.00	3490.09
MW - 10	08/31/09	3509.91	-	20.91	0.00	3489.00
MW - 10	09/02/09	3509.91	-	20.76	0.00	3489.15
MW - 10	09/08/09	3509.91	-	20.96	0.00	3488.95
MW - 10	09/10/09	3509.91	-	20.87	0.00	3489.04
MW - 10	09/16/09	3509.91	-	20.91	0.00	3489.00
MW - 10	09/18/09	3509.91	-	20.90	0.00	3489.01
MW - 10	09/22/09	3509.91	-	20.93	0.00	3488.98
MW - 10	09/28/09	3509.91	-	19.83	0.00	3490.08
MW - 10	10/09/09	3509.91	-	20.95	0.00	3488.96
MW - 10	10/12/09	3509.91	-	20.09	0.00	3489.82
MW - 10	10/20/09	3509.91	-	21.05	0.00	3488.86
MW - 10	10/26/09	3509.91	-	20.11	0.00	3489.80
MW - 10	10/28/09	3509.91	-	20.99	0.00	3488.92
MW - 10	11/03/09	3509.91	-	20.94	0.00	3488.97
MW - 10	11/12/09	3509.91	-	20.90	0.00	3489.01
MW - 10	11/18/09	3509.91	-	20.94	0.00	3488.97
MW - 10	12/03/09	3509.91	sheen	20.86	0.00	3489.05
MW - 10	12/11/09	3509.91	sheen	20.86	0.00	3489.05
MW - 10	12/16/09	3509.91	sheen	20.84	0.00	3489.07
MW - 10	12/21/09	3509.91	-	20.89	0.00	3489.02
MW - 10	12/28/09	3509.91	-	20.80	0.00	3489.11
MW - 10	01/04/10	3509.91	-	20.80	0.00	3489.11
MW - 10	01/14/10	3509.91	sheen	20.80	0.00	3489.11
MW - 10	01/20/10	3509.91	sheen	20.70	0.00	3489.21
MW - 10	01/25/10	3509.91	-	20.72	0.00	3489.19
MW - 10	01/27/10	3509.91	sheen	20.70	0.00	3489.21
MW - 10	02/01/10	3509.91	sheen	20.67	0.00	3489.24
MW - 10	02/08/10	3509.91	sheen	20.66	0.00	3489.25
MW - 10	02/09/10	3509.91	sheen	20.74	0.00	3489.17
MW - 10	02/19/10	3509.91	-	20.53	0.00	3489.38
MW - 10	02/26/10	3509.91	sheen	19.61	0.00	3490.30
MW - 10	03/01/10	3509.91	-	20.70	0.00	3489.21
MW - 10	03/04/10	3509.91	sheen	20.56	0.00	3489.35
MW - 10	03/08/10	3509.91	sheen	20.58	0.00	3489.33
MW - 10	03/11/10	3509.91	-	20.47	0.00	3489.44
MW - 10	03/15/10	3509.91	sheen	20.54	0.00	3489.37
MW - 10	03/17/10	3509.91	sheen	20.45	0.00	3489.46
MW - 10	03/22/10	3509.91	-	20.41	0.00	3489.50
MW - 10	03/29/10	3509.91	-	20.37	0.00	3489.54
MW - 10	04/05/10	3509.91	sheen	20.42	0.00	3489.49
MW - 10	04/14/10	3509.91	sheen	20.39	0.00	3489.52
MW - 10	04/16/10	3509.91	-	20.92	0.00	3488.99
MW - 10	04/19/10	3509.91	sheen	20.42	0.00	3489.49
MW - 10	04/28/10	3509.91	sheen	20.34	0.00	3489.57
MW - 10	05/05/10	3509.91	-	20.82	0.00	3489.09
MW - 10	05/12/10	3509.91	sheen	20.37	0.00	3489.54
MW - 10	05/14/10	3509.91	sheen	20.37	0.00	3489.54
MW - 10	05/21/10	3509.91	sheen	20.38	0.00	3489.53
MW - 10	05/26/10	3509.91	sheen	20.33	0.00	3489.58
MW - 10	06/04/10	3509.91	sheen	20.40	0.00	3489.51
MW - 10	06/07/10	3509.91	sheen	20.52	0.00	3489.39

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	06/12/10	3509.91	sheen	20.56	0.00	3489.35
MW - 10	06/24/10	3509.91	sheen	20.68	0.00	3489.23
MW - 10	07/07/10	3509.91	sheen	20.33	0.00	3489.58
MW - 10	07/12/10	3509.91	sheen	20.13	0.00	3489.78
MW - 10	07/19/10	3509.91	sheen	20.05	0.00	3489.86
MW - 10	08/03/10	3509.91	sheen	19.97	0.00	3489.94
MW - 10	08/11/10	3509.91	sheen	19.97	0.00	3489.94
MW - 10	08/19/10	3509.91	-	20.03	0.00	3489.88
MW - 10	08/25/10	3509.91	sheen	20.06	0.00	3489.85
MW - 10	09/01/10	3509.91	sheen	20.12	0.00	3489.79
MW - 10	09/09/10	3509.91	sheen	20.20	0.00	3489.71
MW - 10	09/13/10	3509.91	sheen	19.96	0.00	3489.95
MW - 10	09/29/10	3509.91	sheen	20.28	0.00	3489.63
MW - 10	10/05/10	3509.91	sheen	19.85	0.00	3490.06
MW - 10	10/20/10	3509.91	sheen	19.89	0.00	3490.02
MW - 10	10/25/10	3509.91	sheen	19.87	0.00	3490.04
MW - 10	11/03/10	3509.91	sheen	20.07	0.00	3489.84
MW - 10	11/10/10	3509.91	sheen	20.11	0.00	3489.80
MW - 10	11/11/10	3509.91	-	20.11	0.00	3489.80
MW - 10	12/09/10	3509.91	sheen	19.92	0.00	3489.99
MW - 10	01/18/11	3509.91	-	20.11	0.00	3489.80
MW - 10	02/16/11	3509.91	-	20.13	0.00	3489.78
MW - 10	03/01/11	3509.91	-	22.01	0.00	3487.90
MW - 10	03/07/11	3509.91	-	20.21	0.00	3489.70
MW - 10	03/22/11	3509.91	-	20.14	0.00	3489.77
MW - 10	04/27/11	3509.91	-	20.23	0.00	3489.68
MW - 10	05/19/11	3509.91	-	20.15	0.00	3489.76
MW - 10	06/08/11	3509.91	-	20.58	0.00	3489.33
MW - 10	07/06/11	3509.91	-	20.84	0.00	3489.07
MW - 10	08/10/11	3509.91	-	21.04	0.00	3488.87
MW - 10	09/07/11	3509.91	-	20.18	0.00	3489.73
MW - 10	09/14/11	3509.91	-	21.17	0.00	3488.74
MW - 10	11/14/11	3509.91	-	20.99	0.00	3488.92
MW - 10	12/01/11	3509.91	-	20.94	0.00	3488.97
MW - 10	12/08/11	3509.91	-	20.95	0.00	3488.96
MW - 10	12/14/11	3509.91	-	20.91	0.00	3489.00
MW - 10	01/12/12	3509.91	-	20.88	0.00	3489.03
MW - 10	01/19/12	3509.91	-	20.81	0.00	3489.10
MW - 10	02/03/12	3509.91	-	20.77	0.00	3489.14
MW - 10	02/29/12	3509.91	-	20.67	0.00	3489.24
MW - 10	03/14/12	3509.91	-	20.61	0.00	3489.30
MW - 10	03/19/12	3509.91	-	20.62	0.00	3489.29
MW - 10	03/29/12	3509.91	-	20.59	0.00	3489.32
MW - 10	04/05/12	3509.91	-	20.55	0.00	3489.36
MW - 10	04/18/12	3509.91	-	20.52	0.00	3489.39
MW - 10	04/27/12	3509.91	-	20.55	0.00	3489.36
MW - 10	05/02/12	3509.91	-	20.59	0.00	3489.32
MW - 10	05/31/12	3509.91	-	20.55	0.00	3489.36
MW - 10	06/08/12	3509.91	-	19.61	0.00	3490.30
MW - 10	06/12/12	3509.91	-	20.66	0.00	3489.25
MW - 10	06/21/12	3509.91	-	20.65	0.00	3489.26
MW - 10	06/29/12	3509.91	-	20.75	0.00	3489.16
MW - 10	07/13/12	3509.91	-	20.93	0.00	3488.98
MW - 10	12/06/12	3509.91	-	21.17	0.00	3488.74

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	12/11/12	3509.91	-	21.17	0.00	3488.74
MW - 10	12/18/12	3509.91	-	21.16	0.00	3488.75
MW - 10	01/09/13	3509.91	-	21.11	0.00	3488.80
MW - 10	01/15/13	3509.91	-	21.12	0.00	3488.79
MW - 10	01/23/13	3509.91	-	21.11	0.00	3488.80
MW - 10	01/29/13	3509.91	-	21.09	0.00	3488.82
MW - 10	02/07/13	3509.91	-	21.06	0.00	3488.85
MW - 10	02/13/13	3509.91	-	21.03	0.00	3488.88
MW - 10	02/20/13	3509.91	20.99	21.00	0.01	3488.92
MW - 10	03/15/13	3509.91	-	20.98	0.00	3488.93
MW - 10	03/19/13	3509.91	-	20.99	0.00	3488.92
MW - 10	04/02/13	3509.91	-	20.96	0.00	3488.95
MW - 10	04/09/13	3509.91	-	20.93	0.00	3488.98
MW - 10	04/16/13	3509.91	-	20.92	0.00	3488.99
MW - 10	04/23/13	3509.91	-	20.91	0.00	3489.00
MW - 10	04/30/13	3509.91	-	20.89	0.00	3489.02
MW - 10	05/08/13	3509.91	-	20.89	0.00	3489.02
MW - 10	05/14/13	3509.91	-	20.89	0.00	3489.02
MW - 10	05/22/13	3509.91	-	20.89	0.00	3489.02
MW - 10	05/28/13	3509.91	-	20.89	0.00	3489.02
MW - 10	06/04/13	3509.91	-	20.94	0.00	3488.97
MW - 10	06/11/13	3509.91	-	20.99	0.00	3488.92
MW - 10	06/19/13	3509.91	-	21.06	0.00	3488.85
MW - 10	06/28/13	3509.91	-	21.22	0.00	3488.69
MW - 10	07/01/13	3509.91	-	21.24	0.00	3488.67
MW - 10	07/08/13	3509.91	-	21.33	0.00	3488.58
MW - 10	07/23/13	3509.91	-	21.32	0.00	3488.59
MW - 10	07/30/13	3509.91	-	21.26	0.00	3488.65
MW - 10	08/05/13	3509.91	-	21.24	0.00	3488.67
MW - 10	08/12/13	3509.91	-	21.27	0.00	3488.64
MW - 10	08/22/13	3509.91	-	21.40	0.00	3488.51
MW - 10	08/29/13	3509.91	-	21.48	0.00	3488.43
MW - 10	09/05/13	3509.91	-	21.51	0.00	3488.40
MW - 10	09/10/13	3509.91	-	21.56	0.00	3488.35
MW - 10	09/17/13	3509.91	-	21.66	0.00	3488.25
MW - 10	09/24/13	3509.91	-	21.62	0.00	3488.29
MW - 10	10/07/13	3509.91	-	21.76	0.00	3488.15
MW - 10	11/14/13	-	-	23.95	0.00	-
MW - 10	11/20/13	-	-	23.90	0.00	-
MW - 10	12/12/13	-	-	23.85	0.00	-
MW - 10	12/19/13	-	-	23.84	0.00	-
MW - 10	01/03/14	-	-	23.79	0.00	-
MW - 10	01/09/14	-	-	23.80	0.00	-
MW - 10	01/13/14	-	-	23.77	0.00	-
MW - 10	01/21/14	-	-	23.75	0.00	-
MW - 10	01/24/14	-	-	23.74	0.00	-
MW - 10	02/04/14	3513.79	-	23.70	0.00	3490.09
MW - 10	02/10/14	3513.79	-	23.71	0.00	3490.08
MW - 10	02/27/14	3513.79	-	23.67	0.00	3490.12
MW - 10	03/17/14	3513.79	-	23.59	0.00	3490.20
MW - 10	03/27/14	3513.79	-	23.58	0.00	3490.21
MW - 10	04/02/14	3513.79	-	23.60	0.00	3490.19
MW - 10	04/16/14	3513.79	-	23.53	0.00	3490.26
MW - 10	04/22/14	3513.79	-	23.52	0.00	3490.27

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 10	04/28/14	3513.79	-	23.55	0.00	3490.24
MW - 10	05/06/14	3513.79	-	23.46	0.00	3490.33
MW - 10	05/13/14	3513.79	-	23.55	0.00	3490.24
MW - 10	05/14/14	3513.79	-	23.53	0.00	3490.26
MW - 10	05/21/14	3513.79	-	23.57	0.00	3490.22
MW - 10	06/05/14	3513.79	-	23.72	0.00	3490.07
MW - 10	06/11/14	3513.79	-	23.82	0.00	3489.97
MW - 10	06/16/14	3513.79	-	23.89	0.00	3489.90
MW - 10	07/22/14	3513.79	-	24.23	0.00	3489.56
MW - 10	08/05/14	3513.79	-	24.31	0.00	3489.48
MW - 10	10/27/14	3513.79	-	23.22	0.00	3490.57
MW - 10	11/19/14	3513.79	-	23.08	0.00	3490.71
MW - 10	02/09/15	3513.79	-	23.08	0.00	3490.71
MW - 10	03/20/15	3513.79	-	23.06	0.00	3490.73
MW - 10	04/04/15	3513.79	-	23.03	0.00	3490.76
MW - 10	05/27/15	3513.79	-	22.89	0.00	3490.90
MW - 10	07/02/15	3513.79	-	22.99	0.00	3490.80
MW - 10	08/03/15	3513.79	-	23.29	0.00	3490.50
MW - 10	09/24/15	3513.79	-	23.54	0.00	3490.25
MW - 10	11/18/15	3513.79	-	23.09	0.00	3490.70
MW - 10	01/08/16	3513.79	-	22.99	0.00	3490.80
MW - 10	02/23/16	3513.79	-	22.93	0.00	3490.86
MW - 10	04/08/16	3513.79	-	22.86	0.00	3490.93
MW - 10	06/06/16	3513.79	-	22.92	0.00	3490.87
MW - 10	06/28/16	3513.79	-	23.24	0.00	3490.55
MW - 10	07/27/16	3513.79	-	23.60	0.00	3490.19
MW - 10	08/03/16	3513.79	-	23.55	0.00	3490.24
MW - 10	09/27/16	3513.79	-	22.71	0.00	3491.08
MW - 10	10/21/16	3513.79	-	22.56	0.00	3491.23
MW - 10	11/09/16	3513.79	-	22.53	0.00	3491.26
MW - 10	01/26/17	3513.79	-	22.58	0.00	3491.21
MW - 10	03/01/17	3513.79	-	22.48	0.00	3491.31
MW - 10	03/15/17	3513.79	-	22.42	0.00	3491.37
MW - 10	05/23/17	3513.79	-	22.47	0.00	3491.32
MW - 10	07/20/17	3513.79	-	23.05	0.00	3490.74
MW - 10	08/16/17	3513.79	-	22.94	0.00	3490.85
MW - 10	09/13/17	3513.79	-	23.01	0.00	3490.78
MW - 10	10/12/17	3513.79	-	22.72	0.00	3491.07
MW - 10	11/14/17	3513.79	-	23.64	0.00	3490.15
MW - 10	12/20/17	3513.79	-	23.53	0.00	3490.26
MW - 10	01/09/18	3513.79	-	22.49	0.00	3491.30
MW - 10	02/08/18	3513.79	-	22.49	0.00	3491.30
MW - 10	03/29/18	3513.79	-	22.43	0.00	3491.36
MW - 10	04/16/18	3513.79	-	22.39	0.00	3491.40
MW - 10	05/21/18	3513.79	-	22.62	0.00	3491.17
MW - 10	06/18/18	3513.79	-	22.91	0.00	3490.88
MW - 10	07/11/18	3513.79	-	23.12	0.00	3490.67
MW - 10	08/08/18	3513.79	-	23.31	0.00	3490.48
MW - 10	09/12/18	3513.79	-	23.37	0.00	3490.42
MW - 10	11/13/18	3513.79	-	23.06	0.00	3490.73
MW - 10	11/15/18	3513.79	-	23.06	0.00	3490.73
MW - 10	12/03/18	3513.79	-	21.63	0.00	3492.16
MW - 10	01/09/19	3513.79	-	22.83	0.00	3490.96
MW - 10	02/12/19	3513.79	-	22.79	0.00	3491.00

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM 97- 17**  
**LEA COUNTY, NEW MEXICO**  
**Plains Marketing, L.P.**  
**NMOCD Reference AP-17**

<b>Well Number</b>	<b>DATE MEASURED</b>	<b>TOP OF CASING ELEVATION</b>	<b>DEPTH TO PRODUCT</b>	<b>DEPTH TO WATER</b>	<b>PSH THICKNESS</b>	<b>CORRECTED GROUNDWATER ELEVATION</b>
MW - 10	02/07/19	3513.79	-	26.84	0.00	3486.95
MW - 10	03/12/19	3513.79	-	22.71	0.00	3491.08
MW - 10	04/01/19	3513.79	-	22.64	0.00	3491.15
MW - 10	05/07/19	3513.79	-	22.58	0.00	3491.21
MW - 10	06/14/19	3513.79	-	22.86	0.00	3490.93
MW - 10	07/11/19	3513.79	-	23.18	0.00	3490.61
MW - 10	08/07/19	3513.79	-	23.37	0.00	3490.42
MW - 10	09/12/19	3513.79	-	23.54	0.00	3490.25
MW - 10	10/15/19	3513.79	-	23.35	0.00	3490.44
MW - 10	11/06/19	3513.79	-	23.24	0.00	3490.55
MW - 10	12/17/19	3513.79	-	23.04	0.00	3490.75
MW - 10	01/06/20	3513.79	-	22.97	0.00	3490.82
MW - 10	03/04/20	3513.79	-	22.87	0.00	3490.92
MW - 10	05/14/20	3513.79	-	22.62	0.00	3491.17
MW - 10	06/17/20	3513.79	-	23.12	0.00	3490.67
MW - 10	07/21/20	3513.79	-	23.45	0.00	3490.34
MW - 10	08/12/20	3513.79	-	23.56	0.00	3490.23
MW - 10	09/14/20	3513.79	-	23.69	0.00	3490.10
MW - 10	12/08/20	3513.79	-	23.76	0.00	3490.03
MW - 10	01/13/21	3513.79	-	23.70	0.00	3490.09
MW - 10	02/10/21	3513.79	-	23.62	0.00	3490.17
MW - 10	04/21/21	3513.79	-	23.50	0.00	3490.29
MW - 10	06/10/21	3513.79	-	23.55	0.00	3490.24
MW - 10	09/22/21	3513.79	-	23.87	0.00	3489.92
MW - 10	10/14/21	3513.79	-	23.90	0.00	3489.89
MW - 10	12/06/21	3513.79	-	23.93	0.00	3489.86
MW - 10	03/14/22	3513.79	-	23.80	0.00	3489.99
MW - 10	04/20/22	3513.79	-	23.80	0.00	3489.99
MW - 10	05/09/22	3513.79	-	23.92	0.00	3489.87
MW - 10	08/16/22	3513.79	-	24.40	0.00	3489.39
MW - 10	11/08/22	3513.79	-	24.11	0.00	3489.68
MW - 11	06/20/02	3509.27	-	20.41	0.00	3488.86
MW - 11	09/26/02	3509.27	-	20.96	0.00	3488.31
MW - 11	11/12/02	3509.27	-	20.73	0.00	3488.54
MW - 11	02/12/03	3509.27	-	20.45	0.00	3488.82
MW - 11	05/14/03	3509.27	-	20.47	0.00	3488.80
MW - 11	08/21/03	3509.27	-	21.38	0.00	3487.89
MW - 11	12/10/03	3509.27	-	21.33	0.00	3487.94
MW - 11	02/11/04	3509.27	-	21.33	0.00	3487.94
MW - 11	05/11/04	3509.27	-	20.22	0.00	3489.05
MW - 11	08/25/04	3509.27	-	20.60	0.00	3488.67
MW - 11	11/03/04	3509.27	-	19.94	0.00	3489.33
MW - 11	12/03/04	3509.27	-	19.94	0.00	3489.33
MW - 11	03/08/05	3509.27	-	19.14	0.00	3490.13
MW - 11	06/08/05	3509.27	-	18.63	0.00	3490.64
MW - 11	09/15/05	3509.27	-	19.06	0.00	3490.21
MW - 11	12/12/05	3509.27	-	18.85	0.00	3490.42
MW - 11	03/16/06	3509.27	-	18.78	0.00	3490.49
MW - 11	06/15/06	3509.27	-	19.34	0.00	3489.93
MW - 11	09/18/06	3509.27	-	19.11	0.00	3490.16
MW - 11	11/30/06	3509.27	-	19.11	0.00	3490.16
MW - 11	02/27/07	3509.27	-	18.88	0.00	3490.39
MW - 11	05/22/07	3509.27	-	18.68	0.00	3490.59

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 11	08/15/07	3509.27	-	19.49	0.00	3489.78
MW - 11	11/06/07	3509.27	-	19.24	0.00	3490.03
MW - 11	02/12/08	3509.27	-	19.07	0.00	3490.20
MW - 11	05/13/08	3509.27	-	19.03	0.00	3490.24
MW - 11	08/14/08	3509.27	-	19.90	0.00	3489.37
MW - 11	11/12/08	3509.27	-	19.35	0.00	3489.92
MW - 11	02/10/09	3509.27	-	19.21	0.00	3490.06
MW - 11	05/12/09	3509.27	-	19.18	0.00	3490.09
MW - 11	08/10/09	3509.27	-	19.92	0.00	3489.35
MW - 11	11/18/09	3509.27	-	20.06	0.00	3489.21
MW - 11	01/04/10	3509.27	-	19.97	0.00	3489.30
MW - 11	02/09/10	3509.27	-	19.81	0.00	3489.46
MW - 11	05/12/10	3509.27	-	19.36	0.00	3489.91
MW - 11	08/11/10	3509.27	-	19.36	0.00	3489.91
MW - 11	11/11/10	3509.27	-	20.09	0.00	3489.18
MW - 11	02/16/11	3509.27	-	20.11	0.00	3489.16
MW - 11	05/19/11	3509.27	-	20.13	0.00	3489.14
MW - 11	08/10/11	3509.27	-	20.27	0.00	3489.00
MW - 11	11/14/11	3509.27	-	20.16	0.00	3489.11
MW - 11	02/29/12	3509.27	-	19.83	0.00	3489.44
MW - 11	05/02/12	3509.27	-	19.76	0.00	3489.51
MW - 11	12/06/12	3509.27	-	20.12	0.00	3489.15
MW - 11	02/13/13	3509.27	-	19.97	0.00	3489.30
MW - 11	05/22/13	3509.27	-	20.06	0.00	3489.21
MW - 11	08/12/13	3509.27	-	20.46	0.00	3488.81
MW - 11	11/20/13	3509.27	-	22.83	0.00	3486.44
MW - 11	02/04/14	3512.89	-	22.61	0.00	3490.28
MW - 11	05/14/14	3512.89	-	22.46	0.00	3490.43
MW - 11	07/22/14	3512.89	-	23.18	0.00	3489.71
MW - 11	08/05/14	3512.89	-	23.24	0.00	3489.65
MW - 11	10/27/14	3512.89	-	22.19	0.00	3490.70
MW - 11	11/19/14	3512.89	-	22.12	0.00	3490.77
MW - 11	02/09/15	3512.89	-	22.02	0.00	3490.87
MW - 11	03/20/15	3512.89	-	21.98	0.00	3490.91
MW - 11	04/04/15	3512.89	-	21.94	0.00	3490.95
MW - 11	05/27/15	3512.89	-	21.81	0.00	3491.08
MW - 11	07/09/15	3512.89	-	21.97	0.00	3490.92
MW - 11	08/03/15	3512.89	-	22.28	0.00	3490.61
MW - 11	09/24/15	3512.89	-	22.50	0.00	3490.39
MW - 11	11/18/15	3512.89	-	22.04	0.00	3490.85
MW - 11	01/08/16	3512.89	-	21.92	0.00	3490.97
MW - 11	02/23/16	3512.89	-	21.83	0.00	3491.06
MW - 11	04/08/16	3512.89	-	21.72	0.00	3491.17
MW - 11	06/06/16	3512.89	-	21.87	0.00	3491.02
MW - 11	06/28/16	3512.89	-	22.15	0.00	3490.74
MW - 11	07/27/16	3512.89	-	22.50	0.00	3490.39
MW - 11	08/03/16	3512.89	-	22.56	0.00	3490.33
MW - 11	09/27/16	3512.89	-	21.62	0.00	3491.27
MW - 11	10/21/16	3512.89	-	21.50	0.00	3491.39
MW - 11	11/08/16	3512.89	-	21.49	0.00	3491.40
MW - 11	01/26/17	3512.89	-	21.46	0.00	3491.43
MW - 11	02/28/17	3512.89	-	21.44	0.00	3491.45
MW - 11	03/15/17	3512.89	-	21.41	0.00	3491.48
MW - 11	05/23/17	3512.89	-	21.46	0.00	3491.43

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 11	07/20/17	3512.89	-	22.08	0.00	3490.81
MW - 11	08/16/17	3512.89	-	21.93	0.00	3490.96
MW - 11	09/13/17	3512.89	-	22.12	0.00	3490.77
MW - 11	10/12/17	3512.89	-	21.71	0.00	3491.18
MW - 11	11/13/17	3512.89	-	21.60	0.00	3491.29
MW - 11	12/20/17	3512.89	-	21.51	0.00	3491.38
MW - 11	01/09/18	3512.89	-	21.48	0.00	3491.41
MW - 11	02/07/18	3512.89	-	21.48	0.00	3491.41
MW - 11	03/29/18	3512.89	-	21.40	0.00	3491.49
MW - 11	04/16/18	3512.89	-	21.37	0.00	3491.52
MW - 11	05/21/18	3512.89	-	21.63	0.00	3491.26
MW - 11	06/18/18	3512.89	-	21.91	0.00	3490.98
MW - 11	07/11/18	3512.89	-	22.13	0.00	3490.76
MW - 11	08/08/18	3512.89	-	22.34	0.00	3490.55
MW - 11	09/12/18	3512.89	-	22.32	0.00	3490.57
MW - 11	11/12/18	3512.89	-	22.02	0.00	3490.87
MW - 11	01/09/19	3512.89	-	21.82	0.00	3491.07
MW - 11	02/12/19	3512.89	-	21.76	0.00	3491.13
MW - 11	03/12/19	3512.89	-	21.68	0.00	3491.21
MW - 11	04/01/19	3512.89	-	21.62	0.00	3491.27
MW - 11	05/07/19	3512.89	-	21.56	0.00	3491.33
MW - 11	06/14/19	3512.89	-	21.85	0.00	3491.04
MW - 11	07/11/19	3512.89	-	22.18	0.00	3490.71
MW - 11	08/07/19	3512.89	-	22.40	0.00	3490.49
MW - 11	09/12/19	3512.89	-	22.55	0.00	3490.34
MW - 11	10/15/19	3512.89	-	22.34	0.00	3490.55
MW - 11	11/05/19	3512.89	-	22.24	0.00	3490.65
MW - 11	12/17/19	3512.89	-	22.00	0.00	3490.89
MW - 11	01/06/20	3512.89	-	21.95	0.00	3490.94
MW - 11	03/04/20	3512.89	-	21.82	0.00	3491.07
MW - 11	05/14/20	3512.89	-	21.63	0.00	3491.26
MW - 11	06/17/20	3512.89	-	22.16	0.00	3490.73
MW - 11	07/21/20	3512.89	-	22.46	0.00	3490.43
MW - 11	08/12/20	3512.89	-	22.57	0.00	3490.32
MW - 11	09/14/20	3512.89	-	22.69	0.00	3490.20
MW - 11	12/09/20	3512.89	-	22.74	0.00	3490.15
MW - 11	01/13/21	3512.89	-	22.68	0.00	3490.21
MW - 11	02/10/21	3512.89	-	22.59	0.00	3490.30
MW - 11	04/21/21	3512.89	-	22.48	0.00	3490.41
MW - 11	06/09/21	3512.89	-	22.52	0.00	3490.37
MW - 11	09/23/21	3512.89	-	22.88	0.00	3490.01
MW - 11	10/14/21	3512.89	-	22.91	0.00	3489.98
MW - 11	12/06/21	3512.89	-	22.90	0.00	3489.99
MW - 11	03/15/22	3512.89	-	22.77	0.00	3490.12
MW - 11	04/20/22	3512.89	-	22.74	0.00	3490.15
MW - 11	05/10/22	3512.89	-	22.90	0.00	3489.99
MW - 11	08/16/22	3512.89	-	23.38	0.00	3489.51
MW - 11	11/09/22	3512.89	-	23.10	0.00	3489.79
MW - 12	06/20/02	3508.63	-	20.07	0.00	3488.56
MW - 12	09/26/02	3508.63	-	20.54	0.00	3488.09
MW - 12	11/12/02	3508.63	-	20.45	0.00	3488.18
MW - 12	02/12/03	3508.63	-	20.05	0.00	3488.58
MW - 12	05/14/03	3508.63	-	20.09	0.00	3488.54

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 12	08/21/03	3508.63	-	20.97	0.00	3487.66
MW - 12	12/10/03	3508.63	-	20.95	0.00	3487.68
MW - 12	02/11/04	3508.63	-	20.98	0.00	3487.65
MW - 12	05/11/04	3508.63	-	19.83	0.00	3488.80
MW - 12	08/25/04	3508.63	-	20.23	0.00	3488.40
MW - 12	12/02/04	3508.63	-	19.54	0.00	3489.09
MW - 12	03/08/05	3508.63	-	18.83	0.00	3489.80
MW - 12	06/08/05	3508.63	-	18.31	0.00	3490.32
MW - 12	09/15/05	3508.63	-	18.64	0.00	3489.99
MW - 12	12/12/05	3508.63	-	18.45	0.00	3490.18
MW - 12	03/16/06	3508.63	-	18.40	0.00	3490.23
MW - 12	06/15/06	3508.63	-	18.89	0.00	3489.74
MW - 12	09/18/06	3508.63	-	18.69	0.00	3489.94
MW - 12	11/30/06	3508.63	-	18.69	0.00	3489.94
MW - 12	02/27/07	3508.63	-	18.48	0.00	3490.15
MW - 12	05/22/07	3508.63	-	18.30	0.00	3490.33
MW - 12	08/15/07	3508.63	-	19.03	0.00	3489.60
MW - 12	11/06/07	3508.63	-	18.83	0.00	3489.80
MW - 12	02/12/08	3508.63	-	18.69	0.00	3489.94
MW - 12	06/05/08	3508.63	-	18.70	0.00	3489.93
MW - 12	08/14/08	3508.63	-	0.00	0.00	3508.63
MW - 12	11/12/08	3508.63	-	18.94	0.00	3489.69
MW - 12	02/10/09	3508.63	-	18.81	0.00	3489.82
MW - 12	05/12/09	3508.63	-	18.76	0.00	3489.87
MW - 12	08/10/09	3508.63	-	19.48	0.00	3489.15
MW - 12	11/18/09	3508.63	-	19.65	0.00	3488.98
MW - 12	01/04/10	3508.63	-	19.54	0.00	3489.09
MW - 12	02/09/10	3508.63	-	19.42	0.00	3489.21
MW - 12	05/12/10	3508.63	-	18.99	0.00	3489.64
MW - 12	08/11/10	3508.63	-	19.00	0.00	3489.63
MW - 12	11/11/10	3508.63	-	19.65	0.00	3488.98
MW - 12	02/16/11	3508.63	-	19.67	0.00	3488.96
MW - 12	05/19/11	3508.63	-	19.70	0.00	3488.93
MW - 12	08/10/11	3508.63	-	20.13	0.00	3488.50
MW - 12	11/14/11	3508.63	-	19.76	0.00	3488.87
MW - 12	02/29/12	3508.63	-	19.46	0.00	3489.17
MW - 12	05/02/12	3508.63	-	19.37	0.00	3489.26
MW - 12	12/06/12	3508.63	-	19.73	0.00	3488.90
MW - 12	02/13/13	3508.63	-	19.60	0.00	3489.03
MW - 12	05/22/13	3508.63	-	19.44	0.00	3489.19
MW - 12	08/12/13	3508.63	-	19.82	0.00	3488.81
MW - 12	11/20/13	3508.63	-	19.89	0.00	3488.74
MW - 12	02/04/14	3509.69	-	19.69	0.00	3490.00
MW - 12	05/14/14	3509.69	-	20.53	0.00	3489.16
MW - 12	07/22/14	3509.69	-	20.16	0.00	3489.53
MW - 12	08/05/14	3509.69	-	20.22	0.00	3489.47
MW - 12	10/27/14	3509.69	-	19.19	0.00	3490.50
MW - 12	11/19/14	3509.69	-	19.14	0.00	3490.55
MW - 12	02/09/15	3509.69	-	19.08	0.00	3490.61
MW - 12	03/20/15	3509.69	-	19.06	0.00	3490.63
MW - 12	04/04/15	3509.69	-	19.03	0.00	3490.66
MW - 12	05/27/15	3509.69	-	18.90	0.00	3490.79
MW - 12	07/09/15	3509.69	-	18.97	0.00	3490.72
MW - 12	08/03/15	3509.69	-	19.26	0.00	3490.43



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 12	09/24/15	3509.69	-	19.49	0.00	3490.20
MW - 12	11/18/15	3509.69	-	19.10	0.00	3490.59
MW - 12	01/08/16	3509.69	-	18.98	0.00	3490.71
MW - 12	02/23/16	3509.69	-	18.90	0.00	3490.79
MW - 12	04/08/16	3509.69	-	18.80	0.00	3490.89
MW - 12	06/06/16	3509.69	-	18.88	0.00	3490.81
MW - 12	06/28/16	3509.69	-	19.13	0.00	3490.56
MW - 12	07/27/16	3509.69	-	19.46	0.00	3490.23
MW - 12	08/03/16	3509.69	-	19.51	0.00	3490.18
MW - 12	09/27/16	3509.69	-	18.54	0.00	3491.15
MW - 12	10/21/16	3509.69	-	18.48	0.00	3491.21
MW - 12	11/08/16	3509.69	-	18.50	0.00	3491.19
MW - 12	01/26/17	3509.69	-	18.52	0.00	3491.17
MW - 12	02/28/17	3509.69	-	18.50	0.00	3491.19
MW - 12	03/15/17	3509.69	-	18.48	0.00	3491.21
MW - 12	05/23/17	3509.69	-	18.50	0.00	3491.19
MW - 12	07/20/17	3509.69	-	19.05	0.00	3490.64
MW - 12	08/16/17	3509.69	-	18.96	0.00	3490.73
MW - 12	09/13/17	3509.69	-	19.03	0.00	3490.66
MW - 12	10/12/17	3509.69	-	18.73	0.00	3490.96
MW - 12	11/13/17	3509.69	-	18.64	0.00	3491.05
MW - 12	12/20/17	3509.69	-	18.57	0.00	3491.12
MW - 12	01/09/18	3509.69	-	18.52	0.00	3491.17
MW - 12	02/07/18	3509.69	-	18.51	0.00	3491.18
MW - 12	03/29/18	3509.69	-	18.46	0.00	3491.23
MW - 12	04/16/18	3509.69	-	18.43	0.00	3491.26
MW - 12	05/21/18	3509.69	-	18.63	0.00	3491.06
MW - 12	06/18/18	3509.69	-	18.92	0.00	3490.77
MW - 12	07/11/18	3509.69	-	19.81	0.00	3489.88
MW - 12	08/08/18	3509.69	-	19.30	0.00	3490.39
MW - 12	09/12/18	3509.69	-	19.36	0.00	3490.33
MW - 12	11/12/18	3509.69	-	19.08	0.00	3490.61
MW - 12	01/09/19	3509.69	-	18.86	0.00	3490.83
MW - 12	02/12/19	3509.69	-	18.82	0.00	3490.87
MW - 12	03/12/19	3509.69	-	18.75	0.00	3490.94
MW - 12	04/01/19	3509.69	-	18.70	0.00	3490.99
MW - 12	05/07/19	3509.69	-	18.62	0.00	3491.07
MW - 12	06/14/19	3509.69	-	18.87	0.00	3490.82
MW - 12	07/11/19	3509.69	-	19.18	0.00	3490.51
MW - 12	08/07/19	3509.69	-	19.37	0.00	3490.32
MW - 12	09/12/19	3509.69	-	19.54	0.00	3490.15
MW - 12	10/15/19	3509.69	-	19.39	0.00	3490.30
MW - 12	11/06/19	3509.69	-	19.26	0.00	3490.43
MW - 12	12/17/19	3509.69	-	19.05	0.00	3490.64
MW - 12	01/06/20	3509.69	-	19.00	0.00	3490.69
MW - 12	03/04/20	3509.69	-	18.90	0.00	3490.79
MW - 12	05/14/20	3509.69	-	18.68	0.00	3491.01
MW - 12	06/17/20	3509.69	-	19.13	0.00	3490.56
MW - 12	07/21/20	3509.69	-	19.42	0.00	3490.27
MW - 12	08/12/20	3509.69	-	19.55	0.00	3490.14
MW - 12	09/14/20	3509.69	-	19.68	0.00	3490.01
MW - 12	12/09/20	3509.69	-	19.78	0.00	3489.91
MW - 12	02/10/21	3509.69	-	19.66	0.00	3490.03
MW - 12	04/21/21	3509.69	-	19.54	0.00	3490.15

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 12	06/09/21	3509.69	-	19.55	0.00	3490.14
MW - 12	09/22/21	3509.69	-	19.87	0.00	3489.82
MW - 12	10/14/21	3509.69	-	19.91	0.00	3489.78
MW - 12	12/06/21	3509.69	-	19.95	0.00	3489.74
MW - 12	03/15/22	3509.69	-	19.83	0.00	3489.86
MW - 12	04/20/22	3509.69	-	19.80	0.00	3489.89
MW - 12	05/09/22	3509.69	-	19.89	0.00	3489.80
MW - 12	08/16/22	3509.69	-	20.33	0.00	3489.36
MW - 12	11/09/22	3509.69	-	20.15	0.00	3489.54
MW - 13	06/20/02	3507.96	-	19.58	0.00	3488.38
MW - 13	09/26/02	3507.96	-	20.05	0.00	3487.91
MW - 13	11/12/02	3507.96	-	19.97	0.00	3487.99
MW - 13	02/12/03	3507.96	-	19.56	0.00	3488.40
MW - 13	05/14/03	3507.96	-	19.63	0.00	3488.33
MW - 13	08/21/03	3507.96	-	20.45	0.00	3487.51
MW - 13	12/10/03	3507.96	-	20.41	0.00	3487.55
MW - 13	02/11/04	3507.96	-	20.49	0.00	3487.47
MW - 13	05/11/04	3507.96	-	19.30	0.00	3488.66
MW - 13	08/25/04	3507.96	-	19.71	0.00	3488.25
MW - 13	12/02/04	3507.96	-	19.02	0.00	3488.94
MW - 13	03/08/05	3507.96	-	18.38	0.00	3489.58
MW - 13	06/08/05	3507.96	-	17.87	0.00	3490.09
MW - 13	09/15/05	3507.96	-	18.13	0.00	3489.83
MW - 13	12/12/05	3507.96	-	17.96	0.00	3490.00
MW - 13	03/16/06	3507.96	-	17.93	0.00	3490.03
MW - 13	06/15/06	3507.96	-	18.39	0.00	3489.57
MW - 13	09/18/06	3507.96	-	18.19	0.00	3489.77
MW - 13	11/30/06	3507.96	-	18.16	0.00	3489.80
MW - 13	02/27/07	3507.96	-	18.01	0.00	3489.95
MW - 13	05/22/07	3507.96	-	17.80	0.00	3490.16
MW - 13	08/15/07	3507.96	-	18.53	0.00	3489.43
MW - 13	11/06/07	3507.96	-	18.31	0.00	3489.65
MW - 13	02/12/08	3507.96	-	18.18	0.00	3489.78
MW - 13	05/13/08	3507.96	-	18.13	0.00	3489.83
MW - 13	08/14/08	3507.96	-	18.92	0.00	3489.04
MW - 13	11/12/08	3507.96	-	18.45	0.00	3489.51
MW - 13	02/10/09	3507.96	-	18.29	0.00	3489.67
MW - 13	05/12/09	3507.96	-	18.24	0.00	3489.72
MW - 13	08/10/09	3507.96	-	18.96	0.00	3489.00
MW - 13	11/18/09	3507.96	-	19.14	0.00	3488.82
MW - 13	01/04/10	3507.96	-	19.02	0.00	3488.94
MW - 13	02/09/10	3507.96	-	18.91	0.00	3489.05
MW - 13	08/11/10	3507.96	-	18.52	0.00	3489.44
MW - 13	11/11/10	3507.96	-	19.16	0.00	3488.80
MW - 13	02/16/11	3507.96	-	19.19	0.00	3488.77
MW - 13	05/19/11	3507.96	-	19.17	0.00	3488.79
MW - 13	08/10/11	3507.96	-	19.25	0.00	3488.71
MW - 13	11/14/11	3507.96	-	19.24	0.00	3488.72
MW - 13	02/29/12	3507.96	-	18.96	0.00	3489.00
MW - 13	05/02/12	3507.96	-	18.96	0.00	3489.00
MW - 13	12/06/12	3507.96	-	19.23	0.00	3488.73
MW - 13	02/13/13	3507.96	-	19.12	0.00	3488.84
MW - 13	05/22/13	3507.96	-	19.50	0.00	3488.46

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	08/12/13	3507.96	-	19.84	0.00	3488.12
MW - 13	11/20/13	3507.96	-	19.91	0.00	3488.05
MW - 13	02/04/14	3509.57	-	19.72	0.00	3489.85
MW - 13	05/14/14	3509.57	-	19.57	0.00	3490.00
MW - 13	07/22/14	3509.57	-	20.17	0.00	3489.40
MW - 13	08/05/14	3509.57	-	20.24	0.00	3489.33
MW - 13	10/27/14	3509.57	-	19.14	0.00	3490.43
MW - 13	11/19/14	3509.57	-	19.12	0.00	3490.45
MW - 13	02/09/15	3509.57	-	19.10	0.00	3490.47
MW - 13	03/20/15	3509.57	-	19.08	0.00	3490.49
MW - 13	04/04/15	3509.57	-	19.07	0.00	3490.50
MW - 13	05/27/15	3509.57	-	18.93	0.00	3490.64
MW - 13	07/09/15	3509.57	-	18.97	0.00	3490.60
MW - 13	08/03/15	3509.57	-	19.25	0.00	3490.32
MW - 13	09/24/15	3509.57	-	19.49	0.00	3490.08
MW - 13	11/18/15	3509.57	-	19.12	0.00	3490.45
MW - 13	01/08/16	3509.57	-	19.01	0.00	3490.56
MW - 13	02/23/16	3509.57	-	18.93	0.00	3490.64
MW - 13	04/08/16	3509.57	-	18.84	0.00	3490.73
MW - 13	06/06/16	3509.57	-	18.89	0.00	3490.68
MW - 13	06/28/16	3509.57	-	19.13	0.00	3490.44
MW - 13	07/27/16	3509.57	-	19.44	0.00	3490.13
MW - 13	08/03/16	3509.57	-	19.49	0.00	3490.08
MW - 13	09/27/16	3509.57	-	18.44	0.00	3491.13
MW - 13	10/21/16	3509.57	-	18.44	0.00	3491.13
MW - 13	11/08/16	3509.57	-	18.48	0.00	3491.09
MW - 13	01/26/17	3509.57	-	18.53	0.00	3491.04
MW - 13	02/28/17	3509.57	-	18.51	0.00	3491.06
MW - 13	03/15/17	3509.57	-	18.49	0.00	3491.08
MW - 13	05/23/17	3509.57	-	18.50	0.00	3491.07
MW - 13	07/20/17	3509.57	-	19.05	0.00	3490.52
MW - 13	08/16/17	3509.57	-	18.98	0.00	3490.59
MW - 13	09/13/17	3509.57	-	18.81	0.00	3490.76
MW - 13	10/12/17	3509.57	-	18.74	0.00	3490.83
MW - 13	11/13/17	3509.57	-	18.65	0.00	3490.92
MW - 13	12/20/17	3509.57	-	18.58	0.00	3490.99
MW - 13	01/09/18	3509.57	-	18.55	0.00	3491.02
MW - 13	02/07/18	3509.57	-	18.54	0.00	3491.03
MW - 13	03/29/18	3509.57	-	18.49	0.00	3491.08
MW - 13	04/16/18	3509.57	-	18.46	0.00	3491.11
MW - 13	05/21/18	3509.57	-	18.65	0.00	3490.92
MW - 13	06/18/18	3509.57	-	18.93	0.00	3490.64
MW - 13	07/11/18	3509.57	-	19.10	0.00	3490.47
MW - 13	08/08/18	3509.57	-	19.29	0.00	3490.28
MW - 13	11/12/18	3509.57	-	19.10	0.00	3490.47
MW - 13	01/09/19	3509.57	-	18.89	0.00	3490.68
MW - 13	02/12/19	3509.57	-	18.85	0.00	3490.72
MW - 13	03/12/19	3509.57	-	18.78	0.00	3490.79
MW - 13	04/01/19	3509.57	-	18.73	0.00	3490.84
MW - 13	05/07/19	3509.57	-	18.65	0.00	3490.92
MW - 13	06/14/19	3509.57	-	18.89	0.00	3490.68
MW - 13	07/11/19	3509.57	-	19.19	0.00	3490.38
MW - 13	08/07/19	3509.57	-	19.37	0.00	3490.20
MW - 13	09/12/19	3509.57	-	19.54	0.00	3490.03

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 13	10/15/19	3509.57	-	19.39	0.00	3490.18
MW - 13	11/06/19	3509.57	-	19.21	0.00	3490.36
MW - 13	12/17/19	3509.57	-	19.08	0.00	3490.49
MW - 13	01/06/20	3509.57	-	19.02	0.00	3490.55
MW - 13	03/04/20	3509.57	-	18.92	0.00	3490.65
MW - 13	05/14/20	3509.57	-	18.70	0.00	3490.87
MW - 13	06/17/20	3509.57	-	19.12	0.00	3490.45
MW - 13	07/21/20	3509.57	-	19.42	0.00	3490.15
MW - 13	08/12/20	3509.57	-	19.55	0.00	3490.02
MW - 13	09/14/20	3509.57	-	19.68	0.00	3489.89
MW - 13	12/09/20	3509.57	-	19.79	0.00	3489.78
MW - 13	01/13/21	3509.57	-	19.75	0.00	3489.82
MW - 13	02/10/21	3509.57	-	19.68	0.00	3489.89
MW - 13	04/21/21	3509.57	-	19.57	0.00	3490.00
MW - 13	06/09/21	3509.57	-	19.58	0.00	3489.99
MW - 13	09/22/21	3509.57	-	19.87	0.00	3489.70
MW - 13	10/14/21	3509.57	-	19.91	0.00	3489.66
MW - 13	12/06/21	3509.57	-	19.96	0.00	3489.61
MW - 13	03/14/22	3509.57	-	19.85	0.00	3489.72
MW - 13	04/20/22	3509.57	-	19.83	0.00	3489.74
MW - 13	05/09/22	3509.57	-	19.91	0.00	3489.66
MW - 13	08/16/22	3509.57	-	20.32	0.00	3489.25
MW - 13	11/09/22	3509.57	-	20.16	0.00	3489.41
MW - 14	06/20/02	3507.46	19.57	20.52	0.95	3487.75
MW - 14	09/26/02	3507.46	19.74	21.62	1.88	3487.44
MW - 14	11/12/02	3507.46	19.81	22.04	2.23	3487.32
MW - 14	01/07/03	3507.46	19.52	22.06	2.54	3487.56
MW - 14	01/27/03	3507.46	19.57	20.92	1.35	3487.69
MW - 14	02/26/03	3507.46	19.53	20.37	0.84	3487.80
MW - 14	03/11/03	3507.46	19.61	20.43	0.82	3487.73
MW - 14	03/19/03	3507.46	19.58	20.40	0.82	3487.76
MW - 14	03/25/03	3507.46	19.54	20.53	0.99	3487.77
MW - 14	04/16/03	3507.46	19.55	20.12	0.57	3487.82
MW - 14	04/23/03	3507.46	19.51	20.36	0.85	3487.82
MW - 14	04/29/03	3507.46	19.49	20.35	0.86	3487.84
MW - 14	05/14/03	3507.46	19.63	20.55	0.92	3487.69
MW - 14	05/27/03	3507.46	19.80	20.81	1.01	3487.51
MW - 14	06/04/03	3507.46	19.18	20.36	1.18	3488.10
MW - 14	06/26/03	3507.46	19.42	19.98	0.56	3487.96
MW - 14	07/07/03	3507.46	20.20	21.08	0.88	3487.13
MW - 14	07/30/03	3507.46	20.24	21.17	0.93	3487.08
MW - 14	08/06/03	3507.46	20.47	21.55	1.08	3486.83
MW - 14	08/21/03	3507.46	20.66	21.18	0.52	3486.72
MW - 14	08/26/03	3507.46	20.72	21.75	1.03	3486.59
MW - 14	09/08/03	3507.46	20.62	21.16	0.54	3486.76
MW - 14	09/15/03	3507.46	21.02	21.40	0.38	3486.38
MW - 14	09/24/03	3507.46	20.89	21.60	0.71	3486.46
MW - 14	10/02/03	3507.46	20.73	21.84	1.11	3486.56
MW - 14	10/08/03	3507.46	20.63	21.07	0.44	3486.76
MW - 14	10/16/03	3507.46	20.93	22.06	1.13	3486.36
MW - 14	10/28/03	3507.46	21.00	22.09	1.09	3486.30
MW - 14	11/11/03	3507.46	21.07	22.10	1.03	3486.24
MW - 14	11/18/03	3507.46	20.78	21.78	1.00	3486.53

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	12/10/03	3507.46	20.62	21.23	0.61	3486.75
MW - 14	02/02/04	3507.46	21.00	22.05	1.05	3486.30
MW - 14	02/26/04	3507.46	20.59	21.67	1.08	3486.71
MW - 14	03/16/04	3507.46	20.75	21.94	1.19	3486.53
MW - 14	03/19/04	3507.46	20.76	21.94	1.18	3486.52
MW - 14	03/25/04	3507.46	20.75	21.90	1.15	3486.54
MW - 14	04/01/04	3507.46	20.69	22.04	1.35	3486.57
MW - 14	04/08/04	3507.46	20.70	21.84	1.14	3486.59
MW - 14	04/14/04	3507.46	19.91	21.78	1.87	3487.27
MW - 14	04/16/04	3507.46	20.03	21.91	1.88	3487.15
MW - 14	04/22/04	3507.46	19.17	21.12	1.95	3488.00
MW - 14	04/29/04	3507.46	19.16	21.27	2.11	3487.98
MW - 14	05/11/04	3507.46	19.09	21.53	2.44	3488.00
MW - 14	06/08/04	3507.46	19.21	21.94	2.73	3487.84
MW - 14	06/17/04	3507.46	19.16	21.89	2.73	3487.89
MW - 14	06/22/04	3507.46	19.19	21.87	2.68	3487.87
MW - 14	06/29/04	3507.46	19.17	21.90	2.73	3487.88
MW - 14	07/06/04	3507.46	19.18	22.15	2.97	3487.83
MW - 14	07/13/04	3507.46	19.22	22.17	2.95	3487.80
MW - 14	07/20/04	3507.46	19.37	22.42	3.05	3487.63
MW - 14	08/04/04	3507.46	19.36	22.43	3.07	3487.64
MW - 14	08/10/04	3507.46	19.39	22.41	3.02	3487.62
MW - 14	08/16/04	3507.46	sheen	19.57	0.00	3487.89
MW - 14	08/23/04	3507.46	19.50	22.00	2.50	3487.59
MW - 14	08/25/04	3507.46	19.50	21.63	2.13	3487.64
MW - 14	08/26/04	3507.46	19.51	21.53	2.02	3487.65
MW - 14	08/31/04	3507.46	19.96	21.96	2.00	3487.20
MW - 14	09/13/04	3507.46	19.76	20.61	0.85	3487.57
MW - 14	09/20/04	3507.46	19.83	21.20	1.37	3487.42
MW - 14	09/30/04	3507.46	19.89	21.14	1.25	3487.38
MW - 14	10/04/04	3507.46	19.32	20.21	0.89	3488.01
MW - 14	10/11/04	3507.46	18.98	19.79	0.81	3488.36
MW - 14	10/18/04	3507.46	19.57	20.09	0.52	3487.81
MW - 14	10/26/04	3507.46	19.50	20.10	0.60	3487.87
MW - 14	11/02/04	3507.46	19.00	19.99	0.99	3488.31
MW - 14	11/08/04	3507.46	19.00	21.30	2.30	3488.12
MW - 14	11/15/04	3507.46	18.94	21.00	2.06	3488.21
MW - 14	12/01/04	3507.46	18.90	21.09	2.19	3488.23
MW - 14	12/02/04	3507.46	18.90	21.10	2.20	3488.23
MW - 14	12/14/04	3507.46	18.77	21.00	2.23	3488.36
MW - 14	12/21/04	3507.46	18.70	21.22	2.52	3488.38
MW - 14	12/29/04	3507.46	18.73	21.10	2.37	3488.37
MW - 14	01/11/05	3507.46	18.69	20.73	2.04	3488.46
MW - 14	01/14/05	3507.46	18.93	21.00	2.07	3488.22
MW - 14	01/18/05	3507.46	18.85	21.26	2.41	3488.25
MW - 14	01/21/05	3507.46	18.49	20.95	2.46	3488.60
MW - 14	01/25/05	3507.46	18.44	21.26	2.82	3488.60
MW - 14	01/28/05	3507.46	18.59	20.39	1.80	3488.60
MW - 14	02/02/05	3507.46	18.46	21.01	2.55	3488.62
MW - 14	02/05/05	3507.46	18.88	20.27	1.39	3488.37
MW - 14	02/08/05	3507.46	18.40	20.75	2.35	3488.71
MW - 14	02/11/05	3507.46	18.49	20.40	1.91	3488.68
MW - 14	02/15/05	3507.46	18.40	20.60	2.20	3488.73
MW - 14	02/18/05	3507.46	18.61	20.11	1.50	3488.63

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	02/22/05	3507.46	18.39	20.39	2.00	3488.77
MW - 14	02/25/05	3507.46	18.38	20.11	1.73	3488.82
MW - 14	03/01/05	3507.46	18.33	20.23	1.90	3488.85
MW - 14	03/04/05	3507.46	18.37	19.96	1.59	3488.85
MW - 14	03/08/05	3507.46	18.31	20.11	1.80	3488.88
MW - 14	03/08/05	3507.46	18.31	20.11	1.80	3488.88
MW - 14	03/11/05	3507.46	18.50	19.00	0.50	3488.89
MW - 14	03/15/05	3507.46	18.43	19.11	0.68	3488.93
MW - 14	03/18/05	3507.46	18.46	19.06	0.60	3488.91
MW - 14	03/22/05	3507.46	18.38	18.92	0.54	3489.00
MW - 14	03/28/05	3507.46	18.29	18.98	0.69	3489.07
MW - 14	04/01/05	3507.46	18.32	19.03	0.71	3489.03
MW - 14	04/05/05	3507.46	18.19	19.11	0.92	3489.13
MW - 14	04/08/05	3507.46	18.14	19.04	0.90	3489.19
MW - 14	04/15/05	3507.46	18.17	19.00	0.83	3489.17
MW - 14	05/25/05	3507.46	17.90	19.50	1.60	3489.32
MW - 14	05/27/05	3507.46	18.22	19.06	0.84	3489.11
MW - 14	05/31/05	3507.46	18.01	18.67	0.66	3489.35
MW - 14	06/03/05	3507.46	17.95	18.60	0.65	3489.41
MW - 14	06/06/05	3507.46	17.94	18.44	0.50	3489.45
MW - 14	06/08/05	3507.46	17.94	18.44	0.50	3489.45
MW - 14	06/13/05	3507.46	17.94	18.36	0.42	3489.46
MW - 14	06/20/05	3507.46	17.95	18.55	0.60	3489.42
MW - 14	06/24/05	3507.46	17.93	18.70	0.77	3489.41
MW - 14	06/27/05	3507.46	17.99	18.55	0.56	3489.39
MW - 14	07/11/05	3507.46	17.97	19.31	1.34	3489.29
MW - 14	07/15/05	3507.46	18.20	18.99	0.79	3489.14
MW - 14	07/18/05	3507.46	18.05	19.56	1.51	3489.18
MW - 14	07/21/05	3507.46	18.25	18.95	0.70	3489.11
MW - 14	07/25/05	3507.46	18.15	19.80	1.65	3489.06
MW - 14	08/01/05	3507.46	18.16	19.44	1.28	3489.11
MW - 14	08/04/05	3507.46	18.39	18.81	0.42	3489.01
MW - 14	08/12/05	3507.46	18.52	19.98	1.46	3488.72
MW - 14	08/15/05	3507.46	18.20	19.85	1.65	3489.01
MW - 14	08/23/05	3507.46	18.08	19.15	1.07	3489.22
MW - 14	08/30/05	3507.46	18.10	18.90	0.80	3489.24
MW - 14	09/06/05	3507.46	17.90	19.74	1.84	3489.28
MW - 14	09/13/05	3507.46	17.90	19.90	2.00	3489.26
MW - 14	09/15/05	3507.46	17.96	19.52	1.56	3489.27
MW - 14	09/19/05	3507.46	17.96	18.91	0.95	3489.36
MW - 14	09/27/05	3507.46	17.90	20.20	2.30	3489.22
MW - 14	10/03/05	3507.46	18.29	19.10	0.81	3489.05
MW - 14	10/08/05	3507.46	18.81	19.69	0.88	3488.52
MW - 14	10/10/05	3507.46	17.97	19.80	1.83	3489.22
MW - 14	10/17/05	3507.46	17.82	20.21	2.39	3489.28
MW - 14	10/24/05	3507.46	17.95	20.05	2.10	3489.20
MW - 14	10/31/05	3507.46	18.05	19.82	1.77	3489.14
MW - 14	11/15/05	3507.46	17.90	19.90	2.00	3489.26
MW - 14	11/22/05	3507.46	17.90	19.23	1.33	3489.36
MW - 14	11/27/05	3507.46	17.92	18.80	0.88	3489.41
MW - 14	12/07/05	3507.46	17.93	18.68	0.75	3489.42
MW - 14	12/12/05	3507.46	17.89	18.96	1.07	3489.41
MW - 14	12/16/05	3507.46	17.80	19.00	1.20	3489.48
MW - 14	12/22/05	3507.46	17.99	19.00	1.01	3489.32

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	12/27/05	3507.46	17.90	18.82	0.92	3489.42
MW - 14	01/03/06	3507.46	17.90	18.80	0.90	3489.43
MW - 14	01/09/06	3507.46	17.95	18.60	0.65	3489.41
MW - 14	01/16/06	3507.46	17.93	18.76	0.83	3489.41
MW - 14	01/23/06	3507.46	17.94	18.63	0.69	3489.42
MW - 14	01/30/06	3507.46	17.99	18.60	0.61	3489.38
MW - 14	02/06/06	3507.46	17.95	18.85	0.90	3489.38
MW - 14	02/14/06	3507.46	17.90	18.61	0.71	3489.45
MW - 14	02/21/06	3507.46	17.86	18.66	0.80	3489.48
MW - 14	03/01/06	3507.46	17.89	18.61	0.72	3489.46
MW - 14	03/06/06	3507.46	17.90	18.42	0.52	3489.48
MW - 14	03/16/06	3507.46	17.91	18.48	0.57	3489.46
MW - 14	03/17/06	3507.46	17.90	18.80	0.90	3489.43
MW - 14	03/21/06	3507.46	17.90	18.90	1.00	3489.41
MW - 14	03/28/06	3507.46	17.93	18.81	0.88	3489.40
MW - 14	04/03/06	3507.46	17.83	18.42	0.59	3489.54
MW - 14	04/10/06	3507.46	17.81	18.45	0.64	3489.55
MW - 14	04/17/06	3507.46	17.82	18.48	0.66	3489.54
MW - 14	05/01/06	3507.46	17.74	18.50	0.76	3489.61
MW - 14	05/08/06	3507.46	17.81	18.67	0.86	3489.52
MW - 14	05/15/06	3507.46	17.86	18.41	0.55	3489.52
MW - 14	05/30/06	3507.46	18.18	20.11	1.93	3488.99
MW - 14	06/05/06	3507.46	18.15	19.51	1.36	3489.11
MW - 14	06/12/06	3507.46	18.34	19.44	1.10	3488.96
MW - 14	06/15/06	3507.46	16.02	19.24	3.22	3490.96
MW - 14	06/19/06	3507.46	18.31	19.58	1.27	3488.96
MW - 14	07/03/06	3507.46	18.41	19.78	1.37	3488.84
MW - 14	07/10/06	3507.46	18.39	19.46	1.07	3488.91
MW - 14	07/17/06	3507.46	18.24	19.51	1.27	3489.03
MW - 14	07/26/06	3507.46	18.31	20.10	1.79	3488.88
MW - 14	07/31/06	3507.46	18.39	19.58	1.19	3488.89
MW - 14	08/07/06	3507.46	18.46	19.59	1.13	3488.83
MW - 14	08/17/06	3507.46	18.43	18.96	0.53	3488.95
MW - 14	08/21/06	3507.46	18.46	18.91	0.45	3488.93
MW - 14	09/06/06	3507.46	17.91	20.28	2.37	3489.19
MW - 14	09/11/06	3507.46	17.91	19.79	1.88	3489.27
MW - 14	09/18/06	3507.46	17.92	19.74	1.82	3489.27
MW - 14	09/25/06	3507.46	17.91	20.18	2.27	3489.21
MW - 14	10/02/06	3507.46	17.89	20.16	2.27	3489.23
MW - 14	10/09/06	3507.46	17.90	20.50	2.60	3489.17
MW - 14	10/17/06	3507.46	18.20	19.44	1.24	3489.07
MW - 14	10/23/06	3507.46	17.91	20.04	2.13	3489.23
MW - 14	10/30/06	3507.46	17.90	20.00	2.10	3489.25
MW - 14	11/06/06	3507.46	17.94	20.26	2.32	3489.17
MW - 14	11/12/06	3507.46	18.10	19.79	1.69	3489.11
MW - 14	11/20/06	3507.46	17.98	19.52	1.54	3489.25
MW - 14	11/27/06	3507.46	17.91	19.76	1.85	3489.27
MW - 14	11/30/06	3507.46	18.02	19.30	1.28	3489.25
MW - 14	12/04/06	3507.46	18.02	19.85	1.83	3489.17
MW - 14	12/12/06	3507.46	18.11	19.24	1.13	3489.18
MW - 14	12/18/06	3507.46	17.98	19.02	1.04	3489.32
MW - 14	01/02/07	3507.46	17.97	19.03	1.06	3489.33
MW - 14	01/11/07	3507.46	17.94	18.78	0.84	3489.39
MW - 14	01/18/07	3507.46	17.96	18.68	0.72	3489.39

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	01/22/07	3507.46	17.98	18.87	0.89	3489.35
MW - 14	02/05/07	3507.46	17.97	18.72	0.75	3489.38
MW - 14	02/12/07	3507.46	17.88	18.60	0.72	3489.47
MW - 14	02/19/07	3507.46	17.90	18.56	0.66	3489.46
MW - 14	02/27/07	3507.46	17.72	18.90	1.18	3489.56
MW - 14	03/05/07	3507.46	18.01	18.97	0.96	3489.31
MW - 14	03/12/07	3507.46	17.89	18.55	0.66	3489.47
MW - 14	03/19/07	3507.46	17.88	18.59	0.71	3489.47
MW - 14	04/02/07	3507.46	17.89	19.13	1.24	3489.38
MW - 14	04/09/07	3507.46	17.81	18.51	0.70	3489.55
MW - 14	05/01/07	3507.46	17.84	18.96	1.12	3489.45
MW - 14	05/12/07	3507.46	17.80	18.96	1.16	3489.49
MW - 14	05/17/07	3507.46	17.64	18.55	0.91	3489.68
MW - 14	05/21/07	3507.46	17.64	19.01	1.37	3489.61
MW - 14	05/22/07	3507.46	17.64	19.01	1.37	3489.61
MW - 14	06/01/07	3507.46	17.64	18.74	1.10	3489.66
MW - 14	06/06/07	3507.46	17.61	18.78	1.17	3489.67
MW - 14	06/11/07	3507.46	17.74	18.95	1.21	3489.54
MW - 14	06/19/07	3507.46	17.77	18.72	0.95	3489.55
MW - 14	06/25/07	3507.46	17.86	18.62	0.76	3489.49
MW - 14	07/03/07	3507.46	18.03	18.84	0.81	3489.31
MW - 14	07/11/07	3507.46	18.24	19.23	0.99	3489.07
MW - 14	07/18/07	3507.46	18.24	19.23	0.99	3489.07
MW - 14	07/23/07	3507.46	18.21	19.11	0.90	3489.12
MW - 14	07/31/07	3507.46	18.31	19.96	1.65	3488.90
MW - 14	08/14/07	3507.46	18.31	19.71	1.40	3488.94
MW - 14	08/15/07	3507.46	18.37	19.01	0.64	3488.99
MW - 14	08/25/07	3507.46	18.39	19.51	1.12	3488.90
MW - 14	09/05/07	3507.46	18.46	19.86	1.40	3488.79
MW - 14	09/10/07	3507.46	18.40	19.26	0.86	3488.93
MW - 14	09/17/07	3507.46	18.11	19.31	1.20	3489.17
MW - 14	09/24/07	3507.46	18.03	19.46	1.43	3489.22
MW - 14	11/05/07	3507.46	18.02	20.13	2.11	3489.12
MW - 14	11/06/07	3507.46	18.13	19.59	1.46	3489.11
MW - 14	11/12/07	3507.46	18.10	19.76	1.66	3489.11
MW - 14	11/19/07	3507.46	18.10	19.25	1.15	3489.19
MW - 14	11/30/07	3507.46	18.13	18.93	0.80	3489.21
MW - 14	12/03/07	3507.46	18.14	18.78	0.64	3489.22
MW - 14	12/14/07	3507.46	18.11	18.57	0.46	3489.28
MW - 14	12/17/07	3507.46	18.13	18.72	0.59	3489.24
MW - 14	01/09/08	3507.46	18.04	18.85	0.81	3489.30
MW - 14	01/16/08	3507.46	18.10	18.88	0.78	3489.24
MW - 14	01/30/08	3507.46	18.01	18.90	0.89	3489.32
MW - 14	02/08/08	3507.46	18.13	19.06	0.93	3489.19
MW - 14	02/12/08	3507.46	18.05	18.72	0.67	3489.31
MW - 14	02/14/08	3507.46	18.06	18.75	0.69	3489.30
MW - 14	02/20/08	3507.46	18.01	18.56	0.55	3489.37
MW - 14	02/28/08	3507.46	18.02	18.69	0.67	3489.34
MW - 14	03/05/08	3507.46	18.02	18.60	0.58	3489.35
MW - 14	03/13/08	3507.45	18.00	18.64	0.64	3489.35
MW - 14	03/19/08	3507.46	18.04	18.62	0.58	3489.33
MW - 14	03/24/08	3507.46	18.02	18.63	0.61	3489.35
MW - 14	04/02/08	3507.46	18.02	18.59	0.57	3489.35
MW - 14	04/07/08	3507.46	17.99	18.31	0.32	3489.42



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	04/14/08	3507.46	18.02	18.45	0.43	3489.38
MW - 14	04/23/08	3507.46	17.98	18.51	0.53	3489.40
MW - 14	05/07/08	3507.46	18.00	18.51	0.51	3489.38
MW - 14	05/13/08	3507.46	18.00	18.51	0.51	3489.38
MW - 14	05/14/08	3507.46	18.00	18.55	0.55	3489.38
MW - 14	05/19/08	3507.46	18.02	18.55	0.53	3489.36
MW - 14	06/09/08	3507.46	18.28	18.98	0.70	3489.08
MW - 14	06/16/08	3507.46	18.02	19.07	1.05	3489.28
MW - 14	06/23/08	3507.46	18.45	19.43	0.98	3488.86
MW - 14	06/30/08	3507.46	18.53	19.25	0.72	3488.82
MW - 14	07/14/08	3507.46	18.54	19.58	1.04	3488.76
MW - 14	07/22/08	3507.46	18.74	20.02	1.28	3488.53
MW - 14	07/29/08	3507.46	18.64	19.31	0.67	3488.72
MW - 14	08/04/08	3507.46	18.66	19.79	1.13	3488.63
MW - 14	08/11/08	3507.46	18.72	19.53	0.81	3488.62
MW - 14	08/14/08	3507.46	18.76	19.49	0.73	3488.59
MW - 14	08/18/08	3507.46	18.72	19.46	0.74	3488.63
MW - 14	08/28/08	3507.46	18.63	19.61	0.98	3488.68
MW - 14	09/02/08	3507.46	18.52	19.46	0.94	3488.80
MW - 14	9/17/008	3507.46	18.29	20.26	1.97	3488.87
MW - 14	09/29/08	3507.46	18.32	20.26	1.94	3488.85
MW - 14	10/06/08	3507.46	18.30	20.02	1.72	3488.90
MW - 14	10/13/08	3507.46	18.36	19.82	1.46	3488.88
MW - 14	10/20/08	3507.46	18.23	19.80	1.57	3488.99
MW - 14	10/29/08	3507.46	18.31	19.34	1.03	3489.00
MW - 14	10/30/08	3507.46	18.33	18.78	0.45	3489.06
MW - 14	11/06/08	3507.46	18.29	19.10	0.81	3489.05
MW - 14	11/12/08	3507.46	18.29	19.01	0.72	3489.06
MW - 14	11/13/08	3507.46	18.29	19.01	0.72	3489.06
MW - 14	12/16/08	3507.46	18.35	19.26	0.91	3488.97
MW - 14	12/19/08	3507.46	18.27	18.93	0.66	3489.09
MW - 14	12/22/08	3507.46	18.22	18.94	0.72	3489.13
MW - 14	01/06/09	3507.46	18.20	18.99	0.79	3489.14
MW - 14	01/12/09	3507.46	18.24	18.81	0.57	3489.13
MW - 14	01/19/09	3507.46	18.15	18.61	0.46	3489.24
MW - 14	01/22/09	3507.46	18.24	18.69	0.45	3489.15
MW - 14	01/26/09	3507.46	18.24	18.73	0.49	3489.15
MW - 14	02/10/09	3507.46	18.15	18.77	0.62	3489.22
MW - 14	02/13/09	3507.46	18.21	18.68	0.47	3489.18
MW - 14	02/16/09	3507.46	18.25	18.69	0.44	3489.14
MW - 14	02/24/09	3507.46	18.30	18.71	0.41	3489.10
MW - 14	03/02/09	3507.46	18.17	18.51	0.34	3489.24
MW - 14	03/05/09	3507.46	18.15	19.00	0.85	3489.18
MW - 14	03/09/09	3507.46	18.17	18.76	0.59	3489.20
MW - 14	03/16/09	3507.46	18.20	18.75	0.55	3489.18
MW - 14	03/19/09	3507.46	18.21	18.47	0.26	3489.21
MW - 14	03/25/09	3507.46	18.22	18.46	0.24	3489.20
MW - 14	03/30/09	3507.46	18.23	18.47	0.24	3489.19
MW - 14	04/13/09	3507.46	18.12	18.91	0.79	3489.22
MW - 14	04/16/09	3507.46	18.26	18.40	0.14	3489.18
MW - 14	04/21/09	3507.46	18.26	18.39	0.13	3489.18
MW - 14	04/27/09	3507.46	18.05	18.63	0.58	3489.32
MW - 14	04/30/09	3507.46	18.26	18.37	0.11	3489.18
MW - 14	05/06/09	3507.46	18.25	18.36	0.11	3489.19

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	05/12/09	3507.46	18.19	18.43	0.24	3489.23
MW - 14	05/19/09	3507.46	18.19	18.71	0.52	3489.19
MW - 14	05/19/09	3507.46	18.30	18.79	0.49	3489.09
MW - 14	06/01/09	3507.46	18.34	18.78	0.44	3489.05
MW - 14	06/05/09	3507.46	18.38	18.80	0.42	3489.02
MW - 14	06/12/09	3507.46	18.39	18.84	0.45	3489.00
MW - 14	06/15/09	3507.46	18.42	18.88	0.46	3488.97
MW - 14	06/22/09	3507.46	18.46	19.01	0.55	3488.92
MW - 14	06/24/09	3507.46	18.50	18.89	0.39	3488.90
MW - 14	06/29/09	3507.46	18.62	19.14	0.52	3488.76
MW - 14	07/06/09	3507.46	18.64	19.20	0.56	3488.74
MW - 14	07/09/09	3507.46	18.21	18.71	0.50	3489.18
MW - 14	07/13/09	3507.46	18.22	18.69	0.47	3489.17
MW - 14	07/20/09	3507.46	18.23	18.70	0.47	3489.16
MW - 14	07/23/09	3507.46	18.75	19.23	0.48	3488.64
MW - 14	07/27/09	3507.46	18.76	19.22	0.46	3488.63
MW - 14	07/29/09	3507.46	18.69	19.90	1.21	3488.59
MW - 14	08/03/09	3507.46	18.68	19.76	1.08	3488.62
MW - 14	08/10/09	3507.46	18.67	19.76	1.09	3488.63
MW - 14	08/10/09	3507.46	18.67	19.76	1.09	3488.63
MW - 14	08/18/09	3507.46	18.80	20.00	1.20	3488.48
MW - 14	08/24/09	3507.46	18.79	20.05	1.26	3488.48
MW - 14	08/28/09	3507.46	18.80	19.87	1.07	3488.50
MW - 14	08/31/09	3507.46	18.86	19.66	0.80	3488.48
MW - 14	09/02/09	3507.46	18.85	19.43	0.58	3488.52
MW - 14	09/08/09	3507.46	18.92	19.75	0.83	3488.42
MW - 14	09/10/09	3507.46	18.92	19.86	0.94	3488.40
MW - 14	09/16/09	3507.46	18.89	19.79	0.90	3488.44
MW - 14	09/18/09	3507.46	18.90	19.80	0.90	3488.43
MW - 14	09/22/09	3507.46	18.94	19.67	0.73	3488.41
MW - 14	09/28/09	3507.46	18.74	19.85	1.11	3488.55
MW - 14	10/09/09	3507.46	18.97	20.59	1.62	3488.25
MW - 14	10/12/09	3507.46	18.22	18.68	0.46	3489.17
MW - 14	10/15/09	3507.46	18.98	20.17	1.19	3488.30
MW - 14	10/20/09	3507.46	18.97	20.01	1.04	3488.33
MW - 14	10/26/09	3507.46	18.23	18.67	0.44	3489.16
MW - 14	10/28/09	3507.46	18.98	19.92	0.94	3488.34
MW - 14	11/03/09	3507.46	18.99	19.69	0.70	3488.37
MW - 14	11/12/09	3507.46	18.95	19.90	0.95	3488.37
MW - 14	11/18/09	3507.46	19.00	19.62	0.62	3488.37
MW - 14	12/03/09	3507.46	18.96	19.95	0.99	3488.35
MW - 14	12/11/09	3507.46	18.93	19.94	1.01	3488.38
MW - 14	12/16/09	3507.46	18.92	19.77	0.85	3488.41
MW - 14	12/21/09	3507.46	19.10	20.11	1.01	3488.21
MW - 14	12/28/09	3507.46	18.92	19.37	0.45	3488.47
MW - 14	01/04/10	3507.46	18.94	19.69	0.75	3488.41
MW - 14	01/14/10	3507.46	18.88	19.70	0.82	3488.46
MW - 14	01/20/10	3507.46	18.85	19.66	0.81	3488.49
MW - 14	01/25/10	3507.46	18.84	19.20	0.36	3488.57
MW - 14	01/27/10	3507.46	18.85	19.47	0.62	3488.52
MW - 14	02/01/10	3507.46	18.86	19.33	0.47	3488.53
MW - 14	02/08/10	3507.46	18.79	19.21	0.42	3488.61
MW - 14	02/08/10	3507.46	sheen	19.97	0.00	3487.49
MW - 14	02/09/10	3507.46	18.89	19.24	0.35	3488.52
MW - 14	02/19/10	3507.46	18.72	19.23	0.51	3488.66

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	02/26/10	3507.46	18.79	19.22	0.43	3488.61
MW - 14	03/01/10	3507.46	18.82	19.19	0.37	3488.58
MW - 14	03/04/10	3507.46	18.72	19.13	0.41	3488.68
MW - 14	03/08/10	3507.46	18.72	19.05	0.33	3488.69
MW - 14	03/11/10	3507.46	18.69	18.96	0.27	3488.73
MW - 14	03/15/10	3507.46	18.72	19.16	0.44	3488.67
MW - 14	03/17/10	3507.46	18.66	18.92	0.26	3488.76
MW - 14	03/22/10	3507.46	18.68	18.89	0.21	3488.75
MW - 14	03/29/10	3507.46	18.58	18.90	0.32	3488.83
MW - 14	04/05/10	3507.46	18.58	19.03	0.45	3488.81
MW - 14	04/14/10	3507.46	18.58	18.96	0.38	3488.82
MW - 14	04/16/10	3507.46	18.51	18.93	0.42	3488.89
MW - 14	04/19/10	3507.46	18.55	18.90	0.35	3488.86
MW - 14	04/28/10	3507.46	18.48	18.79	0.31	3488.93
MW - 14	05/05/10	3507.46	18.43	18.75	0.32	3488.98
MW - 14	05/12/10	3507.46	18.51	18.84	0.33	3488.90
MW - 14	05/14/10	3507.46	18.51	18.84	0.33	3488.90
MW - 14	05/21/10	3507.46	18.53	18.82	0.29	3488.89
MW - 14	05/26/10	3507.46	18.49	18.85	0.36	3488.92
MW - 14	06/04/10	3507.46	18.55	18.81	0.26	3488.87
MW - 14	06/07/10	3507.46	18.66	19.15	0.49	3488.73
MW - 14	06/12/10	3507.46	18.69	19.25	0.56	3488.69
MW - 14	06/24/10	3507.46	18.92	19.61	0.69	3488.44
MW - 14	06/30/10	3507.46	18.87	19.40	0.53	3488.51
MW - 14	07/07/10	3507.46	18.12	19.51	1.39	3489.13
MW - 14	07/12/10	3507.46	18.01	19.53	1.52	3489.22
MW - 14	07/19/10	3507.46	17.96	19.47	1.51	3489.27
MW - 14	08/03/10	3507.46	17.91	19.38	1.47	3489.33
MW - 14	08/11/10	3507.46	17.98	19.42	1.44	3489.26
MW - 14	08/19/10	3507.46	18.09	18.72	0.63	3489.28
MW - 14	08/25/10	3507.46	18.15	19.10	0.95	3489.17
MW - 14	09/01/10	3507.46	18.18	18.81	0.63	3489.19
MW - 14	09/09/10	3507.46	18.27	19.22	0.95	3489.05
MW - 14	09/13/10	3507.46	17.97	19.40	1.43	3489.28
MW - 14	09/29/10	3507.46	18.40	19.35	0.95	3488.92
MW - 14	10/05/10	3507.46	17.95	19.37	1.42	3489.30
MW - 14	10/20/10	3507.46	18.69	19.40	0.71	3488.66
MW - 14	10/25/10	3507.46	18.69	19.40	0.71	3488.66
MW - 14	11/03/10	3507.46	18.02	19.46	1.44	3489.22
MW - 14	11/10/10	3507.46	18.48	19.46	0.98	3488.83
MW - 14	11/12/10	3507.46	18.48	19.64	1.16	3488.81
MW - 14	12/09/10	3507.46	17.94	18.44	0.50	3489.45
MW - 14	01/18/11	3507.46	18.48	19.65	1.17	3488.80
MW - 14	02/16/11	3507.46	18.46	19.68	1.22	3488.82
MW - 14	03/01/11	3507.46	18.24	19.86	1.62	3488.98
MW - 14	03/07/11	3507.46	18.22	19.85	1.63	3489.00
MW - 14	03/22/11	3507.46	18.44	19.65	1.21	3488.84
MW - 14	04/27/11	3507.46	18.31	19.84	1.53	3488.92
MW - 14	05/05/11	3507.46	18.42	19.40	0.98	3488.89
MW - 14	05/10/11	3507.46	18.38	19.25	0.87	3488.95
MW - 14	05/17/11	3507.46	18.35	19.41	1.06	3488.95
MW - 14	05/19/11	3507.46	18.35	19.41	1.06	3488.95
MW - 14	05/24/11	3507.46	18.44	19.48	1.04	3488.86
MW - 14	06/07/11	3507.46	18.63	19.87	1.24	3488.64
MW - 14	06/08/11	3507.46	18.62	19.79	1.17	3488.66
MW - 14	06/14/11	3507.46	18.59	19.60	1.01	3488.72
MW - 14	06/23/11	3507.46	18.68	19.62	0.94	3488.64
MW - 14	06/28/11	3507.46	18.78	19.86	1.08	3488.52

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	07/06/11	3507.46	18.84	20.01	1.17	3488.44
MW - 14	07/14/11	3507.46	18.91	19.82	0.91	3488.41
MW - 14	07/20/11	3507.46	18.98	19.85	0.87	3488.35
MW - 14	07/27/11	3507.46	18.98	19.73	0.75	3488.37
MW - 14	08/03/11	3507.46	19.00	19.71	0.71	3488.35
MW - 14	08/10/11	3507.46	19.02	19.58	0.56	3488.36
MW - 14	08/18/11	3507.46	19.02	19.75	0.73	3488.33
MW - 14	08/25/11	3507.46	19.10	19.82	0.72	3488.25
MW - 14	09/07/11	3507.46	19.16	19.90	0.74	3488.19
MW - 14	09/14/11	3507.46	19.19	19.94	0.75	3488.16
MW - 14	11/14/11	3507.46	19.08	20.00	0.92	3488.24
MW - 14	12/01/11	3507.46	19.04	20.26	1.22	3488.24
MW - 14	12/08/11	3507.46	19.01	20.01	1.00	3488.30
MW - 14	12/14/11	3507.46	19.03	20.02	0.99	3488.28
MW - 14	01/12/12	3507.46	19.00	19.90	0.90	3488.33
MW - 14	01/19/12	3507.46	18.93	19.82	0.89	3488.40
MW - 14	02/03/12	3507.46	18.91	19.85	0.94	3488.41
MW - 14	02/29/12	3507.46	18.79	19.83	1.04	3488.51
MW - 14	03/14/12	3507.46	18.76	19.71	0.95	3488.56
MW - 14	03/19/12	3507.46	18.77	19.46	0.69	3488.59
MW - 14	03/29/12	3507.46	18.73	19.43	0.70	3488.63
MW - 14	04/05/12	3507.46	18.71	19.42	0.71	3488.64
MW - 14	04/18/12	3507.46	18.67	19.36	0.69	3488.69
MW - 14	04/27/12	3507.46	18.71	19.42	0.71	3488.64
MW - 14	05/02/12	3507.46	18.72	19.40	0.68	3488.64
MW - 14	05/31/12	3507.46	18.69	19.62	0.93	3488.63
MW - 14	06/08/12	3507.46	18.73	19.50	0.77	3488.61
MW - 14	06/12/12	3507.46	18.81	19.62	0.81	3488.53
MW - 14	06/21/12	3507.46	18.81	19.63	0.82	3488.53
MW - 14	06/29/12	3507.46	18.82	19.81	0.99	3488.49
MW - 14	07/13/12	3507.46	19.03	20.04	1.01	3488.28
MW - 14	12/06/12	3507.46	19.82	20.58	0.76	3487.53
MW - 14	12/11/12	3507.46	19.84	20.44	0.60	3487.53
MW - 14	12/18/12	3507.46	19.83	19.97	0.14	3487.61
MW - 14	01/09/13	3507.46	19.78	20.05	0.27	3487.64
MW - 14	01/15/13	3507.46	19.79	19.93	0.14	3487.65
MW - 14	01/23/13	3507.46	19.78	19.91	0.13	3487.66
MW - 14	01/29/13	3507.46	19.76	19.91	0.15	3487.68
MW - 14	02/07/13	3507.46	19.79	19.93	0.14	3487.65
MW - 14	02/13/13	3507.46	19.74	19.83	0.09	3487.71
MW - 14	02/20/13	3507.46	19.25	19.84	0.59	3488.12
MW - 14	03/15/13	3507.46	19.73	20.39	0.66	3487.63
MW - 14	03/19/13	3507.46	19.71	20.10	0.39	3487.69
MW - 14	04/02/13	3507.46	19.66	19.85	0.19	3487.77
MW - 14	04/09/13	3507.46	19.65	19.75	0.10	3487.80
MW - 14	04/16/13	3507.46	19.64	19.86	0.22	3487.79
MW - 14	04/23/13	3507.46	19.65	19.71	0.06	3487.80
MW - 14	04/30/13	3507.46	19.60	20.60	1.00	3487.71
MW - 14	05/08/13	3507.46	19.61	19.70	0.09	3487.84
MW - 14	05/14/13	3507.46	19.60	19.86	0.26	3487.82
MW - 14	05/22/13	3507.46	19.57	19.76	0.19	3487.86
MW - 14	06/04/13	3507.46	19.58	19.83	0.25	3487.84
MW - 14	06/11/13	3507.46	19.67	19.76	0.09	3487.78
MW - 14	06/19/13	3507.46	19.77	19.84	0.07	3487.68
MW - 14	06/28/13	3507.46	19.94	20.06	0.12	3487.50
MW - 14	07/01/13	3507.46	19.87	19.99	0.12	3487.57
MW - 14	07/08/13	3507.46	19.98	20.10	0.12	3487.46
MW - 14	07/23/13	3507.46	19.99	20.18	0.19	3487.44

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	07/30/13	3507.46	19.95	20.17	0.22	3487.48
MW - 14	08/05/13	3507.46	19.97	20.15	0.18	3487.46
MW - 14	08/12/13	3507.46	19.92	20.18	0.26	3487.50
MW - 14	08/22/13	3507.46	20.06	20.45	0.39	3487.34
MW - 14	08/29/13	3507.46	20.05	20.47	0.42	3487.35
MW - 14	09/05/13	3507.46	20.07	20.43	0.36	3487.34
MW - 14	09/10/13	3507.46	20.13	20.48	0.35	3487.28
MW - 14	09/17/13	3507.46	20.16	20.54	0.38	3487.24
MW - 14	09/24/13	3507.46	20.16	20.54	0.38	3487.24
MW - 14	10/07/13	3507.46	20.22	20.63	0.41	3487.18
MW - 14	11/14/13	-	22.85	23.12	0.27	-
MW - 14	11/21/13	-	22.81	23.23	0.42	-
MW - 14	12/12/13	-	22.71	23.13	0.42	-
MW - 14	12/19/13	-	22.70	22.93	0.23	-
MW - 14	01/03/14	-	22.63	23.14	0.51	-
MW - 14	01/09/14	-	22.64	23.07	0.43	-
MW - 14	01/13/14	-	22.67	23.15	0.48	-
MW - 14	01/21/14	-	22.61	23.03	0.42	-
MW - 14	01/24/14	-	22.64	23.11	0.47	-
MW - 14	02/04/14	3511.85	22.57	22.98	0.41	3489.22
MW - 14	02/10/14	3511.85	22.42	23.24	0.82	3489.31
MW - 14	02/27/14	3511.85	22.51	22.90	0.39	3489.28
MW - 14	03/17/14	3511.85	22.50	22.88	0.38	3489.29
MW - 14	03/27/14	3511.85	22.48	23.40	0.92	3489.23
MW - 14	04/02/14	3511.85	22.51	22.63	0.12	3489.32
MW - 14	04/16/14	3511.85	22.38	22.81	0.43	3489.41
MW - 14	04/22/14	3511.85	22.40	22.70	0.30	3489.41
MW - 14	04/28/14	3511.85	22.48	22.70	0.22	3489.34
MW - 14	05/06/14	3511.85	22.39	22.61	0.22	3489.43
MW - 14	05/13/14	3511.85	22.45	22.85	0.40	3489.34
MW - 14	05/14/14	3511.85	22.44	22.75	0.31	3489.36
MW - 14	05/21/14	3511.85	22.41	23.33	0.92	3489.30
MW - 14	06/05/14	3511.85	22.51	22.99	0.48	3489.27
MW - 14	06/11/14	3511.85	22.57	22.97	0.40	3489.22
MW - 14	06/16/14	3511.85	22.66	22.75	0.09	3489.18
MW - 14	06/24/14	3511.85	22.75	23.00	0.25	3489.06
MW - 14	07/01/14	3511.85	22.92	23.14	0.22	3488.90
MW - 14	07/08/14	3511.85	22.95	23.08	0.13	3488.88
MW - 14	07/15/14	3511.85	22.95	23.70	0.75	3488.79
MW - 14	07/22/14	3511.85	23.03	24.00	0.97	3488.67
MW - 14	07/23/14	3511.85	23.03	24.00	0.97	3488.67
MW - 14	07/31/14	3511.85	23.00	23.95	0.95	3488.71
MW - 14	08/05/14	3511.85	23.04	23.32	0.28	3488.77
MW - 14	08/07/14	3511.85	23.02	23.38	0.36	3488.78
MW - 14	08/15/14	3511.85	23.07	23.95	0.88	3488.65
MW - 14	08/20/14	3511.85	23.07	23.67	0.60	3488.69
MW - 14	08/27/14	3511.85	23.10	24.20	1.10	3488.59
MW - 14	09/24/14	3511.85	22.38	22.65	0.27	3489.43
MW - 14	10/01/14	3511.85	21.97	22.31	0.34	3489.83
MW - 14	10/07/14	3511.85	21.91	22.02	0.11	3489.92
MW - 14	10/14/14	3511.85	21.88	22.07	0.19	3489.94
MW - 14	10/20/14	3511.85	21.87	22.16	0.29	3489.94
MW - 14	10/27/14	3511.85	21.85	21.92	0.07	3489.99
MW - 14	11/11/14	3511.85	22.12	22.98	0.86	-
MW - 14	11/19/14	3511.85	21.83	23.79	1.96	3489.73
MW - 14	12/08/14	3511.85	21.89	22.40	0.51	3489.88

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	12/15/14	3511.85	21.89	22.04	0.15	3489.94
MW - 14	12/18/14	3511.85	21.88	21.95	0.07	3489.96
MW - 14	12/22/14	3511.85	21.82	21.95	0.13	3490.01
MW - 14	12/29/14	3511.85	21.89	21.96	0.07	3489.95
MW - 14	01/05/15	3511.85	21.90	21.93	0.03	3489.95
MW - 14	01/12/15	3511.85	21.95	21.97	0.02	3489.90
MW - 14	01/19/15	3511.85	-	21.89	0.00	3489.96
MW - 14	02/04/15	3511.85	-	21.91	0.00	3489.94
MW - 14	02/09/15	3511.85	-	21.87	0.00	3489.98
MW - 14	02/19/15	3511.85	21.89	21.90	0.01	3489.96
MW - 14	03/03/15	3511.85	-	21.85	0.00	3490.00
MW - 14	03/09/15	3511.85	-	21.90	0.00	3489.95
MW - 14	03/16/15	3511.85	-	21.88	0.00	3489.97
MW - 14	03/20/15	3511.85	-	21.93	0.00	3489.92
MW - 14	03/23/15	3511.85	-	21.87	0.00	3489.98
MW - 14	03/30/15	3511.85	-	21.87	0.00	3489.98
MW - 14	04/04/15	3511.85	-	21.91	0.00	3489.94
MW - 14	04/07/15	3511.85	-	21.89	0.00	3489.96
MW - 14	04/14/15	3511.85	-	21.90	0.00	3489.95
MW - 14	04/20/15	3511.85	-	21.83	0.00	3490.02
MW - 14	04/27/15	3511.85	-	21.87	0.00	3489.98
MW - 14	05/07/15	3511.85	-	21.84	0.00	3490.01
MW - 14	05/11/15	3511.85	-	21.86	0.00	3489.99
MW - 14	05/21/15	3511.85	-	21.78	0.00	3490.07
MW - 14	05/27/15	3511.85	-	21.75	0.00	3490.10
MW - 14	05/28/15	3511.85	-	21.81	0.00	3490.04
MW - 14	06/03/15	3511.85	-	21.80	0.00	3490.05
MW - 14	06/08/15	3511.85	-	21.76	0.00	3490.09
MW - 14	06/15/15	3511.85	-	21.80	0.00	3490.05
MW - 14	06/25/15	3511.85	-	21.75	0.00	3490.10
MW - 14	06/29/15	3511.85	-	21.69	0.00	3490.16
MW - 14	07/08/15	3511.85	-	21.79	0.00	3490.06
MW - 14	07/09/15	3511.85	-	21.74	0.00	3490.11
MW - 14	07/14/15	3511.85	-	21.81	0.00	3490.04
MW - 14	07/20/15	3511.85	-	21.88	0.00	3489.97
MW - 14	07/28/15	3511.85	-	22.01	0.00	3489.84
MW - 14	08/03/15	3511.85	-	22.22	0.00	3489.63
MW - 14	08/04/15	3511.85	-	22.09	0.00	3489.76
MW - 14	08/10/15	3511.85	-	22.11	0.00	3489.74
MW - 14	08/17/15	3511.85	-	22.13	0.00	3489.72
MW - 14	08/25/15	3511.85	-	22.26	0.00	3489.59
MW - 14	08/31/15	3511.85	-	22.22	0.00	3489.63
MW - 14	09/08/15	3511.85	-	22.17	0.00	3489.68
MW - 14	09/15/15	3511.85	-	22.20	0.00	3489.65
MW - 14	09/24/15	3511.85	-	22.38	0.00	3489.47
MW - 14	09/28/15	3511.85	-	23.35	0.00	3488.50
MW - 14	10/06/15	3511.85	-	22.33	0.00	3489.52
MW - 14	10/12/15	3511.85	-	22.24	0.00	3489.61
MW - 14	10/26/15	3511.85	-	22.13	0.00	3489.72
MW - 14	11/06/15	3511.85	-	22.02	0.00	3489.83
MW - 14	11/10/15	3511.85	-	21.96	0.00	3489.89
MW - 14	11/18/15	3511.85	-	22.06	0.00	3489.79
MW - 14	12/02/15	3511.85	-	21.94	0.00	3489.91
MW - 14	12/07/15	3511.85	-	22.02	0.00	3489.83

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	12/14/15	3511.85	-	21.88	0.00	3489.97
MW - 14	01/05/16	3511.85	-	21.80	0.00	3490.05
MW - 14	01/08/16	3511.85	-	21.82	0.00	3490.03
MW - 14	01/12/16	3511.85	-	21.88	0.00	3489.97
MW - 14	01/18/16	3511.85	-	21.82	0.00	3490.03
MW - 14	01/25/16	3511.85	-	21.83	0.00	3490.02
MW - 14	02/01/16	3511.85	-	21.80	0.00	3490.05
MW - 14	02/08/16	3511.85	-	21.80	0.00	3490.05
MW - 14	02/19/16	3511.85	-	21.77	0.00	3490.08
MW - 14	02/23/16	3511.85	-	21.73	0.00	3490.12
MW - 14	03/03/16	3511.85	-	21.79	0.00	3490.06
MW - 14	03/07/16	3511.85	-	21.69	0.00	3490.16
MW - 14	03/15/16	3511.85	-	21.71	0.00	3490.14
MW - 14	03/21/16	3511.85	-	21.67	0.00	3490.18
MW - 14	03/28/16	3511.85	-	21.63	0.00	3490.22
MW - 14	04/05/16	3511.85	-	21.61	0.00	3490.24
MW - 14	04/08/16	3511.85	-	21.66	0.00	3490.19
MW - 14	04/12/16	3511.85	-	21.65	0.00	3490.20
MW - 14	04/18/16	3511.85	-	21.66	0.00	3490.19
MW - 14	04/25/16	3511.85	-	21.57	0.00	3490.28
MW - 14	05/02/16	3511.85	-	21.58	0.00	3490.27
MW - 14	05/23/16	3511.85	-	21.54	0.00	3490.31
MW - 14	06/01/16	3511.85	-	21.67	0.00	3490.18
MW - 14	06/06/16	3511.85	-	21.66	0.00	3490.19
MW - 14	06/09/16	3511.85	-	21.64	0.00	3490.21
MW - 14	06/28/16	3511.85	-	21.93	0.00	3489.92
MW - 14	07/12/16	3511.85	-	22.06	0.00	3489.79
MW - 14	07/19/16	3511.85	-	22.16	0.00	3489.69
MW - 14	07/27/16	3511.85	-	22.24	0.00	3489.61
MW - 14	08/03/16	3511.85	-	22.24	0.00	3489.61
MW - 14	08/04/16	3511.85	-	22.26	0.00	3489.59
MW - 14	08/08/16	3511.85	-	22.26	0.00	3489.59
MW - 14	08/16/16	3511.85	-	22.34	0.00	3489.51
MW - 14	08/23/16	3511.85	-	22.33	0.00	3489.52
MW - 14	08/31/16	3511.85	-	22.07	0.00	3489.78
MW - 14	09/14/16	3511.85	-	21.39	0.00	3490.46
MW - 14	09/22/16	3511.85	-	21.20	0.00	3490.65
MW - 14	09/27/16	3511.85	-	21.11	0.00	3490.74
MW - 14	10/07/16	3511.85	-	21.11	0.00	3490.74
MW - 14	10/21/16	3511.85	-	21.09	0.00	3490.76
MW - 14	10/28/16	3511.85	-	21.10	0.00	3490.75
MW - 14	11/04/16	3511.85	-	21.16	0.00	3490.69
MW - 14	11/09/16	3511.85	-	21.17	0.00	3490.68
MW - 14	12/06/16	3511.85	-	21.18	0.00	3490.67
MW - 14	12/15/16	3511.85	-	21.20	0.00	3490.65
MW - 14	12/22/16	3511.85	-	21.25	0.00	3490.60
MW - 14	12/29/16	3511.85	-	21.27	0.00	3490.58
MW - 14	01/05/17	3511.85	-	21.23	0.00	3490.62
MW - 14	01/11/17	3511.85	-	21.21	0.00	3490.64
MW - 14	01/18/17	3511.85	-	21.22	0.00	3490.63
MW - 14	01/26/17	3511.85	-	21.28	0.00	3490.57
MW - 14	01/31/17	3511.85	-	21.22	0.00	3490.63
MW - 14	02/10/17	3511.85	-	21.22	0.00	3490.63
MW - 14	02/17/17	3511.85	-	21.20	0.00	3490.65

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	02/24/17	3511.85	-	21.26	0.00	3490.59
MW - 14	03/01/17	3511.85	-	21.23	0.00	3490.62
MW - 14	03/09/17	3511.85	-	21.24	0.00	3490.61
MW - 14	03/15/17	3511.85	-	21.21	0.00	3490.64
MW - 14	03/22/17	3511.85	-	21.27	0.00	3490.58
MW - 14	03/29/17	3511.85	-	21.32	0.00	3490.53
MW - 14	04/07/17	3511.85	-	21.25	0.00	3490.60
MW - 14	04/11/17	3511.85	-	21.19	0.00	3490.66
MW - 14	04/20/17	3511.85	-	21.17	0.00	3490.68
MW - 14	05/02/17	3511.85	-	21.14	0.00	3490.71
MW - 14	05/12/17	3511.85	-	21.20	0.00	3490.65
MW - 14	05/16/17	3511.85	-	21.12	0.00	3490.73
MW - 14	05/24/17	3511.85	-	21.25	0.00	3490.60
MW - 14	06/05/17	3511.85	-	21.32	0.00	3490.53
MW - 14	06/15/17	3511.85	-	21.45	0.00	3490.40
MW - 14	06/28/17	3511.85	-	21.53	0.00	3490.32
MW - 14	07/05/17	3511.85	-	21.63	0.00	3490.22
MW - 14	07/11/17	3511.85	-	21.67	0.00	3490.18
MW - 14	07/17/17	3511.85	-	21.69	0.00	3490.16
MW - 14	07/20/17	3511.85	-	21.74	0.00	3490.11
MW - 14	08/16/17	3511.85	-	21.72	0.00	3490.13
MW - 14	09/05/17	3511.85	-	21.51	0.00	3490.34
MW - 14	09/13/17	3511.85	-	21.46	0.00	3490.39
MW - 14	09/19/17	3511.85	-	21.53	0.00	3490.32
MW - 14	09/29/17	3511.85	-	21.59	0.00	3490.26
MW - 14	10/05/17	3511.85	-	21.63	0.00	3490.22
MW - 14	10/12/17	3511.85	-	21.41	0.00	3490.44
MW - 14	10/20/17	3511.85	-	21.32	0.00	3490.53
MW - 14	10/24/17	3511.85	-	21.42	0.00	3490.43
MW - 14	11/02/17	3511.85	-	21.47	0.00	3490.38
MW - 14	11/14/17	3511.85	-	21.33	0.00	3490.52
MW - 14	12/20/17	3511.85	-	21.28	0.00	3490.57
MW - 14	12/28/17	3511.85	-	21.26	0.00	3490.59
MW - 14	01/03/18	3511.85	-	22.29	0.00	3489.56
MW - 14	01/09/18	3511.85	-	21.24	0.00	3490.61
MW - 14	01/19/18	3511.85	-	21.24	0.00	3490.61
MW - 14	01/24/18	3511.85	-	21.98	0.00	3489.87
MW - 14	02/07/18	3511.85	-	21.29	0.00	3490.56
MW - 14	02/12/18	3511.85	-	21.24	0.00	3490.61
MW - 14	02/22/18	3511.85	-	21.24	0.00	3490.61
MW - 14	03/02/18	3511.85	-	21.23	0.00	3490.62
MW - 14	03/07/18	3511.85	-	21.23	0.00	3490.62
MW - 14	03/19/18	3511.85	-	21.26	0.00	3490.59
MW - 14	03/29/18	3511.85	-	21.23	0.00	3490.62
MW - 14	04/02/18	3511.85	-	21.18	0.00	3490.67
MW - 14	04/11/18	3511.85	-	21.18	0.00	3490.67
MW - 14	04/16/18	3511.85	-	21.19	0.00	3490.66
MW - 14	04/25/18	3511.85	-	21.22	0.00	3490.63
MW - 14	05/01/18	3511.85	-	21.19	0.00	3490.66
MW - 14	05/08/18	3511.85	-	21.19	0.00	3490.66
MW - 14	05/22/18	3511.85	-	21.43	0.00	3490.42
MW - 14	05/31/18	3511.85	-	21.52	0.00	3490.33
MW - 14	06/06/18	3511.85	-	21.56	0.00	3490.29
MW - 14	06/13/18	3511.85	-	21.64	0.00	3490.21



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	06/18/18	3511.85	-	21.67	0.00	3490.18
MW - 14	06/25/18	3511.85	-	21.74	0.00	3490.11
MW - 14	07/02/18	3511.85	-	21.78	0.00	3490.07
MW - 14	07/11/18	3511.85	-	21.91	0.00	3489.94
MW - 14	07/19/18	3511.85	-	21.89	0.00	3489.96
MW - 14	07/27/18	3511.85	-	21.94	0.00	3489.91
MW - 14	08/08/18	3511.85	-	22.01	0.00	3489.84
MW - 14	08/30/18	3511.85	-	22.12	0.00	3489.73
MW - 14	09/12/18	3511.85	-	22.12	0.00	3489.73
MW - 14	09/20/18	3511.85	-	22.04	0.00	3489.81
MW - 14	09/26/18	3511.85	-	22.08	0.00	3489.77
MW - 14	10/03/18	3511.85	-	22.00	0.00	3489.85
MW - 14	10/19/18	3511.85	-	22.01	0.00	3489.84
MW - 14	10/31/18	3511.85	-	21.90	0.00	3489.95
MW - 14	11/06/18	3511.85	-	21.89	0.00	3489.96
MW - 14	11/13/18	3511.85	-	21.92	0.00	3489.93
MW - 14	12/03/18	3511.85	-	21.78	0.00	3490.07
MW - 14	12/19/18	3511.85	-	21.69	0.00	3490.16
MW - 14	12/27/18	3511.85	-	21.68	0.00	3490.17
MW - 14	01/03/19	3511.85	-	21.77	0.00	3490.08
MW - 14	01/09/19	3511.85	-	21.69	0.00	3490.16
MW - 14	01/16/19	3511.85	-	21.65	0.00	3490.20
MW - 14	01/31/19	3511.85	-	21.66	0.00	3490.19
MW - 14	02/06/19	3511.85	-	21.62	0.00	3490.23
MW - 14	02/12/19	3511.85	-	21.61	0.00	3490.24
MW - 14	02/21/19	3511.85	-	21.58	0.00	3490.27
MW - 14	02/28/19	3511.85	-	21.52	0.00	3490.33
MW - 14	03/06/19	3511.85	-	21.52	0.00	3490.33
MW - 14	03/12/19	3511.85	-	21.48	0.00	3490.37
MW - 14	03/19/19	3511.85	-	21.52	0.00	3490.33
MW - 14	03/28/19	3511.85	-	21.53	0.00	3490.32
MW - 14	04/01/19	3511.85	-	21.56	0.00	3490.29
MW - 14	04/10/19	3511.85	-	21.43	0.00	3490.42
MW - 14	04/17/19	3511.85	-	21.52	0.00	3490.33
MW - 14	04/24/19	3511.85	-	21.55	0.00	3490.30
MW - 14	05/01/19	3511.85	-	21.50	0.00	3490.35
MW - 14	05/08/19	3511.85	-	21.45	0.00	3490.40
MW - 14	05/17/19	3511.85	-	21.49	0.00	3490.36
MW - 14	06/14/19	3511.85	-	21.60	0.00	3490.25
MW - 14	06/18/19	3511.85	-	21.65	0.00	3490.20
MW - 14	06/28/19	3511.85	-	21.80	0.00	3490.05
MW - 14	07/11/19	3511.85	-	21.92	0.00	3489.93
MW - 14	08/08/19	3511.85	-	22.09	0.00	3489.76
MW - 14	09/12/19	3511.85	-	22.07	0.00	3489.78
MW - 14	09/17/19	3511.85	-	22.27	0.00	3489.58
MW - 14	10/15/19	3511.85	-	22.10	0.00	3489.75
MW - 14	11/06/19	3511.85	-	22.04	0.00	3489.81
MW - 14	11/13/19	3511.85	-	21.91	0.00	3489.94
MW - 14	12/17/19	3511.85	-	21.83	0.00	3490.02
MW - 14	01/06/20	3511.85	-	21.74	0.00	3490.11
MW - 14	01/23/20	3511.85	-	21.76	0.00	3490.09
MW - 14	01/29/20	3511.85	-	21.70	0.00	3490.15
MW - 14	02/21/20	3511.85	-	21.70	0.00	3490.15
MW - 14	03/05/20	3511.85	-	21.70	0.00	3490.15

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 14	05/14/20	3511.85	-	21.42	0.00	3490.43
MW - 14	05/21/20	3511.85	-	21.47	0.00	3490.38
MW - 14	06/17/20	3511.85	-	21.82	0.00	3490.03
MW - 14	07/21/20	3511.85	-	22.15	0.00	3489.70
MW - 14	08/13/20	3511.85	-	22.30	0.00	3489.55
MW - 14	09/14/20	3511.85	-	22.39	0.00	3489.46
MW - 14	10/16/20	3511.85	-	22.48	0.00	3489.37
MW - 14	12/10/20	3511.85	-	22.53	0.00	3489.32
MW - 14	01/13/21	3511.85	-	22.50	0.00	3489.35
MW - 14	02/11/21	3511.85	-	22.42	0.00	3489.43
MW - 14	04/21/21	3511.85	-	22.38	0.00	3489.47
MW - 14	06/11/21	3511.85	-	22.39	0.00	3489.46
MW - 14	09/23/21	3511.85	-	22.59	0.00	3489.26
MW - 14	10/14/21	3511.85	-	22.63	0.00	3489.22
MW - 14	10/28/21	3511.85	22.40	22.50	0.10	3489.44
MW - 14	12/06/21	3511.85	-	22.73	0.00	3489.12
MW - 14	03/16/22	3511.85	-	22.65	0.00	3489.20
MW - 14	04/20/22	3511.85	-	22.60	0.00	3489.25
MW - 14	05/11/22	3511.85	-	22.69	0.00	3489.16
MW - 14	08/16/22	3511.85	-	23.09	0.00	3488.76
MW - 14	11/11/22	3511.85	-	22.95	0.00	3488.90
MW - 15	06/20/02	3506.48	18.69	19.19	0.50	3487.72
MW - 15	09/26/02	3506.48	18.76	21.77	3.01	3487.27
MW - 15	11/12/02	3506.48	18.85	21.31	2.46	3487.26
MW - 15	01/07/03	3506.48	18.51	21.84	3.33	3487.47
MW - 15	01/27/03	3506.48	18.49	21.18	2.69	3487.59
MW - 15	02/26/03	3506.48	18.61	19.42	0.81	3487.75
MW - 15	03/11/03	3506.48	18.56	19.56	1.00	3487.77
MW - 15	03/19/03	3506.48	18.56	20.75	2.19	3487.59
MW - 15	03/25/03	3506.48	18.58	19.56	0.98	3487.75
MW - 15	04/16/03	3506.48	18.74	18.75	0.01	3487.74
MW - 15	04/23/03	3506.48	18.63	18.88	0.25	3487.81
MW - 15	04/29/03	3506.48	18.70	18.71	0.01	3487.78
MW - 15	05/14/03	3506.48	18.77	19.36	0.59	3487.62
MW - 15	05/20/03	3506.48	18.53	19.60	1.07	3487.79
MW - 15	05/27/03	3506.48	18.90	19.82	0.92	3487.44
MW - 15	06/04/03	3506.48	18.80	19.89	1.09	3487.52
MW - 15	07/07/03	3506.48	19.32	19.60	0.28	3487.12
MW - 15	07/30/03	3506.48	19.36	19.56	0.20	3487.09
MW - 15	08/06/03	3506.48	19.61	19.83	0.22	3486.84
MW - 15	08/21/03	3506.48	19.82	19.91	0.09	3486.65
MW - 15	08/26/03	3506.48	19.96	20.06	0.10	3486.51
MW - 15	09/08/03	3506.48	19.79	19.99	0.20	3486.66
MW - 15	09/15/03	3506.48	19.81	19.96	0.15	3486.65
MW - 15	09/24/03	3506.48	20.05	20.31	0.26	3486.39
MW - 15	10/02/03	3506.48	19.87	20.12	0.25	3486.57
MW - 15	10/08/03	3506.48	19.77	19.94	0.17	3486.68
MW - 15	10/16/03	3506.48	20.09	20.24	0.15	3486.37
MW - 15	10/28/03	3506.48	20.15	20.36	0.21	3486.30
MW - 15	11/11/03	3506.48	20.24	20.39	0.15	3486.22
MW - 15	11/18/03	3506.48	19.95	20.11	0.16	3486.51
MW - 15	12/10/03	3506.48	19.79	19.98	0.19	3486.66
MW - 15	02/02/04	3506.48	20.17	20.27	0.10	3486.30

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	02/26/04	3506.48	19.69	20.02	0.33	3486.74
MW - 15	03/16/04	3506.48	19.88	20.35	0.47	3486.53
MW - 15	03/19/04	3506.48	19.90	20.40	0.50	3486.51
MW - 15	03/25/04	3506.48	19.89	20.46	0.57	3486.50
MW - 15	04/01/04	3506.48	19.81	20.45	0.64	3486.57
MW - 15	04/08/04	3506.48	19.85	20.42	0.57	3486.54
MW - 15	04/14/04	3506.48	18.77	19.54	0.77	3487.59
MW - 15	04/16/04	3506.48	18.98	19.74	0.76	3487.39
MW - 15	04/22/04	3506.48	18.20	19.25	1.05	3488.12
MW - 15	04/29/04	3506.48	18.23	19.34	1.11	3488.08
MW - 15	05/11/04	3506.48	18.20	20.26	2.06	3487.97
MW - 15	06/08/04	3506.48	18.26	21.27	3.01	3487.77
MW - 15	06/17/04	3506.48	18.25	21.24	2.99	3487.78
MW - 15	06/22/04	3506.48	18.29	21.26	2.97	3487.74
MW - 15	06/29/04	3506.48	18.26	21.32	3.06	3487.76
MW - 15	07/06/04	3506.48	18.17	21.49	3.32	3487.81
MW - 15	07/13/04	3506.48	18.20	21.54	3.34	3487.78
MW - 15	07/20/04	3506.48	18.34	21.98	3.64	3487.59
MW - 15	08/04/04	3506.48	18.35	21.10	2.75	3487.72
MW - 15	08/10/04	3506.48	18.39	21.09	2.70	3487.69
MW - 15	08/16/04	3506.48	18.57	21.48	2.91	3487.47
MW - 15	08/23/04	3506.48	18.59	20.72	2.13	3487.57
MW - 15	08/25/04	3506.48	18.65	19.79	1.14	3487.66
MW - 15	08/26/04	3506.48	18.65	19.85	1.20	3487.65
MW - 15	08/31/04	3506.48	18.69	20.11	1.42	3487.58
MW - 15	09/13/04	3506.48	18.81	19.98	1.17	3487.49
MW - 15	09/20/04	3506.48	18.89	19.79	0.90	3487.46
MW - 15	09/30/04	3506.48	18.99	19.81	0.82	3487.37
MW - 15	10/04/04	3506.48	18.12	19.44	1.32	3488.16
MW - 15	10/11/04	3506.48	17.81	20.65	2.84	3488.24
MW - 15	10/18/04	3506.48	17.83	20.17	2.34	3488.30
MW - 15	10/26/04	3506.48	18.03	20.05	2.02	3488.15
MW - 15	11/02/04	3506.48	18.50	19.10	0.60	3487.89
MW - 15	11/08/04	3506.48	18.19	19.20	1.01	3488.14
MW - 15	11/15/04	3506.48	18.19	19.78	1.59	3488.05
MW - 15	12/01/04	3506.48	18.75	20.92	2.17	3487.40
MW - 15	12/02/04	3506.48	18.75	20.91	2.16	3487.41
MW - 15	12/14/04	3506.48	17.73	20.00	2.27	3488.41
MW - 15	12/21/04	3506.48	17.79	19.70	1.91	3488.40
MW - 15	12/29/04	3506.48	17.78	19.90	2.12	3488.38
MW - 15	01/11/05	3506.48	17.60	19.72	2.12	3488.56
MW - 15	01/14/05	3506.48	17.80	19.72	1.92	3488.39
MW - 15	01/18/05	3506.48	17.68	19.37	1.69	3488.55
MW - 15	01/21/05	3506.48	17.70	18.61	0.91	3488.64
MW - 15	01/25/05	3506.48	17.68	18.80	1.12	3488.63
MW - 15	01/28/05	3506.48	17.81	18.49	0.68	3488.57
MW - 15	02/02/05	3506.48	17.89	18.61	0.72	3488.48
MW - 15	02/05/05	3506.48	17.99	18.31	0.32	3488.44
MW - 15	02/08/05	3506.48	17.61	18.53	0.92	3488.73
MW - 15	02/11/05	3506.48	17.63	18.19	0.56	3488.77
MW - 15	02/15/05	3506.48	17.59	18.34	0.75	3488.78
MW - 15	02/18/05	3506.48	17.69	18.30	0.61	3488.70
MW - 15	02/22/05	3506.48	17.56	18.30	0.74	3488.81
MW - 15	02/25/05	3506.48	17.55	18.15	0.60	3488.84

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	03/01/05	3506.48	17.50	18.24	0.74	3488.87
MW - 15	03/04/05	3506.48	17.51	18.10	0.59	3488.88
MW - 15	03/08/05	3506.48	17.49	18.13	0.64	3488.89
MW - 15	03/08/05	3506.48	17.49	18.13	0.64	3488.89
MW - 15	03/11/05	3506.48	17.59	18.08	0.49	3488.82
MW - 15	03/15/05	3506.48	17.50	18.05	0.55	3488.90
MW - 15	03/18/05	3506.48	17.51	18.03	0.52	3488.89
MW - 15	03/22/05	3506.48	18.40	19.15	0.75	3487.97
MW - 15	03/28/05	3506.48	18.34	19.19	0.85	3488.01
MW - 15	04/01/05	3506.48	18.38	19.18	0.80	3487.98
MW - 15	04/05/05	3506.48	17.29	18.21	0.92	3489.05
MW - 15	04/08/05	3506.48	17.24	18.12	0.88	3489.11
MW - 15	04/15/05	3506.48	17.28	18.09	0.81	3489.08
MW - 15	05/25/05	3506.48	17.10	17.90	0.80	3489.26
MW - 15	05/27/05	3506.48	17.09	17.81	0.72	3489.28
MW - 15	05/31/05	3506.48	17.08	17.68	0.60	3489.31
MW - 15	06/03/05	3506.48	17.03	17.69	0.66	3489.35
MW - 15	06/06/05	3506.48	17.07	17.56	0.49	3489.34
MW - 15	06/08/05	3506.48	17.01	17.58	0.57	3489.38
MW - 15	06/13/05	3506.48	17.02	17.53	0.51	3489.38
MW - 15	06/20/05	3506.48	17.10	17.63	0.53	3489.30
MW - 15	06/24/05	3506.48	17.03	17.77	0.74	3489.34
MW - 15	06/27/05	3506.48	17.13	17.62	0.49	3489.28
MW - 15	07/11/05	3506.48	17.12	17.78	0.66	3489.26
MW - 15	07/15/05	3506.48	17.18	17.90	0.72	3489.19
MW - 15	07/18/05	3506.48	17.19	18.19	1.00	3489.14
MW - 15	07/21/05	3506.48	17.30	17.70	0.40	3489.12
MW - 15	07/25/05	3506.48	17.29	18.08	0.79	3489.07
MW - 15	08/01/05	3506.48	17.33	17.94	0.61	3489.06
MW - 15	08/04/05	3506.48	17.39	17.85	0.46	3489.02
MW - 15	08/12/05	3506.48	17.53	17.72	0.19	3488.92
MW - 15	08/15/05	3506.48	17.30	17.93	0.63	3489.09
MW - 15	08/23/05	3506.48	17.18	17.81	0.63	3489.21
MW - 15	08/30/05	3506.48	17.13	17.90	0.77	3489.23
MW - 15	09/06/05	3506.48	17.11	17.92	0.81	3489.25
MW - 15	09/13/05	3506.48	17.08	18.08	1.00	3489.25
MW - 15	09/15/05	3506.48	17.18	17.87	0.69	3489.20
MW - 15	09/19/05	3506.48	17.12	17.77	0.65	3489.26
MW - 15	09/27/05	3506.48	17.10	18.08	0.98	3489.23
MW - 15	10/03/05	3506.48	17.20	17.94	0.74	3489.17
MW - 15	10/08/05	3506.48	16.98	17.59	0.61	3489.41
MW - 15	10/10/05	3506.48	17.10	18.21	1.11	3489.21
MW - 15	10/17/05	3506.48	17.09	17.70	0.61	3489.30
MW - 15	10/24/05	3506.48	17.11	17.68	0.57	3489.28
MW - 15	10/31/05	3506.48	17.02	17.88	0.86	3489.33
MW - 15	11/15/05	3506.48	17.05	17.91	0.86	3489.30
MW - 15	11/22/05	3506.48	17.03	17.65	0.62	3489.36
MW - 15	11/27/05	3506.48	17.05	17.73	0.68	3489.33
MW - 15	12/07/05	3506.48	17.08	17.47	0.39	3489.34
MW - 15	12/12/05	3506.48	17.04	17.50	0.46	3489.37
MW - 15	12/16/05	3506.48	17.00	17.46	0.46	3489.41
MW - 15	12/22/05	3506.48	17.05	17.91	0.86	3489.30
MW - 15	12/27/05	3506.48	17.00	17.69	0.69	3489.38
MW - 15	01/03/06	3506.48	17.03	17.63	0.60	3489.36

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	01/09/06	3506.48	17.06	17.56	0.50	3489.35
MW - 15	01/16/06	3506.48	17.02	17.50	0.48	3489.39
MW - 15	01/23/06	3506.48	17.06	17.40	0.34	3489.37
MW - 15	01/30/06	3506.48	17.10	17.38	0.28	3489.34
MW - 15	02/06/06	3506.48	17.00	17.41	0.41	3489.42
MW - 15	02/14/06	3506.48	17.08	17.41	0.33	3489.35
MW - 15	02/21/06	3506.48	16.98	17.41	0.43	3489.44
MW - 15	03/01/06	3506.48	16.95	17.38	0.43	3489.47
MW - 15	03/06/06	3506.48	16.99	17.33	0.34	3489.44
MW - 15	03/16/06	3506.48	17.00	17.36	0.36	3489.43
MW - 15	03/17/06	3506.48	17.01	17.36	0.35	3489.42
MW - 15	03/21/06	3506.48	16.99	17.39	0.40	3489.43
MW - 15	03/28/06	3506.48	17.02	17.37	0.35	3489.41
MW - 15	04/03/06	3506.48	16.96	17.31	0.35	3489.47
MW - 15	04/17/06	3506.48	16.92	17.21	0.29	3489.52
MW - 15	05/01/06	3506.48	16.91	17.11	0.20	3489.54
MW - 15	05/08/06	3506.48	16.94	17.27	0.33	3489.49
MW - 15	05/15/06	3506.48	16.99	17.42	0.43	3489.43
MW - 15	06/05/06	3506.48	17.22	17.71	0.49	3489.19
MW - 15	06/12/06	3506.48	17.33	17.96	0.63	3489.06
MW - 15	06/15/06	3506.48	17.42	17.86	0.44	3488.99
MW - 15	06/19/06	3506.48	17.41	17.89	0.48	3489.00
MW - 15	07/03/06	3506.48	17.57	17.96	0.39	3488.85
MW - 15	07/10/06	3506.48	17.56	18.00	0.44	3488.85
MW - 15	07/17/06	3506.48	17.37	17.86	0.49	3489.04
MW - 15	07/26/06	3506.48	17.51	18.14	0.63	3488.88
MW - 15	07/31/06	3506.48	17.49	17.98	0.49	3488.92
MW - 15	08/07/06	3506.48	17.54	17.99	0.45	3488.87
MW - 15	08/17/06	3506.48	17.47	18.18	0.71	3488.90
MW - 15	08/21/06	3506.48	17.34	17.90	0.56	3489.06
MW - 15	09/06/06	3506.48	17.11	17.65	0.54	3489.29
MW - 15	09/11/06	3506.48	17.17	17.85	0.68	3489.21
MW - 15	09/18/06	3506.48	17.16	17.59	0.43	3489.26
MW - 15	09/25/06	3506.48	17.22	17.88	0.66	3489.16
MW - 15	10/02/06	3506.48	17.20	17.85	0.65	3489.18
MW - 15	10/09/06	3506.48	17.13	17.91	0.78	3489.23
MW - 15	10/17/06	3506.48	17.20	18.15	0.95	3489.14
MW - 15	10/23/06	3506.48	17.11	17.82	0.71	3489.26
MW - 15	10/30/06	3506.48	17.10	17.80	0.70	3489.28
MW - 15	11/06/06	3506.48	17.15	17.80	0.65	3489.23
MW - 15	11/13/06	3506.48	17.16	17.76	0.60	3489.23
MW - 15	11/20/06	3506.48	17.15	17.70	0.55	3489.25
MW - 15	11/27/06	3506.48	17.13	17.74	0.61	3489.26
MW - 15	11/30/06	3506.48	17.15	17.50	0.35	3489.28
MW - 15	12/04/06	3506.48	17.23	17.69	0.46	3489.18
MW - 15	12/12/06	3506.48	17.29	17.76	0.47	3489.12
MW - 15	12/18/06	3506.48	17.10	17.73	0.63	3489.29
MW - 15	01/02/07	3506.48	17.10	17.85	0.75	3489.27
MW - 15	01/11/07	3506.48	17.03	17.39	0.36	3489.40
MW - 15	01/18/07	3506.48	17.27	17.36	0.09	3489.20
MW - 15	01/22/07	3506.48	17.06	17.62	0.56	3489.34
MW - 15	02/05/07	3506.48	17.07	17.39	0.32	3489.36
MW - 15	02/12/07	3506.48	16.99	17.11	0.12	3489.47
MW - 15	02/19/07	3506.48	16.98	17.14	0.16	3489.48

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	02/27/07	3506.48	17.03	17.52	0.49	3489.38
MW - 15	03/05/07	3506.48	17.06	17.63	0.57	3489.33
MW - 15	03/12/07	3506.48	17.03	17.14	0.11	3489.43
MW - 15	03/19/07	3506.48	16.98	17.12	0.14	3489.48
MW - 15	04/02/07	3506.48	16.97	17.17	0.20	3489.48
MW - 15	04/09/07	3506.48	16.92	17.07	0.15	3489.54
MW - 15	05/01/07	3506.48	17.91	18.30	0.39	3488.51
MW - 15	05/12/07	3506.48	17.90	18.32	0.42	3488.52
MW - 15	05/17/07	3506.48	16.71	16.93	0.22	3489.74
MW - 15	05/21/07	3506.48	16.74	16.95	0.21	3489.71
MW - 15	05/22/07	3506.48	16.74	16.95	0.21	3489.71
MW - 15	06/01/07	3506.48	17.50	17.81	0.31	3488.93
MW - 15	06/06/07	3506.48	16.75	17.04	0.29	3489.69
MW - 15	06/11/07	3506.48	16.79	17.49	0.70	3489.59
MW - 15	06/19/07	3506.48	16.87	17.21	0.34	3489.56
MW - 15	06/25/07	3506.48	16.94	17.26	0.32	3489.49
MW - 15	07/03/07	3506.48	17.07	17.49	0.42	3489.35
MW - 15	07/18/07	3506.48	17.23	17.54	0.31	3489.20
MW - 15	07/23/07	3506.48	17.29	17.63	0.34	3489.14
MW - 15	07/31/07	3506.48	17.44	18.01	0.57	3488.95
MW - 15	08/14/07	3506.48	17.42	17.86	0.44	3488.99
MW - 15	08/15/07	3506.48	17.41	17.79	0.38	3489.01
MW - 15	08/25/07	3506.48	17.50	17.96	0.46	3488.91
MW - 15	09/05/07	3506.48	17.57	18.02	0.45	3488.84
MW - 15	09/10/07	3506.48	17.47	17.77	0.30	3488.97
MW - 15	09/17/07	3506.48	17.23	17.55	0.32	3489.20
MW - 15	09/24/07	3506.48	17.16	17.61	0.45	3489.25
MW - 15	11/05/07	3506.48	17.18	18.13	0.95	3489.16
MW - 15	11/06/07	3506.48	17.34	18.56	1.22	3488.96
MW - 15	11/12/07	3506.48	17.22	17.78	0.56	3489.18
MW - 15	11/19/07	3506.48	17.22	17.53	0.31	3489.21
MW - 15	11/30/07	3506.48	17.29	17.54	0.25	3489.15
MW - 15	12/03/07	3506.48	17.24	17.44	0.20	3489.21
MW - 15	12/14/07	3506.48	17.19	17.40	0.21	3489.26
MW - 15	12/17/07	3506.48	17.22	17.42	0.20	3489.23
MW - 15	01/09/08	3506.48	17.15	17.40	0.25	3489.29
MW - 15	01/16/08	3506.48	17.18	17.58	0.40	3489.24
MW - 15	01/30/08	3506.48	sheen	17.15	0.00	3489.33
MW - 15	02/08/08	3506.48	sheen	17.36	0.00	3489.12
MW - 15	02/12/08	3506.48	sheen	17.19	0.00	3489.29
MW - 15	02/14/08	3506.48	17.16	17.20	0.04	3489.31
MW - 15	02/20/08	3506.48	17.12	17.14	0.02	3489.36
MW - 15	02/28/08	3506.48	17.13	17.22	0.09	3489.34
MW - 15	03/05/08	3506.48	17.12	17.29	0.17	3489.33
MW - 15	03/13/08	3506.48	17.11	17.27	0.16	3489.35
MW - 15	03/19/08	3506.48	17.13	17.30	0.17	3489.32
MW - 15	03/24/08	3506.48	17.09	17.22	0.13	3489.37
MW - 15	04/02/08	3506.48	17.11	17.20	0.09	3489.36
MW - 15	04/07/08	3506.48	17.09	17.19	0.10	3489.38
MW - 15	04/14/08	3506.48	17.11	17.12	0.01	3489.37
MW - 15	04/23/08	3506.48	17.07	17.20	0.13	3489.39
MW - 15	05/07/08	3506.48	17.08	17.26	0.18	3489.37
MW - 15	05/13/08	3506.48	17.07	17.22	0.15	3489.39
MW - 15	05/14/08	3506.48	17.07	17.22	0.15	3489.39

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	05/19/08	3506.48	17.10	17.25	0.15	3489.36
MW - 15	06/09/08	3506.48	17.35	17.69	0.34	3489.08
MW - 15	06/16/08	3506.48	17.12	17.15	0.03	3489.36
MW - 15	06/23/08	3506.48	17.55	17.98	0.43	3488.87
MW - 15	06/30/08	3506.48	17.60	17.98	0.38	3488.82
MW - 15	07/14/08	3506.48	17.65	18.12	0.47	3488.76
MW - 15	07/22/08	3506.48	17.70	18.14	0.44	3488.71
MW - 15	07/29/08	3506.48	17.74	17.96	0.22	3488.71
MW - 15	08/04/08	3506.48	17.75	18.14	0.39	3488.67
MW - 15	08/11/08	3506.48	17.79	18.17	0.38	3488.63
MW - 15	08/14/08	3506.48	17.83	18.12	0.29	3488.61
MW - 15	08/18/08	3506.48	17.80	18.08	0.28	3488.64
MW - 15	08/28/08	3506.48	17.74	18.08	0.34	3488.69
MW - 15	09/17/08	3506.48	17.45	18.03	0.58	3488.94
MW - 15	09/29/08	3506.48	17.44	18.13	0.69	3488.94
MW - 15	10/06/08	3506.48	17.46	18.50	1.04	3488.86
MW - 15	10/13/08	3506.48	17.55	17.93	0.38	3488.87
MW - 15	10/20/08	3506.48	17.39	17.84	0.45	3489.02
MW - 15	10/29/08	3506.48	17.39	17.95	0.56	3489.01
MW - 15	10/30/08	3506.48	17.42	17.80	0.38	3489.00
MW - 15	11/06/08	3506.48	17.40	17.55	0.15	3489.06
MW - 15	11/12/08	3506.48	17.36	17.69	0.33	3489.07
MW - 15	11/13/08	3506.48	17.36	17.69	0.33	3489.07
MW - 15	12/16/08	3506.48	17.38	17.60	0.22	3489.07
MW - 15	12/19/08	3506.48	17.36	17.55	0.19	3489.09
MW - 15	12/22/08	3506.48	17.30	17.58	0.28	3489.14
MW - 15	01/06/09	3506.48	17.30	17.57	0.27	3489.14
MW - 15	01/12/09	3506.48	17.34	17.75	0.41	3489.08
MW - 15	01/19/09	3506.48	17.13	17.34	0.21	3489.32
MW - 15	01/22/09	3506.48	17.30	17.41	0.11	3489.16
MW - 15	01/26/09	3506.48	17.30	17.46	0.16	3489.16
MW - 15	02/10/09	3506.48	17.25	17.37	0.12	3489.21
MW - 15	02/13/09	3506.48	17.30	17.71	0.41	3489.12
MW - 15	02/16/09	3506.48	17.36	17.72	0.36	3489.07
MW - 15	02/24/09	3506.48	17.42	17.76	0.34	3489.01
MW - 15	03/02/09	3506.48	17.18	17.34	0.16	3489.28
MW - 15	03/05/09	3506.48	17.28	17.54	0.26	3489.16
MW - 15	03/09/09	3506.48	17.26	17.41	0.15	3489.20
MW - 15	03/16/09	3506.48	17.27	17.41	0.14	3489.19
MW - 15	03/19/09	3506.48	17.20	17.32	0.12	3489.26
MW - 15	03/25/09	3506.48	17.19	17.32	0.13	3489.27
MW - 15	03/30/09	3506.48	17.21	17.31	0.10	3489.26
MW - 15	04/13/09	3506.48	17.20	17.34	0.14	3489.26
MW - 15	04/16/09	3506.48	17.23	17.30	0.07	3489.24
MW - 15	04/21/09	3506.48	17.25	17.31	0.06	3489.22
MW - 15	04/27/09	3506.48	17.19	17.36	0.17	3489.26
MW - 15	04/30/09	3506.48	17.24	17.30	0.06	3489.23
MW - 15	05/06/09	3506.48	17.25	17.31	0.06	3489.22
MW - 15	05/12/09	3506.48	17.20	17.27	0.07	3489.27
MW - 15	05/19/09	3506.48	17.22	17.52	0.30	3489.22
MW - 15	05/26/09	3506.48	17.30	17.53	0.23	3489.15
MW - 15	06/01/09	3506.48	17.42	17.56	0.14	3489.04
MW - 15	06/05/09	3506.48	17.39	17.56	0.17	3489.06
MW - 15	06/12/09	3506.48	17.40	17.64	0.24	3489.04

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	06/15/09	3506.48	17.49	17.72	0.23	3488.96
MW - 15	06/22/09	3506.48	17.49	17.77	0.28	3488.95
MW - 15	06/24/09	3506.48	17.52	17.70	0.18	3488.93
MW - 15	06/29/09	3506.48	17.58	17.80	0.22	3488.87
MW - 15	07/06/09	3506.48	17.62	17.88	0.26	3488.82
MW - 15	07/09/09	3506.48	17.21	17.51	0.30	3489.23
MW - 15	07/13/09	3506.48	17.22	17.50	0.28	3489.22
MW - 15	07/20/09	3506.48	17.32	17.49	0.17	3489.13
MW - 15	07/23/09	3506.48	17.84	18.21	0.37	3488.58
MW - 15	07/27/09	3506.48	17.86	18.22	0.36	3488.57
MW - 15	07/29/09	3506.48	17.72	17.96	0.24	3488.72
MW - 15	08/03/09	3506.48	17.72	17.91	0.19	3488.73
MW - 15	08/10/09	3506.48	17.75	18.17	0.42	3488.67
MW - 15	08/10/09	3506.48	17.75	18.17	0.42	3488.67
MW - 15	08/18/09	3506.48	17.82	18.19	0.37	3488.60
MW - 15	08/24/09	3506.48	17.79	18.29	0.50	3488.62
MW - 15	08/28/09	3506.48	17.87	18.26	0.39	3488.55
MW - 15	08/31/09	3506.48	17.92	18.16	0.24	3488.52
MW - 15	09/02/09	3506.48	17.92	18.12	0.20	3488.53
MW - 15	09/08/09	3506.48	17.99	18.21	0.22	3488.46
MW - 15	09/16/09	3506.48	17.96	18.20	0.24	3488.48
MW - 15	09/18/09	3506.48	17.96	18.22	0.26	3488.48
MW - 15	09/22/09	3506.48	18.01	18.24	0.23	3488.44
MW - 15	09/28/09	3506.48	17.86	18.23	0.37	3488.56
MW - 15	10/09/09	3506.48	18.05	18.52	0.47	3488.36
MW - 15	10/12/09	3506.48	17.24	17.49	0.25	3489.20
MW - 15	10/15/09	3506.48	18.08	18.26	0.18	3488.37
MW - 15	10/20/09	3506.48	18.08	18.27	0.19	3488.37
MW - 15	10/26/09	3506.48	17.25	17.46	0.21	3489.20
MW - 15	10/28/09	3506.48	18.11	18.30	0.19	3488.34
MW - 15	11/03/09	3506.48	18.09	18.25	0.16	3488.37
MW - 15	11/12/09	3506.48	18.07	18.24	0.17	3488.38
MW - 15	11/18/09	3506.48	18.12	18.26	0.14	3488.34
MW - 15	12/03/09	3506.48	18.09	18.23	0.14	3488.37
MW - 15	12/11/09	3506.48	18.09	18.25	0.16	3488.37
MW - 15	12/16/09	3506.48	18.08	18.25	0.17	3488.37
MW - 15	12/21/09	3506.48	18.08	18.22	0.14	3488.38
MW - 15	12/28/09	3506.48	18.10	18.26	0.16	3488.36
MW - 15	01/04/10	3506.48	18.05	18.19	0.14	3488.41
MW - 15	01/14/10	3506.48	17.96	18.04	0.08	3488.51
MW - 15	01/20/10	3506.48	17.94	18.05	0.11	3488.52
MW - 15	01/25/10	3506.48	18.07	18.23	0.16	3488.39
MW - 15	01/27/10	3506.48	17.92	18.05	0.13	3488.54
MW - 15	02/01/10	3506.48	17.92	18.05	0.13	3488.54
MW - 15	02/08/10	3506.48	17.84	17.97	0.13	3488.62
MW - 15	02/08/10	3506.48	sheen	18.17	0.00	3488.31
MW - 15	02/09/10	3506.48	17.92	18.04	0.12	3488.54
MW - 15	02/19/10	3506.48	18.06	18.21	0.15	3488.40
MW - 15	02/26/10	3506.48	17.86	18.04	0.18	3488.59
MW - 15	03/01/10	3506.48	18.12	18.24	0.12	3488.34
MW - 15	03/04/10	3506.48	17.83	17.97	0.14	3488.63
MW - 15	03/08/10	3506.48	17.78	17.90	0.12	3488.68
MW - 15	03/11/10	3506.48	17.70	17.80	0.10	3488.77
MW - 15	03/15/10	3506.48	17.80	17.91	0.11	3488.66



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	03/17/10	3506.48	17.71	17.76	0.05	3488.76
MW - 15	03/22/10	3506.48	17.68	17.93	0.25	3488.76
MW - 15	03/29/10	3506.48	17.64	17.70	0.06	3488.83
MW - 15	04/05/10	3506.48	17.68	17.76	0.08	3488.79
MW - 15	04/14/10	3506.48	17.68	17.73	0.05	3488.79
MW - 15	04/16/10	3506.48	17.61	17.73	0.12	3488.85
MW - 15	04/19/10	3506.48	17.63	17.69	0.06	3488.84
MW - 15	04/28/10	3506.48	17.58	17.62	0.04	3488.89
MW - 15	05/05/10	3506.48	17.52	17.61	0.09	3488.95
MW - 15	05/12/10	3506.48	17.57	17.59	0.02	3488.91
MW - 15	05/14/10	3506.48	17.57	17.59	0.02	3488.91
MW - 15	05/21/10	3506.48	17.49	17.51	0.02	3488.99
MW - 15	05/26/10	3506.48	sheen	17.64	0.00	3488.84
MW - 15	06/04/10	3506.48	sheen	17.55	0.00	3488.93
MW - 15	06/07/10	3506.48	sheen	17.85	0.00	3488.63
MW - 15	06/12/10	3506.48	sheen	17.80	0.00	3488.68
MW - 15	06/24/10	3506.48	sheen	18.00	0.00	3488.48
MW - 15	06/30/10	3506.48	sheen	18.01	0.00	3488.47
MW - 15	07/07/10	3506.48	sheen	17.40	0.00	3489.08
MW - 15	07/12/10	3506.48	sheen	17.31	0.00	3489.17
MW - 15	07/19/10	3506.48	sheen	17.28	0.00	3489.20
MW - 15	08/03/10	3506.48	17.20	17.22	0.02	3489.28
MW - 15	08/11/10	3506.48	17.20	17.22	0.02	3489.28
MW - 15	08/19/10	3506.48	17.14	17.25	0.11	3489.32
MW - 15	08/25/10	3506.48	17.20	17.38	0.18	3489.25
MW - 15	09/01/10	3506.48	17.21	17.46	0.25	3489.23
MW - 15	09/09/10	3506.48	17.29	17.69	0.40	3489.13
MW - 15	09/13/10	3506.48	17.19	17.21	0.02	3489.29
MW - 15	09/29/10	3506.48	17.39	17.98	0.59	3489.00
MW - 15	10/05/10	3506.48	17.21	17.22	0.01	3489.27
MW - 15	10/20/10	3506.48	17.47	18.35	0.88	3488.88
MW - 15	10/25/10	3506.48	17.49	18.32	0.83	3488.87
MW - 15	11/03/10	3506.48	17.21	17.24	0.03	3489.27
MW - 15	11/10/10	3506.48	17.54	17.60	0.06	3488.93
MW - 15	11/12/10	3506.48	17.54	17.60	0.06	3488.93
MW - 15	12/09/10	3506.48	17.26	17.31	0.05	3489.21
MW - 15	01/18/11	3506.48	17.53	17.58	0.05	3488.94
MW - 15	02/16/11	3506.48	17.50	17.64	0.14	3488.96
MW - 15	03/01/11	3506.48	17.40	17.86	0.46	3489.01
MW - 15	03/07/11	3506.48	17.35	17.75	0.40	3489.07
MW - 15	03/22/11	3506.48	17.51	17.66	0.15	3488.95
MW - 15	04/27/11	3506.48	17.41	17.85	0.44	3489.00
MW - 15	05/05/11	3506.48	17.47	17.87	0.40	3488.95
MW - 15	05/10/11	3506.48	17.50	17.85	0.35	3488.93
MW - 15	05/17/11	3506.48	17.49	17.82	0.33	3488.94
MW - 15	05/19/11	3506.48	17.49	17.82	0.33	3488.94
MW - 15	05/24/11	3506.48	17.62	17.94	0.32	3488.81
MW - 15	06/07/11	3506.48	17.68	18.03	0.35	3488.75
MW - 15	06/08/11	3506.48	17.69	18.25	0.56	3488.71
MW - 15	06/14/11	3506.48	17.60	17.98	0.38	3488.82
MW - 15	06/23/11	3506.48	17.69	17.97	0.28	3488.75
MW - 15	06/28/11	3506.48	17.49	17.77	0.28	3488.95
MW - 15	07/06/11	3506.48	17.49	17.87	0.38	3488.93
MW - 15	07/14/11	3506.48	17.83	18.03	0.20	3488.62

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	07/20/11	3506.48	18.03	18.40	0.37	3488.39
MW - 15	07/27/11	3506.48	18.02	18.25	0.23	3488.43
MW - 15	08/03/11	3506.48	18.07	18.26	0.19	3488.38
MW - 15	08/10/11	3506.48	18.06	18.26	0.20	3488.39
MW - 15	08/18/11	3506.48	18.09	18.34	0.25	3488.35
MW - 15	08/25/11	3506.48	-	18.70	0.00	3487.78
MW - 15	09/07/11	3506.48	-	18.45	0.00	3488.03
MW - 15	09/14/11	3506.48	-	18.40	0.00	3488.08
MW - 15	11/14/11	3506.48	-	18.23	0.00	3488.25
MW - 15	12/01/11	3506.48	-	18.22	0.00	3488.26
MW - 15	12/08/11	3506.48	-	18.25	0.00	3488.23
MW - 15	12/14/11	3506.48	-	18.21	0.00	3488.27
MW - 15	02/03/12	3506.48	-	18.04	0.00	3488.44
MW - 15	02/29/12	3506.48	-	17.96	0.00	3488.52
MW - 15	03/14/12	3506.48	-	17.88	0.00	3488.60
MW - 15	03/19/12	3506.48	-	17.96	0.00	3488.52
MW - 15	03/29/12	3506.48	-	17.89	0.00	3488.59
MW - 15	04/05/12	3506.48	-	17.84	0.00	3488.64
MW - 15	04/18/12	3506.48	-	17.78	0.00	3488.70
MW - 15	04/27/12	3506.48	-	17.84	0.00	3488.64
MW - 15	05/02/12	3506.48	-	17.86	0.00	3488.62
MW - 15	05/31/12	3506.48	-	17.83	0.00	3488.65
MW - 15	06/08/12	3506.48	-	17.85	0.00	3488.63
MW - 15	06/12/12	3506.48	-	17.89	0.00	3488.59
MW - 15	06/21/12	3506.48	-	17.91	0.00	3488.57
MW - 15	06/29/12	3506.48	-	17.93	0.00	3488.55
MW - 15	07/13/12	3506.48	18.11	18.43	0.32	3488.32
MW - 15	12/06/12	3506.48	20.09	20.31	0.22	3486.36
MW - 15	12/11/12	3506.48	20.08	20.27	0.19	3486.37
MW - 15	12/18/12	3506.48	20.07	20.22	0.15	3486.39
MW - 15	01/09/13	3506.48	20.06	20.29	0.23	3486.39
MW - 15	01/15/13	3506.48	20.06	20.11	0.05	3486.41
MW - 15	01/23/13	3506.48	20.04	20.07	0.03	3486.44
MW - 15	01/29/13	3506.48	20.00	20.05	0.05	3486.47
MW - 15	02/07/13	3506.48	20.02	20.10	0.08	3486.45
MW - 15	02/13/13	3506.48	19.99	20.00	0.01	3486.49
MW - 15	02/20/13	3506.48	19.97	19.99	0.02	3486.51
MW - 15	03/15/13	3506.48	-	19.94	0.00	3486.54
MW - 15	03/19/13	3506.48	-	19.94	0.00	3486.54
MW - 15	04/02/13	3506.48	-	19.91	0.00	3486.57
MW - 15	04/09/13	3506.48	-	19.88	0.00	3486.60
MW - 15	04/16/13	3506.48	-	19.88	0.00	3486.60
MW - 15	04/23/13	3506.48	-	19.88	0.00	3486.60
MW - 15	04/30/13	3506.48	-	19.84	0.00	3486.64
MW - 15	05/08/13	3506.48	-	19.87	0.00	3486.61
MW - 15	05/14/13	3506.48	-	19.87	0.00	3486.61
MW - 15	05/22/13	3506.48	-	19.83	0.00	3486.65
MW - 15	05/28/13	3506.48	-	19.86	0.00	3486.62
MW - 15	06/04/13	3506.48	-	19.88	0.00	3486.60
MW - 15	06/11/13	3506.48	-	19.91	0.00	3486.57
MW - 15	06/19/13	3506.48	-	19.97	0.00	3486.51
MW - 15	06/28/13	3506.48	-	21.11	0.00	3485.37
MW - 15	07/01/13	3506.48	-	20.22	0.00	3486.26
MW - 15	07/08/13	3506.48	-	20.20	0.00	3486.28

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	07/23/13	3506.48	20.26	20.34	0.08	3486.21
MW - 15	07/30/13	3506.48	-	20.19	0.00	3486.29
MW - 15	08/05/13	3506.48	-	20.21	0.00	3486.27
MW - 15	08/12/13	3506.48	-	20.17	0.00	3486.31
MW - 15	08/22/13	3506.48	-	20.36	0.00	3486.12
MW - 15	08/29/13	3506.48	-	20.34	0.00	3486.14
MW - 15	09/05/13	3506.48	-	20.38	0.00	3486.10
MW - 15	09/10/13	3506.48	-	20.58	0.00	3485.90
MW - 15	09/17/13	3506.48	-	20.58	0.00	3485.90
MW - 15	09/24/13	3506.48	-	20.51	0.00	3485.97
MW - 15	10/07/13	3506.48	-	20.61	0.00	3485.87
MW - 15	11/14/13	-	-	22.72	0.00	-
MW - 15	11/20/13	-	-	22.65	0.00	-
MW - 15	12/12/13	-	-	22.16	0.00	-
MW - 15	12/19/13	-	-	22.56	0.00	-
MW - 15	01/03/14	-	-	22.57	0.00	-
MW - 15	01/09/14	-	-	22.60	0.00	-
MW - 15	01/13/14	-	-	22.56	0.00	-
MW - 15	01/21/14	-	-	22.53	0.00	-
MW - 15	01/24/14	-	-	22.56	0.00	-
MW - 15	02/04/14	3511.77	-	22.47	0.00	3489.30
MW - 15	02/10/14	3511.77	-	22.49	0.00	3489.28
MW - 15	02/27/14	3511.77	-	22.44	0.00	3489.33
MW - 15	03/17/14	3511.77	-	22.33	0.00	3489.44
MW - 15	03/27/14	3511.77	-	22.33	0.00	3489.44
MW - 15	04/02/14	3511.77	-	22.35	0.00	3489.42
MW - 15	04/16/14	3511.77	-	22.29	0.00	3489.48
MW - 15	04/28/14	3511.77	-	22.29	0.00	3489.48
MW - 15	05/14/14	3511.77	-	22.29	0.00	3489.48
MW - 15	05/21/14	3511.77	-	22.29	0.00	3489.48
MW - 15	06/05/14	3511.77	-	22.39	0.00	3489.38
MW - 15	06/11/14	3511.77	-	22.45	0.00	3489.32
MW - 15	06/16/14	3511.77	-	22.55	0.00	3489.22
MW - 15	06/24/14	3511.77	-	22.65	0.00	3489.12
MW - 15	07/01/14	3511.77	-	22.76	0.00	3489.01
MW - 15	07/08/14	3511.77	-	22.77	0.00	3489.00
MW - 15	07/15/14	3511.77	22.78	22.80	0.02	3488.99
MW - 15	07/22/14	3511.77	22.84	22.88	0.04	3488.92
MW - 15	07/23/14	3511.77	22.84	22.88	0.04	3488.92
MW - 15	07/31/14	3511.77	22.90	24.11	1.21	3488.69
MW - 15	08/05/14	3511.77	22.92	22.95	0.03	3488.85
MW - 15	08/07/14	3511.77	22.90	23.98	1.08	3488.71
MW - 15	08/15/14	3511.77	22.92	23.73	0.81	3488.73
MW - 15	08/20/14	3511.77	22.94	23.18	0.24	3488.79
MW - 15	08/27/14	3511.77	22.98	23.31	0.33	3488.74
MW - 15	09/24/14	3511.77	-	22.25	0.00	3489.52
MW - 15	10/01/14	3511.77	-	21.90	0.00	3489.87
MW - 15	10/07/14	3511.77	-	21.81	0.00	3489.96
MW - 15	10/14/14	3511.77	-	21.75	0.00	3490.02
MW - 15	10/20/14	3511.77	-	21.72	0.00	3490.05
MW - 15	10/27/14	3511.77	-	21.69	0.00	3490.08
MW - 15	11/03/14	3511.77	21.72	21.77	0.05	3490.04
MW - 15	11/11/14	3511.77	-	21.68	0.00	3490.09
MW - 15	11/19/14	3511.77	21.65	21.66	0.01	3490.12

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	12/08/14	3511.77	21.70	21.89	0.19	3490.04
MW - 15	12/15/14	3511.77	-	21.72	0.00	3490.05
MW - 15	12/18/14	3511.77	-	21.75	0.00	3490.02
MW - 15	12/22/14	3511.77	-	21.75	0.00	3490.02
MW - 15	12/29/14	3511.77	21.72	21.75	0.03	3490.05
MW - 15	01/05/15	3511.77	-	21.76	0.00	3490.01
MW - 15	01/12/15	3511.77	-	21.79	0.00	3489.98
MW - 15	01/19/15	3511.77	-	21.78	0.00	3489.99
MW - 15	02/04/15	3511.77	-	21.81	0.00	3489.96
MW - 15	02/09/15	3511.77	-	21.75	0.00	3490.02
MW - 15	02/19/15	3511.77	-	21.81	0.00	3489.96
MW - 15	03/03/15	3511.77	-	21.79	0.00	3489.98
MW - 15	03/09/15	3511.77	-	21.79	0.00	3489.98
MW - 15	03/16/15	3511.77	-	21.80	0.00	3489.97
MW - 15	03/20/15	3511.77	-	21.85	0.00	3489.92
MW - 15	03/23/15	3511.77	-	21.85	0.00	3489.92
MW - 15	03/30/15	3511.77	-	21.86	0.00	3489.91
MW - 15	04/04/15	3511.77	-	21.79	0.00	3489.98
MW - 15	04/07/15	3511.77	-	21.79	0.00	3489.98
MW - 15	04/14/15	3511.77	-	21.78	0.00	3489.99
MW - 15	04/20/15	3511.77	-	21.71	0.00	3490.06
MW - 15	04/27/15	3511.77	-	21.75	0.00	3490.02
MW - 15	05/07/15	3511.77	-	21.61	0.00	3490.16
MW - 15	05/11/15	3511.77	-	21.60	0.00	3490.17
MW - 15	05/21/15	3511.77	-	21.60	0.00	3490.17
MW - 15	05/27/15	3511.77	-	21.60	0.00	3490.17
MW - 15	05/28/15	3511.77	-	21.55	0.00	3490.22
MW - 15	06/03/15	3511.77	-	21.57	0.00	3490.20
MW - 15	06/08/15	3511.77	-	21.56	0.00	3490.21
MW - 15	06/15/15	3511.77	-	21.61	0.00	3490.16
MW - 15	06/25/15	3511.77	-	21.57	0.00	3490.20
MW - 15	06/29/15	3511.77	21.50	21.51	0.01	3490.27
MW - 15	07/08/15	3511.77	-	21.74	0.00	3490.03
MW - 15	07/09/15	3511.77	-	21.68	0.00	3490.09
MW - 15	07/14/15	3511.77	-	21.72	0.00	3490.05
MW - 15	07/20/15	3511.77	-	21.75	0.00	3490.02
MW - 15	07/28/15	3511.77	-	21.83	0.00	3489.94
MW - 15	08/03/15	3511.77	-	21.92	0.00	3489.85
MW - 15	08/04/15	3511.77	-	21.93	0.00	3489.84
MW - 15	08/10/15	3511.77	-	21.97	0.00	3489.80
MW - 15	08/17/15	3511.77	-	22.12	0.00	3489.65
MW - 15	08/25/15	3511.77	21.95	22.01	0.06	3489.81
MW - 15	08/31/15	3511.77	21.93	22.06	0.13	3489.82
MW - 15	09/08/15	3511.77	-	21.96	0.00	3489.81
MW - 15	09/15/15	3511.77	-	22.12	0.00	3489.65
MW - 15	09/24/15	3511.77	-	22.29	0.00	3489.48
MW - 15	09/28/15	3511.77	-	22.32	0.00	3489.45
MW - 15	10/06/15	3511.77	-	22.20	0.00	3489.57
MW - 15	10/12/15	3511.77	-	22.00	0.00	3489.77
MW - 15	10/26/15	3511.77	-	21.99	0.00	3489.78
MW - 15	11/06/15	3511.77	-	21.92	0.00	3489.85
MW - 15	11/10/15	3511.77	-	21.81	0.00	3489.96
MW - 15	11/18/15	3511.77	-	21.92	0.00	3489.85
MW - 15	12/02/15	3511.77	-	21.79	0.00	3489.98

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	12/07/15	3511.77	-	21.89	0.00	3489.88
MW - 15	12/14/15	3511.77	-	21.81	0.00	3489.96
MW - 15	01/05/16	3511.77	-	21.73	0.00	3490.04
MW - 15	01/08/16	3511.77	-	21.76	0.00	3490.01
MW - 15	01/12/16	3511.77	-	21.83	0.00	3489.94
MW - 15	01/18/16	3511.77	-	21.70	0.00	3490.07
MW - 15	01/25/16	3511.77	-	21.66	0.00	3490.11
MW - 15	02/01/16	3511.77	-	21.55	0.00	3490.22
MW - 15	02/08/16	3511.77	-	21.69	0.00	3490.08
MW - 15	02/19/16	3511.77	-	21.66	0.00	3490.11
MW - 15	02/23/16	3511.77	-	21.59	0.00	3490.18
MW - 15	03/03/16	3511.77	-	21.69	0.00	3490.08
MW - 15	03/07/16	3511.77	-	21.58	0.00	3490.19
MW - 15	03/15/16	3511.77	-	21.60	0.00	3490.17
MW - 15	03/21/16	3511.77	-	21.57	0.00	3490.20
MW - 15	03/28/16	3511.77	-	21.50	0.00	3490.27
MW - 15	04/05/16	3511.77	-	21.46	0.00	3490.31
MW - 15	04/08/16	3511.77	-	21.56	0.00	3490.21
MW - 15	04/12/16	3511.77	-	21.45	0.00	3490.32
MW - 15	04/18/16	3511.77	-	21.52	0.00	3490.25
MW - 15	04/25/16	3511.77	-	21.43	0.00	3490.34
MW - 15	05/02/16	3511.77	-	22.77	0.00	3489.00
MW - 15	05/23/16	3511.77	-	21.43	0.00	3490.34
MW - 15	06/01/16	3511.77	-	21.47	0.00	3490.30
MW - 15	06/06/16	3511.77	-	21.50	0.00	3490.27
MW - 15	06/28/16	3511.77	-	21.66	0.00	3490.11
MW - 15	07/12/16	3511.77	-	21.99	0.00	3489.78
MW - 15	07/19/16	3511.77	-	22.01	0.00	3489.76
MW - 15	07/27/16	3511.77	-	22.09	0.00	3489.68
MW - 15	08/03/16	3511.77	-	22.05	0.00	3489.72
MW - 15	08/08/16	3511.77	-	22.12	0.00	3489.65
MW - 15	08/16/16	3511.77	22.12	22.19	0.07	3489.64
MW - 15	08/23/16	3511.77	-	22.22	0.00	3489.55
MW - 15	08/31/16	3511.77	-	22.07	0.00	3489.70
MW - 15	09/14/16	3511.77	-	21.28	0.00	3490.49
MW - 15	09/22/16	3511.77	-	21.11	0.00	3490.66
MW - 15	09/27/16	3511.77	-	21.03	0.00	3490.74
MW - 15	10/07/16	3511.77	-	20.95	0.00	3490.82
MW - 15	10/21/16	3511.77	-	20.98	0.00	3490.79
MW - 15	10/28/16	3511.77	-	20.96	0.00	3490.81
MW - 15	11/04/16	3511.77	-	20.99	0.00	3490.78
MW - 15	11/09/16	3511.77	-	21.07	0.00	3490.70
MW - 15	12/06/16	3511.77	-	21.03	0.00	3490.74
MW - 15	12/15/16	3511.77	-	21.12	0.00	3490.65
MW - 15	12/22/16	3511.77	-	21.18	0.00	3490.59
MW - 15	12/29/16	3511.77	-	21.29	0.00	3490.48
MW - 15	01/05/17	3511.77	-	21.06	0.00	3490.71
MW - 15	01/11/17	3511.77	-	21.09	0.00	3490.68
MW - 15	01/18/17	3511.77	-	21.08	0.00	3490.69
MW - 15	01/26/17	3511.77	-	21.15	0.00	3490.62
MW - 15	01/31/17	3511.77	-	21.06	0.00	3490.71
MW - 15	02/10/17	3511.77	-	21.08	0.00	3490.69
MW - 15	02/17/17	3511.77	-	21.04	0.00	3490.73
MW - 15	02/24/17	3511.77	-	21.10	0.00	3490.67

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	03/01/17	3511.77	-	21.11	0.00	3490.66
MW - 15	03/09/17	3511.77	-	21.11	0.00	3490.66
MW - 15	03/15/17	3511.77	-	21.10	0.00	3490.67
MW - 15	03/22/17	3511.77	-	21.14	0.00	3490.63
MW - 15	03/29/17	3511.77	-	21.11	0.00	3490.66
MW - 15	04/07/17	3511.77	-	21.09	0.00	3490.68
MW - 15	04/11/17	3511.77	-	21.09	0.00	3490.68
MW - 15	04/20/17	3511.77	-	21.06	0.00	3490.71
MW - 15	05/02/17	3511.77	-	20.98	0.00	3490.79
MW - 15	05/12/17	3511.77	-	21.10	0.00	3490.67
MW - 15	05/16/17	3511.77	-	21.02	0.00	3490.75
MW - 15	05/23/17	3511.77	-	21.07	0.00	3490.70
MW - 15	06/05/17	3511.77	-	21.12	0.00	3490.65
MW - 15	06/15/17	3511.77	-	21.23	0.00	3490.54
MW - 15	06/28/17	3511.77	-	21.43	0.00	3490.34
MW - 15	07/05/17	3511.77	-	21.45	0.00	3490.32
MW - 15	07/11/17	3511.77	-	21.45	0.00	3490.32
MW - 15	07/17/17	3511.77	-	21.43	0.00	3490.34
MW - 15	07/20/17	3511.77	-	21.62	0.00	3490.15
MW - 15	08/16/17	3511.77	-	21.48	0.00	3490.29
MW - 15	09/05/17	3511.77	-	21.30	0.00	3490.47
MW - 15	09/13/17	3511.77	-	21.27	0.00	3490.50
MW - 15	09/19/17	3511.77	-	21.32	0.00	3490.45
MW - 15	09/29/17	3511.77	-	21.51	0.00	3490.26
MW - 15	10/05/17	3511.77	-	21.57	0.00	3490.20
MW - 15	10/12/17	3511.77	-	21.32	0.00	3490.45
MW - 15	10/20/17	3511.77	-	21.32	0.00	3490.45
MW - 15	10/24/17	3511.77	-	21.34	0.00	3490.43
MW - 15	11/02/17	3511.77	-	21.29	0.00	3490.48
MW - 15	11/14/17	3511.77	-	21.20	0.00	3490.57
MW - 15	12/20/17	3511.77	-	22.16	0.00	3489.61
MW - 15	12/28/17	3511.77	-	21.13	0.00	3490.64
MW - 15	01/03/18	3511.77	-	21.13	0.00	3490.64
MW - 15	01/09/18	3511.77	-	21.09	0.00	3490.68
MW - 15	01/19/18	3511.77	-	21.10	0.00	3490.67
MW - 15	01/24/18	3511.77	-	21.13	0.00	3490.64
MW - 15	02/07/18	3511.77	-	21.13	0.00	3490.64
MW - 15	02/12/18	3511.77	-	21.11	0.00	3490.66
MW - 15	02/22/18	3511.77	-	21.08	0.00	3490.69
MW - 15	03/02/18	3511.77	-	21.09	0.00	3490.68
MW - 15	03/07/18	3511.77	-	21.07	0.00	3490.70
MW - 15	03/19/18	3511.77	-	21.10	0.00	3490.67
MW - 15	03/29/18	3511.77	-	21.06	0.00	3490.71
MW - 15	04/02/18	3511.77	-	21.02	0.00	3490.75
MW - 15	04/11/18	3511.77	-	21.02	0.00	3490.75
MW - 15	04/16/18	3511.77	-	21.02	0.00	3490.75
MW - 15	04/25/18	3511.77	-	21.04	0.00	3490.73
MW - 15	05/01/18	3511.77	-	21.03	0.00	3490.74
MW - 15	05/08/18	3511.77	-	21.05	0.00	3490.72
MW - 15	05/22/18	3511.77	-	21.24	0.00	3490.53
MW - 15	05/31/18	3511.77	-	21.29	0.00	3490.48
MW - 15	06/06/18	3511.77	-	21.39	0.00	3490.38
MW - 15	06/13/18	3511.77	-	21.44	0.00	3490.33
MW - 15	06/18/18	3511.77	-	21.44	0.00	3490.33

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	06/25/18	3511.77	-	21.47	0.00	3490.30
MW - 15	07/02/18	3511.77	-	21.57	0.00	3490.20
MW - 15	07/11/18	3511.77	-	21.73	0.00	3490.04
MW - 15	07/19/18	3511.77	-	21.69	0.00	3490.08
MW - 15	07/27/18	3511.77	-	21.75	0.00	3490.02
MW - 15	08/08/18	3511.77	-	21.84	0.00	3489.93
MW - 15	08/30/18	3511.77	-	21.95	0.00	3489.82
MW - 15	09/12/18	3511.77	-	22.01	0.00	3489.76
MW - 15	09/20/18	3511.77	-	21.82	0.00	3489.95
MW - 15	09/26/18	3511.77	-	21.93	0.00	3489.84
MW - 15	10/03/18	3511.77	-	21.81	0.00	3489.96
MW - 15	10/19/18	3511.77	-	21.84	0.00	3489.93
MW - 15	10/31/18	3511.77	-	21.67	0.00	3490.10
MW - 15	11/06/18	3511.77	-	21.67	0.00	3490.10
MW - 15	11/13/18	3511.77	-	21.68	0.00	3490.09
MW - 15	12/03/18	3511.77	-	21.61	0.00	3490.16
MW - 15	12/19/18	3511.77	-	21.51	0.00	3490.26
MW - 15	12/27/18	3511.77	-	21.50	0.00	3490.27
MW - 15	01/03/19	3511.77	-	21.61	0.00	3490.16
MW - 15	01/09/19	3511.77	-	21.56	0.00	3490.21
MW - 15	01/16/19	3511.77	-	21.53	0.00	3490.24
MW - 15	01/31/19	3511.77	-	21.54	0.00	3490.23
MW - 15	02/06/19	3511.77	-	21.45	0.00	3490.32
MW - 15	02/12/19	3511.77	-	21.47	0.00	3490.30
MW - 15	02/28/19	3511.77	-	21.43	0.00	3490.34
MW - 15	03/06/19	3511.77	-	21.46	0.00	3490.31
MW - 15	03/12/19	3511.77	-	21.41	0.00	3490.36
MW - 15	03/19/19	3511.77	-	21.51	0.00	3490.26
MW - 15	03/28/19	3511.77	-	21.41	0.00	3490.36
MW - 15	04/01/19	3511.77	-	21.45	0.00	3490.32
MW - 15	04/10/19	3511.77	-	21.36	0.00	3490.41
MW - 15	04/17/19	3511.77	-	21.31	0.00	3490.46
MW - 15	04/24/19	3511.77	-	21.33	0.00	3490.44
MW - 15	05/01/19	3511.77	-	21.32	0.00	3490.45
MW - 15	05/08/19	3511.77	-	21.30	0.00	3490.47
MW - 15	06/14/19	3511.77	-	21.50	0.00	3490.27
MW - 15	06/28/19	3511.77	-	21.61	0.00	3490.16
MW - 15	07/11/19	3511.77	-	21.75	0.00	3490.02
MW - 15	08/08/19	3511.77	-	22.00	0.00	3489.77
MW - 15	09/12/19	3511.77	-	22.12	0.00	3489.65
MW - 15	09/17/19	3511.77	-	22.19	0.00	3489.58
MW - 15	10/08/19	3511.77	-	21.95	0.00	3489.82
MW - 15	10/15/19	3511.77	-	21.91	0.00	3489.86
MW - 15	11/06/19	3511.77	-	21.86	0.00	3489.91
MW - 15	12/17/19	3511.77	-	21.67	0.00	3490.10
MW - 15	01/06/20	3511.77	-	21.60	0.00	3490.17
MW - 15	01/23/20	3511.77	-	21.58	0.00	3490.19
MW - 15	02/21/20	3511.77	-	21.56	0.00	3490.21
MW - 15	03/05/20	3511.77	-	21.55	0.00	3490.22
MW - 15	05/14/20	3511.77	-	21.29	0.00	3490.48
MW - 15	05/21/20	3511.77	-	21.30	0.00	3490.47
MW - 15	06/18/20	3511.77	-	21.66	0.00	3490.11
MW - 15	07/01/20	3511.77	-	21.86	0.00	3489.91
MW - 15	07/21/20	3511.77	-	22.01	0.00	3489.76

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 15	08/13/20	3511.77	-	22.21	0.00	3489.56
MW - 15	09/14/20	3511.77	22.28	22.30	0.02	3489.49
MW - 15	09/30/20	3511.77	22.30	22.31	0.01	3489.47
MW - 15	10/16/20	3511.77	-	22.34	0.00	3489.43
MW - 15	11/23/20	3511.77	-	22.42	0.00	3489.35
MW - 15	12/10/20	3511.77	-	22.44	0.00	3489.33
MW - 15	12/31/20	3511.77	-	22.43	0.00	3489.34
MW - 15	01/13/21	3511.77	-	22.32	0.00	3489.45
MW - 15	01/22/21	3511.77	-	22.34	0.00	3489.43
MW - 15	02/11/21	3511.77	-	22.32	0.00	3489.45
MW - 15	04/21/21	3511.77	-	22.21	0.00	3489.56
MW - 15	04/28/21	3511.77	-	22.18	0.00	3489.59
MW - 15	06/11/21	3511.77	-	22.22	0.00	3489.55
MW - 15	07/31/21	3511.77	-	22.20	0.00	3489.57
MW - 15	08/31/21	3511.77	-	22.42	0.00	3489.35
MW - 15	09/23/21	3511.77	-	22.46	0.00	3489.31
MW - 15	10/14/21	3511.77	-	22.51	0.00	3489.26
MW - 15	10/28/21	3511.77	-	22.55	0.00	3489.22
MW - 15	12/06/21	3511.77	-	22.58	0.00	3489.19
MW - 15	02/23/22	3511.77	-	22.49	0.00	3489.28
MW - 15	03/16/22	3511.77	-	22.46	0.00	3489.31
MW - 15	04/20/22	3511.77	-	22.47	0.00	3489.30
MW - 15	05/11/22	3511.77	-	22.52	0.00	3489.25
MW - 15	08/16/22	3511.77	-	22.90	0.00	3488.87
MW - 15	11/11/22	3511.77	-	22.76	0.00	3489.01
MW - 16	06/20/02	3509.38	-	20.88	0.00	3488.50
MW - 16	09/26/02	3509.38	-	21.43	0.00	3487.95
MW - 16	11/12/02	3509.38	-	21.24	0.00	3488.14
MW - 16	02/12/03	3509.38	-	20.89	0.00	3488.49
MW - 16	05/14/03	3509.38	-	21.10	0.00	3488.28
MW - 16	08/21/03	3509.38	-	21.86	0.00	3487.52
MW - 16	12/10/03	3509.38	-	21.85	0.00	3487.53
MW - 16	02/11/04	3509.38	-	21.82	0.00	3487.56
MW - 16	05/11/04	3509.38	-	20.63	0.00	3488.75
MW - 16	08/25/04	3509.38	-	21.10	0.00	3488.28
MW - 16	12/02/04	3509.38	-	20.37	0.00	3489.01
MW - 16	03/08/05	3509.38	-	19.73	0.00	3489.65
MW - 16	06/08/05	3509.38	-	19.27	0.00	3490.11
MW - 16	09/15/05	3509.38	-	19.56	0.00	3489.82
MW - 16	12/12/05	3509.38	-	19.37	0.00	3490.01
MW - 16	03/16/06	3509.38	-	19.30	0.00	3490.08
MW - 16	06/15/06	3509.38	-	19.79	0.00	3489.59
MW - 16	09/18/06	3509.38	-	19.53	0.00	3489.85
MW - 16	11/30/06	3509.38	-	19.48	0.00	3489.90
MW - 16	02/27/07	3509.38	-	19.32	0.00	3490.06
MW - 16	05/22/07	3509.38	-	23.23	0.00	3486.15
MW - 16	08/15/07	3509.38	-	19.86	0.00	3489.52
MW - 16	11/06/07	3509.38	-	19.65	0.00	3489.73
MW - 16	02/12/08	3509.38	-	19.47	0.00	3489.91
MW - 16	05/13/08	3509.38	-	19.42	0.00	3489.96
MW - 16	08/14/08	3509.38	-	20.26	0.00	3489.12
MW - 16	11/12/08	3509.38	-	19.73	0.00	3489.65
MW - 16	02/10/09	3509.38	-	19.58	0.00	3489.80



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 16	05/12/09	3509.38	-	19.51	0.00	3489.87
MW - 16	08/10/09	3509.38	-	20.23	0.00	3489.15
MW - 16	11/18/09	3509.38	-	20.42	0.00	3488.96
MW - 16	01/04/10	3509.38	-	20.36	0.00	3489.02
MW - 16	02/09/10	3509.38	-	20.18	0.00	3489.20
MW - 16	05/12/10	3509.38	-	19.75	0.00	3489.63
MW - 16	08/11/10	3509.38	-	19.75	0.00	3489.63
MW - 16	11/11/10	3509.38	-	20.40	0.00	3488.98
MW - 16	02/16/11	3509.38	-	20.39	0.00	3488.99
MW - 16	05/19/11	3509.38	-	20.42	0.00	3488.96
MW - 16	08/10/11	3509.38	-	20.55	0.00	3488.83
MW - 16	11/14/11	3509.38	-	20.51	0.00	3488.87
MW - 16	02/29/12	3509.38	-	20.20	0.00	3489.18
MW - 16	05/02/12	3509.38	-	20.11	0.00	3489.27
MW - 16	12/06/12	3509.38	-	20.48	0.00	3488.90
MW - 16	02/13/13	3509.38	-	20.34	0.00	3489.04
MW - 16	05/22/13	3509.38	-	20.19	0.00	3489.19
MW - 16	08/12/13	3509.38	-	20.57	0.00	3488.81
MW - 16	11/20/13	3509.38	-	20.65	0.00	3488.73
MW - 16	02/04/14	3510.44	-	20.43	0.00	3490.01
MW - 16	05/14/14	3510.44	-	20.27	0.00	3490.17
MW - 16	07/22/14	3510.44	-	20.93	0.00	3489.51
MW - 16	08/05/14	3510.44	-	21.00	0.00	3489.44
MW - 16	10/27/14	3510.44	-	19.93	0.00	3490.51
MW - 16	11/19/14	3510.44	-	19.86	0.00	3490.58
MW - 16	02/09/15	3510.44	-	19.81	0.00	3490.63
MW - 16	03/20/15	3510.44	-	19.80	0.00	3490.64
MW - 16	04/04/15	3510.44	-	19.77	0.00	3490.67
MW - 16	05/27/15	3510.44	-	19.62	0.00	3490.82
MW - 16	07/09/15	3510.44	-	19.71	0.00	3490.73
MW - 16	08/03/15	3510.44	-	20.01	0.00	3490.43
MW - 16	09/24/15	3510.44	-	20.25	0.00	3490.19
MW - 16	11/18/15	3510.44	-	19.84	0.00	3490.60
MW - 16	01/08/16	3510.44	-	19.72	0.00	3490.72
MW - 16	02/23/16	3510.44	-	19.64	0.00	3490.80
MW - 16	04/08/16	3510.44	-	19.53	0.00	3490.91
MW - 16	06/06/16	3510.44	-	19.60	0.00	3490.84
MW - 16	06/28/16	3510.44	-	19.85	0.00	3490.59
MW - 16	07/27/16	3510.44	-	20.19	0.00	3490.25
MW - 16	08/03/16	3510.44	-	20.26	0.00	3490.18
MW - 16	09/27/16	3510.44	-	19.37	0.00	3491.07
MW - 16	10/21/16	3510.44	-	19.20	0.00	3491.24
MW - 16	11/08/16	3510.44	-	19.19	0.00	3491.25
MW - 16	01/26/17	3510.44	-	19.22	0.00	3491.22
MW - 16	02/28/17	3510.44	-	19.20	0.00	3491.24
MW - 16	03/15/17	3510.44	-	19.17	0.00	3491.27
MW - 16	05/23/17	3510.44	-	19.18	0.00	3491.26
MW - 16	08/16/17	3510.44	-	19.66	0.00	3490.78
MW - 16	09/13/17	3510.44	-	19.79	0.00	3490.65
MW - 16	10/12/17	3510.44	-	19.42	0.00	3491.02
MW - 16	11/13/17	3510.44	-	19.35	0.00	3491.09
MW - 16	12/20/17	3510.44	-	19.26	0.00	3491.18
MW - 16	01/09/18	3510.44	-	19.24	0.00	3491.20
MW - 16	02/07/18	3510.44	-	19.21	0.00	3491.23

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 16	03/29/18	3510.44	-	19.15	0.00	3491.29
MW - 16	04/16/18	3510.44	-	19.11	0.00	3491.33
MW - 16	05/21/18	3510.44	-	19.32	0.00	3491.12
MW - 16	06/18/18	3510.44	-	19.61	0.00	3490.83
MW - 16	07/11/18	3510.44	-	19.76	0.00	3490.68
MW - 16	08/08/18	3510.44	-	20.01	0.00	3490.43
MW - 16	09/12/18	3510.44	-	20.09	0.00	3490.35
MW - 16	11/12/18	3510.44	-	19.75	0.00	3490.69
MW - 16	01/09/19	3510.44	-	19.58	0.00	3490.86
MW - 16	02/12/19	3510.44	-	19.52	0.00	3490.92
MW - 16	03/12/19	3510.44	-	19.47	0.00	3490.97
MW - 16	04/01/19	3510.44	-	19.40	0.00	3491.04
MW - 16	05/07/19	3510.44	-	19.32	0.00	3491.12
MW - 16	06/14/19	3510.44	-	19.57	0.00	3490.87
MW - 16	07/11/19	3510.44	-	19.89	0.00	3490.55
MW - 16	08/07/19	3510.44	-	20.10	0.00	3490.34
MW - 16	09/12/19	3510.44	-	20.25	0.00	3490.19
MW - 16	10/15/19	3510.44	-	20.05	0.00	3490.39
MW - 16	11/05/19	3510.44	-	19.97	0.00	3490.47
MW - 16	12/17/19	3510.44	-	19.76	0.00	3490.68
MW - 16	01/06/20	3510.44	-	19.70	0.00	3490.74
MW - 16	03/04/20	3510.44	-	19.60	0.00	3490.84
MW - 16	05/14/20	3510.44	-	19.36	0.00	3491.08
MW - 16	06/17/20	3510.44	-	19.83	0.00	3490.61
MW - 16	07/21/20	3510.44	-	20.15	0.00	3490.29
MW - 16	08/12/20	3510.44	-	20.28	0.00	3490.16
MW - 16	09/14/20	3510.44	-	20.42	0.00	3490.02
MW - 16	12/09/20	3510.44	-	20.51	0.00	3489.93
MW - 16	01/13/21	3510.44	-	20.44	0.00	3490.00
MW - 16	02/10/21	3510.44	-	20.37	0.00	3490.07
MW - 16	04/21/21	3510.44	-	20.26	0.00	3490.18
MW - 16	06/09/21	3510.44	-	20.25	0.00	3490.19
MW - 16	09/22/21	3510.44	-	20.61	0.00	3489.83
MW - 16	10/14/21	3510.44	-	20.64	0.00	3489.80
MW - 16	12/06/21	3510.44	-	20.67	0.00	3489.77
MW - 16	03/14/22	3510.44	-	20.67	0.00	3489.77
MW - 16	04/20/22	3510.44	-	20.52	0.00	3489.92
MW - 16	05/09/22	3510.44	-	20.58	0.00	3489.86
MW - 16	08/16/22	3510.44	-	21.12	0.00	3489.32
MW - 16	11/09/22	3510.44	-	20.88	0.00	3489.56
MW - 17	06/20/02	3507.56	-	19.87	0.00	3487.69
MW - 17	09/26/02	3507.56	-	20.30	0.00	3487.26
MW - 17	11/12/02	3507.56	-	20.23	0.00	3487.33
MW - 17	02/12/03	3507.56	-	19.88	0.00	3487.68
MW - 17	05/14/03	3507.56	-	20.09	0.00	3487.47
MW - 17	08/21/03	3507.56	-	20.74	0.00	3486.82
MW - 17	12/10/03	3507.56	-	20.71	0.00	3486.85
MW - 17	05/11/04	3507.56	-	19.63	0.00	3487.93
MW - 17	08/25/04	3507.56	-	19.96	0.00	3487.60
MW - 17	12/02/04	3507.56	-	19.23	0.00	3488.33
MW - 17	03/08/05	3507.56	-	18.74	0.00	3488.82
MW - 17	06/08/05	3507.56	-	18.28	0.00	3489.28
MW - 17	09/15/05	3507.56	-	18.43	0.00	3489.13

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 17	12/12/05	3507.56	-	18.28	0.00	3489.28
MW - 17	03/16/06	3507.56	-	18.25	0.00	3489.31
MW - 17	06/15/06	3507.56	-	18.60	0.00	3488.96
MW - 17	09/18/06	3507.56	-	18.40	0.00	3489.16
MW - 17	11/30/06	3507.56	-	18.39	0.00	3489.17
MW - 17	02/27/07	3507.56	-	18.22	0.00	3489.34
MW - 17	05/22/07	3507.56	-	18.03	0.00	3489.53
MW - 17	08/15/07	3507.56	-	18.67	0.00	3488.89
MW - 17	11/06/07	3507.56	-	18.51	0.00	3489.05
MW - 17	02/12/08	3507.56	-	18.36	0.00	3489.20
MW - 17	05/13/08	3507.56	-	18.36	0.00	3489.20
MW - 17	08/14/08	3507.56	-	19.03	0.00	3488.53
MW - 17	11/12/08	3507.56	-	18.65	0.00	3488.91
MW - 17	01/19/09	3507.56	18.51	18.63	0.12	3489.03
MW - 17	02/10/09	3507.56	-	18.47	0.00	3489.09
MW - 17	05/12/09	3507.56	-	18.44	0.00	3489.12
MW - 17	08/10/09	3507.56	-	18.99	0.00	3488.57
MW - 17	11/18/09	3507.56	-	19.28	0.00	3488.28
MW - 17	01/04/10	3507.56	-	19.24	0.00	3488.32
MW - 17	02/09/10	3507.56	-	19.09	0.00	3488.47
MW - 17	05/12/10	3507.56	-	18.70	0.00	3488.86
MW - 17	08/11/10	3507.56	-	18.70	0.00	3488.86
MW - 17	11/11/10	3507.56	-	19.29	0.00	3488.27
MW - 17	02/16/11	3507.56	-	19.31	0.00	3488.25
MW - 17	05/19/11	3507.56	-	19.34	0.00	3488.22
MW - 17	08/10/11	3507.56	-	19.39	0.00	3488.17
MW - 17	11/14/11	3507.56	-	19.37	0.00	3488.19
MW - 17	02/29/12	3507.56	-	19.12	0.00	3488.44
MW - 17	05/02/12	3507.56	-	19.01	0.00	3488.55
MW - 17	12/06/12	3507.56	-	20.19	0.00	3487.37
MW - 17	02/13/13	3507.56	-	20.07	0.00	3487.49
MW - 17	05/22/13	3507.56	-	19.84	0.00	3487.72
MW - 17	08/12/13	3507.56	-	20.17	0.00	3487.39
MW - 17	11/20/13	3507.56	-	20.27	0.00	3487.29
MW - 17	02/04/14	3509.33	-	20.09	0.00	3489.24
MW - 17	05/14/14	3509.33	-	19.94	0.00	3489.39
MW - 17	07/22/14	3509.33	-	20.49	0.00	3488.84
MW - 17	08/05/14	3509.33	-	20.53	0.00	3488.80
MW - 17	10/27/14	3509.33	-	19.36	0.00	3489.97
MW - 17	11/19/14	3509.33	-	19.32	0.00	3490.01
MW - 17	02/09/15	3509.33	-	19.42	0.00	3489.91
MW - 17	03/20/15	3509.33	-	19.42	0.00	3489.91
MW - 17	04/04/15	3509.33	-	19.40	0.00	3489.93
MW - 17	05/27/15	3509.33	-	19.23	0.00	3490.10
MW - 17	07/09/15	3509.33	-	19.22	0.00	3490.11
MW - 17	08/03/15	3509.33	-	19.49	0.00	3489.84
MW - 17	09/24/15	3509.33	-	19.73	0.00	3489.60
MW - 17	11/18/15	3509.33	-	19.40	0.00	3489.93
MW - 17	01/08/16	3509.33	-	19.31	0.00	3490.02
MW - 17	02/23/16	3509.33	-	19.25	0.00	3490.08
MW - 17	04/08/16	3509.33	-	19.17	0.00	3490.16
MW - 17	06/06/16	3509.33	-	19.17	0.00	3490.16
MW - 17	06/28/16	3509.33	-	19.36	0.00	3489.97
MW - 17	07/27/16	3509.33	-	19.67	0.00	3489.66

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 17	08/03/16	3509.33	-	19.73	0.00	3489.60
MW - 17	09/27/16	3509.33	-	18.67	0.00	3490.66
MW - 17	10/21/16	3509.33	-	18.64	0.00	3490.69
MW - 17	11/08/16	3509.33	-	18.69	0.00	3490.64
MW - 17	01/26/17	3509.33	-	18.79	0.00	3490.54
MW - 17	02/28/17	3509.33	-	18.78	0.00	3490.55
MW - 17	03/15/17	3509.33	-	18.76	0.00	3490.57
MW - 17	05/23/17	3509.33	-	18.73	0.00	3490.60
MW - 17	07/20/17	3509.33	-	19.23	0.00	3490.10
MW - 17	08/16/17	3509.33	-	19.13	0.00	3490.20
MW - 17	09/13/17	3509.33	-	19.28	0.00	3490.05
MW - 17	10/12/17	3509.33	-	19.91	0.00	3489.42
MW - 17	11/13/17	3509.33	-	18.88	0.00	3490.45
MW - 17	12/20/17	3509.33	-	18.83	0.00	3490.50
MW - 17	01/09/18	3509.33	-	18.81	0.00	3490.52
MW - 17	02/07/18	3509.33	-	18.81	0.00	3490.52
MW - 17	03/29/18	3509.33	-	18.76	0.00	3490.57
MW - 17	04/16/18	3509.33	-	18.73	0.00	3490.60
MW - 17	05/21/18	3509.33	-	18.88	0.00	3490.45
MW - 17	06/18/18	3509.33	-	19.16	0.00	3490.17
MW - 17	07/11/18	3509.33	-	19.32	0.00	3490.01
MW - 17	08/08/18	3509.33	-	19.49	0.00	3489.84
MW - 17	09/12/18	3509.33	-	19.62	0.00	3489.71
MW - 17	11/12/18	3509.33	-	19.28	0.00	3490.05
MW - 17	01/09/19	3509.33	-	19.16	0.00	3490.17
MW - 17	02/12/19	3509.33	-	19.13	0.00	3490.20
MW - 17	03/12/19	3509.33	-	19.06	0.00	3490.27
MW - 17	04/01/19	3509.33	-	19.03	0.00	3490.30
MW - 17	05/07/19	3509.33	-	18.93	0.00	3490.40
MW - 17	06/14/19	3509.33	-	19.13	0.00	3490.20
MW - 17	07/11/19	3509.33	-	19.41	0.00	3489.92
MW - 17	08/07/19	3509.33	-	19.57	0.00	3489.76
MW - 17	09/12/19	3509.33	-	19.76	0.00	3489.57
MW - 17	10/15/19	3509.33	-	19.51	0.00	3489.82
MW - 17	11/06/19	3509.33	-	19.51	0.00	3489.82
MW - 17	01/06/20	3509.33	-	19.27	0.00	3490.06
MW - 17	03/04/20	3509.33	-	19.19	0.00	3490.14
MW - 17	05/14/20	3509.33	-	18.95	0.00	3490.38
MW - 17	06/17/20	3509.33	-	19.31	0.00	3490.02
MW - 17	07/21/20	3509.33	-	19.62	0.00	3489.71
MW - 17	08/13/20	3509.33	-	19.76	0.00	3489.57
MW - 17	09/14/20	3509.33	-	19.89	0.00	3489.44
MW - 17	12/09/20	3509.33	-	20.06	0.00	3489.27
MW - 17	01/13/21	3509.33	-	20.02	0.00	3489.31
MW - 17	02/10/21	3509.33	-	19.97	0.00	3489.36
MW - 17	04/21/21	3509.33	-	19.86	0.00	3489.47
MW - 17	06/09/21	3509.33	-	19.84	0.00	3489.49
MW - 17	09/22/21	3509.33	-	20.09	0.00	3489.24
MW - 17	10/14/21	3509.33	-	20.13	0.00	3489.20
MW - 17	12/06/21	3509.33	-	20.21	0.00	3489.12
MW - 17	03/14/22	3509.33	-	20.15	0.00	3489.18
MW - 17	04/20/22	3509.33	-	20.12	0.00	3489.21
MW - 17	05/09/22	3509.33	-	-	0.00	-
MW - 17	08/16/22	3509.33	-	20.60	0.00	3488.73

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 17	11/09/22	3509.33	-	20.45	0.00	3488.88
MW - 18	06/20/02	3509.12	-	21.29	0.00	3487.83
MW - 18	09/26/02	3509.12	-	21.70	0.00	3487.42
MW - 18	11/12/02	3509.12	-	21.61	0.00	3487.51
MW - 18	02/12/03	3509.12	-	21.29	0.00	3487.83
MW - 18	05/14/03	3509.12	-	21.34	0.00	3487.78
MW - 18	08/21/03	3509.12	-	22.13	0.00	3486.99
MW - 18	12/10/03	3509.12	-	22.11	0.00	3487.01
MW - 18	02/11/04	3509.12	-	22.21	0.00	3486.91
MW - 18	05/11/04	3509.12	-	20.97	0.00	3488.15
MW - 18	08/10/04	3509.12	19.50	19.58	0.08	3489.61
MW - 18	08/25/04	3509.12	-	21.38	0.00	3487.74
MW - 18	12/02/04	3509.12	-	20.68	0.00	3488.44
MW - 18	03/08/05	3509.12	-	20.12	0.00	3489.00
MW - 18	06/08/05	3509.12	-	19.62	0.00	3489.50
MW - 18	09/15/05	3509.12	-	19.79	0.00	3489.33
MW - 18	12/12/05	3509.12	-	19.62	0.00	3489.50
MW - 18	03/16/06	3509.12	-	19.51	0.00	3489.61
MW - 18	06/15/06	3509.12	-	20.06	0.00	3489.06
MW - 18	09/18/06	3509.12	-	19.82	0.00	3489.30
MW - 18	11/30/06	3509.12	-	19.79	0.00	3489.33
MW - 18	02/27/07	3509.12	-	19.62	0.00	3489.50
MW - 18	05/22/07	3509.12	-	19.44	0.00	3489.68
MW - 18	08/15/07	3509.12	-	20.13	0.00	3488.99
MW - 18	11/06/07	3509.12	-	19.94	0.00	3489.18
MW - 18	02/12/08	3509.12	-	19.79	0.00	3489.33
MW - 18	05/13/08	3509.12	-	19.73	0.00	3489.39
MW - 18	08/14/08	3509.12	-	20.52	0.00	3488.60
MW - 18	11/12/08	3509.12	-	20.05	0.00	3489.07
MW - 18	02/10/09	3509.12	-	19.92	0.00	3489.20
MW - 18	05/12/09	3509.12	-	19.87	0.00	3489.25
MW - 18	08/10/09	3509.12	-	20.50	0.00	3488.62
MW - 18	11/18/09	3509.12	-	20.72	0.00	3488.40
MW - 18	01/04/10	3509.12	-	20.67	0.00	3488.45
MW - 18	02/09/10	3509.12	-	20.54	0.00	3488.58
MW - 18	05/12/10	3509.12	-	20.04	0.00	3489.08
MW - 18	08/11/10	3509.12	-	20.03	0.00	3489.09
MW - 18	11/11/10	3509.12	-	20.70	0.00	3488.42
MW - 18	02/16/11	3509.12	-	20.73	0.00	3488.39
MW - 18	05/19/11	3509.12	-	20.71	0.00	3488.41
MW - 18	08/10/11	3509.12	-	20.81	0.00	3488.31
MW - 18	11/14/11	3509.12	-	20.84	0.00	3488.28
MW - 18	02/29/12	3509.12	-	20.59	0.00	3488.53
MW - 18	05/02/12	3509.12	-	20.50	0.00	3488.62
MW - 18	12/06/12	3509.12	-	20.86	0.00	3488.26
MW - 18	02/13/13	3509.12	-	20.74	0.00	3488.38
MW - 18	05/22/13	3509.12	-	20.61	0.00	3488.51
MW - 18	08/12/13	3509.12	-	20.94	0.00	3488.18
MW - 18	11/20/13	3509.12	-	21.03	0.00	3488.09
MW - 18	02/04/14	3510.17	-	20.85	0.00	3489.32
MW - 18	05/14/14	3510.17	-	20.69	0.00	3489.48
MW - 18	07/22/14	3510.17	-	21.23	0.00	3488.94
MW - 18	08/05/14	3510.17	-	21.28	0.00	3488.89

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 18	10/27/14	3510.17	-	20.17	0.00	3490.00
MW - 18	11/19/14	3510.17	-	20.16	0.00	3490.01
MW - 18	02/09/15	3510.17	-	20.18	0.00	3489.99
MW - 18	03/20/15	3510.17	-	20.18	0.00	3489.99
MW - 18	04/04/15	3510.17	-	20.12	0.00	3490.05
MW - 18	05/27/15	3510.17	-	20.03	0.00	3490.14
MW - 18	07/09/15	3510.17	-	20.00	0.00	3490.17
MW - 18	08/03/15	3510.17	-	20.28	0.00	3489.89
MW - 18	09/24/15	3510.17	-	20.52	0.00	3489.65
MW - 18	11/18/15	3510.17	-	20.22	0.00	3489.95
MW - 18	01/08/16	3510.17	-	20.08	0.00	3490.09
MW - 18	02/23/16	3510.17	-	20.02	0.00	3490.15
MW - 18	04/08/16	3510.17	-	19.94	0.00	3490.23
MW - 18	06/06/16	3510.17	-	19.96	0.00	3490.21
MW - 18	06/28/16	3510.17	-	20.16	0.00	3490.01
MW - 18	07/27/16	3510.17	-	20.47	0.00	3489.70
MW - 18	08/03/16	3510.17	-	20.52	0.00	3489.65
MW - 18	09/27/16	3510.17	-	19.43	0.00	3490.74
MW - 18	10/21/16	3510.17	-	19.45	0.00	3490.72
MW - 18	11/08/16	3510.17	-	19.50	0.00	3490.67
MW - 18	01/26/17	3510.17	-	19.58	0.00	3490.59
MW - 18	02/28/17	3510.17	-	19.58	0.00	3490.59
MW - 18	03/15/17	3510.17	-	19.55	0.00	3490.62
MW - 18	05/23/17	3510.17	-	19.55	0.00	3490.62
MW - 18	07/20/17	3510.17	-	20.06	0.00	3490.11
MW - 18	08/16/17	3510.17	-	20.00	0.00	3490.17
MW - 18	09/13/17	3510.17	-	19.81	0.00	3490.36
MW - 18	10/12/17	3510.17	-	19.76	0.00	3490.41
MW - 18	11/14/17	3510.17	-	19.67	0.00	3490.50
MW - 18	12/20/17	3510.17	-	19.62	0.00	3490.55
MW - 18	01/09/18	3510.17	-	19.60	0.00	3490.57
MW - 18	02/07/18	3510.17	-	19.61	0.00	3490.56
MW - 18	03/29/18	3510.17	-	19.54	0.00	3490.63
MW - 18	04/16/18	3510.17	-	19.52	0.00	3490.65
MW - 18	05/21/18	3510.17	-	19.70	0.00	3490.47
MW - 18	06/18/18	3510.17	-	19.98	0.00	3490.19
MW - 18	07/11/18	3510.17	-	20.14	0.00	3490.03
MW - 18	08/08/18	3510.17	-	20.31	0.00	3489.86
MW - 18	09/12/18	3510.17	-	20.42	0.00	3489.75
MW - 18	11/13/18	3510.17	-	20.13	0.00	3490.04
MW - 18	01/09/19	3510.17	-	19.96	0.00	3490.21
MW - 18	02/13/19	3510.17	-	19.92	0.00	3490.25
MW - 18	03/12/19	3510.17	-	19.85	0.00	3490.32
MW - 18	04/01/19	3510.17	-	19.83	0.00	3490.34
MW - 18	05/07/19	3510.17	-	19.74	0.00	3490.43
MW - 18	06/14/19	3510.17	-	19.94	0.00	3490.23
MW - 18	07/11/19	3510.17	-	20.24	0.00	3489.93
MW - 18	08/07/19	3510.17	-	20.39	0.00	3489.78
MW - 18	09/12/19	3510.17	-	20.55	0.00	3489.62
MW - 18	10/15/19	3510.17	-	20.41	0.00	3489.76
MW - 18	11/06/19	3510.17	-	20.32	0.00	3489.85
MW - 18	12/17/19	3510.17	-	20.12	0.00	3490.05
MW - 18	01/06/20	3510.17	-	20.08	0.00	3490.09
MW - 18	03/04/20	3510.17	-	19.99	0.00	3490.18

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

**TNM 97- 17**  
**LEA COUNTY, NEW MEXICO**  
**Plains Marketing, L.P.**  
**NMOCD Reference AP-17**

<b>Well Number</b>	<b>DATE MEASURED</b>	<b>TOP OF CASING ELEVATION</b>	<b>DEPTH TO PRODUCT</b>	<b>DEPTH TO WATER</b>	<b>PSH THICKNESS</b>	<b>CORRECTED GROUNDWATER ELEVATION</b>
MW - 18	05/14/20	3510.17	-	19.77	0.00	3490.40
MW - 18	06/17/20	3510.17	-	20.16	0.00	3490.01
MW - 18	07/21/20	3510.17	-	20.45	0.00	3489.72
MW - 18	08/12/20	3510.17	-	20.57	0.00	3489.60
MW - 18	09/14/20	3510.17	-	20.68	0.00	3489.49
MW - 18	12/09/20	3510.17	-	20.82	0.00	3489.35
MW - 18	01/13/21	3510.17	-	20.80	0.00	3489.37
MW - 18	02/10/21	3510.17	-	20.74	0.00	3489.43
MW - 18	04/21/21	3510.17	-	20.65	0.00	3489.52
MW - 18	06/09/21	3510.17	-	20.68	0.00	3489.49
MW - 18	09/22/21	3510.17	-	20.90	0.00	3489.27
MW - 18	10/14/21	3510.17	-	20.94	0.00	3489.23
MW - 18	12/06/21	3510.17	-	21.01	0.00	3489.16
MW - 18	03/14/22	3510.17	-	20.94	0.00	3489.23
MW - 18	04/20/22	3510.17	-	20.92	0.00	3489.25
MW - 18	05/09/22	3510.17	-	20.97	0.00	3489.20
MW - 18	08/16/22	3510.17	-	21.35	0.00	3488.82
MW - 18	11/10/22	3510.17	-	21.25	0.00	3488.92
MW - 19	06/20/02	3507.28	19.75	20.03	0.28	3487.49
MW - 19	09/26/02	3507.28	19.97	20.00	0.03	3487.31
MW - 19	11/12/02	3507.28	20.04	21.02	0.98	3487.09
MW - 19	01/07/03	3507.28	19.71	21.30	1.59	3487.33
MW - 19	01/27/03	3507.28	19.68	20.15	0.47	3487.53
MW - 19	02/26/03	3507.28	19.70	20.06	0.36	3487.53
MW - 19	03/11/03	3507.28	19.78	20.23	0.45	3487.43
MW - 19	03/19/03	3507.28	19.76	20.21	0.45	3487.45
MW - 19	03/25/03	3507.28	19.67	20.30	0.63	3487.52
MW - 19	04/16/03	3507.28	19.62	20.35	0.73	3487.55
MW - 19	04/23/03	3507.28	19.80	20.52	0.72	3487.37
MW - 19	04/29/03	3507.28	19.59	20.47	0.88	3487.56
MW - 19	05/14/03	3507.28	19.70	20.62	0.92	3487.44
MW - 19	05/20/03	3507.28	19.84	20.80	0.96	3487.30
MW - 19	05/27/03	3507.28	19.87	20.84	0.97	3487.26
MW - 19	06/04/03	3507.28	19.85	20.45	0.60	3487.34
MW - 19	07/07/03	3507.28	20.29	20.73	0.44	3486.92
MW - 19	07/30/03	3507.28	20.40	20.51	0.11	3486.86
MW - 19	08/06/03	3507.28	20.66	20.94	0.28	3486.58
MW - 19	08/21/03	3507.28	20.82	21.03	0.21	3486.43
MW - 19	09/08/03	3507.28	20.80	21.00	0.20	3486.45
MW - 19	09/15/03	3507.28	20.81	20.99	0.18	3486.44
MW - 19	09/24/03	3507.28	21.14	21.38	0.24	3486.10
MW - 19	10/02/03	3507.28	20.90	21.13	0.23	3486.35
MW - 19	10/08/03	3507.28	20.79	21.08	0.29	3486.45
MW - 19	10/16/03	3507.28	21.12	21.33	0.21	3486.13
MW - 19	10/28/03	3507.28	21.18	21.43	0.25	3486.06
MW - 19	11/11/03	3507.28	21.23	21.24	0.01	3486.05
MW - 19	11/18/03	3507.28	20.97	21.19	0.22	3486.28
MW - 19	12/10/03	3507.28	20.80	21.08	0.28	3486.44
MW - 19	02/02/04	3507.28	21.17	21.31	0.14	3486.09
MW - 19	02/26/04	3507.28	20.75	21.00	0.25	3486.49
MW - 19	03/16/04	3507.28	20.95	21.30	0.35	3486.28
MW - 19	03/19/04	3507.28	20.91	21.31	0.40	3486.31
MW - 19	03/25/04	3507.28	20.90	21.31	0.41	3486.32

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	04/01/04	3507.28	20.84	21.32	0.48	3486.37
MW - 19	04/08/04	3507.28	20.80	21.27	0.47	3486.41
MW - 19	04/14/04	3507.28	20.11	21.03	0.92	3487.03
MW - 19	04/16/04	3507.28	20.24	21.11	0.87	3486.91
MW - 19	04/22/04	3507.28	19.38	20.32	0.94	3487.76
MW - 19	04/29/04	3507.28	19.34	20.44	1.10	3487.78
MW - 19	05/11/04	3507.28	19.30	20.52	1.22	3487.80
MW - 19	06/08/04	3507.28	19.38	20.94	1.56	3487.67
MW - 19	06/17/04	3507.28	19.35	20.91	1.56	3487.70
MW - 19	06/22/04	3507.28	19.38	20.94	1.56	3487.67
MW - 19	06/29/04	3507.28	18.33	20.99	2.66	3488.55
MW - 19	07/06/04	3507.28	19.38	21.19	1.81	3487.63
MW - 19	07/20/04	3507.28	19.50	19.51	0.01	3487.78
MW - 19	08/04/04	3507.28	19.51	19.52	0.01	3487.77
MW - 19	08/16/04	3507.28	19.67	19.70	0.03	3487.61
MW - 19	08/23/04	3507.28	19.64	21.36	1.72	3487.38
MW - 19	08/25/04	3507.28	19.68	21.10	1.42	3487.39
MW - 19	08/26/04	3507.28	19.65	21.05	1.40	3487.42
MW - 19	08/31/04	3507.28	19.72	21.20	1.48	3487.34
MW - 19	09/13/04	3507.28	19.81	20.99	1.18	3487.29
MW - 19	09/20/04	3507.28	19.89	20.95	1.06	3487.23
MW - 19	09/30/04	3507.28	19.94	20.89	0.95	3487.20
MW - 19	10/04/04	3507.28	19.39	20.95	1.56	3487.66
MW - 19	10/11/04	3507.28	19.01	21.17	2.16	3487.95
MW - 19	10/18/04	3507.28	18.73	19.99	1.26	3488.36
MW - 19	10/26/04	3507.28	18.91	20.14	1.23	3488.19
MW - 19	11/02/04	3507.28	18.95	19.70	0.75	3488.22
MW - 19	11/08/04	3507.28	18.80	19.97	1.17	3488.30
MW - 19	11/15/04	3507.28	sheen	19.40	0.00	3487.88
MW - 19	12/01/04	3507.28	sheen	19.20	0.00	3488.08
MW - 19	12/02/04	3507.28	19.16	19.18	0.02	3488.12
MW - 19	12/14/04	3507.28	sheen	19.18	0.00	3488.10
MW - 19	12/21/04	3507.28	18.98	19.34	0.36	3488.25
MW - 19	12/29/04	3507.28	19.01	19.24	0.23	3488.24
MW - 19	01/11/05	3507.28	18.76	19.40	0.64	3488.42
MW - 19	01/14/05	3507.28	18.82	19.67	0.85	3488.33
MW - 19	01/18/05	3507.28	18.74	19.81	1.07	3488.38
MW - 19	01/21/05	3507.28	18.72	19.43	0.71	3488.45
MW - 19	01/25/05	3507.28	18.69	19.60	0.91	3488.45
MW - 19	01/28/05	3507.28	18.90	19.39	0.49	3488.31
MW - 19	02/02/05	3507.28	18.67	19.55	0.88	3488.48
MW - 19	02/05/05	3507.28	18.90	19.14	0.24	3488.34
MW - 19	02/08/05	3507.28	18.65	19.45	0.80	3488.51
MW - 19	02/11/05	3507.28	18.67	19.21	0.54	3488.53
MW - 19	02/15/05	3507.28	18.61	19.25	0.64	3488.57
MW - 19	02/18/05	3507.28	18.80	19.20	0.40	3488.42
MW - 19	02/22/05	3507.28	18.59	19.19	0.60	3488.60
MW - 19	02/25/05	3507.28	18.59	19.09	0.50	3488.62
MW - 19	03/01/05	3507.28	18.55	19.12	0.57	3488.64
MW - 19	03/04/05	3507.28	18.57	19.03	0.46	3488.64
MW - 19	03/08/05	3507.28	18.51	19.04	0.53	3488.69
MW - 19	03/08/05	3507.28	18.51	19.04	0.53	3488.69
MW - 19	03/11/05	3507.28	18.56	19.05	0.49	3488.65
MW - 19	03/15/05	3507.28	18.49	19.02	0.53	3488.71



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	03/18/05	3507.28	18.52	19.00	0.48	3488.69
MW - 19	03/22/05	3507.28	18.44	19.02	0.58	3488.75
MW - 19	03/28/05	3507.28	18.40	18.82	0.42	3488.82
MW - 19	04/01/05	3507.28	18.43	18.91	0.48	3488.78
MW - 19	04/05/05	3507.28	17.37	17.98	0.61	3489.82
MW - 19	04/08/05	3507.28	17.39	17.80	0.41	3489.83
MW - 19	04/15/05	3507.28	18.31	18.75	0.44	3488.90
MW - 19	05/25/05	3507.28	18.14	18.56	0.42	3489.08
MW - 19	05/27/05	3507.28	18.20	18.53	0.33	3489.03
MW - 19	05/31/05	3507.28	18.15	18.20	0.05	3489.12
MW - 19	06/03/05	3507.28	sheen	18.15	0.00	3489.13
MW - 19	06/06/05	3507.28	sheen	18.14	0.00	3489.14
MW - 19	06/08/05	3507.28	-	18.12	0.00	3489.16
MW - 19	06/13/05	3507.28	sheen	18.10	0.00	3489.18
MW - 19	06/20/05	3507.28	sheen	18.14	0.00	3489.14
MW - 19	06/24/05	3507.28	18.06	18.11	0.05	3489.21
MW - 19	06/27/05	3507.28	18.11	18.13	0.02	3489.17
MW - 19	07/11/05	3507.28	18.18	18.25	0.07	3489.09
MW - 19	07/15/05	3507.28	18.25	18.35	0.10	3489.02
MW - 19	07/18/05	3507.28	18.27	18.37	0.10	3489.00
MW - 19	07/21/05	3507.28	18.24	18.39	0.15	3489.02
MW - 19	07/25/05	3507.28	18.33	18.60	0.27	3488.91
MW - 19	08/01/05	3507.28	18.33	18.73	0.40	3488.89
MW - 19	08/04/05	3507.28	18.45	18.60	0.15	3488.81
MW - 19	08/12/05	3507.28	18.40	18.92	0.52	3488.80
MW - 19	08/15/05	3507.28	18.51	18.89	0.38	3488.71
MW - 19	08/23/05	3507.28	18.27	18.53	0.26	3488.97
MW - 19	08/30/05	3507.28	18.29	18.41	0.12	3488.97
MW - 19	09/06/05	3507.28	18.20	18.33	0.13	3489.06
MW - 19	09/13/05	3507.28	18.23	18.31	0.08	3489.04
MW - 19	09/15/05	3507.28	18.20	18.30	0.10	3489.07
MW - 19	09/19/05	3507.28	18.16	18.35	0.19	3489.09
MW - 19	09/27/05	3507.28	18.17	18.25	0.08	3489.10
MW - 19	10/03/05	3507.28	18.17	18.33	0.16	3489.09
MW - 19	10/08/05	3507.28	18.03	18.07	0.04	3489.24
MW - 19	10/10/05	3507.28	18.20	18.40	0.20	3489.05
MW - 19	10/17/05	3507.28	18.17	18.25	0.08	3489.10
MW - 19	10/24/05	3507.28	18.10	18.30	0.20	3489.15
MW - 19	10/31/05	3507.28	18.02	18.22	0.20	3489.23
MW - 19	11/15/05	3507.28	18.12	18.32	0.20	3489.13
MW - 19	11/22/05	3507.28	18.05	18.25	0.20	3489.20
MW - 19	11/27/05	3507.28	18.04	18.23	0.19	3489.21
MW - 19	12/07/05	3507.28	18.08	18.18	0.10	3489.19
MW - 19	12/12/05	3507.28	18.03	18.21	0.18	3489.22
MW - 19	12/16/05	3507.28	18.11	18.21	0.10	3489.16
MW - 19	12/22/05	3507.28	18.06	18.24	0.18	3489.19
MW - 19	12/27/05	3507.28	18.01	18.25	0.24	3489.23
MW - 19	01/03/06	3507.28	18.05	18.23	0.18	3489.20
MW - 19	01/09/06	3507.28	18.07	18.20	0.13	3489.19
MW - 19	01/16/06	3507.28	18.01	18.23	0.22	3489.24
MW - 19	01/23/06	3507.28	18.03	18.20	0.17	3489.22
MW - 19	01/30/06	3507.28	18.01	18.21	0.20	3489.24
MW - 19	02/06/06	3507.28	18.01	18.30	0.29	3489.23
MW - 19	02/14/06	3507.28	18.00	18.23	0.23	3489.25

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	02/21/06	3507.28	18.00	18.15	0.15	3489.26
MW - 19	03/01/06	3507.28	17.99	18.20	0.21	3489.26
MW - 19	03/06/06	3507.28	18.02	18.18	0.16	3489.24
MW - 19	03/16/06	3507.28	18.01	18.13	0.12	3489.25
MW - 19	03/17/06	3507.28	18.02	18.13	0.11	3489.24
MW - 19	03/21/06	3507.28	18.03	18.15	0.12	3489.23
MW - 19	03/28/06	3507.28	18.07	18.14	0.07	3489.20
MW - 19	04/03/06	3507.28	17.96	18.02	0.06	3489.31
MW - 19	04/17/06	3507.28	17.94	17.98	0.04	3489.33
MW - 19	05/01/06	3507.28	17.92	18.00	0.08	3489.35
MW - 19	05/08/06	3507.28	17.94	18.06	0.12	3489.32
MW - 19	05/15/06	3507.28	18.00	18.19	0.19	3489.25
MW - 19	05/30/06	3507.28	18.23	18.34	0.11	3489.03
MW - 19	06/05/06	3507.28	18.25	18.35	0.10	3489.02
MW - 19	06/12/06	3507.28	18.34	18.76	0.42	3488.88
MW - 19	06/15/06	3507.28	18.39	18.68	0.29	3488.85
MW - 19	06/19/06	3507.28	18.45	18.78	0.33	3488.78
MW - 19	07/03/06	3507.28	18.56	18.88	0.32	3488.67
MW - 19	07/10/06	3507.28	18.56	18.89	0.33	3488.67
MW - 19	07/17/06	3507.28	18.46	18.63	0.17	3488.79
MW - 19	07/26/06	3507.28	18.51	18.80	0.29	3488.73
MW - 19	07/31/06	3507.28	18.55	18.93	0.38	3488.67
MW - 19	08/07/06	3507.28	18.59	18.87	0.28	3488.65
MW - 19	08/17/06	3507.28	18.62	18.91	0.29	3488.62
MW - 19	08/21/06	3507.28	18.48	18.72	0.24	3488.76
MW - 19	09/06/06	3507.28	18.25	19.38	1.13	3488.86
MW - 19	09/11/06	3507.28	18.22	18.33	0.11	3489.04
MW - 19	09/18/06	3507.28	18.19	18.26	0.07	3489.08
MW - 19	09/25/06	3507.28	18.21	18.31	0.10	3489.06
MW - 19	10/02/06	3507.28	18.18	18.29	0.11	3489.08
MW - 19	10/09/06	3507.28	18.23	18.35	0.12	3489.03
MW - 19	10/17/06	3507.28	18.20	18.35	0.15	3489.06
MW - 19	10/23/06	3507.28	18.20	18.30	0.10	3489.07
MW - 19	10/30/06	3507.28	18.19	19.26	1.07	3488.93
MW - 19	11/06/06	3507.28	18.17	19.20	1.03	3488.96
MW - 19	11/13/06	3507.28	18.36	19.12	0.76	3488.81
MW - 19	11/20/06	3507.28	18.17	18.43	0.26	3489.07
MW - 19	11/27/06	3507.28	18.35	19.10	0.75	3488.82
MW - 19	11/30/06	3507.28	18.14	18.26	0.12	3489.12
MW - 19	12/04/06	3507.28	18.19	18.36	0.17	3489.06
MW - 19	12/12/06	3507.28	18.19	18.24	0.05	3489.08
MW - 19	12/18/06	3507.28	18.20	18.39	0.19	3489.05
MW - 19	01/02/07	3507.28	18.13	18.22	0.09	3489.14
MW - 19	01/11/07	3507.28	18.09	18.17	0.08	3489.18
MW - 19	01/18/07	3507.28	18.06	18.26	0.20	3489.19
MW - 19	01/22/07	3507.28	18.09	18.17	0.08	3489.18
MW - 19	02/05/07	3507.28	18.11	18.24	0.13	3489.15
MW - 19	02/12/07	3507.28	18.01	18.15	0.14	3489.25
MW - 19	02/19/07	3507.28	18.01	18.10	0.09	3489.26
MW - 19	02/27/07	3507.28	18.06	18.18	0.12	3489.20
MW - 19	03/05/07	3507.28	18.05	18.18	0.13	3489.21
MW - 19	03/12/07	3507.28	18.04	18.10	0.06	3489.23
MW - 19	03/19/07	3507.28	18.01	18.22	0.21	3489.24
MW - 19	04/02/07	3507.28	17.98	18.16	0.18	3489.27

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	04/09/07	3507.28	17.93	18.09	0.16	3489.33
MW - 19	05/01/07	3507.28	17.98	18.11	0.13	3489.28
MW - 19	05/12/07	3507.28	18.00	18.09	0.09	3489.27
MW - 19	05/17/07	3507.28	17.84	17.92	0.08	3489.43
MW - 19	05/21/07	3507.28	17.82	17.92	0.10	3489.45
MW - 19	05/22/07	3507.28	17.82	17.96	0.14	3489.44
MW - 19	06/01/07	3507.28	17.83	17.87	0.04	3489.44
MW - 19	06/06/07	3507.28	17.81	17.88	0.07	3489.46
MW - 19	06/11/07	3507.28	17.86	18.14	0.28	3489.38
MW - 19	06/19/07	3507.28	17.94	18.01	0.07	3489.33
MW - 19	06/25/07	3507.28	17.98	18.07	0.09	3489.29
MW - 19	07/03/07	3507.28	18.08	18.34	0.26	3489.16
MW - 19	07/18/07	3507.28	18.30	18.34	0.04	3488.97
MW - 19	07/23/07	3507.28	18.34	18.50	0.16	3488.92
MW - 19	07/31/07	3507.28	18.43	18.87	0.44	3488.78
MW - 19	08/14/07	3507.28	18.47	18.72	0.25	3488.77
MW - 19	08/15/07	3507.28	18.48	18.71	0.23	3488.77
MW - 19	08/25/07	3507.28	18.54	18.76	0.22	3488.71
MW - 19	09/05/07	3507.28	18.61	18.84	0.23	3488.64
MW - 19	09/10/07	3507.28	18.57	18.76	0.19	3488.68
MW - 19	09/17/07	3507.28	18.51	18.69	0.18	3488.74
MW - 19	09/24/07	3507.28	18.32	18.36	0.04	3488.95
MW - 19	11/05/07	3507.28	18.28	18.34	0.06	3488.99
MW - 19	11/06/07	3507.28	18.33	18.49	0.16	3488.93
MW - 19	11/12/07	3507.28	18.29	18.42	0.13	3488.97
MW - 19	11/19/07	3507.28	18.28	18.33	0.05	3488.99
MW - 19	11/30/07	3507.28	18.27	18.45	0.18	3488.98
MW - 19	12/03/07	3507.28	18.28	18.40	0.12	3488.98
MW - 19	12/14/07	3507.28	18.24	18.36	0.12	3489.02
MW - 19	12/17/07	3507.28	17.25	17.35	0.10	3490.02
MW - 19	01/09/08	3507.28	18.21	18.39	0.18	3489.04
MW - 19	01/16/08	3507.28	18.18	18.42	0.24	3489.06
MW - 19	01/30/08	3507.28	18.15	18.25	0.10	3489.12
MW - 19	02/08/08	3507.28	18.18	18.41	0.23	3489.07
MW - 19	02/12/08	3507.28	18.18	18.41	0.23	3489.07
MW - 19	02/14/08	3507.28	18.15	18.34	0.19	3489.10
MW - 19	02/20/08	3507.28	18.13	18.27	0.14	3489.13
MW - 19	02/28/08	3507.28	18.13	18.28	0.15	3489.13
MW - 19	03/05/08	3507.28	18.15	18.41	0.26	3489.09
MW - 19	03/13/08	3507.28	18.13	18.31	0.18	3489.12
MW - 19	03/19/08	3507.28	18.16	18.36	0.20	3489.09
MW - 19	03/24/08	3507.28	18.12	18.24	0.12	3489.14
MW - 19	04/02/08	3507.28	18.11	18.22	0.11	3489.15
MW - 19	04/07/08	3507.28	18.11	18.12	0.01	3489.17
MW - 19	04/14/08	3507.28	18.11	18.12	0.01	3489.17
MW - 19	04/23/08	3507.28	18.09	18.18	0.09	3489.18
MW - 19	05/07/08	3507.28	18.12	18.26	0.14	3489.14
MW - 19	05/13/08	3507.28	18.12	18.21	0.09	3489.15
MW - 19	05/14/08	3507.28	18.11	18.21	0.10	3489.16
MW - 19	05/19/08	3507.28	18.06	18.09	0.03	3489.22
MW - 19	06/09/08	3507.28	18.38	18.62	0.24	3488.86
MW - 19	06/16/08	3507.28	18.14	18.17	0.03	3489.14
MW - 19	06/23/08	3507.28	18.58	18.81	0.23	3488.67
MW - 19	06/30/08	3507.28	18.66	18.88	0.22	3488.59

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	07/14/08	3507.28	18.69	18.86	0.17	3488.56
MW - 19	07/22/08	3507.28	18.75	18.77	0.02	3488.53
MW - 19	07/29/08	3507.28	18.76	18.92	0.16	3488.50
MW - 19	08/04/08	3507.28	18.81	18.98	0.17	3488.44
MW - 19	08/11/08	3507.28	18.84	18.87	0.03	3488.44
MW - 19	08/14/08	3507.28	18.87	19.02	0.15	3488.39
MW - 19	08/18/08	3507.28	18.87	18.98	0.11	3488.39
MW - 19	08/28/08	3507.28	18.82	18.91	0.09	3488.45
MW - 19	09/17/08	3507.28	18.60	18.65	0.05	3488.67
MW - 19	09/29/08	3507.28	18.55	18.59	0.04	3488.72
MW - 19	10/06/08	3507.28	18.58	18.66	0.08	3488.69
MW - 19	10/13/08	3507.28	18.59	18.70	0.11	3488.67
MW - 19	10/20/08	3507.28	18.53	18.59	0.06	3488.74
MW - 19	10/29/08	3507.28	18.46	18.51	0.05	3488.81
MW - 19	10/30/08	3507.28	18.49	18.50	0.01	3488.79
MW - 19	11/06/08	3507.28	18.48	18.51	0.03	3488.80
MW - 19	11/12/08	3507.28	18.43	18.48	0.05	3488.84
MW - 19	11/13/08	3507.28	18.43	18.48	0.05	3488.84
MW - 19	12/16/08	3507.28	18.37	18.39	0.02	3488.91
MW - 19	12/19/08	3507.28	18.39	18.42	0.03	3488.89
MW - 19	12/22/08	3507.28	18.35	18.49	0.14	3488.91
MW - 19	01/06/09	3507.28	18.36	18.41	0.05	3488.91
MW - 19	01/12/09	3507.28	18.49	18.59	0.10	3488.78
MW - 19	01/22/09	3507.28	18.32	18.38	0.06	3488.95
MW - 19	01/26/09	3507.28	18.32	18.41	0.09	3488.95
MW - 19	02/10/09	3507.28	18.29	18.34	0.05	3488.98
MW - 19	02/13/09	3507.28	18.13	18.65	0.52	3489.07
MW - 19	02/16/09	3507.28	18.17	18.64	0.47	3489.04
MW - 19	02/24/09	3507.28	18.19	18.63	0.44	3489.02
MW - 19	03/02/09	3507.28	18.29	18.49	0.20	3488.96
MW - 19	03/05/09	3507.28	18.30	18.42	0.12	3488.96
MW - 19	03/09/09	3507.28	18.27	18.33	0.06	3489.00
MW - 19	03/16/09	3507.28	18.29	18.35	0.06	3488.98
MW - 19	03/19/09	3507.28	18.33	18.49	0.16	3488.93
MW - 19	03/25/09	3507.28	18.33	18.47	0.14	3488.93
MW - 19	03/30/09	3507.28	18.33	18.45	0.12	3488.93
MW - 19	04/13/09	3507.28	18.24	18.30	0.06	3489.03
MW - 19	04/16/09	3507.28	19.32	19.43	0.11	3487.94
MW - 19	04/21/09	3507.28	19.33	19.40	0.07	3487.94
MW - 19	04/27/09	3507.28	18.24	18.30	0.06	3489.03
MW - 19	04/30/09	3507.28	19.34	19.45	0.11	3487.92
MW - 19	05/06/09	3507.28	19.35	19.40	0.05	3487.92
MW - 19	05/12/09	3507.28	18.02	18.29	0.27	3489.22
MW - 19	05/19/09	3507.28	18.31	18.42	0.11	3488.95
MW - 19	05/26/09	3507.28	18.38	18.42	0.04	3488.89
MW - 19	06/01/09	3507.28	18.44	18.52	0.08	3488.83
MW - 19	06/05/09	3507.28	18.47	18.49	0.02	3488.81
MW - 19	06/12/09	3507.28	18.51	18.61	0.10	3488.76
MW - 19	06/22/09	3507.28	18.60	18.73	0.13	3488.66
MW - 19	06/24/09	3507.28	18.60	18.70	0.10	3488.67
MW - 19	06/29/09	3507.28	18.64	18.87	0.23	3488.61
MW - 19	07/06/09	3507.28	18.74	18.81	0.07	3488.53
MW - 19	07/09/09	3507.28	18.33	18.44	0.11	3488.93
MW - 19	07/13/09	3507.28	18.34	18.42	0.08	3488.93

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	07/20/09	3507.28	18.36	18.42	0.06	3488.91
MW - 19	07/23/09	3507.28	18.91	19.02	0.11	3488.35
MW - 19	07/27/09	3507.28	18.90	19.04	0.14	3488.36
MW - 19	07/29/09	3507.28	18.81	18.89	0.08	3488.46
MW - 19	08/03/09	3507.28	18.79	18.90	0.11	3488.47
MW - 19	08/10/09	3507.28	18.85	18.96	0.11	3488.41
MW - 19	08/10/09	3507.28	18.85	18.96	0.11	3488.41
MW - 19	08/18/09	3507.28	18.90	19.00	0.10	3488.37
MW - 19	08/24/09	3507.28	18.92	19.04	0.12	3488.34
MW - 19	08/28/09	3507.28	18.94	19.04	0.10	3488.33
MW - 19	08/31/09	3507.28	19.00	19.14	0.14	3488.26
MW - 19	09/02/09	3507.28	18.97	19.09	0.12	3488.29
MW - 19	09/08/09	3507.28	19.01	19.11	0.10	3488.26
MW - 19	09/10/09	3507.28	19.01	19.23	0.22	3488.24
MW - 19	09/16/09	3507.28	19.02	19.11	0.09	3488.25
MW - 19	09/18/09	3507.28	19.01	19.29	0.28	3488.23
MW - 19	09/22/09	3507.28	19.08	19.25	0.17	3488.17
MW - 19	09/28/09	3507.28	18.95	19.03	0.08	3488.32
MW - 19	10/09/09	3507.28	19.07	19.23	0.16	3488.19
MW - 19	10/12/09	3507.28	18.34	18.43	0.09	3488.93
MW - 19	10/15/09	3507.28	19.12	19.25	0.13	3488.14
MW - 19	10/20/09	3507.28	-	19.21	0.00	3488.07
MW - 19	10/26/09	3507.28	18.33	18.44	0.11	3488.93
MW - 19	10/28/09	3507.28	-	19.18	0.00	3488.10
MW - 19	11/03/09	3507.28	-	19.14	0.00	3488.14
MW - 19	11/12/09	3507.28	-	19.05	0.00	3488.23
MW - 19	11/18/09	3507.28	-	19.14	0.00	3488.14
MW - 19	12/03/09	3507.28	sheen	19.10	0.00	3488.18
MW - 19	12/11/09	3507.28	sheen	19.11	0.00	3488.17
MW - 19	12/16/09	3507.28	sheen	19.00	0.00	3488.28
MW - 19	12/21/09	3507.28	sheen	19.13	0.00	3488.15
MW - 19	12/28/09	3507.28	sheen	19.06	0.00	3488.22
MW - 19	01/04/10	3507.28	sheen	19.09	0.00	3488.19
MW - 19	01/14/10	3507.28	sheen	19.07	0.00	3488.21
MW - 19	01/20/10	3507.28	sheen	18.98	0.00	3488.30
MW - 19	01/25/10	3507.28	sheen	18.98	0.00	3488.30
MW - 19	01/27/10	3507.28	sheen	18.98	0.00	3488.30
MW - 19	02/01/10	3507.28	sheen	0.00	0.00	3507.28
MW - 19	02/08/10	3507.28	sheen	19.09	0.00	3488.19
MW - 19	02/09/10	3507.28	sheen	19.05	0.00	3488.23
MW - 19	02/19/10	3507.28	-	18.92	0.00	3488.36
MW - 19	02/26/10	3507.28	sheen	18.92	0.00	3488.36
MW - 19	03/01/10	3507.28	sheen	18.97	0.00	3488.31
MW - 19	03/04/10	3507.28	sheen	18.88	0.00	3488.40
MW - 19	03/08/10	3507.28	sheen	18.90	0.00	3488.38
MW - 19	03/11/10	3507.28	sheen	18.79	0.00	3488.49
MW - 19	03/15/10	3507.28	sheen	18.86	0.00	3488.42
MW - 19	03/17/10	3507.28	sheen	18.78	0.00	3488.50
MW - 19	03/22/10	3507.28	sheen	18.73	0.00	3488.55
MW - 19	03/29/10	3507.28	sheen	18.68	0.00	3488.60
MW - 19	04/05/10	3507.28	sheen	18.74	0.00	3488.54
MW - 19	04/14/10	3507.28	sheen	18.71	0.00	3488.57
MW - 19	04/16/10	3507.28	sheen	18.64	0.00	3488.64
MW - 19	04/19/10	3507.28	sheen	18.72	0.00	3488.56

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	04/28/10	3507.28	sheen	18.62	0.00	3488.66
MW - 19	05/05/10	3507.28	sheen	18.59	0.00	3488.69
MW - 19	05/12/10	3507.28	sheen	18.67	0.00	3488.61
MW - 19	05/14/10	3507.28	sheen	18.68	0.00	3488.60
MW - 19	05/21/10	3507.28	sheen	18.68	0.00	3488.60
MW - 19	05/26/10	3507.28	sheen	18.61	0.00	3488.67
MW - 19	06/04/10	3507.28	sheen	18.66	0.00	3488.62
MW - 19	06/07/10	3507.28	sheen	18.75	0.00	3488.53
MW - 19	06/12/10	3507.28	sheen	18.80	0.00	3488.48
MW - 19	06/24/10	3507.28	sheen	18.93	0.00	3488.35
MW - 19	06/30/10	3507.28	sheen	19.04	0.00	3488.24
MW - 19	07/07/10	3507.28	sheen	18.57	0.00	3488.71
MW - 19	07/12/10	3507.28	sheen	18.32	0.00	3488.96
MW - 19	07/19/10	3507.28	sheen	18.24	0.00	3489.04
MW - 19	08/03/10	3507.28	sheen	18.23	0.00	3489.05
MW - 19	08/11/10	3507.28	sheen	18.24	0.00	3489.04
MW - 19	08/19/10	3507.28	sheen	18.29	0.00	3488.99
MW - 19	08/25/10	3507.28	sheen	18.31	0.00	3488.97
MW - 19	09/01/10	3507.28	sheen	18.34	0.00	3488.94
MW - 19	09/09/10	3507.28	sheen	18.41	0.00	3488.87
MW - 19	09/13/10	3507.28	sheen	18.23	0.00	3489.05
MW - 19	09/29/10	3507.28	sheen	18.50	0.00	3488.78
MW - 19	10/05/10	3507.28	sheen	18.26	0.00	3489.02
MW - 19	10/20/10	3507.28	sheen	18.60	0.00	3488.68
MW - 19	10/25/10	3507.28	sheen	18.62	0.00	3488.66
MW - 19	11/03/10	3507.28	sheen	18.28	0.00	3489.00
MW - 19	11/10/10	3507.28	sheen	18.66	0.00	3488.62
MW - 19	11/12/10	3507.28	sheen	18.66	0.00	3488.62
MW - 19	12/09/10	3507.28	sheen	18.21	0.00	3489.07
MW - 19	01/18/11	3507.28	sheen	18.66	0.00	3488.62
MW - 19	02/16/11	3507.28	sheen	18.67	0.00	3488.61
MW - 19	03/01/11	3507.28	sheen	18.54	0.00	3488.74
MW - 19	03/07/11	3507.28	sheen	18.50	0.00	3488.78
MW - 19	03/22/11	3507.28	sheen	18.66	0.00	3488.62
MW - 19	04/27/11	3507.28	sheen	18.57	0.00	3488.71
MW - 19	05/05/11	3507.28	sheen	18.57	0.00	3488.71
MW - 19	05/10/11	3507.28	sheen	18.50	0.00	3488.78
MW - 19	05/17/11	3507.28	sheen	18.52	0.00	3488.76
MW - 19	05/19/11	3507.28	sheen	18.52	0.00	3488.76
MW - 19	05/24/11	3507.28	sheen	18.73	0.00	3488.55
MW - 19	06/07/11	3507.28	sheen	18.83	0.00	3488.45
MW - 19	06/08/11	3507.28	sheen	17.84	0.00	3489.44
MW - 19	06/14/11	3507.28	sheen	18.80	0.00	3488.48
MW - 19	06/23/11	3507.28	sheen	18.84	0.00	3488.44
MW - 19	06/28/11	3507.28	sheen	19.90	0.00	3487.38
MW - 19	07/06/11	3507.28	sheen	19.03	0.00	3488.25
MW - 19	07/14/11	3507.28	sheen	19.08	0.00	3488.20
MW - 19	07/20/11	3507.28	-	19.24	0.00	3488.04
MW - 19	07/27/11	3507.28	-	19.13	0.00	3488.15
MW - 19	08/03/11	3507.28	-	19.18	0.00	3488.10
MW - 19	08/10/11	3507.28	-	19.19	0.00	3488.09
MW - 19	08/18/11	3507.28	-	19.23	0.00	3488.05
MW - 19	08/25/11	3507.28	-	19.18	0.00	3488.10
MW - 19	09/07/11	3507.28	-	19.30	0.00	3487.98

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	09/14/11	3507.28	-	19.33	0.00	3487.95
MW - 19	11/14/11	3507.28	-	19.27	0.00	3488.01
MW - 19	12/01/11	3507.28	-	19.22	0.00	3488.06
MW - 19	12/08/11	3507.28	-	19.21	0.00	3488.07
MW - 19	12/14/11	3507.28	-	19.20	0.00	3488.08
MW - 19	01/12/12	3507.28	-	19.18	0.00	3488.10
MW - 19	01/19/12	3507.28	-	19.09	0.00	3488.19
MW - 19	02/03/12	3507.28	-	19.10	0.00	3488.18
MW - 19	02/29/12	3507.28	-	18.97	0.00	3488.31
MW - 19	03/14/12	3507.28	-	18.94	0.00	3488.34
MW - 19	03/19/12	3507.28	-	18.95	0.00	3488.33
MW - 19	03/29/12	3507.28	-	18.90	0.00	3488.38
MW - 19	04/05/12	3507.28	-	18.88	0.00	3488.40
MW - 19	04/18/12	3507.28	-	18.83	0.00	3488.45
MW - 19	04/27/12	3507.28	-	18.88	0.00	3488.40
MW - 19	05/02/12	3507.28	-	18.92	0.00	3488.36
MW - 19	05/31/12	3507.28	-	18.90	0.00	3488.38
MW - 19	06/08/12	3507.28	-	19.83	0.00	3487.45
MW - 19	06/12/12	3507.28	-	18.97	0.00	3488.31
MW - 19	06/21/12	3507.28	-	18.96	0.00	3488.32
MW - 19	06/29/12	3507.28	-	19.02	0.00	3488.26
MW - 19	07/13/12	3507.28	-	19.19	0.00	3488.09
MW - 19	12/06/12	3507.28	19.26	19.29	0.03	3488.02
MW - 19	12/11/12	3507.28	19.26	19.32	0.06	3488.01
MW - 19	12/18/12	3507.28	19.24	19.31	0.07	3488.03
MW - 19	01/09/13	3507.28	19.20	19.25	0.05	3488.07
MW - 19	01/15/13	3507.28	19.18	19.24	0.06	3488.09
MW - 19	01/23/13	3507.28	19.19	19.23	0.04	3488.08
MW - 19	01/29/13	3507.28	19.16	19.21	0.05	3488.11
MW - 19	02/07/13	3507.28	19.16	19.27	0.11	3488.10
MW - 19	02/13/13	3507.28	19.14	19.18	0.04	3488.13
MW - 19	02/20/13	3507.28	19.00	19.06	0.06	3488.27
MW - 19	03/15/13	3507.28	19.10	19.18	0.08	3488.17
MW - 19	03/19/13	3507.28	-	19.09	0.00	3488.19
MW - 19	04/02/13	3507.28	-	19.06	0.00	3488.22
MW - 19	04/09/13	3507.28	19.04	19.06	0.02	3488.24
MW - 19	04/16/13	3507.28	19.03	19.06	0.03	3488.25
MW - 19	04/23/13	3507.28	19.04	19.05	0.01	3488.24
MW - 19	04/30/13	3507.28	-	19.00	0.00	3488.28
MW - 19	05/08/13	3507.28	19.01	19.03	0.02	3488.27
MW - 19	05/14/13	3507.28	-	18.99	0.00	3488.29
MW - 19	05/22/13	3507.28	-	18.98	0.00	3488.30
MW - 19	05/28/13	3507.28	-	19.01	0.00	3488.27
MW - 19	06/04/13	3507.28	-	19.03	0.00	3488.25
MW - 19	06/11/13	3507.28	-	19.07	0.00	3488.21
MW - 19	06/19/13	3507.28	19.20	19.29	0.09	3488.07
MW - 19	06/28/13	3507.28	19.21	19.29	0.08	3488.06
MW - 19	07/01/13	3507.28	19.26	19.31	0.05	3488.01
MW - 19	07/08/13	3507.28	-	19.33	0.00	3487.95
MW - 19	07/23/13	3507.28	-	19.38	0.00	3487.90
MW - 19	07/30/13	3507.28	-	19.36	0.00	3487.92
MW - 19	08/05/13	3507.28	-	19.36	0.00	3487.92
MW - 19	08/12/13	3507.28	-	19.34	0.00	3487.94
MW - 19	08/22/13	3507.28	-	19.42	0.00	3487.86

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	08/29/13	3507.28	-	19.47	0.00	3487.81
MW - 19	09/05/13	3507.28	19.48	19.51	0.03	3487.80
MW - 19	09/10/13	3507.28	19.53	19.59	0.06	3487.74
MW - 19	09/17/13	3507.28	19.55	19.66	0.11	3487.71
MW - 19	09/24/13	3507.28	19.55	19.65	0.10	3487.72
MW - 19	10/07/13	3507.28	19.60	19.74	0.14	3487.66
MW - 19	11/14/13	-	23.05	23.12	0.07	-
MW - 19	11/21/13	-	23.03	23.06	0.03	-
MW - 19	12/12/13	-	22.96	23.00	0.04	-
MW - 19	12/19/13	-	22.95	22.97	0.02	-
MW - 19	01/03/14	-	22.91	22.93	0.02	-
MW - 19	01/09/14	-	22.92	22.93	0.01	-
MW - 19	01/13/14	-	22.93	22.94	0.01	-
MW - 19	01/21/14	-	22.89	22.90	0.01	-
MW - 19	01/24/14	-	22.90	22.93	0.03	-
MW - 19	02/04/14	3511.96	22.87	22.96	0.09	3489.08
MW - 19	02/10/14	3511.96	22.88	22.98	0.10	3489.07
MW - 19	02/27/14	3511.96	22.81	22.88	0.07	3489.14
MW - 19	03/17/14	3511.96	22.77	22.90	0.13	3489.17
MW - 19	03/27/14	3511.96	22.71	22.82	0.11	3489.23
MW - 19	04/02/14	3511.96	22.78	22.83	0.05	3489.17
MW - 19	04/16/14	3511.96	22.71	22.81	0.10	3489.24
MW - 19	04/22/14	3511.96	22.71	22.76	0.05	3489.24
MW - 19	04/28/14	3511.96	22.78	22.79	0.01	3489.18
MW - 19	05/06/14	3511.96	22.69	23.25	0.56	3489.19
MW - 19	05/13/14	3511.96	22.73	23.30	0.57	3489.14
MW - 19	05/14/14	3511.96	22.74	22.96	0.22	3489.19
MW - 19	05/21/14	3511.96	22.71	23.00	0.29	3489.21
MW - 19	06/05/14	3511.96	22.81	22.96	0.15	3489.13
MW - 19	06/11/14	3511.96	22.87	23.21	0.34	3489.04
MW - 19	06/16/14	3511.96	-	22.97	0.00	3488.99
MW - 19	06/24/14	3511.96	-	23.05	0.00	3488.91
MW - 19	07/01/14	3511.96	-	23.11	0.00	3488.85
MW - 19	07/08/14	3511.96	23.18	23.21	0.03	3488.78
MW - 19	07/15/14	3511.96	23.20	23.45	0.25	3488.72
MW - 19	07/22/14	3511.96	23.35	23.36	0.01	3488.61
MW - 19	07/23/14	3511.96	23.35	23.36	0.01	3488.61
MW - 19	07/31/14	3511.96	23.27	23.40	0.13	3488.67
MW - 19	08/05/14	3511.96	23.34	23.36	0.02	3488.62
MW - 19	08/07/14	3511.96	23.29	23.40	0.11	3488.65
MW - 19	08/15/14	3511.96	23.32	23.39	0.07	3488.63
MW - 19	08/20/14	3511.96	23.34	23.44	0.10	3488.61
MW - 19	08/27/14	3511.96	23.37	23.62	0.25	3488.55
MW - 19	09/24/14	3511.96	-	22.62	0.00	3489.34
MW - 19	10/01/14	3511.96	-	22.29	0.00	3489.67
MW - 19	10/07/14	3511.96	-	22.20	0.00	3489.76
MW - 19	10/14/14	3511.96	-	22.19	0.00	3489.77
MW - 19	10/20/14	3511.96	-	22.17	0.00	3489.79
MW - 19	10/27/14	3511.96	-	22.17	0.00	3489.79
MW - 19	10/28/14	3511.96	-	22.32	0.00	3489.64
MW - 19	11/03/14	3511.96	-	22.20	0.00	3489.76
MW - 19	11/11/14	3511.96	-	22.24	0.00	3489.72
MW - 19	11/19/14	3511.96	-	22.18	0.00	3489.78
MW - 19	12/08/14	3511.96	-	22.19	0.00	3489.77



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	12/15/14	3511.96	-	22.18	0.00	3489.78
MW - 19	12/18/14	3511.96	-	22.15	0.00	3489.81
MW - 19	12/22/14	3511.96	-	22.15	0.00	3489.81
MW - 19	12/29/14	3511.96	-	22.21	0.00	3489.75
MW - 19	01/05/15	3511.96	-	22.21	0.00	3489.75
MW - 19	01/12/15	3511.96	-	22.22	0.00	3489.74
MW - 19	01/19/15	3511.96	-	22.22	0.00	3489.74
MW - 19	02/04/15	3511.96	-	22.25	0.00	3489.71
MW - 19	02/09/15	3511.96	-	22.25	0.00	3489.71
MW - 19	02/19/15	3511.96	22.19	22.20	0.01	3489.77
MW - 19	03/03/15	3511.96	-	22.20	0.00	3489.76
MW - 19	03/09/15	3511.96	-	22.23	0.00	3489.73
MW - 19	03/16/15	3511.96	-	22.21	0.00	3489.75
MW - 19	03/20/15	3511.96	-	22.22	0.00	3489.74
MW - 19	03/23/15	3511.96	-	22.20	0.00	3489.76
MW - 19	03/30/15	3511.96	-	22.22	0.00	3489.74
MW - 19	04/04/15	3511.96	-	22.20	0.00	3489.76
MW - 19	04/07/15	3511.96	-	22.20	0.00	3489.76
MW - 19	04/14/15	3511.96	-	22.18	0.00	3489.78
MW - 19	04/20/15	3511.96	-	22.14	0.00	3489.82
MW - 19	04/27/15	3511.96	-	22.16	0.00	3489.80
MW - 19	05/07/15	3511.96	-	22.12	0.00	3489.84
MW - 19	05/11/15	3511.96	-	22.13	0.00	3489.83
MW - 19	05/21/15	3511.96	-	22.10	0.00	3489.86
MW - 19	05/27/15	3511.96	-	22.07	0.00	3489.89
MW - 19	05/28/15	3511.96	-	22.06	0.00	3489.90
MW - 19	06/03/15	3511.96	-	22.05	0.00	3489.91
MW - 19	06/08/15	3511.96	-	22.06	0.00	3489.90
MW - 19	06/15/15	3511.96	-	22.06	0.00	3489.90
MW - 19	06/25/15	3511.96	-	22.00	0.00	3489.96
MW - 19	06/29/15	3511.96	-	22.00	0.00	3489.96
MW - 19	07/08/15	3511.96	-	22.07	0.00	3489.89
MW - 19	07/09/15	3511.96	-	22.05	0.00	3489.91
MW - 19	07/14/15	3511.96	-	22.10	0.00	3489.86
MW - 19	07/20/15	3511.96	-	22.16	0.00	3489.80
MW - 19	07/28/15	3511.96	-	22.25	0.00	3489.71
MW - 19	08/03/15	3511.96	-	22.31	0.00	3489.65
MW - 19	08/04/15	3511.96	-	22.32	0.00	3489.64
MW - 19	08/10/15	3511.96	-	22.37	0.00	3489.59
MW - 19	08/17/15	3511.96	-	22.42	0.00	3489.54
MW - 19	08/25/15	3511.96	-	22.48	0.00	3489.48
MW - 19	08/31/15	3511.96	-	22.45	0.00	3489.51
MW - 19	09/08/15	3511.96	-	22.48	0.00	3489.48
MW - 19	09/15/15	3511.96	-	22.49	0.00	3489.47
MW - 19	09/24/15	3511.96	-	22.59	0.00	3489.37
MW - 19	09/28/15	3511.96	-	22.59	0.00	3489.37
MW - 19	10/06/15	3511.96	-	22.57	0.00	3489.39
MW - 19	10/12/15	3511.96	-	22.51	0.00	3489.45
MW - 19	10/26/15	3511.96	-	22.38	0.00	3489.58
MW - 19	11/06/15	3511.96	-	22.27	0.00	3489.69
MW - 19	11/10/15	3511.96	-	22.21	0.00	3489.75
MW - 19	11/18/15	3511.96	-	22.22	0.00	3489.74
MW - 19	12/02/15	3511.96	-	22.19	0.00	3489.77
MW - 19	12/07/15	3511.96	-	22.17	0.00	3489.79

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	12/14/15	3511.96	-	22.14	0.00	3489.82
MW - 19	01/05/16	3511.96	-	22.10	0.00	3489.86
MW - 19	01/08/16	3511.96	-	22.13	0.00	3489.83
MW - 19	01/12/16	3511.96	-	22.15	0.00	3489.81
MW - 19	01/18/16	3511.96	-	22.13	0.00	3489.83
MW - 19	01/25/16	3511.96	-	22.10	0.00	3489.86
MW - 19	02/01/16	3511.96	-	22.02	0.00	3489.94
MW - 19	02/08/16	3511.96	-	22.10	0.00	3489.86
MW - 19	02/19/16	3511.96	-	22.04	0.00	3489.92
MW - 19	02/24/16	3511.96	-	22.03	0.00	3489.93
MW - 19	03/03/16	3511.96	-	22.06	0.00	3489.90
MW - 19	03/07/16	3511.96	-	21.99	0.00	3489.97
MW - 19	03/15/16	3511.96	-	21.98	0.00	3489.98
MW - 19	03/21/16	3511.96	-	21.98	0.00	3489.98
MW - 19	03/28/16	3511.96	-	21.99	0.00	3489.97
MW - 19	04/05/16	3511.96	-	21.94	0.00	3490.02
MW - 19	04/08/16	3511.96	-	21.99	0.00	3489.97
MW - 19	04/12/16	3511.96	-	21.99	0.00	3489.97
MW - 19	04/18/16	3511.96	-	21.99	0.00	3489.97
MW - 19	04/25/16	3511.96	-	21.92	0.00	3490.04
MW - 19	05/02/16	3511.96	-	21.93	0.00	3490.03
MW - 19	05/23/16	3511.96	-	21.90	0.00	3490.06
MW - 19	06/01/16	3511.96	-	22.03	0.00	3489.93
MW - 19	06/06/16	3511.96	-	22.00	0.00	3489.96
MW - 19	06/09/16	3511.96	-	21.99	0.00	3489.97
MW - 19	06/28/16	3511.96	-	22.20	0.00	3489.76
MW - 19	07/12/16	3511.96	-	22.39	0.00	3489.57
MW - 19	07/19/16	3511.96	-	22.44	0.00	3489.52
MW - 19	07/27/16	3511.96	-	22.49	0.00	3489.47
MW - 19	08/03/16	3511.96	-	22.57	0.00	3489.39
MW - 19	08/04/16	3511.96	-	22.60	0.00	3489.36
MW - 19	08/08/16	3511.96	-	22.66	0.00	3489.30
MW - 19	08/16/16	3511.96	-	22.67	0.00	3489.29
MW - 19	08/23/16	3511.96	-	22.71	0.00	3489.25
MW - 19	08/31/16	3511.96	-	22.46	0.00	3489.50
MW - 19	09/14/16	3511.96	-	21.76	0.00	3490.20
MW - 19	09/22/16	3511.96	-	21.59	0.00	3490.37
MW - 19	09/27/16	3511.96	-	21.50	0.00	3490.46
MW - 19	10/07/16	3511.96	-	21.44	0.00	3490.52
MW - 19	10/21/16	3511.96	-	21.47	0.00	3490.49
MW - 19	10/28/16	3511.96	-	21.47	0.00	3490.49
MW - 19	11/04/16	3511.96	-	21.54	0.00	3490.42
MW - 19	11/09/16	3511.96	-	21.54	0.00	3490.42
MW - 19	12/06/16	3511.96	-	21.52	0.00	3490.44
MW - 19	12/15/16	3511.96	-	21.59	0.00	3490.37
MW - 19	12/22/16	3511.96	-	21.61	0.00	3490.35
MW - 19	12/29/16	3511.96	-	21.63	0.00	3490.33
MW - 19	01/05/17	3511.96	-	21.55	0.00	3490.41
MW - 19	01/11/17	3511.96	-	21.58	0.00	3490.38
MW - 19	01/18/17	3511.96	-	21.60	0.00	3490.36
MW - 19	01/26/17	3511.96	-	21.64	0.00	3490.32
MW - 19	01/31/17	3511.96	-	21.58	0.00	3490.38
MW - 19	02/10/17	3511.96	-	21.61	0.00	3490.35
MW - 19	02/17/17	3511.96	-	21.55	0.00	3490.41

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	02/24/17	3511.96	-	21.56	0.00	3490.40
MW - 19	03/01/17	3511.96	-	21.56	0.00	3490.40
MW - 19	03/09/17	3511.96	-	21.57	0.00	3490.39
MW - 19	03/15/17	3511.96	-	21.56	0.00	3490.40
MW - 19	03/22/17	3511.96	-	21.57	0.00	3490.39
MW - 19	03/29/17	3511.96	-	21.61	0.00	3490.35
MW - 19	04/07/17	3511.96	-	21.59	0.00	3490.37
MW - 19	04/11/17	3511.96	-	21.53	0.00	3490.43
MW - 19	04/20/17	3511.96	-	21.49	0.00	3490.47
MW - 19	05/02/17	3511.96	-	21.48	0.00	3490.48
MW - 19	05/12/17	3511.96	-	21.52	0.00	3490.44
MW - 19	05/16/17	3511.96	-	21.51	0.00	3490.45
MW - 19	05/24/17	3511.96	-	21.58	0.00	3490.38
MW - 19	06/05/17	3511.96	-	21.63	0.00	3490.33
MW - 19	06/15/17	3511.96	-	21.75	0.00	3490.21
MW - 19	06/28/17	3511.96	-	21.86	0.00	3490.10
MW - 19	07/05/17	3511.96	-	21.93	0.00	3490.03
MW - 19	07/11/17	3511.96	-	21.92	0.00	3490.04
MW - 19	07/17/17	3511.96	-	22.01	0.00	3489.95
MW - 19	07/20/17	3511.96	-	22.19	0.00	3489.77
MW - 19	08/16/17	3511.96	-	22.01	0.00	3489.95
MW - 19	09/05/17	3511.96	-	21.81	0.00	3490.15
MW - 19	09/13/17	3511.96	-	21.83	0.00	3490.13
MW - 19	09/19/17	3511.96	-	21.87	0.00	3490.09
MW - 19	09/29/17	3511.96	-	21.90	0.00	3490.06
MW - 19	10/05/17	3511.96	-	21.92	0.00	3490.04
MW - 19	10/12/17	3511.96	-	21.87	0.00	3490.09
MW - 19	10/20/17	3511.96	-	21.75	0.00	3490.21
MW - 19	10/24/17	3511.96	-	21.76	0.00	3490.20
MW - 19	11/02/17	3511.96	-	21.73	0.00	3490.23
MW - 19	11/14/17	3511.96	-	21.72	0.00	3490.24
MW - 19	12/20/17	3511.96	-	22.63	0.00	3489.33
MW - 19	12/28/17	3511.96	-	21.61	0.00	3490.35
MW - 19	01/03/18	3511.96	-	21.62	0.00	3490.34
MW - 19	01/09/18	3511.96	-	21.59	0.00	3490.37
MW - 19	01/19/18	3511.96	-	21.60	0.00	3490.36
MW - 19	01/24/18	3511.96	-	21.62	0.00	3490.34
MW - 19	02/08/18	3511.96	-	21.60	0.00	3490.36
MW - 19	02/12/18	3511.96	-	21.59	0.00	3490.37
MW - 19	02/22/18	3511.96	-	21.58	0.00	3490.38
MW - 19	03/02/18	3511.96	-	21.57	0.00	3490.39
MW - 19	03/07/18	3511.96	-	21.57	0.00	3490.39
MW - 19	03/19/18	3511.96	-	21.59	0.00	3490.37
MW - 19	03/29/18	3511.96	-	21.54	0.00	3490.42
MW - 19	04/02/18	3511.96	-	21.53	0.00	3490.43
MW - 19	04/11/18	3511.96	-	21.54	0.00	3490.42
MW - 19	04/16/18	3511.96	-	21.52	0.00	3490.44
MW - 19	04/25/18	3511.96	-	21.54	0.00	3490.42
MW - 19	05/01/18	3511.96	-	21.54	0.00	3490.42
MW - 19	05/08/18	3511.96	-	21.55	0.00	3490.41
MW - 19	05/22/18	3511.96	-	21.71	0.00	3490.25
MW - 19	05/31/18	3511.96	-	21.84	0.00	3490.12
MW - 19	06/06/18	3511.96	-	21.91	0.00	3490.05
MW - 19	06/13/18	3511.96	-	21.97	0.00	3489.99

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	06/18/18	3511.96	-	22.04	0.00	3489.92
MW - 19	06/25/18	3511.96	-	22.05	0.00	3489.91
MW - 19	07/02/18	3511.96	-	21.10	0.00	3490.86
MW - 19	07/11/18	3511.96	-	22.19	0.00	3489.77
MW - 19	07/19/18	3511.96	-	22.22	0.00	3489.74
MW - 19	07/27/18	3511.96	-	21.27	0.00	3490.69
MW - 19	08/08/18	3511.96	-	22.38	0.00	3489.58
MW - 19	08/30/18	3511.96	-	22.44	0.00	3489.52
MW - 19	09/12/18	3511.96	-	22.44	0.00	3489.52
MW - 19	09/20/18	3511.96	-	22.35	0.00	3489.61
MW - 19	09/26/18	3511.96	-	22.33	0.00	3489.63
MW - 19	10/03/18	3511.96	-	22.31	0.00	3489.65
MW - 19	10/19/18	3511.96	-	22.32	0.00	3489.64
MW - 19	10/31/18	3511.96	-	22.20	0.00	3489.76
MW - 19	11/06/18	3511.96	-	22.19	0.00	3489.77
MW - 19	11/13/18	3511.96	-	22.18	0.00	3489.78
MW - 19	12/03/18	3511.96	-	22.07	0.00	3489.89
MW - 19	12/19/18	3511.96	-	22.05	0.00	3489.91
MW - 19	12/27/18	3511.96	-	21.98	0.00	3489.98
MW - 19	01/03/19	3511.96	-	21.99	0.00	3489.97
MW - 19	01/09/19	3511.96	-	21.99	0.00	3489.97
MW - 19	01/16/19	3511.96	-	21.99	0.00	3489.97
MW - 19	01/31/19	3511.96	-	21.98	0.00	3489.98
MW - 19	02/06/19	3511.96	-	21.95	0.00	3490.01
MW - 19	02/13/19	3511.96	-	21.94	0.00	3490.02
MW - 19	02/28/19	3511.96	-	21.91	0.00	3490.05
MW - 19	03/06/19	3511.96	-	21.90	0.00	3490.06
MW - 19	03/12/19	3511.96	-	21.89	0.00	3490.07
MW - 19	03/19/19	3511.96	-	21.87	0.00	3490.09
MW - 19	03/28/19	3511.96	-	21.85	0.00	3490.11
MW - 19	04/01/19	3511.96	-	21.83	0.00	3490.13
MW - 19	04/10/19	3511.96	-	21.80	0.00	3490.16
MW - 19	04/17/19	3511.96	-	21.82	0.00	3490.14
MW - 19	04/24/19	3511.96	-	21.83	0.00	3490.13
MW - 19	05/01/19	3511.96	-	21.80	0.00	3490.16
MW - 19	05/08/19	3511.96	-	21.78	0.00	3490.18
MW - 19	06/14/19	3511.96	-	21.98	0.00	3489.98
MW - 19	06/28/19	3511.96	-	22.15	0.00	3489.81
MW - 19	07/11/19	3511.96	-	22.24	0.00	3489.72
MW - 19	08/08/19	3511.96	-	22.40	0.00	3489.56
MW - 19	09/12/19	3511.96	-	22.59	0.00	3489.37
MW - 19	09/17/19	3511.96	-	22.57	0.00	3489.39
MW - 19	10/08/19	3511.96	-	22.45	0.00	3489.51
MW - 19	10/15/19	3511.96	-	22.37	0.00	3489.59
MW - 19	11/06/19	3511.96	-	22.30	0.00	3489.66
MW - 19	11/13/19	3511.96	-	22.23	0.00	3489.73
MW - 19	12/17/19	3511.96	-	22.11	0.00	3489.85
MW - 19	01/06/20	3511.96	-	22.07	0.00	3489.89
MW - 19	01/23/20	3511.96	-	22.06	0.00	3489.90
MW - 19	01/29/20	3511.96	-	22.02	0.00	3489.94
MW - 19	02/21/20	3511.96	-	22.02	0.00	3489.94
MW - 19	03/05/20	3511.96	-	22.02	0.00	3489.94
MW - 19	05/14/20	3511.96	-	21.78	0.00	3490.18
MW - 19	05/21/20	3511.96	-	21.82	0.00	3490.14

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 19	06/18/20	3511.96	-	22.16	0.00	3489.80
MW - 19	07/01/20	3511.96	-	22.32	0.00	3489.64
MW - 19	07/21/20	3511.96	-	22.48	0.00	3489.48
MW - 19	08/13/20	3511.96	22.59	22.62	0.03	3489.37
MW - 19	09/14/20	3511.96	22.68	22.76	0.08	3489.27
MW - 19	09/30/20	3511.96	22.72	22.73	0.01	3489.24
MW - 19	10/16/20	3511.96	-	22.77	0.00	3489.19
MW - 19	11/23/20	3511.96	-	22.84	0.00	3489.12
MW - 19	12/10/20	3511.96	-	22.85	0.00	3489.11
MW - 19	12/31/20	3511.96	-	22.85	0.00	3489.11
MW - 19	01/13/21	3511.96	-	22.80	0.00	3489.16
MW - 19	01/22/21	3511.96	-	22.80	0.00	3489.16
MW - 19	02/11/21	3511.96	-	22.78	0.00	3489.18
MW - 19	04/21/21	3511.96	-	22.66	0.00	3489.30
MW - 19	04/28/21	3511.96	-	22.65	0.00	3489.31
MW - 19	06/11/21	3511.96	-	22.70	0.00	3489.26
MW - 19	07/31/21	3511.96	-	22.70	0.00	3489.26
MW - 19	08/31/21	3511.96	-	22.87	0.00	3489.09
MW - 19	09/23/21	3511.96	-	22.91	0.00	3489.05
MW - 19	10/14/21	3511.96	-	22.94	0.00	3489.02
MW - 19	10/28/21	3511.96	-	22.98	0.00	3488.98
MW - 19	12/06/21	3511.96	-	23.01	0.00	3488.95
MW - 19	02/23/22	3511.96	-	22.95	0.00	3489.01
MW - 19	03/14/22	3511.96	-	22.95	0.00	3489.01
MW - 19	04/20/22	3511.96	-	22.96	0.00	3489.00
MW - 19	05/11/22	3511.96	22.97	23.00	0.03	3488.99
MW - 19	05/31/22	3511.96	-	23.09	0.00	3488.87
MW - 19	06/27/22	3511.96	22.20	22.50	0.30	3489.72
MW - 19	08/16/22	3511.96	23.38	23.65	0.27	3488.54
MW - 19	11/10/22	3511.96	23.22	23.40	0.18	3488.71
MW - 20	06/20/02	3508.43	-	21.19	0.00	3487.24
MW - 20	09/26/02	3508.43	-	21.61	0.00	3486.82
MW - 20	11/12/02	3508.43	-	21.60	0.00	3486.83
MW - 20	02/12/03	3508.43	-	21.20	0.00	3487.23
MW - 20	05/14/03	3508.43	-	21.19	0.00	3487.24
MW - 20	08/21/03	3508.43	-	22.05	0.00	3486.38
MW - 20	12/10/03	3508.43	-	22.01	0.00	3486.42
MW - 20	02/11/04	3508.43	-	22.11	0.00	3486.32
MW - 20	05/11/04	3508.43	-	20.98	0.00	3487.45
MW - 20	08/25/04	3508.43	-	21.25	0.00	3487.18
MW - 20	12/03/04	3508.43	-	20.61	0.00	3487.82
MW - 20	03/08/05	3508.43	-	20.00	0.00	3488.43
MW - 20	06/08/05	3508.43	-	19.52	0.00	3488.91
MW - 20	09/15/05	3508.43	-	19.65	0.00	3488.78
MW - 20	12/12/05	3508.43	-	19.51	0.00	3488.92
MW - 20	03/16/06	3508.43	-	19.46	0.00	3488.97
MW - 20	06/15/06	3508.43	-	19.84	0.00	3488.59
MW - 20	09/18/06	3508.43	-	19.65	0.00	3488.78
MW - 20	09/29/06	3508.43	-	19.66	0.00	3488.77
MW - 20	11/30/06	3508.43	-	19.60	0.00	3488.83
MW - 20	02/12/07	3508.43	-	19.46	0.00	3488.97
MW - 20	02/19/07	3508.43	-	19.47	0.00	3488.96
MW - 20	02/27/07	3508.43	-	19.41	0.00	3489.02

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 20	03/05/07	3508.43	-	19.49	0.00	3488.94
MW - 20	03/19/07	3508.43	-	19.45	0.00	3488.98
MW - 20	05/22/07	3508.43	-	19.31	0.00	3489.12
MW - 20	08/15/07	3508.43	-	19.93	0.00	3488.50
MW - 20	11/06/07	3508.43	-	19.73	0.00	3488.70
MW - 20	02/12/08	3508.43	-	19.61	0.00	3488.82
MW - 20	05/13/08	3508.43	-	19.55	0.00	3488.88
MW - 20	08/14/08	3508.43	-	20.28	0.00	3488.15
MW - 20	11/12/08	3508.43	-	19.88	0.00	3488.55
MW - 20	02/10/09	3508.43	-	19.73	0.00	3488.70
MW - 20	02/13/09	3508.43	-	19.74	0.00	3488.69
MW - 20	02/16/09	3508.43	-	19.74	0.00	3488.69
MW - 20	02/24/09	3508.43	-	19.71	0.00	3488.72
MW - 20	03/02/09	3508.43	-	19.77	0.00	3488.66
MW - 20	03/05/09	3508.43	-	19.71	0.00	3488.72
MW - 20	03/09/09	3508.43	-	19.71	0.00	3488.72
MW - 20	03/16/09	3508.43	-	19.73	0.00	3488.70
MW - 20	03/19/09	3508.43	-	19.78	0.00	3488.65
MW - 20	03/25/09	3508.43	-	19.80	0.00	3488.63
MW - 20	03/30/09	3508.43	-	19.75	0.00	3488.68
MW - 20	04/13/09	3508.43	-	19.68	0.00	3488.75
MW - 20	04/16/09	3508.43	-	19.76	0.00	3488.67
MW - 20	04/21/09	3508.43	-	19.74	0.00	3488.69
MW - 20	04/27/09	3508.43	-	19.65	0.00	3488.78
MW - 20	04/30/09	3508.43	-	19.75	0.00	3488.68
MW - 20	05/06/09	3508.43	-	19.75	0.00	3488.68
MW - 20	05/12/09	3508.43	-	19.68	0.00	3488.75
MW - 20	05/19/09	3508.43	-	19.75	0.00	3488.68
MW - 20	06/12/09	3508.43	-	19.75	0.00	3488.68
MW - 20	06/22/09	3508.43	-	20.02	0.00	3488.41
MW - 20	07/06/09	3508.43	-	20.16	0.00	3488.27
MW - 20	07/09/09	3508.43	-	19.77	0.00	3488.66
MW - 20	07/13/09	3508.43	-	19.78	0.00	3488.65
MW - 20	07/20/09	3508.43	-	19.79	0.00	3488.64
MW - 20	07/29/09	3508.43	-	20.39	0.00	3488.04
MW - 20	08/10/09	3508.43	-	20.28	0.00	3488.15
MW - 20	11/18/09	3508.43	-	20.55	0.00	3487.88
MW - 20	01/04/09	3508.43	-	20.53	0.00	3487.90
MW - 20	02/09/10	3508.43	-	20.41	0.00	3488.02
MW - 20	05/12/10	3508.43	-	19.97	0.00	3488.46
MW - 20	08/03/10	3508.43	-	19.62	0.00	3488.81
MW - 20	08/11/10	3508.43	-	19.97	0.00	3488.46
MW - 20	08/19/10	3508.43	-	19.66	0.00	3488.77
MW - 20	11/12/10	3508.43	-	20.55	0.00	3487.88
MW - 20	02/16/11	3508.43	-	20.54	0.00	3487.89
MW - 20	03/01/11	3508.43	-	19.94	0.00	3488.49
MW - 20	03/07/11	3508.43	-	19.92	0.00	3488.51
MW - 20	04/27/11	3508.43	-	19.94	0.00	3488.49
MW - 20	05/05/11	3508.43	-	20.00	0.00	3488.43
MW - 20	05/10/11	3508.43	-	20.12	0.00	3488.31
MW - 20	05/17/11	3508.43	-	20.23	0.00	3488.20
MW - 20	05/19/11	3508.43	-	20.23	0.00	3488.20
MW - 20	05/24/11	3508.43	-	20.13	0.00	3488.30
MW - 20	06/07/11	3508.43	-	20.23	0.00	3488.20

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 20	06/08/11	3508.43	-	20.24	0.00	3488.19
MW - 20	06/14/11	3508.43	-	20.27	0.00	3488.16
MW - 20	06/23/11	3508.43	-	20.26	0.00	3488.17
MW - 20	06/28/11	3508.43	-	20.28	0.00	3488.15
MW - 20	07/06/11	3508.43	-	20.43	0.00	3488.00
MW - 20	07/14/11	3508.43	-	20.43	0.00	3488.00
MW - 20	07/20/11	3508.43	-	20.50	0.00	3487.93
MW - 20	07/27/11	3508.43	-	20.55	0.00	3487.88
MW - 20	08/03/11	3508.43	-	20.57	0.00	3487.86
MW - 20	08/10/11	3508.43	-	20.60	0.00	3487.83
MW - 20	08/18/11	3508.43	-	20.66	0.00	3487.77
MW - 20	08/25/11	3508.43	-	20.71	0.00	3487.72
MW - 20	11/14/11	3508.43	-	20.65	0.00	3487.78
MW - 20	12/01/11	3508.43	-	20.62	0.00	3487.81
MW - 20	12/08/11	3508.43	-	20.62	0.00	3487.81
MW - 20	12/14/11	3508.43	-	19.60	0.00	3488.83
MW - 20	01/12/12	3508.43	-	20.56	0.00	3487.87
MW - 20	01/19/12	3508.43	-	20.53	0.00	3487.90
MW - 20	02/03/12	3508.43	-	20.49	0.00	3487.94
MW - 20	02/29/12	3508.43	-	20.41	0.00	3488.02
MW - 20	03/14/12	3508.43	-	20.36	0.00	3488.07
MW - 20	03/19/12	3508.43	-	20.35	0.00	3488.08
MW - 20	03/29/12	3508.43	-	20.31	0.00	3488.12
MW - 20	04/05/12	3508.43	-	20.29	0.00	3488.14
MW - 20	04/18/12	3508.43	-	20.26	0.00	3488.17
MW - 20	04/27/12	3508.43	-	20.29	0.00	3488.14
MW - 20	05/02/12	3508.43	-	20.34	0.00	3488.09
MW - 20	05/31/12	3508.43	-	20.31	0.00	3488.12
MW - 20	06/08/12	3508.43	-	20.36	0.00	3488.07
MW - 20	06/12/12	3508.43	-	20.40	0.00	3488.03
MW - 20	06/21/12	3508.43	-	20.39	0.00	3488.04
MW - 20	06/29/12	3508.43	-	20.46	0.00	3487.97
MW - 20	07/13/12	3508.43	-	20.62	0.00	3487.81
MW - 20	12/06/12	3508.43	-	20.69	0.00	3487.74
MW - 20	12/11/12	3508.43	-	20.69	0.00	3487.74
MW - 20	12/18/12	3508.43	-	20.69	0.00	3487.74
MW - 20	01/09/13	3508.43	-	19.64	0.00	3488.79
MW - 20	01/15/13	3508.43	-	20.63	0.00	3487.80
MW - 20	01/23/13	3508.43	-	20.62	0.00	3487.81
MW - 20	01/29/13	3508.43	-	20.62	0.00	3487.81
MW - 20	02/07/13	3508.43	-	20.62	0.00	3487.81
MW - 20	02/13/13	3508.43	-	20.58	0.00	3487.85
MW - 20	02/20/13	3508.43	-	20.59	0.00	3487.84
MW - 20	03/15/13	3508.43	-	20.54	0.00	3487.89
MW - 20	03/19/13	3508.43	-	20.55	0.00	3487.88
MW - 20	04/02/13	3508.43	-	20.50	0.00	3487.93
MW - 20	04/09/13	3508.43	-	20.49	0.00	3487.94
MW - 20	04/16/13	3508.43	-	20.48	0.00	3487.95
MW - 20	04/23/13	3508.43	-	20.47	0.00	3487.96
MW - 20	04/30/13	3508.43	-	20.45	0.00	3487.98
MW - 20	05/08/13	3508.43	-	20.46	0.00	3487.97
MW - 20	05/14/13	3508.43	-	20.45	0.00	3487.98
MW - 20	05/22/13	3508.43	-	20.44	0.00	3487.99
MW - 20	05/28/13	3508.43	-	20.46	0.00	3487.97

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 20	06/04/13	3508.43	-	20.47	0.00	3487.96
MW - 20	06/11/13	3508.43	-	20.52	0.00	3487.91
MW - 20	06/19/13	3508.43	-	20.56	0.00	3487.87
MW - 20	06/28/13	3508.43	-	20.65	0.00	3487.78
MW - 20	07/01/13	3508.43	-	20.71	0.00	3487.72
MW - 20	07/08/13	3508.43	-	20.76	0.00	3487.67
MW - 20	07/23/13	3508.43	-	20.83	0.00	3487.60
MW - 20	07/30/13	3508.43	-	20.80	0.00	3487.63
MW - 20	08/05/13	3508.43	-	20.76	0.00	3487.67
MW - 20	08/12/13	3508.43	-	20.77	0.00	3487.66
MW - 20	08/22/13	3508.43	-	20.90	0.00	3487.53
MW - 20	08/29/13	3508.43	-	20.94	0.00	3487.49
MW - 20	09/05/13	3508.43	-	20.96	0.00	3487.47
MW - 20	09/10/13	3508.43	-	21.03	0.00	3487.40
MW - 20	09/17/13	3508.43	-	21.00	0.00	3487.43
MW - 20	09/24/13	3508.43	-	21.03	0.00	3487.40
MW - 20	10/07/13	3508.43	-	21.05	0.00	3487.38
MW - 20	11/14/13	3508.43	-	20.87	0.00	3487.56
MW - 20	11/20/13	3508.43	-	20.85	0.00	3487.58
MW - 20	12/12/13	3508.43	-	20.82	0.00	3487.61
MW - 20	12/19/13	3508.43	-	20.77	0.00	3487.66
MW - 20	01/03/14	3508.43	-	20.78	0.00	3487.65
MW - 20	01/09/14	3508.43	-	20.77	0.00	3487.66
MW - 20	01/13/14	3508.43	-	20.75	0.00	3487.68
MW - 20	01/21/14	3508.43	-	20.75	0.00	3487.68
MW - 20	01/24/14	3508.43	-	20.74	0.00	3487.69
MW - 20	02/04/14	3509.47	-	20.69	0.00	3488.78
MW - 20	02/10/14	3509.47	-	20.70	0.00	3488.77
MW - 20	02/27/14	3509.47	-	20.67	0.00	3488.80
MW - 20	03/17/14	3509.47	-	20.62	0.00	3488.85
MW - 20	03/27/14	3509.47	-	20.58	0.00	3488.89
MW - 20	04/02/14	3509.47	-	20.58	0.00	3488.89
MW - 20	04/16/14	3509.47	-	20.54	0.00	3488.93
MW - 20	04/22/14	3509.47	-	20.53	0.00	3488.94
MW - 20	04/28/14	3509.47	-	20.52	0.00	3488.95
MW - 20	05/06/14	3509.47	-	20.51	0.00	3488.96
MW - 20	05/13/14	3509.47	-	20.53	0.00	3488.94
MW - 20	05/14/14	3509.47	-	20.53	0.00	3488.94
MW - 20	05/21/14	3509.47	-	20.54	0.00	3488.93
MW - 20	06/05/14	3509.47	-	20.64	0.00	3488.83
MW - 20	06/11/14	3509.47	-	20.71	0.00	3488.76
MW - 20	06/16/14	3509.47	-	20.78	0.00	3488.69
MW - 20	06/24/14	3509.47	-	20.87	0.00	3488.60
MW - 20	07/01/14	3509.47	-	20.89	0.00	3488.58
MW - 20	07/08/14	3509.47	-	20.99	0.00	3488.48
MW - 20	07/15/14	3509.47	-	21.04	0.00	3488.43
MW - 20	07/22/14	3509.47	-	21.07	0.00	3488.40
MW - 20	07/23/14	3509.47	-	21.07	0.00	3488.40
MW - 20	07/31/14	3509.47	-	21.10	0.00	3488.37
MW - 20	08/05/14	3509.47	-	21.12	0.00	3488.35
MW - 20	08/07/14	3509.47	-	21.13	0.00	3488.34
MW - 20	08/15/14	3509.47	-	21.16	0.00	3488.31
MW - 20	08/20/14	3509.47	-	21.17	0.00	3488.30
MW - 20	08/27/14	3509.47	-	21.19	0.00	3488.28



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 20	09/24/14	3509.47	-	20.71	0.00	3488.76
MW - 20	10/01/14	3509.47	-	20.08	0.00	3489.39
MW - 20	10/07/14	3509.47	-	19.98	0.00	3489.49
MW - 20	10/14/14	3509.47	-	19.97	0.00	3489.50
MW - 20	10/20/14	3509.47	-	19.97	0.00	3489.50
MW - 20	10/27/14	3509.47	-	19.97	0.00	3489.50
MW - 20	11/03/14	3509.47	-	19.99	0.00	3489.48
MW - 20	11/11/14	3509.47	-	19.96	0.00	3489.51
MW - 20	11/19/14	3509.47	-	19.96	0.00	3489.51
MW - 20	12/08/14	3509.47	-	19.99	0.00	3489.48
MW - 20	12/15/14	3509.47	-	19.99	0.00	3489.48
MW - 20	12/22/14	3509.47	-	19.98	0.00	3489.49
MW - 20	12/29/14	3509.47	-	20.00	0.00	3489.47
MW - 20	01/05/15	3509.47	-	20.02	0.00	3489.45
MW - 20	01/12/15	3509.47	-	20.01	0.00	3489.46
MW - 20	01/19/15	3509.47	-	20.00	0.00	3489.47
MW - 20	02/04/05	3509.47	-	20.01	0.00	3489.46
MW - 20	02/09/15	3509.47	-	20.01	0.00	3489.46
MW - 20	02/19/15	3509.47	-	20.01	0.00	3489.46
MW - 20	03/03/15	3509.47	-	20.00	0.00	3489.47
MW - 20	03/09/15	3509.47	-	20.00	0.00	3489.47
MW - 20	03/16/15	3509.47	-	20.00	0.00	3489.47
MW - 20	03/20/15	3509.47	-	20.00	0.00	3489.47
MW - 20	03/23/15	3509.47	-	19.99	0.00	3489.48
MW - 20	03/30/15	3509.47	-	19.99	0.00	3489.48
MW - 20	04/07/15	3509.47	-	19.97	0.00	3489.50
MW - 20	04/14/15	3509.47	-	19.97	0.00	3489.50
MW - 20	04/20/15	3509.47	-	19.94	0.00	3489.53
MW - 20	04/27/15	3509.47	-	19.94	0.00	3489.53
MW - 20	05/07/15	3509.47	-	21.61	0.00	3487.86
MW - 20	05/11/15	3509.47	-	21.60	0.00	3487.87
MW - 20	05/21/15	3509.47	-	19.87	0.00	3489.60
MW - 20	05/27/15	3509.47	-	19.50	0.00	3489.97
MW - 20	05/28/15	3509.47	-	19.84	0.00	3489.63
MW - 20	06/03/15	3509.47	-	19.83	0.00	3489.64
MW - 20	06/08/15	3509.47	-	19.83	0.00	3489.64
MW - 20	06/15/15	3509.47	-	19.84	0.00	3489.63
MW - 20	06/25/15	3509.47	-	19.83	0.00	3489.64
MW - 20	06/29/15	3509.47	-	19.80	0.00	3489.67
MW - 20	07/08/15	3509.47	-	19.84	0.00	3489.63
MW - 20	07/09/15	3509.47	-	19.83	0.00	3489.64
MW - 20	07/14/15	3509.47	-	19.89	0.00	3489.58
MW - 20	07/20/15	3509.47	-	19.96	0.00	3489.51
MW - 20	07/28/15	3509.47	-	20.04	0.00	3489.43
MW - 20	08/03/15	3509.47	-	20.11	0.00	3489.36
MW - 20	08/04/15	3509.47	-	20.10	0.00	3489.37
MW - 20	08/10/15	3509.47	-	20.16	0.00	3489.31
MW - 20	08/17/15	3509.47	-	20.21	0.00	3489.26
MW - 20	08/25/15	3509.47	-	20.25	0.00	3489.22
MW - 20	08/31/15	3509.47	-	20.21	0.00	3489.26
MW - 20	09/08/15	3509.47	-	20.23	0.00	3489.24
MW - 20	09/15/15	3509.47	-	20.22	0.00	3489.25
MW - 20	09/24/15	3509.47	-	20.33	0.00	3489.14
MW - 20	09/28/15	3509.47	-	20.33	0.00	3489.14

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 20	10/06/15	3509.47	-	20.34	0.00	3489.13
MW - 20	10/12/15	3509.47	-	20.27	0.00	3489.20
MW - 20	10/26/15	3509.47	-	20.15	0.00	3489.32
MW - 20	11/06/15	3509.47	-	20.05	0.00	3489.42
MW - 20	11/10/15	3509.47	-	19.99	0.00	3489.48
MW - 20	11/18/15	3509.47	-	19.99	0.00	3489.48
MW - 20	12/02/15	3509.47	-	19.94	0.00	3489.53
MW - 20	12/07/15	3509.47	-	19.93	0.00	3489.54
MW - 20	12/14/15	3509.47	-	19.91	0.00	3489.56
MW - 20	01/05/16	3509.47	-	19.91	0.00	3489.56
MW - 20	01/08/16	3509.47	-	19.90	0.00	3489.57
MW - 20	01/12/16	3509.47	-	19.90	0.00	3489.57
MW - 20	01/18/16	3509.47	-	19.88	0.00	3489.59
MW - 20	01/25/16	3509.47	-	19.86	0.00	3489.61
MW - 20	02/01/16	3509.47	-	19.84	0.00	3489.63
MW - 20	02/08/16	3509.47	-	19.85	0.00	3489.62
MW - 20	02/19/16	3509.47	-	19.82	0.00	3489.65
MW - 20	02/23/16	3509.47	-	19.80	0.00	3489.67
MW - 20	03/03/16	3509.47	-	19.82	0.00	3489.65
MW - 20	03/07/16	3509.47	-	19.77	0.00	3489.70
MW - 20	03/15/16	3509.47	-	19.77	0.00	3489.70
MW - 20	03/21/16	3509.47	-	19.79	0.00	3489.68
MW - 20	03/28/16	3509.47	-	19.77	0.00	3489.70
MW - 20	04/05/16	3509.47	-	19.74	0.00	3489.73
MW - 20	04/08/16	3509.47	-	19.76	0.00	3489.71
MW - 20	04/12/16	3509.47	-	19.73	0.00	3489.74
MW - 20	04/18/16	3509.47	-	19.72	0.00	3489.75
MW - 20	04/25/16	3509.47	-	19.70	0.00	3489.77
MW - 20	05/02/16	3509.47	-	19.70	0.00	3489.77
MW - 20	05/23/16	3509.47	-	19.68	0.00	3489.79
MW - 20	06/01/16	3509.47	-	19.77	0.00	3489.70
MW - 20	06/06/16	3509.47	-	19.80	0.00	3489.67
MW - 20	06/28/16	3509.47	-	19.97	0.00	3489.50
MW - 20	07/12/16	3509.47	-	20.15	0.00	3489.32
MW - 20	07/19/16	3509.47	-	20.22	0.00	3489.25
MW - 20	07/27/16	3509.47	-	20.29	0.00	3489.18
MW - 20	08/03/16	3509.47	-	20.34	0.00	3489.13
MW - 20	08/08/16	3509.47	-	20.37	0.00	3489.10
MW - 20	08/16/16	3509.47	-	20.39	0.00	3489.08
MW - 20	08/23/16	3509.47	-	20.41	0.00	3489.06
MW - 20	08/31/16	3509.47	-	20.25	0.00	3489.22
MW - 20	09/14/16	3509.47	-	19.54	0.00	3489.93
MW - 20	09/22/16	3509.47	-	19.35	0.00	3490.12
MW - 20	09/27/16	3509.47	-	19.26	0.00	3490.21
MW - 20	10/07/16	3509.47	-	19.22	0.00	3490.25
MW - 20	10/21/16	3509.47	-	19.24	0.00	3490.23
MW - 20	10/28/16	3509.47	-	19.26	0.00	3490.21
MW - 20	11/04/16	3509.47	-	19.28	0.00	3490.19
MW - 20	11/09/16	3509.47	-	19.29	0.00	3490.18
MW - 20	12/06/16	3509.47	-	19.32	0.00	3490.15
MW - 20	12/15/16	3509.47	-	19.35	0.00	3490.12
MW - 20	12/22/16	3509.47	-	19.35	0.00	3490.12
MW - 20	12/29/16	3509.47	-	19.37	0.00	3490.10
MW - 20	01/05/17	3509.47	-	19.35	0.00	3490.12

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 20	01/11/17	3509.47	-	19.54	0.00	3489.93
MW - 20	01/18/17	3509.47	-	19.36	0.00	3490.11
MW - 20	01/26/17	3509.47	-	19.37	0.00	3490.10
MW - 20	01/31/17	3509.47	-	19.35	0.00	3490.12
MW - 20	02/10/17	3509.47	-	19.36	0.00	3490.11
MW - 20	02/17/17	3509.47	-	19.33	0.00	3490.14
MW - 20	02/24/17	3509.47	-	19.35	0.00	3490.12
MW - 20	03/01/17	3509.47	-	19.33	0.00	3490.14
MW - 20	03/09/17	3509.47	-	19.35	0.00	3490.12
MW - 20	03/15/17	3509.47	-	19.34	0.00	3490.13
MW - 20	03/22/17	3509.47	-	19.33	0.00	3490.14
MW - 20	03/29/17	3509.47	-	19.32	0.00	3490.15
MW - 20	04/07/17	3509.47	-	19.32	0.00	3490.15
MW - 20	04/11/17	3509.47	-	19.31	0.00	3490.16
MW - 20	04/20/17	3509.47	-	19.29	0.00	3490.18
MW - 20	05/02/17	3509.47	-	19.28	0.00	3490.19
MW - 20	05/12/17	3509.47	-	19.31	0.00	3490.16
MW - 20	05/16/17	3509.47	-	19.30	0.00	3490.17
MW - 20	05/23/17	3509.47	-	19.35	0.00	3490.12
MW - 20	06/05/17	3509.47	-	19.43	0.00	3490.04
MW - 20	06/15/17	3509.47	-	19.53	0.00	3489.94
MW - 20	06/28/17	3509.47	-	19.65	0.00	3489.82
MW - 20	07/05/17	3509.47	-	19.72	0.00	3489.75
MW - 20	07/11/17	3509.47	-	19.81	0.00	3489.66
MW - 20	07/17/17	3509.47	-	19.82	0.00	3489.65
MW - 20	07/20/17	3509.47	-	19.83	0.00	3489.64
MW - 20	08/16/17	3509.47	-	19.74	0.00	3489.73
MW - 20	09/13/17	3509.47	-	19.53	0.00	3489.94
MW - 20	09/19/17	3509.47	-	19.58	0.00	3489.89
MW - 20	09/29/17	3509.47	-	19.42	0.00	3490.05
MW - 20	10/05/17	3509.47	-	19.69	0.00	3489.78
MW - 20	10/12/17	3509.47	-	19.49	0.00	3489.98
MW - 20	10/20/17	3509.47	-	19.44	0.00	3490.03
MW - 20	10/24/17	3509.47	-	19.58	0.00	3489.89
MW - 20	11/02/17	3509.47	-	19.44	0.00	3490.03
MW - 20	11/14/17	3509.47	-	19.46	0.00	3490.01
MW - 20	12/20/17	3509.47	-	19.41	0.00	3490.06
MW - 20	12/28/17	3509.47	-	19.40	0.00	3490.07
MW - 20	01/03/18	3509.47	-	19.41	0.00	3490.06
MW - 20	01/09/18	3509.47	-	19.39	0.00	3490.08
MW - 20	01/19/18	3509.47	-	19.38	0.00	3490.09
MW - 20	01/24/18	3509.47	-	19.40	0.00	3490.07
MW - 20	02/08/18	3509.47	-	19.39	0.00	3490.08
MW - 20	02/12/18	3509.47	-	19.37	0.00	3490.10
MW - 20	02/22/18	3509.47	-	19.36	0.00	3490.11
MW - 20	03/02/18	3509.47	-	19.37	0.00	3490.10
MW - 20	03/07/18	3509.47	-	19.36	0.00	3490.11
MW - 20	03/19/18	3509.47	-	19.35	0.00	3490.12
MW - 20	03/29/18	3509.47	-	19.34	0.00	3490.13
MW - 20	04/02/18	3509.47	-	19.33	0.00	3490.14
MW - 20	04/11/18	3509.47	-	19.33	0.00	3490.14
MW - 20	04/16/18	3509.47	-	19.31	0.00	3490.16
MW - 20	04/25/18	3509.47	-	19.33	0.00	3490.14
MW - 20	05/01/18	3509.47	-	19.32	0.00	3490.15

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 20	05/08/18	3509.47	-	19.36	0.00	3490.11
MW - 20	05/21/18	3509.47	-	19.53	0.00	3489.94
MW - 20	05/31/18	3509.47	-	19.64	0.00	3489.83
MW - 20	06/06/18	3509.47	-	19.17	0.00	3490.30
MW - 20	06/13/18	3509.47	-	19.76	0.00	3489.71
MW - 20	06/18/18	3509.47	-	19.78	0.00	3489.69
MW - 20	06/25/18	3509.47	-	19.83	0.00	3489.64
MW - 20	07/02/18	3509.47	-	19.89	0.00	3489.58
MW - 20	07/11/18	3509.47	-	19.95	0.00	3489.52
MW - 20	07/19/18	3509.47	-	19.98	0.00	3489.49
MW - 20	07/27/18	3509.47	-	20.05	0.00	3489.42
MW - 20	08/08/18	3509.47	-	20.12	0.00	3489.35
MW - 20	08/30/18	3509.47	-	20.20	0.00	3489.27
MW - 20	09/12/18	3509.47	-	20.18	0.00	3489.29
MW - 20	09/26/18	3509.47	-	20.10	0.00	3489.37
MW - 20	10/03/18	3509.47	-	20.09	0.00	3489.38
MW - 20	10/19/18	3509.47	-	20.09	0.00	3489.38
MW - 20	10/31/18	3509.47	-	19.95	0.00	3489.52
MW - 20	11/06/18	3509.47	-	19.88	0.00	3489.59
MW - 20	11/12/18	3509.47	-	19.86	0.00	3489.61
MW - 20	12/03/18	3509.47	-	19.82	0.00	3489.65
MW - 20	12/05/18	3509.47	-	19.82	0.00	3489.65
MW - 20	12/19/18	3509.47	-	19.77	0.00	3489.70
MW - 20	12/27/18	3509.47	-	19.76	0.00	3489.71
MW - 20	01/14/18	3509.47	-	19.73	0.00	3489.74
MW - 20	01/03/19	3509.47	-	19.74	0.00	3489.73
MW - 20	01/09/19	3509.47	-	19.74	0.00	3489.73
MW - 20	01/16/19	3509.47	-	19.73	0.00	3489.74
MW - 20	02/06/19	3509.47	-	19.72	0.00	3489.75
MW - 20	02/13/19	3509.47	-	19.69	0.00	3489.78
MW - 20	02/28/19	3509.47	-	19.67	0.00	3489.80
MW - 20	03/06/19	3509.47	-	19.67	0.00	3489.80
MW - 20	03/12/19	3509.47	-	19.64	0.00	3489.83
MW - 20	03/19/19	3509.47	-	19.63	0.00	3489.84
MW - 20	03/28/19	3509.47	-	19.61	0.00	3489.86
MW - 20	04/01/19	3509.47	-	19.60	0.00	3489.87
MW - 20	04/10/19	3509.47	-	19.57	0.00	3489.90
MW - 20	04/17/19	3509.47	-	19.56	0.00	3489.91
MW - 20	04/24/19	3509.47	-	19.55	0.00	3489.92
MW - 20	05/01/19	3509.47	-	19.54	0.00	3489.93
MW - 20	05/08/19	3509.47	-	19.53	0.00	3489.94
MW - 20	06/14/19	3509.47	-	19.74	0.00	3489.73
MW - 20	07/11/19	3509.47	-	20.02	0.00	3489.45
MW - 20	08/07/19	3509.47	-	20.19	0.00	3489.28
MW - 20	09/12/19	3509.47	-	20.32	0.00	3489.15
MW - 20	09/17/19	3509.47	-	20.34	0.00	3489.13
MW - 20	10/15/19	3509.47	-	20.10	0.00	3489.37
MW - 20	11/06/19	3509.47	-	20.06	0.00	3489.41
MW - 20	12/17/19	3509.47	-	19.88	0.00	3489.59
MW - 20	01/06/20	3509.47	-	19.85	0.00	3489.62
MW - 20	01/23/20	3509.47	-	19.83	0.00	3489.64
MW - 20	03/04/20	3509.47	-	19.78	0.00	3489.69
MW - 20	05/14/20	3509.47	-	19.57	0.00	3489.90
MW - 20	05/21/20	3509.47	-	19.60	0.00	3489.87

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 20	06/18/20	3509.47	-	19.96	0.00	3489.51
MW - 20	07/21/20	3509.47	-	20.25	0.00	3489.22
MW - 20	08/13/20	3509.47	-	20.37	0.00	3489.10
MW - 20	09/14/20	3509.47	-	20.46	0.00	3489.01
MW - 20	12/09/20	3509.47	-	20.62	0.00	3488.85
MW - 20	01/13/21	3509.47	-	20.61	0.00	3488.86
MW - 20	02/11/21	3509.47	-	20.55	0.00	3488.92
MW - 20	04/21/21	3509.47	-	20.46	0.00	3489.01
MW - 20	06/10/21	3509.47	-	20.47	0.00	3489.00
MW - 20	09/22/21	3509.47	-	20.69	0.00	3488.78
MW - 20	10/14/21	3509.47	-	20.72	0.00	3488.75
MW - 20	12/06/21	3509.47	-	20.79	0.00	3488.68
MW - 20	03/16/22	3509.47	-	20.74	0.00	3488.73
MW - 20	04/20/22	3509.47	-	20.76	0.00	3488.71
MW - 20	05/11/22	3509.47	-	20.79	0.00	3488.68
MW - 20	08/16/22	3509.47	-	21.17	0.00	3488.30
MW - 20	11/10/22	3509.47	-	21.02	0.00	3488.45
MW - 21	06/20/02	3506.98	-	20.20	0.00	3486.78
MW - 21	09/26/02	3506.98	-	20.63	0.00	3486.35
MW - 21	11/12/02	3506.98	-	21.52	0.00	3485.46
MW - 21	02/12/03	3506.98	-	20.18	0.00	3486.80
MW - 21	05/14/03	3506.98	-	20.18	0.00	3486.80
MW - 21	08/21/03	3506.98	-	21.01	0.00	3485.97
MW - 21	12/10/03	3506.98	-	20.98	0.00	3486.00
MW - 21	02/11/04	3506.98	-	21.11	0.00	3485.87
MW - 21	05/11/04	3506.98	-	19.96	0.00	3487.02
MW - 21	08/25/04	3506.98	-	20.23	0.00	3486.75
MW - 21	12/02/04	3506.98	-	19.60	0.00	3487.38
MW - 21	03/08/05	3506.98	-	18.94	0.00	3488.04
MW - 21	06/08/05	3506.98	-	18.48	0.00	3488.50
MW - 21	09/15/05	3506.98	-	18.63	0.00	3488.35
MW - 21	12/12/05	3506.98	-	18.47	0.00	3488.51
MW - 21	03/16/06	3506.98	-	18.42	0.00	3488.56
MW - 21	06/15/06	3506.98	-	18.81	0.00	3488.17
MW - 21	09/18/06	3506.98	-	18.64	0.00	3488.34
MW - 21	09/29/06	3506.98	-	18.62	0.00	3488.36
MW - 21	11/30/06	3506.98	-	18.62	0.00	3488.36
MW - 21	02/12/07	3506.98	-	18.42	0.00	3488.56
MW - 21	02/19/07	3506.98	-	18.42	0.00	3488.56
MW - 21	02/27/07	3506.98	-	18.42	0.00	3488.56
MW - 21	03/05/07	3506.98	-	18.44	0.00	3488.54
MW - 21	03/19/07	3506.98	-	17.41	0.00	3489.57
MW - 21	05/22/07	3506.98	-	18.21	0.00	3488.77
MW - 21	08/15/07	3506.98	-	18.89	0.00	3488.09
MW - 21	11/06/07	3506.98	-	18.69	0.00	3488.29
MW - 21	02/12/08	3506.98	-	18.55	0.00	3488.43
MW - 21	05/13/08	3506.98	-	18.48	0.00	3488.50
MW - 21	08/14/08	3506.98	-	19.21	0.00	3487.77
MW - 21	11/12/08	3506.98	-	18.80	0.00	3488.18
MW - 21	02/10/09	3506.98	-	18.66	0.00	3488.32
MW - 21	05/12/09	3506.98	-	18.62	0.00	3488.36
MW - 21	08/10/09	3506.98	-	19.21	0.00	3487.77
MW - 21	11/18/09	3506.98	-	19.45	0.00	3487.53

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 21	01/04/10	3506.98	-	19.50	0.00	3487.48
MW - 21	02/09/10	3506.98	-	19.29	0.00	3487.69
MW - 21	05/12/10	3506.98	-	18.91	0.00	3488.07
MW - 21	08/11/10	3506.98	-	18.91	0.00	3488.07
MW - 21	11/11/10	3506.98	-	19.48	0.00	3487.50
MW - 21	02/16/11	3506.98	-	19.49	0.00	3487.49
MW - 21	05/19/11	3506.98	-	19.47	0.00	3487.51
MW - 21	08/10/11	3506.98	-	19.54	0.00	3487.44
MW - 21	11/14/11	3506.98	-	19.60	0.00	3487.38
MW - 21	02/29/12	3506.98	-	19.35	0.00	3487.63
MW - 21	05/02/12	3506.98	-	19.30	0.00	3487.68
MW - 21	12/06/12	3506.98	-	19.64	0.00	3487.34
MW - 21	02/13/13	3506.98	-	19.53	0.00	3487.45
MW - 21	02/25/13	3506.98	-	19.52	0.00	3487.46
MW - 21	04/30/13	3506.98	-	19.41	0.00	3487.57
MW - 21	05/08/13	3506.98	-	19.44	0.00	3487.54
MW - 21	05/22/13	3506.98	-	19.41	0.00	3487.57
MW - 21	06/04/13	3506.98	-	19.44	0.00	3487.54
MW - 21	06/19/13	3506.98	-	19.41	0.00	3487.57
MW - 21	06/28/13	3506.98	-	19.63	0.00	3487.35
MW - 21	07/01/13	3506.98	-	19.69	0.00	3487.29
MW - 21	07/08/13	3506.98	-	19.75	0.00	3487.23
MW - 21	07/23/13	3506.98	-	19.81	0.00	3487.17
MW - 21	07/30/13	3506.98	-	19.75	0.00	3487.23
MW - 21	08/05/13	3506.98	-	19.74	0.00	3487.24
MW - 21	08/12/13	3506.98	-	19.74	0.00	3487.24
MW - 21	08/22/13	3506.98	-	19.84	0.00	3487.14
MW - 21	08/29/13	3506.98	-	19.90	0.00	3487.08
MW - 21	09/05/13	3506.98	-	19.92	0.00	3487.06
MW - 21	09/10/13	3506.98	-	19.95	0.00	3487.03
MW - 21	09/17/13	3506.98	-	19.98	0.00	3487.00
MW - 21	09/24/13	3506.98	-	19.97	0.00	3487.01
MW - 21	10/07/13	3506.98	-	20.03	0.00	3486.95
MW - 21	11/14/13	3506.98	-	19.85	0.00	3487.13
MW - 21	11/20/13	3506.98	-	19.82	0.00	3487.16
MW - 21	12/12/13	3506.98	-	19.79	0.00	3487.19
MW - 21	12/19/13	3506.98	-	19.75	0.00	3487.23
MW - 21	01/03/14	3506.98	-	19.74	0.00	3487.24
MW - 21	01/09/14	3506.98	-	19.72	0.00	3487.26
MW - 21	01/13/14	3506.98	-	19.72	0.00	3487.26
MW - 21	01/21/14	3506.98	-	19.70	0.00	3487.28
MW - 21	01/24/14	3506.98	-	19.70	0.00	3487.28
MW - 21	02/10/14	3506.98	-	19.65	0.00	3487.33
MW - 21	02/04/14	3508.05	-	19.64	0.00	3488.41
MW - 21	02/27/14	3508.05	-	19.64	0.00	3488.41
MW - 21	03/17/14	3508.05	-	19.60	0.00	3488.45
MW - 21	03/27/14	3508.05	-	19.55	0.00	3488.50
MW - 21	04/02/14	3508.05	-	19.54	0.00	3488.51
MW - 21	04/16/14	3508.05	-	19.52	0.00	3488.53
MW - 21	04/22/14	3508.05	-	19.50	0.00	3488.55
MW - 21	04/28/14	3508.05	-	19.50	0.00	3488.55
MW - 21	05/06/14	3508.05	-	19.49	0.00	3488.56
MW - 21	05/13/14	3508.05	-	19.50	0.00	3488.55
MW - 21	05/14/14	3508.05	-	19.51	0.00	3488.54

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 21	05/21/14	3508.05	-	19.54	0.00	3488.51
MW - 21	06/05/14	3508.05	-	19.64	0.00	3488.41
MW - 21	06/11/14	3508.05	-	19.72	0.00	3488.33
MW - 21	06/16/14	3508.05	-	19.79	0.00	3488.26
MW - 21	07/22/14	3508.05	-	20.06	0.00	3487.99
MW - 21	08/05/14	3508.05	-	20.12	0.00	3487.93
MW - 21	10/27/14	3508.05	-	18.93	0.00	3489.12
MW - 21	11/19/14	3508.05	-	18.90	0.00	3489.15
MW - 21	02/09/15	3508.05	-	18.98	0.00	3489.07
MW - 21	03/20/15	3508.05	-	18.96	0.00	3489.09
MW - 21	04/04/15	3508.05	-	18.95	0.00	3489.10
MW - 21	05/27/15	3508.05	-	18.78	0.00	3489.27
MW - 21	07/09/15	3508.05	-	18.80	0.00	3489.25
MW - 21	08/03/15	3508.05	-	19.09	0.00	3488.96
MW - 21	09/24/15	3508.05	-	19.30	0.00	3488.75
MW - 21	11/18/15	3508.05	-	18.94	0.00	3489.11
MW - 21	01/08/16	3508.05	-	18.86	0.00	3489.19
MW - 21	02/23/16	3508.05	-	18.79	0.00	3489.26
MW - 21	04/08/16	3508.05	-	18.72	0.00	3489.33
MW - 21	06/06/16	3508.05	-	18.77	0.00	3489.28
MW - 21	06/28/16	3508.05	-	18.95	0.00	3489.10
MW - 21	07/27/16	3508.05	-	19.28	0.00	3488.77
MW - 21	08/03/16	3508.05	-	19.33	0.00	3488.72
MW - 21	09/27/16	3508.05	-	18.07	0.00	3489.98
MW - 21	10/21/16	3508.05	-	18.20	0.00	3489.85
MW - 21	11/09/16	3508.05	-	18.26	0.00	3489.79
MW - 21	01/26/17	3508.05	-	18.32	0.00	3489.73
MW - 21	03/01/17	3508.05	-	18.31	0.00	3489.74
MW - 21	03/15/17	3508.05	-	18.28	0.00	3489.77
MW - 21	05/23/17	3508.05	-	18.32	0.00	3489.73
MW - 21	07/20/17	3508.05	-	18.80	0.00	3489.25
MW - 21	08/16/17	3508.05	-	18.63	0.00	3489.42
MW - 21	09/13/17	3508.05	-	18.48	0.00	3489.57
MW - 21	10/12/17	3508.05	-	18.41	0.00	3489.64
MW - 21	11/14/17	3508.05	-	18.38	0.00	3489.67
MW - 21	12/20/17	3508.05	-	18.35	0.00	3489.70
MW - 21	01/09/18	3508.05	-	18.34	0.00	3489.71
MW - 21	02/08/18	3508.05	-	18.32	0.00	3489.73
MW - 21	03/29/18	3508.05	-	18.28	0.00	3489.77
MW - 21	04/16/18	3508.05	-	18.26	0.00	3489.79
MW - 21	05/21/18	3508.05	-	18.50	0.00	3489.55
MW - 21	06/18/18	3508.05	-	18.75	0.00	3489.30
MW - 21	07/11/18	3508.05	-	18.92	0.00	3489.13
MW - 21	08/08/18	3508.05	-	19.09	0.00	3488.96
MW - 21	09/12/18	3508.05	-	19.09	0.00	3488.96
MW - 21	11/12/18	3508.05	-	18.79	0.00	3489.26
MW - 21	01/09/19	3508.05	-	18.68	0.00	3489.37
MW - 21	02/12/19	3508.05	-	18.63	0.00	3489.42
MW - 21	03/12/19	3508.05	-	18.58	0.00	3489.47
MW - 21	04/01/19	3508.05	-	18.52	0.00	3489.53
MW - 21	05/08/19	3508.05	-	18.48	0.00	3489.57
MW - 21	06/14/19	3508.05	-	18.71	0.00	3489.34
MW - 21	07/11/19	3508.05	-	18.99	0.00	3489.06
MW - 21	08/07/19	3508.05	-	19.15	0.00	3488.90

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 21	09/12/19	3508.05	-	19.27	0.00	3488.78
MW - 21	10/15/19	3508.05	-	19.01	0.00	3489.04
MW - 21	11/06/19	3508.05	-	18.98	0.00	3489.07
MW - 21	12/17/19	3508.05	-	18.81	0.00	3489.24
MW - 21	01/06/20	3508.05	-	18.78	0.00	3489.27
MW - 21	03/04/20	3508.05	-	18.72	0.00	3489.33
MW - 21	05/14/20	3508.05	-	18.53	0.00	3489.52
MW - 21	06/17/20	3508.05	-	18.95	0.00	3489.10
MW - 21	07/21/20	3508.05	-	19.24	0.00	3488.81
MW - 21	08/12/20	3508.05	-	19.32	0.00	3488.73
MW - 21	09/14/20	3508.05	-	19.42	0.00	3488.63
MW - 21	12/08/20	3508.05	-	19.54	0.00	3488.51
MW - 21	01/13/21	3508.05	-	19.55	0.00	3488.50
MW - 21	02/10/21	3508.05	-	19.49	0.00	3488.56
MW - 21	04/21/21	3508.05	-	19.43	0.00	3488.62
MW - 21	06/10/21	3508.05	-	19.46	0.00	3488.59
MW - 21	09/22/21	3508.05	-	19.66	0.00	3488.39
MW - 21	10/14/21	3508.05	-	19.69	0.00	3488.36
MW - 21	12/06/21	3508.05	-	19.73	0.00	3488.32
MW - 21	03/14/22	3508.05	-	19.70	0.00	3488.35
MW - 21	04/20/22	3508.05	-	19.70	0.00	3488.35
MW - 21	05/09/22	3508.05	-	19.76	0.00	3488.29
MW - 21	08/16/22	3508.05	-	20.20	0.00	3487.85
MW - 21	11/08/22	3508.05	-	20.11	0.00	3487.94
MW - 22	06/20/02	3505.61	-	19.32	0.00	3486.29
MW - 22	09/26/02	3505.61	-	19.68	0.00	3485.93
MW - 22	11/12/02	3505.61	-	19.54	0.00	3486.07
MW - 22	02/12/04	3505.61	-	19.23	0.00	3486.38
MW - 22	05/14/03	3505.61	-	19.25	0.00	3486.36
MW - 22	08/21/03	3505.61	-	20.14	0.00	3485.47
MW - 22	12/10/03	3505.61	-	20.12	0.00	3485.49
MW - 22	02/11/04	3505.61	-	20.15	0.00	3485.46
MW - 22	05/11/04	3505.61	-	18.96	0.00	3486.65
MW - 22	08/25/04	3505.61	-	19.28	0.00	3486.33
MW - 22	12/03/04	3505.61	-	18.62	0.00	3486.99
MW - 22	03/08/05	3505.61	-	18.00	0.00	3487.61
MW - 22	06/08/05	3505.61	-	17.52	0.00	3488.09
MW - 22	09/15/05	3505.61	-	17.70	0.00	3487.91
MW - 22	12/12/05	3505.61	-	17.49	0.00	3488.12
MW - 22	03/16/06	3505.61	-	17.43	0.00	3488.18
MW - 22	06/15/06	3505.61	-	17.83	0.00	3487.78
MW - 22	09/18/06	3505.61	-	17.68	0.00	3487.93
MW - 22	11/30/06	3505.61	-	17.66	0.00	3487.95
MW - 22	02/12/07	3505.61	-	17.47	0.00	3488.14
MW - 22	02/19/07	3505.61	-	17.47	0.00	3488.14
MW - 22	02/27/07	3505.61	-	17.49	0.00	3488.12
MW - 22	03/05/07	3505.61	-	17.48	0.00	3488.13
MW - 22	03/19/07	3505.61	-	17.46	0.00	3488.15
MW - 22	05/22/07	3505.61	-	17.30	0.00	3488.31
MW - 22	08/15/07	3505.61	-	17.93	0.00	3487.68
MW - 22	11/06/07	3505.61	-	17.69	0.00	3487.92
MW - 22	02/12/08	3505.61	-	17.59	0.00	3488.02
MW - 22	05/13/08	3505.61	-	19.33	0.00	3486.28



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 22	08/14/08	3505.61	-	18.26	0.00	3487.35
MW - 22	11/12/08	3505.61	-	18.81	0.00	3486.80
MW - 22	02/10/09	3505.61	-	17.72	0.00	3487.89
MW - 22	05/12/09	3505.61	-	17.63	0.00	3487.98
MW - 22	08/10/09	3505.61	-	18.23	0.00	3487.38
MW - 22	11/18/09	3505.61	-	18.44	0.00	3487.17
MW - 22	01/04/10	3505.61	-	18.46	0.00	3487.15
MW - 22	02/09/10	3505.61	-	18.29	0.00	3487.32
MW - 22	05/12/10	3505.61	-	17.94	0.00	3487.67
MW - 22	08/11/10	3505.61	-	17.94	0.00	3487.67
MW - 22	11/11/10	3505.61	-	18.46	0.00	3487.15
MW - 22	02/16/11	3505.61	-	18.45	0.00	3487.16
MW - 22	05/19/11	3505.61	-	18.48	0.00	3487.13
MW - 22	08/10/11	3505.61	-	18.56	0.00	3487.05
MW - 22	11/14/11	3505.61	-	18.62	0.00	3486.99
MW - 22	02/29/12	3505.61	-	18.36	0.00	3487.25
MW - 22	05/02/12	3505.61	-	18.32	0.00	3487.29
MW - 22	12/06/12	3505.61	-	18.67	0.00	3486.94
MW - 22	02/13/13	3505.61	-	18.53	0.00	3487.08
MW - 22	05/22/13	3505.61	-	18.42	0.00	3487.19
MW - 22	08/12/13	3505.61	-	18.77	0.00	3486.84
MW - 22	11/20/13	3505.61	-	18.83	0.00	3486.78
MW - 22	02/04/14	3506.66	-	18.68	0.00	3487.98
MW - 22	05/14/14	3506.66	-	18.54	0.00	3488.12
MW - 22	07/22/14	3506.66	-	19.11	0.00	3487.55
MW - 22	08/05/14	3506.66	-	19.20	0.00	3487.46
MW - 22	10/27/14	3506.66	-	17.98	0.00	3488.68
MW - 22	11/19/14	3506.66	-	17.93	0.00	3488.73
MW - 22	02/09/15	3506.66	-	18.00	0.00	3488.66
MW - 22	03/20/15	3506.66	-	18.00	0.00	3488.66
MW - 22	04/04/15	3506.66	-	17.94	0.00	3488.72
MW - 22	05/27/15	3506.66	-	17.75	0.00	3488.91
MW - 22	07/09/15	3506.66	-	17.85	0.00	3488.81
MW - 22	08/03/15	3506.66	-	18.14	0.00	3488.52
MW - 22	09/24/15	3506.66	-	18.31	0.00	3488.35
MW - 22	11/18/15	3506.66	-	17.95	0.00	3488.71
MW - 22	01/08/16	3506.66	-	17.86	0.00	3488.80
MW - 22	02/23/16	3506.66	-	17.82	0.00	3488.84
MW - 22	04/08/16	3506.66	-	17.74	0.00	3488.92
MW - 22	06/06/16	3506.66	-	17.82	0.00	3488.84
MW - 22	06/28/16	3506.66	-	17.99	0.00	3488.67
MW - 22	07/27/16	3506.66	-	18.34	0.00	3488.32
MW - 22	08/03/16	3506.66	-	18.37	0.00	3488.29
MW - 22	09/27/16	3506.66	-	17.03	0.00	3489.63
MW - 22	10/21/16	3506.66	-	17.24	0.00	3489.42
MW - 22	11/08/16	3506.66	-	17.28	0.00	3489.38
MW - 22	01/26/17	3506.66	-	17.32	0.00	3489.34
MW - 22	02/28/17	3506.66	-	17.32	0.00	3489.34
MW - 22	03/15/17	3506.66	-	17.29	0.00	3489.37
MW - 22	05/23/17	3506.66	-	17.32	0.00	3489.34
MW - 22	07/20/17	3506.66	-	17.83	0.00	3488.83
MW - 22	08/16/17	3506.66	-	17.83	0.00	3488.83
MW - 22	09/13/17	3506.66	-	17.46	0.00	3489.20
MW - 22	10/12/17	3506.66	-	17.37	0.00	3489.29

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 22	11/14/17	3506.66	-	17.39	0.00	3489.27
MW - 22	12/20/17	3506.66	-	18.37	0.00	3488.29
MW - 22	01/09/18	3506.66	-	17.35	0.00	3489.31
MW - 22	02/07/18	3506.66	-	17.34	0.00	3489.32
MW - 22	03/29/18	3506.66	-	17.31	0.00	3489.35
MW - 22	04/16/18	3506.66	-	17.28	0.00	3489.38
MW - 22	05/21/18	3506.66	-	17.54	0.00	3489.12
MW - 22	06/18/18	3506.66	-	17.79	0.00	3488.87
MW - 22	07/11/18	3506.66	-	17.96	0.00	3488.70
MW - 22	08/08/18	3506.66	-	18.16	0.00	3488.50
MW - 22	09/12/18	3506.66	-	18.07	0.00	3488.59
MW - 22	11/12/18	3506.66	-	17.80	0.00	3488.86
MW - 22	01/09/19	3506.66	-	17.68	0.00	3488.98
MW - 22	02/12/19	3506.66	-	17.64	0.00	3489.02
MW - 22	03/12/19	3506.66	-	17.59	0.00	3489.07
MW - 22	04/01/19	3506.66	-	17.54	0.00	3489.12
MW - 22	05/07/19	3506.66	-	17.50	0.00	3489.16
MW - 22	06/14/19	3506.66	-	17.75	0.00	3488.91
MW - 22	07/11/19	3506.66	-	18.02	0.00	3488.64
MW - 22	08/07/19	3506.66	-	18.20	0.00	3488.46
MW - 22	09/12/19	3506.66	-	18.30	0.00	3488.36
MW - 22	10/15/19	3506.66	-	18.02	0.00	3488.64
MW - 22	11/06/19	3506.66	-	17.99	0.00	3488.67
MW - 22	12/17/19	3506.66	-	17.82	0.00	3488.84
MW - 22	01/06/20	3506.66	-	17.80	0.00	3488.86
MW - 22	03/04/20	3506.66	-	17.74	0.00	3488.92
MW - 22	05/14/20	3506.66	-	17.57	0.00	3489.09
MW - 23	06/20/02	3509.79	-	22.91	0.00	3486.88
MW - 23	09/26/02	3509.79	-	23.36	0.00	3486.43
MW - 23	11/12/02	3509.79	-	23.24	0.00	3486.55
MW - 23	02/12/03	3509.79	-	22.90	0.00	3486.89
MW - 23	05/14/03	3509.79	-	22.93	0.00	3486.86
MW - 23	08/21/03	3509.79	-	23.73	0.00	3486.06
MW - 23	12/10/03	3509.79	-	23.70	0.00	3486.09
MW - 23	02/11/04	3509.79	-	23.86	0.00	3485.93
MW - 23	05/11/04	3509.79	-	22.62	0.00	3487.17
MW - 23	08/25/04	3509.79	-	22.91	0.00	3486.88
MW - 23	12/03/04	3509.79	-	22.36	0.00	3487.43
MW - 23	03/08/05	3509.79	-	21.67	0.00	3488.12
MW - 23	06/08/05	3509.79	-	21.18	0.00	3488.61
MW - 23	09/15/05	3509.79	-	21.32	0.00	3488.47
MW - 23	12/12/05	3509.79	-	21.13	0.00	3488.66
MW - 23	03/16/06	3509.79	-	21.10	0.00	3488.69
MW - 23	06/15/06	3509.79	-	21.51	0.00	3488.28
MW - 23	09/18/06	3509.79	-	21.34	0.00	3488.45
MW - 23	09/29/06	3509.79	-	21.31	0.00	3488.48
MW - 23	11/30/06	3509.79	-	21.32	0.00	3488.47
MW - 23	02/12/07	3509.79	-	21.82	0.00	3487.97
MW - 23	02/19/07	3509.79	-	21.13	0.00	3488.66
MW - 23	02/27/07	3509.79	-	21.12	0.00	3488.67
MW - 23	03/05/07	3509.79	-	21.15	0.00	3488.64
MW - 23	03/19/07	3509.79	-	18.23	0.00	3491.56
MW - 23	05/22/07	3509.79	-	20.91	0.00	3488.88

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 23	08/15/07	3509.79	-	21.59	0.00	3488.20
MW - 23	11/06/07	3509.79	-	21.39	0.00	3488.40
MW - 23	02/12/08	3509.79	-	21.25	0.00	3488.54
MW - 23	05/13/08	3509.79	-	21.18	0.00	3488.61
MW - 23	08/14/08	3509.79	-	21.93	0.00	3487.86
MW - 23	11/12/08	3509.79	-	21.51	0.00	3488.28
MW - 23	02/10/09	3509.79	-	21.38	0.00	3488.41
MW - 23	05/12/09	3509.79	-	21.34	0.00	3488.45
MW - 23	08/10/09	3509.79	-	21.94	0.00	3487.85
MW - 23	11/18/09	3509.79	-	22.15	0.00	3487.64
MW - 23	01/04/10	3509.79	-	22.13	0.00	3487.66
MW - 23	02/09/10	3509.79	-	22.00	0.00	3487.79
MW - 23	05/12/10	3509.79	-	21.63	0.00	3488.16
MW - 23	08/11/10	3509.79	-	21.62	0.00	3488.17
MW - 23	11/11/10	3509.79	-	22.12	0.00	3487.67
MW - 23	02/16/11	3509.79	-	22.13	0.00	3487.66
MW - 23	05/19/11	3509.79	-	22.12	0.00	3487.67
MW - 23	08/10/11	3509.79	-	22.27	0.00	3487.52
MW - 23	11/14/11	3509.79	-	22.31	0.00	3487.48
MW - 23	02/29/12	3509.79	-	22.06	0.00	3487.73
MW - 23	05/02/12	3509.79	-	22.00	0.00	3487.79
MW - 23	12/06/12	3509.79	-	22.35	0.00	3487.44
MW - 23	02/13/13	3509.79	-	22.25	0.00	3487.54
MW - 23	05/22/13	3509.79	-	22.13	0.00	3487.66
MW - 23	08/12/13	3509.79	-	22.47	0.00	3487.32
MW - 23	11/20/13	3509.79	-	22.55	0.00	3487.24
MW - 23	02/04/14	3510.83	-	22.36	0.00	3488.47
MW - 23	05/14/14	3510.83	-	22.21	0.00	3488.62
MW - 23	07/22/14	3510.83	-	22.78	0.00	3488.05
MW - 23	08/05/14	3510.83	-	22.83	0.00	3488.00
MW - 23	10/27/14	3510.83	-	21.68	0.00	3489.15
MW - 23	11/19/14	3510.83	-	21.68	0.00	3489.15
MW - 23	02/09/15	3510.83	-	21.68	0.00	3489.15
MW - 23	03/20/15	3510.83	-	21.68	0.00	3489.15
MW - 23	04/04/15	3510.83	-	21.67	0.00	3489.16
MW - 23	05/27/15	3510.83	-	21.53	0.00	3489.30
MW - 23	07/09/15	3510.83	-	21.54	0.00	3489.29
MW - 23	08/03/15	3510.83	-	21.84	0.00	3488.99
MW - 23	09/24/15	3510.83	-	22.03	0.00	3488.80
MW - 23	11/18/15	3510.83	-	21.68	0.00	3489.15
MW - 23	01/08/16	3510.83	-	21.58	0.00	3489.25
MW - 23	02/23/16	3510.83	-	21.51	0.00	3489.32
MW - 23	04/08/16	3510.83	-	21.44	0.00	3489.39
MW - 23	06/06/16	3510.83	-	21.49	0.00	3489.34
MW - 23	06/28/16	3510.83	-	21.71	0.00	3489.12
MW - 23	07/27/16	3510.83	-	22.01	0.00	3488.82
MW - 23	08/03/16	3510.83	-	22.05	0.00	3488.78
MW - 23	09/27/16	3510.83	-	20.98	0.00	3489.85
MW - 23	10/21/16	3510.83	-	20.96	0.00	3489.87
MW - 23	11/09/16	3510.83	-	21.00	0.00	3489.83
MW - 23	01/26/17	3510.83	-	21.03	0.00	3489.80
MW - 23	02/28/17	3510.83	-	21.02	0.00	3489.81
MW - 23	03/15/17	3510.83	-	21.00	0.00	3489.83
MW - 23	05/23/17	3510.83	-	21.03	0.00	3489.80

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 23	07/20/17	3510.83	-	21.54	0.00	3489.29
MW - 23	08/16/17	3510.83	-	21.40	0.00	3489.43
MW - 23	09/13/17	3510.83	-	21.23	0.00	3489.60
MW - 23	10/12/17	3510.83	-	21.17	0.00	3489.66
MW - 23	11/14/17	3510.83	-	21.09	0.00	3489.74
MW - 23	12/20/17	3510.83	-	21.06	0.00	3489.77
MW - 23	01/09/18	3510.83	-	21.05	0.00	3489.78
MW - 23	02/08/18	3510.83	-	21.03	0.00	3489.80
MW - 23	03/29/18	3510.83	-	20.97	0.00	3489.86
MW - 23	04/16/18	3510.83	-	20.98	0.00	3489.85
MW - 23	05/21/18	3510.83	-	21.22	0.00	3489.61
MW - 23	06/18/18	3510.83	-	21.49	0.00	3489.34
MW - 23	07/11/18	3510.83	-	21.64	0.00	3489.19
MW - 23	08/08/18	3510.83	-	22.02	0.00	3488.81
MW - 23	09/12/18	3510.83	-	21.85	0.00	3488.98
MW - 23	11/12/18	3510.83	-	21.52	0.00	3489.31
MW - 23	02/12/19	3510.83	-	21.36	0.00	3489.47
MW - 23	03/12/19	3510.83	-	21.30	0.00	3489.53
MW - 23	04/01/19	3510.83	-	21.26	0.00	3489.57
MW - 23	05/07/19	3510.83	-	21.20	0.00	3489.63
MW - 23	06/14/19	3510.83	-	21.43	0.00	3489.40
MW - 23	07/11/19	3510.83	-	21.71	0.00	3489.12
MW - 23	08/07/19	3510.83	-	21.88	0.00	3488.95
MW - 23	09/12/19	3510.83	-	22.00	0.00	3488.83
MW - 23	10/15/19	3510.83	-	21.76	0.00	3489.07
MW - 23	11/06/19	3510.83	-	21.72	0.00	3489.11
MW - 23	12/17/19	3510.83	-	21.53	0.00	3489.30
MW - 23	01/06/20	3510.83	-	21.51	0.00	3489.32
MW - 23	03/04/20	3510.83	-	21.43	0.00	3489.40
MW - 23	05/14/20	3510.83	-	21.25	0.00	3489.58
MW - 23	06/17/20	3510.83	-	21.68	0.00	3489.15
MW - 23	07/21/20	3510.83	-	21.95	0.00	3488.88
MW - 23	08/12/20	3510.83	-	22.03	0.00	3488.80
MW - 23	09/14/20	3510.83	-	22.13	0.00	3488.70
MW - 23	12/09/20	3510.83	-	22.26	0.00	3488.57
MW - 23	01/13/21	3510.83	-	22.26	0.00	3488.57
MW - 23	02/10/21	3510.83	-	22.21	0.00	3488.62
MW - 23	04/21/21	3510.83	-	22.12	0.00	3488.71
MW - 23	06/10/21	3510.83	-	22.17	0.00	3488.66
MW - 23	09/22/21	3510.83	-	22.37	0.00	3488.46
MW - 23	10/14/21	3510.83	-	22.41	0.00	3488.42
MW - 23	12/06/21	3510.83	-	22.45	0.00	3488.38
MW - 23	03/14/22	3510.83	-	22.42	0.00	3488.41
MW - 23	04/20/22	3510.83	-	22.41	0.00	3488.42
MW - 23	05/11/22	3510.83	-	22.47	0.00	3488.36
MW - 23	08/16/22	3510.83	-	22.90	0.00	3487.93
MW - 23	11/10/22	3510.83	-	22.69	0.00	3488.14
MW - 24	06/20/02	3509.68	-	23.18	0.00	3486.50
MW - 24	09/26/02	3509.68	-	23.64	0.00	3486.04
MW - 24	11/12/02	3509.68	-	23.50	0.00	3486.18
MW - 24	02/12/03	3509.68	-	23.15	0.00	3486.53
MW - 24	05/14/03	3509.68	-	23.16	0.00	3486.52
MW - 24	08/21/03	3509.68	-	24.07	0.00	3485.61

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 24	12/10/03	3509.68	-	24.01	0.00	3485.67
MW - 24	02/11/04	3509.68	-	24.10	0.00	3485.58
MW - 24	05/11/04	3509.68	-	22.90	0.00	3486.78
MW - 24	08/25/04	3509.68	-	23.15	0.00	3486.53
MW - 24	12/03/04	3509.68	-	22.62	0.00	3487.06
MW - 24	03/08/05	3509.68	-	21.94	0.00	3487.74
MW - 24	06/08/05	3509.68	-	21.45	0.00	3488.23
MW - 24	09/15/05	3509.68	-	21.59	0.00	3488.09
MW - 24	12/12/05	3509.68	-	21.42	0.00	3488.26
MW - 24	03/16/06	3509.68	-	21.37	0.00	3488.31
MW - 24	06/15/06	3509.68	-	21.77	0.00	3487.91
MW - 24	09/18/06	3509.68	-	21.62	0.00	3488.06
MW - 24	11/30/06	3509.68	-	21.52	0.00	3488.16
MW - 24	02/27/07	3509.68	-	21.32	0.00	3488.36
MW - 24	05/22/07	3509.68	-	21.00	0.00	3488.68
MW - 24	08/15/07	3509.68	-	21.86	0.00	3487.82
MW - 24	11/06/07	3509.68	-	21.64	0.00	3488.04
MW - 24	02/12/08	3509.68	-	21.53	0.00	3488.15
MW - 24	05/13/08	3509.68	-	21.46	0.00	3488.22
MW - 24	08/14/08	3509.68	-	22.20	0.00	3487.48
MW - 24	11/12/08	3509.68	-	21.81	0.00	3487.87
MW - 24	02/10/09	3509.68	-	21.64	0.00	3488.04
MW - 24	05/12/09	3509.68	-	21.63	0.00	3488.05
MW - 24	08/10/09	3509.68	-	22.20	0.00	3487.48
MW - 24	11/18/09	3509.68	-	22.42	0.00	3487.26
MW - 24	01/04/10	3509.68	-	22.42	0.00	3487.26
MW - 24	02/09/10	3509.68	-	22.28	0.00	3487.40
MW - 24	05/12/10	3509.68	-	21.89	0.00	3487.79
MW - 24	08/11/10	3509.68	-	21.91	0.00	3487.77
MW - 24	11/11/10	3509.68	-	22.46	0.00	3487.22
MW - 24	02/16/11	3509.68	-	22.45	0.00	3487.23
MW - 24	05/19/11	3509.68	-	22.48	0.00	3487.20
MW - 24	08/10/11	3509.68	-	22.55	0.00	3487.13
MW - 24	11/14/11	3509.68	-	22.58	0.00	3487.10
MW - 24	02/29/12	3509.68	-	22.32	0.00	3487.36
MW - 24	05/02/12	3509.68	-	22.27	0.00	3487.41
MW - 24	12/06/12	3509.68	-	22.62	0.00	3487.06
MW - 24	02/13/13	3509.68	-	22.52	0.00	3487.16
MW - 24	05/22/13	3509.68	-	22.41	0.00	3487.27
MW - 24	08/12/13	3509.68	-	22.75	0.00	3486.93
MW - 24	11/20/13	3509.68	-	22.81	0.00	3486.87
MW - 24	02/04/14	3510.76	-	22.64	0.00	3488.12
MW - 24	05/14/14	3510.76	-	22.49	0.00	3488.27
MW - 24	07/22/14	3510.76	-	23.06	0.00	3487.70
MW - 24	08/05/14	3510.76	-	23.13	0.00	3487.63
MW - 24	10/27/14	3510.76	-	21.98	0.00	3488.78
MW - 24	11/19/14	3510.76	-	21.94	0.00	3488.82
MW - 24	02/09/15	3510.76	-	21.95	0.00	3488.81
MW - 24	03/20/15	3510.76	-	21.95	0.00	3488.81
MW - 24	04/04/15	3510.76	-	21.95	0.00	3488.81
MW - 24	05/27/15	3510.76	-	21.79	0.00	3488.97
MW - 24	07/09/15	3510.76	-	21.83	0.00	3488.93
MW - 24	08/03/15	3510.76	-	22.14	0.00	3488.62
MW - 24	09/24/15	3510.76	-	22.32	0.00	3488.44

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 24	11/18/15	3510.76	-	21.95	0.00	3488.81
MW - 24	01/08/16	3510.76	-	21.86	0.00	3488.90
MW - 24	02/23/16	3510.76	-	21.78	0.00	3488.98
MW - 24	04/08/16	3510.76	-	21.72	0.00	3489.04
MW - 24	06/06/16	3510.76	-	21.78	0.00	3488.98
MW - 24	06/28/16	3510.76	-	21.99	0.00	3488.77
MW - 24	07/27/16	3510.76	-	22.30	0.00	3488.46
MW - 24	08/03/16	3510.76	-	22.35	0.00	3488.41
MW - 24	09/27/16	3510.76	-	21.19	0.00	3489.57
MW - 24	10/21/16	3510.76	-	21.24	0.00	3489.52
MW - 24	11/08/16	3510.76	-	21.28	0.00	3489.48
MW - 24	01/26/17	3510.76	-	21.30	0.00	3489.46
MW - 24	02/28/17	3510.76	-	21.30	0.00	3489.46
MW - 24	03/15/17	3510.76	-	21.28	0.00	3489.48
MW - 24	05/23/17	3510.76	-	21.31	0.00	3489.45
MW - 24	07/20/17	3510.76	-	21.81	0.00	3488.95
MW - 24	08/16/17	3510.76	-	21.63	0.00	3489.13
MW - 24	09/13/17	3510.76	-	21.49	0.00	3489.27
MW - 24	10/12/17	3510.76	-	21.40	0.00	3489.36
MW - 24	11/14/17	3510.76	-	21.38	0.00	3489.38
MW - 24	12/20/17	3510.76	-	21.34	0.00	3489.42
MW - 24	01/09/18	3510.76	-	21.33	0.00	3489.43
MW - 24	02/07/18	3510.76	-	21.32	0.00	3489.44
MW - 24	03/29/18	3510.76	-	21.27	0.00	3489.49
MW - 24	04/16/18	3510.76	-	21.25	0.00	3489.51
MW - 24	05/21/18	3510.76	-	21.51	0.00	3489.25
MW - 24	06/18/18	3510.76	-	21.75	0.00	3489.01
MW - 24	07/11/18	3510.76	-	21.93	0.00	3488.83
MW - 24	08/08/18	3510.76	-	22.12	0.00	3488.64
MW - 24	09/12/18	3510.76	-	22.08	0.00	3488.68
MW - 24	11/12/18	3510.76	-	21.78	0.00	3488.98
MW - 24	01/09/19	3510.76	-	21.67	0.00	3489.09
MW - 24	02/12/19	3510.76	-	21.63	0.00	3489.13
MW - 24	03/12/19	3510.76	-	21.58	0.00	3489.18
MW - 24	04/01/19	3510.76	-	21.52	0.00	3489.24
MW - 24	05/07/19	3510.76	-	21.48	0.00	3489.28
MW - 24	06/14/19	3510.76	-	21.72	0.00	3489.04
MW - 24	07/11/19	3510.76	-	22.00	0.00	3488.76
MW - 24	08/07/19	3510.76	-	22.17	0.00	3488.59
MW - 24	09/12/19	3510.76	-	22.27	0.00	3488.49
MW - 24	10/15/19	3510.76	-	22.03	0.00	3488.73
MW - 24	11/06/19	3510.76	-	21.99	0.00	3488.77
MW - 24	12/17/19	3510.76	-	21.80	0.00	3488.96
MW - 24	01/06/20	3510.76	-	21.77	0.00	3488.99
MW - 24	03/04/20	3510.76	-	21.71	0.00	3489.05
MW - 24	05/14/20	3510.76	-	21.53	0.00	3489.23
MW - 25	06/20/02	3509.68	-	22.51	0.00	3487.17
MW - 25	09/26/02	3509.65	-	22.91	0.00	3486.74
MW - 25	11/12/02	3509.65	-	22.87	0.00	3486.78
MW - 25	02/12/03	3509.65	-	22.47	0.00	3487.18
MW - 25	05/14/03	3509.65	-	22.49	0.00	3487.16
MW - 25	08/21/03	3509.65	-	23.34	0.00	3486.31
MW - 25	12/10/03	3509.65	-	23.30	0.00	3486.35

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 25	02/11/04	3509.65	-	23.40	0.00	3486.25
MW - 25	05/11/04	3509.65	-	22.17	0.00	3487.48
MW - 25	08/25/04	3509.65	-	22.54	0.00	3487.11
MW - 25	12/03/04	3509.65	-	21.94	0.00	3487.71
MW - 25	03/08/05	3509.65	-	21.28	0.00	3488.37
MW - 25	06/08/05	3509.65	-	20.77	0.00	3488.88
MW - 25	09/15/05	3509.65	-	20.91	0.00	3488.74
MW - 25	12/12/05	3509.65	-	20.73	0.00	3488.92
MW - 25	03/16/06	3509.65	-	20.70	0.00	3488.95
MW - 25	06/15/06	3509.65	-	21.12	0.00	3488.53
MW - 25	09/18/06	3509.65	-	20.93	0.00	3488.72
MW - 25	11/30/06	3509.65	-	20.86	0.00	3488.79
MW - 25	02/27/07	3509.65	-	20.66	0.00	3488.99
MW - 25	05/22/07	3509.65	-	20.61	0.00	3489.04
MW - 25	08/15/07	3509.65	-	21.19	0.00	3488.46
MW - 25	11/06/07	3509.65	-	21.01	0.00	3488.64
MW - 25	02/12/08	3509.65	-	20.88	0.00	3488.77
MW - 25	05/13/08	3509.65	-	20.84	0.00	3488.81
MW - 25	08/14/08	3509.65	-	21.58	0.00	3488.07
MW - 25	11/12/08	3509.65	-	21.18	0.00	3488.47
MW - 25	02/10/09	3509.65	-	21.03	0.00	3488.62
MW - 25	05/12/09	3509.65	-	19.97	0.00	3489.68
MW - 25	08/10/09	3509.65	-	21.59	0.00	3488.06
MW - 25	11/18/09	3509.65	-	21.81	0.00	3487.84
MW - 25	01/04/10	3509.65	-	21.77	0.00	3487.88
MW - 25	02/09/10	3509.65	-	21.64	0.00	3488.01
MW - 25	05/12/10	3509.65	-	21.26	0.00	3488.39
MW - 25	08/11/10	3509.65	-	21.27	0.00	3488.38
MW - 25	11/11/10	3509.65	-	21.83	0.00	3487.82
MW - 25	02/16/11	3509.65	-	21.84	0.00	3487.81
MW - 25	05/19/11	3509.65	-	21.86	0.00	3487.79
MW - 25	08/10/11	3509.65	-	21.90	0.00	3487.75
MW - 25	11/14/11	3509.65	-	21.96	0.00	3487.69
MW - 25	02/29/12	3509.65	-	21.70	0.00	3487.95
MW - 25	05/02/12	3509.65	-	21.63	0.00	3488.02
MW - 25	12/06/12	3509.65	-	21.98	0.00	3487.67
MW - 25	02/13/13	3509.65	-	21.88	0.00	3487.77
MW - 25	05/22/13	3509.65	-	21.77	0.00	3487.88
MW - 25	08/12/13	3509.65	-	22.09	0.00	3487.56
MW - 25	11/20/13	3509.65	-	22.13	0.00	3487.52
MW - 25	02/04/14	3510.71	-	21.98	0.00	3488.73
MW - 25	05/14/14	3510.71	-	21.33	0.00	3489.38
MW - 25	07/22/14	3510.71	-	22.38	0.00	3488.33
MW - 25	08/05/14	3510.71	-	22.42	0.00	3488.29
MW - 25	10/27/14	3510.71	-	21.33	0.00	3489.38
MW - 25	11/19/14	3510.71	-	21.31	0.00	3489.40
MW - 25	02/09/15	3510.71	-	21.31	0.00	3489.40
MW - 25	03/20/15	3510.71	-	21.31	0.00	3489.40
MW - 25	04/04/15	3510.71	-	21.29	0.00	3489.42
MW - 25	05/27/15	3510.71	-	21.18	0.00	3489.53
MW - 25	07/09/15	3510.71	-	21.18	0.00	3489.53
MW - 25	08/03/15	3510.71	-	21.45	0.00	3489.26
MW - 25	09/24/15	3510.71	-	21.66	0.00	3489.05
MW - 25	11/18/15	3510.71	-	21.31	0.00	3489.40

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 25	01/08/16	3510.71	-	21.21	0.00	3489.50
MW - 25	02/23/16	3510.71	-	21.15	0.00	3489.56
MW - 25	04/08/16	3510.71	-	21.08	0.00	3489.63
MW - 25	06/06/16	3510.71	-	21.11	0.00	3489.60
MW - 25	06/28/16	3510.71	-	21.32	0.00	3489.39
MW - 25	07/27/16	3510.71	-	21.62	0.00	3489.09
MW - 25	08/03/16	3510.71	-	21.68	0.00	3489.03
MW - 25	09/27/16	3510.71	-	20.69	0.00	3490.02
MW - 25	10/21/16	3510.71	-	20.60	0.00	3490.11
MW - 25	11/09/16	3510.71	-	20.63	0.00	3490.08
MW - 25	01/26/17	3510.71	-	20.67	0.00	3490.04
MW - 25	02/28/17	3510.71	-	20.66	0.00	3490.05
MW - 25	03/15/17	3510.71	-	20.64	0.00	3490.07
MW - 25	05/23/17	3510.71	-	20.67	0.00	3490.04
MW - 25	07/20/17	3510.71	-	21.17	0.00	3489.54
MW - 25	08/16/17	3510.71	-	21.06	0.00	3489.65
MW - 25	09/13/17	3510.71	-	20.86	0.00	3489.85
MW - 25	10/12/17	3510.71	-	20.82	0.00	3489.89
MW - 25	11/14/17	3510.71	-	20.74	0.00	3489.97
MW - 25	12/20/17	3510.71	-	20.70	0.00	3490.01
MW - 25	01/09/18	3510.71	-	20.68	0.00	3490.03
MW - 25	02/07/18	3510.71	-	19.67	0.00	3491.04
MW - 25	03/29/18	3510.71	-	20.63	0.00	3490.08
MW - 25	04/16/18	3510.71	-	20.60	0.00	3490.11
MW - 25	05/21/18	3510.71	-	20.84	0.00	3489.87
MW - 25	06/18/18	3510.71	-	21.11	0.00	3489.60
MW - 25	07/11/18	3510.71	-	21.28	0.00	3489.43
MW - 25	08/08/18	3510.71	-	21.44	0.00	3489.27
MW - 25	09/12/18	3510.71	-	21.49	0.00	3489.22
MW - 25	11/12/18	3510.71	-	21.17	0.00	3489.54
MW - 25	11/25/18	3510.71	-	21.17	0.00	3489.54
MW - 25	01/09/19	3510.71	-	21.03	0.00	3489.68
MW - 25	02/12/19	3510.71	-	20.99	0.00	3489.72
MW - 25	03/12/19	3510.71	-	20.94	0.00	3489.77
MW - 25	04/01/19	3510.71	-	20.90	0.00	3489.81
MW - 25	05/07/19	3510.71	-	20.83	0.00	3489.88
MW - 25	06/14/19	3510.71	-	21.05	0.00	3489.66
MW - 25	07/11/19	3510.71	-	21.35	0.00	3489.36
MW - 25	08/07/19	3510.71	-	21.51	0.00	3489.20
MW - 25	09/12/19	3510.71	-	21.63	0.00	3489.08
MW - 25	10/15/19	3510.71	-	21.42	0.00	3489.29
MW - 25	11/06/19	3510.71	-	21.36	0.00	3489.35
MW - 25	12/17/19	3510.71	-	21.17	0.00	3489.54
MW - 25	01/06/20	3510.71	-	21.15	0.00	3489.56
MW - 25	03/04/20	3510.71	-	21.06	0.00	3489.65
MW - 25	05/14/20	3510.71	-	20.89	0.00	3489.82
MW - 25	06/17/20	3510.71	-	21.30	0.00	3489.41
MW - 25	07/21/20	3510.71	-	21.56	0.00	3489.15
MW - 25	08/12/20	3510.71	-	21.66	0.00	3489.05
MW - 25	09/14/20	3510.71	-	21.77	0.00	3488.94
MW - 25	12/09/20	3510.71	-	21.89	0.00	3488.82
MW - 25	01/13/21	3510.71	-	21.90	0.00	3488.81
MW - 25	02/10/21	3510.71	-	21.84	0.00	3488.87
MW - 25	04/21/21	3510.71	-	21.75	0.00	3488.96



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 25	06/10/21	3510.71	-	21.80	0.00	3488.91
MW - 25	09/22/21	3510.71	-	22.00	0.00	3488.71
MW - 25	10/14/21	3510.71	-	22.03	0.00	3488.68
MW - 25	12/06/21	3510.71	-	22.07	0.00	3488.64
MW - 25	03/15/22	3510.71	-	22.05	0.00	3488.66
MW - 25	04/20/22	3510.71	-	22.03	0.00	3488.68
MW - 25	05/10/22	3510.71	-	22.08	0.00	3488.63
MW - 25	08/16/22	3510.71	-	22.46	0.00	3488.25
MW - 25	11/09/22	3510.71	-	22.38	0.00	3488.33
MW - 26	06/20/02	3507.49	-	20.12	0.00	3487.37
MW - 26	09/26/02	3507.49	-	20.52	0.00	3486.97
MW - 26	11/12/02	3507.49	-	20.44	0.00	3487.05
MW - 26	02/12/03	3507.49	-	20.13	0.00	3487.36
MW - 26	05/14/03	3507.49	-	20.18	0.00	3487.31
MW - 26	08/21/03	3507.49	-	20.91	0.00	3486.58
MW - 26	12/10/03	3507.49	-	20.86	0.00	3486.63
MW - 26	02/11/04	3507.49	-	21.04	0.00	3486.45
MW - 26	05/11/04	3507.49	-	19.80	0.00	3487.69
MW - 26	08/25/04	3507.49	-	20.18	0.00	3487.31
MW - 26	12/03/04	3507.49	-	19.51	0.00	3487.98
MW - 26	03/08/05	3507.49	-	18.96	0.00	3488.53
MW - 26	06/08/05	3507.49	-	18.51	0.00	3488.98
MW - 26	09/15/05	3507.49	-	18.63	0.00	3488.86
MW - 26	12/12/05	3507.49	-	18.47	0.00	3489.02
MW - 26	03/16/06	3507.49	-	18.44	0.00	3489.05
MW - 26	06/15/06	3507.49	-	18.80	0.00	3488.69
MW - 26	09/18/06	3507.49	-	18.60	0.00	3488.89
MW - 26	09/29/06	3507.49	-	18.61	0.00	3488.88
MW - 26	11/30/06	3507.49	-	18.56	0.00	3488.93
MW - 26	02/12/07	3507.49	-	18.42	0.00	3489.07
MW - 26	02/19/07	3507.49	-	18.42	0.00	3489.07
MW - 26	02/27/07	3507.49	-	18.42	0.00	3489.07
MW - 26	03/05/07	3507.49	-	18.44	0.00	3489.05
MW - 26	03/19/07	3507.49	-	18.40	0.00	3489.09
MW - 26	05/22/07	3507.49	-	18.17	0.00	3489.32
MW - 26	08/15/07	3507.49	-	18.88	0.00	3488.61
MW - 26	11/06/07	3507.49	-	18.69	0.00	3488.80
MW - 26	02/12/08	3507.49	-	18.55	0.00	3488.94
MW - 26	05/13/08	3507.49	-	18.55	0.00	3488.94
MW - 26	08/14/08	3507.49	-	19.24	0.00	3488.25
MW - 26	11/12/08	3507.49	-	18.80	0.00	3488.69
MW - 26	02/10/09	3507.49	-	18.66	0.00	3488.83
MW - 26	05/12/09	3507.49	-	18.61	0.00	3488.88
MW - 26	08/10/09	3507.49	-	19.18	0.00	3488.31
MW - 26	11/18/09	3507.49	-	19.47	0.00	3488.02
MW - 26	01/04/10	3507.49	-	19.46	0.00	3488.03
MW - 26	02/09/10	3507.49	-	19.29	0.00	3488.20
MW - 26	05/12/10	3507.49	-	18.89	0.00	3488.60
MW - 26	08/11/10	3507.49	-	18.88	0.00	3488.61
MW - 26	11/11/10	3507.49	-	19.47	0.00	3488.02
MW - 26	02/16/11	3507.49	-	19.47	0.00	3488.02
MW - 26	05/19/11	3507.49	-	19.50	0.00	3487.99
MW - 26	08/10/11	3507.49	-	19.51	0.00	3487.98

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 26	11/14/11	3507.49	-	19.60	0.00	3487.89
MW - 26	02/29/12	3507.49	-	19.34	0.00	3488.15
MW - 26	05/02/12	3507.49	-	19.25	0.00	3488.24
MW - 26	12/06/12	3507.49	-	19.61	0.00	3487.88
MW - 26	02/13/13	3507.49	-	19.50	0.00	3487.99
MW - 26	05/22/13	3507.49	-	19.35	0.00	3488.14
MW - 26	08/12/13	3507.49	-	19.68	0.00	3487.81
MW - 26	11/20/13	3507.49	-	19.77	0.00	3487.72
MW - 26	02/04/14	3508.57	-	19.60	0.00	3488.97
MW - 26	05/14/14	3508.57	-	19.44	0.00	3489.13
MW - 26	07/22/14	3508.57	-	19.98	0.00	3488.59
MW - 26	08/05/14	3508.57	-	20.04	0.00	3488.53
MW - 26	10/27/14	3508.57	-	18.85	0.00	3489.72
MW - 26	11/19/14	3508.57	-	18.93	0.00	3489.64
MW - 26	02/09/15	3508.57	-	18.93	0.00	3489.64
MW - 26	03/20/15	3508.57	-	18.92	0.00	3489.65
MW - 26	04/04/15	3508.57	-	18.90	0.00	3489.67
MW - 26	05/27/15	3508.57	-	18.75	0.00	3489.82
MW - 26	07/09/15	3508.57	-	18.72	0.00	3489.85
MW - 26	08/03/15	3508.57	-	19.00	0.00	3489.57
MW - 26	09/24/15	3508.57	-	19.23	0.00	3489.34
MW - 26	11/18/15	3508.57	-	18.90	0.00	3489.67
MW - 26	01/08/16	3508.57	-	18.81	0.00	3489.76
MW - 26	02/23/16	3508.57	-	18.76	0.00	3489.81
MW - 26	04/08/16	3508.57	-	18.68	0.00	3489.89
MW - 26	06/06/16	3508.57	-	18.69	0.00	3489.88
MW - 26	06/28/16	3508.57	-	18.86	0.00	3489.71
MW - 26	07/27/16	3508.57	-	19.18	0.00	3489.39
MW - 26	08/03/16	3508.57	-	19.23	0.00	3489.34
MW - 26	09/27/16	3508.57	-	18.10	0.00	3490.47
MW - 26	10/21/16	3508.57	-	18.12	0.00	3490.45
MW - 26	11/09/16	3508.57	-	18.18	0.00	3490.39
MW - 26	01/26/17	3508.57	-	18.28	0.00	3490.29
MW - 26	03/01/17	3508.57	-	18.24	0.00	3490.33
MW - 26	03/15/17	3508.57	-	18.25	0.00	3490.32
MW - 26	05/23/17	3508.57	-	18.26	0.00	3490.31
MW - 26	07/20/17	3508.57	-	18.73	0.00	3489.84
MW - 26	08/16/17	3508.57	-	18.62	0.00	3489.95
MW - 26	09/13/17	3508.57	-	18.42	0.00	3490.15
MW - 26	10/12/17	3508.57	-	18.36	0.00	3490.21
MW - 26	11/14/17	3508.57	-	18.37	0.00	3490.20
MW - 26	12/20/17	3508.57	-	18.32	0.00	3490.25
MW - 26	01/09/18	3508.57	-	18.30	0.00	3490.27
MW - 26	02/08/18	3508.57	-	18.31	0.00	3490.26
MW - 26	03/29/18	3508.57	-	18.24	0.00	3490.33
MW - 26	04/16/18	3508.57	-	18.23	0.00	3490.34
MW - 26	05/21/18	3508.57	-	18.40	0.00	3490.17
MW - 26	06/18/18	3508.57	-	18.67	0.00	3489.90
MW - 26	07/11/18	3508.57	-	18.83	0.00	3489.74
MW - 26	08/08/18	3508.57	-	19.01	0.00	3489.56
MW - 26	11/12/18	3508.57	-	18.76	0.00	3489.81
MW - 26	01/09/19	3508.57	-	18.65	0.00	3489.92
MW - 26	02/12/19	3508.57	-	18.62	0.00	3489.95
MW - 26	03/12/19	3508.57	-	18.55	0.00	3490.02

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 26	04/01/19	3508.57	-	18.50	0.00	3490.07
MW - 26	05/08/19	3508.57	-	18.42	0.00	3490.15
MW - 26	06/14/19	3508.57	-	18.63	0.00	3489.94
MW - 26	07/11/19	3508.57	-	18.92	0.00	3489.65
MW - 26	08/07/19	3508.57	-	19.07	0.00	3489.50
MW - 26	09/12/19	3508.57	-	19.23	0.00	3489.34
MW - 26	10/15/19	3508.57	-	18.99	0.00	3489.58
MW - 26	11/06/19	3508.57	-	18.97	0.00	3489.60
MW - 26	12/17/19	3508.57	-	18.79	0.00	3489.78
MW - 26	01/06/20	3508.57	-	18.76	0.00	3489.81
MW - 26	03/04/20	3508.57	-	18.69	0.00	3489.88
MW - 26	05/14/20	3508.57	-	18.46	0.00	3490.11
MW - 26	06/17/20	3508.57	-	18.84	0.00	3489.73
MW - 26	07/21/20	3508.57	-	19.14	0.00	3489.43
MW - 26	08/12/20	3508.57	-	19.27	0.00	3489.30
MW - 26	09/14/20	3508.57	-	19.38	0.00	3489.19
MW - 26	12/08/20	3508.57	-	19.55	0.00	3489.02
MW - 26	01/13/21	3508.57	-	19.53	0.00	3489.04
MW - 26	02/10/21	3508.57	-	19.48	0.00	3489.09
MW - 26	04/21/21	3508.57	-	19.38	0.00	3489.19
MW - 26	06/10/21	3508.57	-	19.37	0.00	3489.20
MW - 26	09/22/21	3508.57	-	19.61	0.00	3488.96
MW - 26	10/14/21	3508.57	-	19.64	0.00	3488.93
MW - 26	12/06/21	3508.57	-	19.71	0.00	3488.86
MW - 26	03/14/22	3508.57	-	19.66	0.00	3488.91
MW - 26	04/20/22	3508.57	-	19.64	0.00	3488.93
MW - 26	05/09/22	3508.57	-	19.70	0.00	3488.87
MW - 26	08/16/22	3508.57	-	20.10	0.00	3488.47
MW - 26	11/09/22	3508.57	-	19.96	0.00	3488.61
MW - 27	06/20/02	3507.66	-	20.59	0.00	3487.07
MW - 27	09/26/02	3507.66	-	21.80	0.00	3485.86
MW - 27	11/12/02	3507.66	-	20.94	0.00	3486.72
MW - 27	02/12/03	3507.66	-	20.58	0.00	3487.08
MW - 27	05/14/03	3507.66	-	21.62	0.00	3486.04
MW - 27	08/21/03	3507.66	-	21.44	0.00	3486.22
MW - 27	12/10/03	3507.66	-	21.58	0.00	3486.08
MW - 27	02/11/04	3507.66	-	21.53	0.00	3486.13
MW - 27	05/11/04	3507.66	-	20.34	0.00	3487.32
MW - 27	08/25/04	3507.66	-	20.59	0.00	3487.07
MW - 27	12/03/04	3507.66	-	20.05	0.00	3487.61
MW - 27	03/08/05	3507.66	-	19.43	0.00	3488.23
MW - 27	06/08/05	3507.66	-	18.95	0.00	3488.71
MW - 27	09/15/05	3507.66	-	19.08	0.00	3488.58
MW - 27	12/12/05	3507.66	-	18.92	0.00	3488.74
MW - 27	03/16/06	3507.66	-	18.88	0.00	3488.78
MW - 27	06/15/06	3507.66	-	19.24	0.00	3488.42
MW - 27	09/18/06	3507.66	-	19.04	0.00	3488.62
MW - 27	11/30/06	3507.66	-	19.05	0.00	3488.61
MW - 27	02/27/07	3507.66	-	18.85	0.00	3488.81
MW - 27	05/22/07	3507.66	-	18.74	0.00	3488.92
MW - 27	08/15/07	3507.66	-	19.24	0.00	3488.42
MW - 27	11/06/07	3507.66	-	19.11	0.00	3488.55
MW - 27	02/12/08	3507.66	-	18.97	0.00	3488.69

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 27	05/13/08	3507.66	-	20.05	0.00	3487.61
MW - 27	08/14/08	3507.66	-	19.64	0.00	3488.02
MW - 27	11/12/08	3507.66	-	19.24	0.00	3488.42
MW - 27	02/10/09	3507.66	-	19.12	0.00	3488.54
MW - 27	05/12/09	3507.66	-	19.04	0.00	3488.62
MW - 27	08/10/09	3507.66	-	19.63	0.00	3488.03
MW - 27	11/18/09	3507.66	-	19.90	0.00	3487.76
MW - 27	01/04/10	3507.66	-	19.87	0.00	3487.79
MW - 27	02/09/10	3507.66	-	19.73	0.00	3487.93
MW - 27	05/12/10	3507.66	-	19.33	0.00	3488.33
MW - 27	08/11/10	3507.66	-	19.33	0.00	3488.33
MW - 27	11/11/10	3507.66	-	19.89	0.00	3487.77
MW - 27	02/16/11	3507.66	-	19.91	0.00	3487.75
MW - 27	05/19/11	3507.66	-	19.94	0.00	3487.72
MW - 27	08/10/11	3507.66	-	19.96	0.00	3487.70
MW - 27	11/14/11	3507.66	-	20.04	0.00	3487.62
MW - 27	02/29/12	3507.66	-	19.78	0.00	3487.88
MW - 27	05/02/12	3507.66	-	19.70	0.00	3487.96
MW - 27	12/06/12	3507.66	-	20.07	0.00	3487.59
MW - 27	02/13/13	3507.66	-	19.95	0.00	3487.71
MW - 27	05/22/13	3507.66	-	19.81	0.00	3487.85
MW - 27	08/12/13	3507.66	-	20.23	0.00	3487.43
MW - 27	11/20/13	3507.66	-	20.24	0.00	3487.42
MW - 27	02/04/14	3508.73	-	20.06	0.00	3488.67
MW - 27	05/14/14	3508.73	-	19.00	0.00	3489.73
MW - 27	07/22/14	3508.73	-	20.46	0.00	3488.27
MW - 27	08/05/14	3508.73	-	20.52	0.00	3488.21
MW - 27	10/27/14	3508.73	-	19.31	0.00	3489.42
MW - 27	11/19/14	3508.73	-	19.28	0.00	3489.45
MW - 27	02/09/15	3508.73	-	19.38	0.00	3489.35
MW - 27	03/20/15	3508.73	-	19.38	0.00	3489.35
MW - 27	04/04/15	3508.73	-	19.35	0.00	3489.38
MW - 27	05/27/15	3508.73	-	19.17	0.00	3489.56
MW - 27	07/09/15	3508.73	-	19.16	0.00	3489.57
MW - 27	08/03/15	3508.73	-	19.46	0.00	3489.27
MW - 27	09/24/15	3508.73	-	19.69	0.00	3489.04
MW - 27	11/18/15	3508.73	-	19.34	0.00	3489.39
MW - 27	01/08/16	3508.73	-	19.26	0.00	3489.47
MW - 27	02/23/16	3508.73	-	19.19	0.00	3489.54
MW - 27	04/08/16	3508.73	-	19.12	0.00	3489.61
MW - 27	06/06/16	3508.73	-	19.15	0.00	3489.58
MW - 27	06/28/16	3508.73	-	19.31	0.00	3489.42
MW - 27	07/27/16	3508.73	-	19.63	0.00	3489.10
MW - 27	08/03/16	3508.73	-	19.70	0.00	3489.03
MW - 27	09/27/16	3508.73	-	18.46	0.00	3490.27
MW - 27	10/21/16	3508.73	-	18.55	0.00	3490.18
MW - 27	11/09/16	3508.73	-	18.63	0.00	3490.10
MW - 27	01/26/17	3508.73	-	18.72	0.00	3490.01
MW - 27	02/28/17	3508.73	-	18.70	0.00	3490.03
MW - 27	03/15/17	3508.73	-	18.68	0.00	3490.05
MW - 27	05/23/17	3508.73	-	18.69	0.00	3490.04
MW - 27	07/20/17	3508.73	-	19.16	0.00	3489.57
MW - 27	08/16/17	3508.73	-	19.01	0.00	3489.72
MW - 27	09/13/17	3508.73	-	18.86	0.00	3489.87

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 27	10/12/17	3508.73	-	18.78	0.00	3489.95
MW - 27	11/14/17	3508.73	-	18.77	0.00	3489.96
MW - 27	12/20/17	3508.73	-	18.75	0.00	3489.98
MW - 27	01/09/18	3508.73	-	18.74	0.00	3489.99
MW - 27	02/07/18	3508.73	-	18.73	0.00	3490.00
MW - 27	03/29/18	3508.73	-	19.66	0.00	3489.07
MW - 27	04/16/18	3508.73	-	18.64	0.00	3490.09
MW - 27	05/21/18	3508.73	-	18.86	0.00	3489.87
MW - 27	06/18/18	3508.73	-	19.11	0.00	3489.62
MW - 27	07/11/18	3508.73	-	19.26	0.00	3489.47
MW - 27	08/08/18	3508.73	-	19.44	0.00	3489.29
MW - 27	09/12/18	3508.73	-	19.50	0.00	3489.23
MW - 27	11/12/18	3508.73	-	19.12	0.00	3489.61
MW - 27	01/09/19	3508.73	-	19.08	0.00	3489.65
MW - 27	02/12/19	3508.73	-	19.03	0.00	3489.70
MW - 27	03/12/19	3508.73	-	18.97	0.00	3489.76
MW - 27	04/01/19	3508.73	-	18.93	0.00	3489.80
MW - 27	05/07/19	3508.73	-	18.86	0.00	3489.87
MW - 27	06/14/19	3508.73	-	19.08	0.00	3489.65
MW - 27	07/11/19	3508.73	-	19.37	0.00	3489.36
MW - 27	08/07/19	3508.73	-	19.52	0.00	3489.21
MW - 27	09/12/19	3508.73	-	19.67	0.00	3489.06
MW - 27	10/15/19	3508.73	-	19.41	0.00	3489.32
MW - 27	11/06/19	3508.73	-	19.40	0.00	3489.33
MW - 27	12/17/19	3508.73	-	19.22	0.00	3489.51
MW - 27	01/06/20	3508.73	-	19.20	0.00	3489.53
MW - 27	03/04/20	3508.73	-	19.12	0.00	3489.61
MW - 27	05/14/20	3508.73	-	18.91	0.00	3489.82
MW - 27	06/17/20	3508.73	-	19.30	0.00	3489.43
MW - 27	07/21/20	3508.73	-	19.66	0.00	3489.07
MW - 27	08/12/20	3508.73	-	19.72	0.00	3489.01
MW - 27	09/14/20	3508.73	-	19.84	0.00	3488.89
MW - 27	12/09/20	3508.73	-	19.99	0.00	3488.74
MW - 27	01/13/21	3508.73	-	19.99	0.00	3488.74
MW - 27	02/10/21	3508.73	-	19.92	0.00	3488.81
MW - 27	04/21/21	3508.73	-	19.83	0.00	3488.90
MW - 27	06/10/21	3508.73	-	19.84	0.00	3488.89
MW - 27	09/22/21	3508.73	-	20.05	0.00	3488.68
MW - 27	10/14/21	3508.73	-	20.09	0.00	3488.64
MW - 27	12/06/21	3508.73	-	20.16	0.00	3488.57
MW - 27	03/14/22	3508.73	-	20.12	0.00	3488.61
MW - 27	04/20/22	3508.73	-	20.10	0.00	3488.63
MW - 27	05/11/22	3508.73	-	20.16	0.00	3488.57
MW - 27	08/16/22	3508.73	-	20.58	0.00	3488.15
MW - 27	11/10/22	3508.73	-	20.38	0.00	3488.35
MW - 28	06/20/02	3508.37	-	20.98	0.00	3487.39
MW - 28	09/26/02	3508.37	-	21.42	0.00	3486.95
MW - 28	11/12/02	3508.37	-	21.35	0.00	3487.02
MW - 28	02/12/03	3508.37	-	20.86	0.00	3487.51
MW - 28	05/14/03	3508.37	-	21.19	0.00	3487.18
MW - 28	08/21/03	3508.37	-	21.86	0.00	3486.51
MW - 28	12/10/03	3508.37	-	21.83	0.00	3486.54
MW - 28	02/11/04	3508.37	-	21.92	0.00	3486.45

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 28	05/11/04	3508.37	-	19.75	0.00	3488.62
MW - 28	08/25/04	3508.37	-	21.07	0.00	3487.30
MW - 28	12/03/04	3508.37	-	20.41	0.00	3487.96
MW - 28	03/08/05	3508.37	-	19.89	0.00	3488.48
MW - 28	06/08/05	3508.37	-	19.41	0.00	3488.96
MW - 28	09/15/05	3508.37	-	19.54	0.00	3488.83
MW - 28	12/12/05	3508.37	-	19.40	0.00	3488.97
MW - 28	03/16/06	3508.37	-	19.35	0.00	3489.02
MW - 28	06/15/06	3508.37	-	19.69	0.00	3488.68
MW - 28	09/18/06	3508.37	-	19.51	0.00	3488.86
MW - 28	11/30/06	3508.37	-	19.46	0.00	3488.91
MW - 28	02/27/07	3508.37	-	19.33	0.00	3489.04
MW - 28	05/22/07	3508.37	-	19.18	0.00	3489.19
MW - 28	08/15/07	3508.37	-	19.76	0.00	3488.61
MW - 28	11/06/07	3508.37	-	19.59	0.00	3488.78
MW - 28	02/12/08	3508.37	-	19.44	0.00	3488.93
MW - 28	05/13/08	3508.37	-	19.40	0.00	3488.97
MW - 28	08/14/08	3508.37	-	20.12	0.00	3488.25
MW - 28	11/12/08	3508.37	-	19.70	0.00	3488.67
MW - 28	02/10/09	3508.37	-	19.56	0.00	3488.81
MW - 28	05/12/09	3508.37	-	19.49	0.00	3488.88
MW - 28	08/10/09	3508.37	-	20.04	0.00	3488.33
MW - 28	11/18/09	3508.37	-	20.36	0.00	3488.01
MW - 28	01/04/10	3508.37	-	20.31	0.00	3488.06
MW - 28	02/09/10	3508.37	-	20.17	0.00	3488.20
MW - 28	05/12/10	3508.37	-	19.79	0.00	3488.58
MW - 28	08/11/10	3508.37	-	19.78	0.00	3488.59
MW - 28	11/11/10	3508.37	-	20.34	0.00	3488.03
MW - 28	02/16/11	3508.37	-	20.36	0.00	3488.01
MW - 28	05/19/11	3508.37	-	20.36	0.00	3488.01
MW - 28	08/10/11	3508.37	-	20.36	0.00	3488.01
MW - 28	11/14/11	3508.37	-	20.46	0.00	3487.91
MW - 28	02/29/12	3508.37	-	20.20	0.00	3488.17
MW - 28	05/02/12	3508.37	-	20.11	0.00	3488.26
MW - 28	12/06/12	3508.37	-	20.48	0.00	3487.89
MW - 28	02/13/13	3508.37	-	20.37	0.00	3488.00
MW - 28	05/22/13	3508.37	-	20.21	0.00	3488.16
MW - 28	08/12/13	3508.37	-	20.54	0.00	3487.83
MW - 28	11/20/13	3508.37	-	20.65	0.00	3487.72
MW - 28	02/04/14	3509.44	-	20.46	0.00	3488.98
MW - 28	05/14/14	3509.44	-	20.29	0.00	3489.15
MW - 28	07/22/14	3509.44	-	20.85	0.00	3488.59
MW - 28	08/05/14	3509.44	-	20.91	0.00	3488.53
MW - 28	10/27/14	3509.44	-	19.71	0.00	3489.73
MW - 28	11/19/14	3509.44	-	19.68	0.00	3489.76
MW - 28	03/20/15	3509.44	-	19.80	0.00	3489.64
MW - 28	04/04/15	3509.44	-	19.77	0.00	3489.67
MW - 28	05/27/15	3509.44	-	19.60	0.00	3489.84
MW - 28	07/09/15	3509.44	-	19.59	0.00	3489.85
MW - 28	08/03/15	3509.44	-	19.85	0.00	3489.59
MW - 28	09/24/15	3509.44	-	20.09	0.00	3489.35
MW - 28	11/18/15	3509.44	-	19.76	0.00	3489.68
MW - 28	01/08/16	3509.44	-	19.67	0.00	3489.77
MW - 28	02/23/16	3509.44	-	19.62	0.00	3489.82

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 28	04/08/16	3509.44	-	19.54	0.00	3489.90
MW - 28	06/06/16	3509.44	-	19.55	0.00	3489.89
MW - 28	06/28/16	3509.44	-	19.72	0.00	3489.72
MW - 28	07/27/16	3509.44	-	20.04	0.00	3489.40
MW - 28	08/03/16	3509.44	-	20.08	0.00	3489.36
MW - 28	09/27/16	3509.44	-	18.92	0.00	3490.52
MW - 28	10/21/16	3509.44	-	18.98	0.00	3490.46
MW - 28	11/08/16	3509.44	-	19.05	0.00	3490.39
MW - 28	01/26/17	3509.44	-	19.15	0.00	3490.29
MW - 28	02/28/17	3509.44	-	19.14	0.00	3490.30
MW - 28	03/15/17	3509.44	-	19.11	0.00	3490.33
MW - 28	05/23/17	3509.44	-	19.10	0.00	3490.34
MW - 28	07/20/17	3509.44	-	19.57	0.00	3489.87
MW - 28	08/16/17	3509.44	-	19.44	0.00	3490.00
MW - 28	09/13/17	3509.44	-	19.27	0.00	3490.17
MW - 28	10/12/17	3509.44	-	19.22	0.00	3490.22
MW - 28	11/14/17	3509.44	-	19.21	0.00	3490.23
MW - 28	12/20/17	3509.44	-	19.19	0.00	3490.25
MW - 28	01/09/18	3509.44	-	19.16	0.00	3490.28
MW - 28	02/07/18	3509.44	-	19.16	0.00	3490.28
MW - 28	03/29/18	3509.44	-	19.11	0.00	3490.33
MW - 28	04/16/18	3509.44	-	19.09	0.00	3490.35
MW - 28	05/21/18	3509.44	-	19.24	0.00	3490.20
MW - 28	06/18/18	3509.44	-	19.52	0.00	3489.92
MW - 28	07/11/18	3509.44	-	19.68	0.00	3489.76
MW - 28	08/08/18	3509.44	-	19.86	0.00	3489.58
MW - 28	09/12/18	3509.44	-	19.95	0.00	3489.49
MW - 28	11/12/18	3509.44	-	19.63	0.00	3489.81
MW - 28	01/09/19	3509.44	-	19.52	0.00	3489.92
MW - 28	02/12/19	3509.44	-	19.49	0.00	3489.95
MW - 28	03/12/19	3509.44	-	19.42	0.00	3490.02
MW - 28	04/01/19	3509.44	-	19.36	0.00	3490.08
MW - 28	05/07/19	3509.44	-	19.29	0.00	3490.15
MW - 28	06/14/19	3509.44	-	19.48	0.00	3489.96
MW - 28	07/11/19	3509.44	-	19.77	0.00	3489.67
MW - 28	08/07/19	3509.44	-	19.91	0.00	3489.53
MW - 28	09/12/19	3509.44	-	20.08	0.00	3489.36
MW - 28	10/15/19	3509.44	-	19.81	0.00	3489.63
MW - 28	11/06/19	3509.44	-	19.82	0.00	3489.62
MW - 28	12/17/19	3509.44	-	19.65	0.00	3489.79
MW - 28	01/06/20	3509.44	-	19.62	0.00	3489.82
MW - 28	03/04/20	3509.44	-	19.55	0.00	3489.89
MW - 28	05/14/20	3509.44	-	19.32	0.00	3490.12
MW - 28	06/17/20	3509.44	-	19.68	0.00	3489.76
MW - 28	07/21/20	3509.44	-	19.99	0.00	3489.45
MW - 28	08/13/20	3509.44	-	20.11	0.00	3489.33
MW - 28	09/14/20	3509.44	-	20.23	0.00	3489.21
MW - 28	12/09/20	3509.44	-	20.41	0.00	3489.03
MW - 28	01/13/21	3509.44	-	20.39	0.00	3489.05
MW - 28	02/10/21	3509.44	-	20.33	0.00	3489.11
MW - 28	04/21/21	3509.44	-	20.23	0.00	3489.21
MW - 28	06/09/21	3509.44	-	20.21	0.00	3489.23
MW - 28	09/22/21	3509.44	-	20.44	0.00	3489.00
MW - 28	10/14/21	3509.44	-	20.48	0.00	3488.96

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 28	12/06/21	3509.44	-	20.56	0.00	3488.88
MW - 28	03/14/22	3509.44	-	20.52	0.00	3488.92
MW - 28	04/20/22	3509.44	-	20.50	0.00	3488.94
MW - 28	05/09/22	3509.44	-	20.55	0.00	3488.89
MW - 28	08/16/22	3509.44	-	20.96	0.00	3488.48
MW - 28	11/10/22	3509.44	-	20.82	0.00	3488.62
RW - 1	11/06/02	3507.27	20.20	20.82	0.62	3486.98
RW - 1	11/12/02	3507.27	20.06	20.26	0.20	3487.18
RW - 1	01/07/03	3507.27	19.62	21.18	1.56	3487.42
RW - 1	01/27/03	3507.27	19.65	20.35	0.70	3487.52
RW - 1	02/26/03	3507.27	19.62	20.22	0.60	3487.56
RW - 1	03/11/03	3507.27	19.69	20.55	0.86	3487.45
RW - 1	03/19/03	3507.27	19.65	20.70	1.05	3487.46
RW - 1	03/25/03	3507.27	19.55	20.71	1.16	3487.55
RW - 1	04/16/03	3507.27	19.70	20.28	0.58	3487.48
RW - 1	04/23/03	3507.27	19.53	20.39	0.86	3487.61
RW - 1	04/29/03	3507.27	19.55	20.45	0.90	3487.59
RW - 1	05/14/03	3507.27	19.74	20.24	0.50	3487.46
RW - 1	05/20/03	3507.27	20.12	20.41	0.29	3487.11
RW - 1	05/27/03	3507.27	19.93	20.12	0.19	3487.31
RW - 1	06/04/03	3507.27	19.81	20.40	0.59	3487.37
RW - 1	06/26/03	3507.27	19.51	20.22	0.71	3487.65
RW - 1	07/07/03	3507.27	20.22	21.21	0.99	3486.90
RW - 1	07/30/03	3507.27	20.33	20.63	0.30	3486.90
RW - 1	08/06/03	3507.27	20.56	20.89	0.33	3486.66
RW - 1	08/21/03	3507.27	20.77	21.02	0.25	3486.46
RW - 1	08/27/03	3507.27	21.02	21.06	0.04	3486.24
RW - 1	09/08/03	3507.27	20.68	20.99	0.31	3486.54
RW - 1	09/15/03	3507.27	20.62	20.96	0.34	3486.60
RW - 1	09/24/03	3507.27	21.09	21.12	0.03	3486.18
RW - 1	10/02/03	3507.27	20.86	20.92	0.06	3486.40
RW - 1	10/08/03	3507.27	20.75	20.80	0.05	3486.51
RW - 1	10/16/03	3507.27	21.07	21.10	0.03	3486.20
RW - 1	10/28/03	3507.27	21.14	21.16	0.02	3486.13
RW - 1	11/11/03	3507.27	-	21.21	0.00	3486.06
RW - 1	11/18/03	3507.27	21.03	21.04	0.01	3486.24
RW - 1	12/10/03	3507.27	20.73	20.98	0.25	3486.50
RW - 1	02/02/04	3507.27	21.20	21.26	0.06	3486.06
RW - 1	02/26/04	3507.27	20.68	20.80	0.12	3486.57
RW - 1	03/16/04	3507.27	20.89	21.31	0.42	3486.32
RW - 1	03/19/04	3507.27	20.81	21.14	0.33	3486.41
RW - 1	03/25/04	3507.27	20.85	21.35	0.50	3486.35
RW - 1	04/01/04	3507.27	20.77	21.36	0.59	3486.41
RW - 1	04/08/04	3507.27	20.73	21.20	0.47	3486.47
RW - 1	04/14/04	3507.27	19.88	20.39	0.51	3487.31
RW - 1	04/16/04	3507.27	20.04	20.48	0.44	3487.16
RW - 1	04/22/04	3507.27	19.29	19.71	0.42	3487.92
RW - 1	04/29/04	3507.27	19.32	19.84	0.52	3487.87
RW - 1	05/11/04	3507.27	19.84	19.87	0.03	3487.43
RW - 1	08/04/04	3507.27	WELL OBSTRUCTED			
RW - 1	08/10/04	3507.27	WELL OBSTRUCTED			
RW - 1	08/16/04	3507.27	WELL OBSTRUCTED			
RW - 1	08/23/04	3507.27	WELL OBSTRUCTED			



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	08/25/04	3507.27	WELL OBSTRUCTED			
RW - 1	12/03/04	3507.27	WELL OBSTRUCTED			
RW - 1	03/08/05	3507.27	18.04	18.80	0.76	3489.12
RW - 1	06/08/05	3507.27	WELL OBSTRUCTED			
RW - 1	09/15/05	3507.27	17.78	19.10	1.32	3489.29
RW - 1	12/12/05	3507.27	17.64	21.64	4.00	3489.03
RW - 1	03/16/06	3507.27	17.66	21.08	3.42	3489.10
RW - 1	03/28/06	3507.27	17.90	18.98	1.08	3489.21
RW - 1	04/03/06	3507.27	17.85	18.89	1.04	3489.26
RW - 1	04/10/06	3507.27	17.84	18.34	0.50	3489.36
RW - 1	04/17/06	3507.27	17.86	18.18	0.32	3489.36
RW - 1	05/01/06	3507.27	17.87	18.06	0.19	3489.37
RW - 1	05/08/06	3507.27	17.89	18.16	0.27	3489.34
RW - 1	05/15/06	3507.27	17.93	18.40	0.47	3489.27
RW - 1	06/05/06	3507.27	18.16	18.54	0.38	3489.05
RW - 1	06/12/06	3507.27	18.34	18.61	0.27	3488.89
RW - 1	06/15/06	3507.27	18.32	18.47	0.15	3488.93
RW - 1	06/19/06	3507.27	18.48	18.71	0.23	3488.76
RW - 1	07/03/06	3507.27	sheen	18.65	0.00	3488.62
RW - 1	07/10/06	3507.27	18.49	18.68	0.19	3488.75
RW - 1	07/17/06	3507.27	18.35	18.47	0.12	3488.90
RW - 1	07/26/06	3507.27	18.42	18.65	0.23	3488.82
RW - 1	07/31/06	3507.27	18.51	18.69	0.18	3488.73
RW - 1	08/07/06	3507.27	18.52	18.71	0.19	3488.72
RW - 1	08/17/06	3507.27	18.44	18.58	0.14	3488.81
RW - 1	08/21/06	3507.27	18.35	18.52	0.17	3488.89
RW - 1	09/06/06	3507.27	18.10	18.44	0.34	3489.12
RW - 1	09/11/06	3507.27	18.13	18.46	0.33	3489.09
RW - 1	09/18/06	3507.27	18.07	18.53	0.46	3489.13
RW - 1	09/25/06	3507.27	18.04	18.78	0.74	3489.12
RW - 1	10/02/06	3507.27	18.00	18.72	0.72	3489.16
RW - 1	10/09/06	3507.27	18.07	18.84	0.77	3489.08
RW - 1	10/17/06	3507.27	18.10	18.97	0.87	3489.04
RW - 1	10/23/06	3507.27	18.04	18.08	0.04	3489.22
RW - 1	10/30/06	3507.27	18.02	18.06	0.04	3489.24
RW - 1	11/06/06	3507.27	18.12	18.71	0.59	3489.06
RW - 1	11/13/06	3507.27	18.15	18.46	0.31	3489.07
RW - 1	11/20/06	3507.27	18.13	18.34	0.21	3489.11
RW - 1	11/27/06	3507.27	18.13	18.43	0.30	3489.10
RW - 1	11/30/06	3507.27	18.10	18.26	0.16	3489.15
RW - 1	12/04/06	3507.27	18.08	18.46	0.38	3489.13
RW - 1	12/12/06	3507.27	18.16	18.49	0.33	3489.06
RW - 1	12/18/06	3507.27	18.05	18.27	0.22	3489.19
RW - 1	01/02/07	3507.27	18.05	18.30	0.25	3489.18
RW - 1	01/11/07	3507.27	18.02	18.16	0.14	3489.23
RW - 1	01/18/07	3507.27	18.00	18.25	0.25	3489.23
RW - 1	01/22/07	3507.27	17.99	18.28	0.29	3489.24
RW - 1	02/05/07	3507.27	18.01	18.16	0.15	3489.24
RW - 1	02/12/07	3507.27	17.92	18.05	0.13	3489.33
RW - 1	02/19/07	3507.27	17.93	18.07	0.14	3489.32
RW - 1	02/27/07	3507.27	17.32	17.87	0.55	3489.87
RW - 1	03/05/07	3507.27	18.02	18.41	0.39	3489.19
RW - 1	03/12/07	3507.27	18.00	18.07	0.07	3489.26
RW - 1	03/19/07	3507.27	17.92	18.32	0.40	3489.29

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	04/02/07	3507.27	17.94	18.15	0.21	3489.30
RW - 1	04/09/07	3507.27	17.87	17.99	0.12	3489.38
RW - 1	05/01/07	3507.27	17.86	18.11	0.25	3489.37
RW - 1	05/12/07	3507.27	17.86	18.11	0.25	3489.37
RW - 1	05/17/07	3507.27	17.74	17.91	0.17	3489.50
RW - 1	05/21/07	3507.27	17.72	17.90	0.18	3489.52
RW - 1	05/22/07	3507.27	17.72	17.90	0.18	3489.52
RW - 1	06/01/07	3507.27	17.71	17.91	0.20	3489.53
RW - 1	06/06/07	3507.27	17.73	17.97	0.24	3489.50
RW - 1	06/11/07	3507.27	17.81	17.98	0.17	3489.43
RW - 1	06/19/07	3507.27	17.85	18.04	0.19	3489.39
RW - 1	06/25/07	3507.27	17.93	18.06	0.13	3489.32
RW - 1	07/03/07	3507.27	18.00	18.24	0.24	3489.23
RW - 1	07/18/07	3507.27	18.18	18.30	0.12	3489.07
RW - 1	07/23/07	3507.27	18.24	18.39	0.15	3489.01
RW - 1	07/31/07	3507.27	18.37	18.88	0.51	3488.82
RW - 1	08/14/07	3507.27	18.37	18.56	0.19	3488.87
RW - 1	08/15/07	3507.27	18.39	18.51	0.12	3488.86
RW - 1	08/29/07	3507.27	18.51	18.76	0.25	3488.72
RW - 1	09/07/07	3507.27	18.55	18.77	0.22	3488.69
RW - 1	09/10/07	3507.27	18.44	18.59	0.15	3488.81
RW - 1	09/17/07	3507.27	18.27	18.35	0.08	3488.99
RW - 1	09/24/07	3507.27	18.22	18.39	0.17	3489.02
RW - 1	11/05/07	3507.27	18.19	18.71	0.52	3489.00
RW - 1	11/06/07	3507.27	18.24	18.29	0.05	3489.02
RW - 1	11/12/07	3507.27	18.18	18.38	0.20	3489.06
RW - 1	11/19/07	3507.27	18.22	18.31	0.09	3489.04
RW - 1	11/30/07	3507.27	18.24	18.29	0.05	3489.02
RW - 1	12/03/07	3507.27	18.21	18.23	0.02	3489.06
RW - 1	12/14/07	3507.27	18.14	18.26	0.12	3489.11
RW - 1	12/17/07	3507.27	18.19	18.24	0.05	3489.07
RW - 1	01/09/08	3507.27	18.07	18.26	0.19	3489.17
RW - 1	01/16/08	3507.27	18.13	18.48	0.35	3489.09
RW - 1	01/30/08	3507.27	18.06	18.25	0.19	3489.18
RW - 1	02/08/08	3507.27	18.10	18.32	0.22	3489.14
RW - 1	02/12/08	3507.27	18.09	18.29	0.20	3489.15
RW - 1	02/14/08	3507.27	18.10	18.21	0.11	3489.15
RW - 1	02/20/08	3507.27	18.08	18.18	0.10	3489.18
RW - 1	03/13/08	3507.27	18.08	18.12	0.04	3489.18
RW - 1	03/19/08	3507.27	18.09	18.18	0.09	3489.17
RW - 1	03/24/08	3507.27	18.05	18.14	0.09	3489.21
RW - 1	04/02/08	3507.27	18.06	18.12	0.06	3489.20
RW - 1	04/07/08	3507.27	18.07	18.11	0.04	3489.19
RW - 1	04/14/08	3507.27	18.05	18.12	0.07	3489.21
RW - 1	04/23/08	3507.27	18.05	18.11	0.06	3489.21
RW - 1	05/07/08	3507.27	18.05	18.16	0.11	3489.20
RW - 1	05/13/08	3507.27	18.05	18.16	0.11	3489.20
RW - 1	05/14/08	3507.27	18.08	18.11	0.03	3489.19
RW - 1	05/19/08	3507.27	18.10	18.12	0.02	3489.17
RW - 1	06/09/08	3507.27	18.32	18.44	0.12	3488.93
RW - 1	06/16/08	3507.27	18.01	18.12	0.11	3489.24
RW - 1	06/23/08	3507.27	18.49	18.96	0.47	3488.71
RW - 1	06/30/08	3507.27	18.56	18.67	0.11	3488.69
RW - 1	07/14/08	3507.27	18.61	18.63	0.02	3488.66

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	07/22/08	3507.27	18.72	18.82	0.10	3488.54
RW - 1	07/29/08	3507.27	18.71	18.80	0.09	3488.55
RW - 1	08/04/08	3507.27	18.74	18.85	0.11	3488.51
RW - 1	08/11/08	3507.27	18.80	18.81	0.01	3488.47
RW - 1	08/14/08	3507.27	18.80	18.93	0.13	3488.45
RW - 1	08/18/08	3507.27	18.79	18.92	0.13	3488.46
RW - 1	08/28/08	3507.27	18.76	18.85	0.09	3488.50
RW - 1	09/17/08	3507.27	18.53	18.64	0.11	3488.72
RW - 1	09/29/08	3507.27	18.51	18.63	0.12	3488.74
RW - 1	10/06/08	3507.27	18.51	18.64	0.13	3488.74
RW - 1	10/13/08	3507.27	18.54	18.59	0.05	3488.72
RW - 1	10/20/08	3507.27	18.41	18.49	0.08	3488.85
RW - 1	10/29/08	3507.27	18.39	18.47	0.08	3488.87
RW - 1	10/30/08	3507.27	18.44	18.45	0.01	3488.83
RW - 1	11/06/08	3507.27	18.36	18.42	0.06	3488.90
RW - 1	11/12/08	3507.27	18.34	18.43	0.09	3488.92
RW - 1	11/13/08	3507.27	18.34	18.43	0.09	3488.92
RW - 1	12/16/08	3507.27	18.36	18.43	0.07	3488.90
RW - 1	12/19/08	3507.27	18.33	18.38	0.05	3488.93
RW - 1	12/22/08	3507.27	18.32	18.35	0.03	3488.95
RW - 1	01/06/09	3507.27	18.31	18.33	0.02	3488.96
RW - 1	01/12/09	3507.27	18.29	18.71	0.42	3488.92
RW - 1	01/19/09	3507.27	18.29	18.51	0.22	3488.95
RW - 1	01/22/09	3507.27	18.26	18.29	0.03	3489.01
RW - 1	01/26/09	3507.27	18.31	18.38	0.07	3488.95
RW - 1	02/10/09	3507.27	18.23	18.27	0.04	3489.03
RW - 1	02/13/09	3507.27	18.34	18.76	0.42	3488.87
RW - 1	02/24/09	3507.27	18.39	18.73	0.34	3488.83
RW - 1	03/02/09	3507.27	18.23	18.52	0.29	3489.00
RW - 1	03/05/09	3507.27	18.23	18.30	0.07	3489.03
RW - 1	03/09/09	3507.27	18.20	18.22	0.02	3489.07
RW - 1	03/16/09	3507.27	18.19	18.25	0.06	3489.07
RW - 1	03/19/09	3507.27	18.25	18.55	0.30	3488.98
RW - 1	03/25/09	3507.27	18.27	18.58	0.31	3488.95
RW - 1	03/30/09	3507.27	18.29	18.56	0.27	3488.94
RW - 1	04/13/09	3507.27	18.18	18.21	0.03	3489.09
RW - 1	04/16/09	3507.27	18.29	18.46	0.17	3488.95
RW - 1	04/21/09	3507.27	18.27	18.42	0.15	3488.98
RW - 1	04/27/09	3507.27	18.17	18.19	0.02	3489.10
RW - 1	04/30/09	3507.27	18.25	18.39	0.14	3489.00
RW - 1	05/06/09	3507.27	18.25	18.38	0.13	3489.00
RW - 1	05/12/09	3507.27	17.98	18.11	0.13	3489.27
RW - 1	05/19/09	3507.27	18.25	18.28	0.03	3489.02
RW - 1	05/26/09	3507.27	18.29	18.33	0.04	3488.97
RW - 1	06/01/09	3507.27	18.32	18.38	0.06	3488.94
RW - 1	06/05/09	3507.27	18.37	18.42	0.05	3488.89
RW - 1	06/12/09	3507.27	18.39	18.41	0.02	3488.88
RW - 1	06/15/09	3507.27	18.48	18.53	0.05	3488.78
RW - 1	06/22/09	3507.27	18.49	18.54	0.05	3488.77
RW - 1	06/24/09	3507.27	18.52	18.58	0.06	3488.74
RW - 1	06/29/09	3507.27	18.60	18.66	0.06	3488.66
RW - 1	07/06/09	3507.27	18.60	18.65	0.05	3488.66
RW - 1	07/09/09	3507.27	18.25	18.28	0.03	3489.02
RW - 1	07/13/09	3507.27	18.26	18.30	0.04	3489.00

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	07/20/09	3507.27	18.25	18.32	0.07	3489.01
RW - 1	07/23/09	3507.27	18.74	18.89	0.15	3488.51
RW - 1	07/27/09	3507.27	18.75	18.87	0.12	3488.50
RW - 1	07/29/09	3507.27	18.71	18.78	0.07	3488.55
RW - 1	08/03/09	3507.27	18.72	18.78	0.06	3488.54
RW - 1	08/10/09	3507.27	18.82	18.88	0.06	3488.44
RW - 1	08/10/09	3507.27	18.82	18.88	0.06	3488.44
RW - 1	08/18/09	3507.27	18.83	19.07	0.24	3488.40
RW - 1	08/24/09	3507.27	18.88	18.95	0.07	3488.38
RW - 1	08/28/09	3507.27	18.90	18.94	0.04	3488.36
RW - 1	08/31/09	3507.27	-	19.98	0.00	3487.29
RW - 1	09/02/09	3507.27	-	18.95	0.00	3488.32
RW - 1	09/08/09	3507.27	-	19.07	0.00	3488.20
RW - 1	09/10/09	3507.27	-	18.96	0.00	3488.31
RW - 1	09/16/09	3507.27	-	19.02	0.00	3488.25
RW - 1	09/18/09	3507.27	-	19.02	0.00	3488.25
RW - 1	09/22/09	3507.27	-	19.09	0.00	3488.18
RW - 1	09/28/09	3507.27	18.92	18.96	0.04	3488.34
RW - 1	10/09/09	3507.27	19.14	19.36	0.22	3488.10
RW - 1	10/12/09	3507.27	18.24	18.29	0.05	3489.02
RW - 1	10/20/09	3507.27	sheen	19.24	0.00	3488.03
RW - 1	10/26/09	3507.27	18.25	18.28	0.03	3489.02
RW - 1	10/28/09	3507.27	-	19.24	0.00	3488.03
RW - 1	11/03/09	3507.27	-	19.15	0.00	3488.12
RW - 1	11/12/09	3507.27	-	19.33	0.00	3487.94
RW - 1	11/18/09	3507.27	-	19.32	0.00	3487.95
RW - 1	12/03/09	3507.27	sheen	19.32	0.00	3487.95
RW - 1	12/11/09	3507.27	sheen	19.31	0.00	3487.96
RW - 1	12/16/09	3507.27	sheen	19.06	0.00	3488.21
RW - 1	12/21/09	3507.27	sheen	19.18	0.00	3488.09
RW - 1	12/28/09	3507.27	sheen	19.35	0.00	3487.92
RW - 1	01/04/09	3507.27	sheen	19.14	0.00	3488.13
RW - 1	01/14/10	3507.27	sheen	19.09	0.00	3488.18
RW - 1	01/20/10	3507.27	sheen	19.14	0.00	3488.13
RW - 1	01/25/10	3507.27	sheen	19.27	0.00	3488.00
RW - 1	01/27/10	3507.27	sheen	19.15	0.00	3488.12
RW - 1	02/01/10	3507.27	sheen	19.21	0.00	3488.06
RW - 1	02/08/10	3507.27	sheen	19.04	0.00	3488.23
RW - 1	02/09/10	3507.27	sheen	19.43	0.00	3487.84
RW - 1	02/19/10	3507.27	-	19.81	0.00	3487.46
RW - 1	02/26/10	3507.27	sheen	18.95	0.00	3488.32
RW - 1	03/01/10	3507.27	sheen	19.27	0.00	3488.00
RW - 1	03/04/10	3507.27	sheen	18.89	0.00	3488.38
RW - 1	03/08/10	3507.27	sheen	18.94	0.00	3488.33
RW - 1	03/11/10	3507.27	sheen	18.82	0.00	3488.45
RW - 1	03/15/10	3507.27	sheen	18.84	0.00	3488.43
RW - 1	03/17/10	3507.27	sheen	18.83	0.00	3488.44
RW - 1	03/22/10	3507.27	sheen	18.76	0.00	3488.51
RW - 1	03/29/10	3507.27	sheen	18.69	0.00	3488.58
RW - 1	04/05/10	3507.27	sheen	18.71	0.00	3488.56
RW - 1	04/14/10	3507.27	sheen	18.69	0.00	3488.58
RW - 1	04/16/10	3507.27	sheen	18.63	0.00	3488.64
RW - 1	04/19/10	3507.27	sheen	18.70	0.00	3488.57
RW - 1	04/28/10	3507.27	sheen	18.64	0.00	3488.63

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	05/05/10	3507.27	sheen	18.58	0.00	3488.69
RW - 1	05/12/10	3507.27	sheen	18.64	0.00	3488.63
RW - 1	05/14/10	3507.27	sheen	18.64	0.00	3488.63
RW - 1	05/21/10	3507.27	sheen	18.45	0.00	3488.82
RW - 1	05/26/10	3507.27	sheen	18.59	0.00	3488.68
RW - 1	06/04/10	3507.27	sheen	18.49	0.00	3488.78
RW - 1	06/07/10	3507.27	sheen	18.68	0.00	3488.59
RW - 1	06/12/10	3507.27	sheen	18.74	0.00	3488.53
RW - 1	06/24/10	3507.27	sheen	18.90	0.00	3488.37
RW - 1	06/30/10	3507.27	sheen	18.42	0.00	3488.85
RW - 1	07/07/10	3507.27	sheen	18.60	0.00	3488.67
RW - 1	07/12/10	3507.27	sheen	18.22	0.00	3489.05
RW - 1	07/19/10	3507.27	sheen	18.33	0.00	3488.94
RW - 1	08/03/10	3507.27	18.08	18.10	0.02	3489.19
RW - 1	08/11/10	3507.27	18.08	18.10	0.02	3489.19
RW - 1	08/19/10	3507.27	18.11	18.12	0.01	3489.16
RW - 1	08/25/10	3507.27	18.19	18.26	0.07	3489.07
RW - 1	09/01/10	3507.27	18.20	18.29	0.09	3489.06
RW - 1	09/09/10	3507.27	18.30	18.41	0.11	3488.95
RW - 1	09/13/10	3507.27	18.08	18.10	0.02	3489.19
RW - 1	09/29/10	3507.27	18.38	18.50	0.12	3488.87
RW - 1	10/05/10	3507.27	18.06	18.11	0.05	3489.20
RW - 1	10/20/10	3507.27	18.50	18.94	0.44	3488.70
RW - 1	10/25/10	3507.27	18.52	18.93	0.41	3488.69
RW - 1	11/03/10	3507.27	18.06	18.09	0.03	3489.21
RW - 1	11/10/10	3507.27	18.15	18.21	0.06	3489.11
RW - 1	11/12/10	3507.27	18.15	18.21	0.06	3489.11
RW - 1	12/09/10	3507.27	18.02	18.13	0.11	3489.23
RW - 1	01/18/11	3507.27	18.15	18.21	0.06	3489.11
RW - 1	02/16/11	3507.27	18.14	18.23	0.09	3489.12
RW - 1	03/01/11	3507.27	18.38	18.39	0.01	3488.89
RW - 1	03/07/11	3507.27	18.35	18.36	0.01	3488.92
RW - 1	03/22/11	3507.27	18.15	18.21	0.06	3489.11
RW - 1	04/27/11	3507.27	18.34	18.63	0.29	3488.89
RW - 1	05/05/11	3507.27	18.46	18.49	0.03	3488.81
RW - 1	05/10/11	3507.27	18.51	18.53	0.02	3488.76
RW - 1	05/17/11	3507.27	18.52	18.54	0.02	3488.75
RW - 1	05/19/11	3507.27	18.52	18.54	0.02	3488.75
RW - 1	05/24/11	3507.27	18.63	18.68	0.05	3488.63
RW - 1	06/07/11	3507.27	18.68	18.76	0.08	3488.58
RW - 1	06/08/11	3507.27	18.70	18.75	0.05	3488.56
RW - 1	06/14/11	3507.27	18.75	18.80	0.05	3488.51
RW - 1	06/23/11	3507.27	18.68	18.78	0.10	3488.58
RW - 1	06/28/11	3507.27	18.65	18.72	0.07	3488.61
RW - 1	07/06/11	3507.27	18.88	19.14	0.26	3488.35
RW - 1	07/14/11	3507.27	18.88	18.98	0.10	3488.38
RW - 1	07/20/11	3507.27	19.00	19.08	0.08	3488.26
RW - 1	07/27/11	3507.27	18.97	19.05	0.08	3488.29
RW - 1	08/03/11	3507.27	18.95	19.03	0.08	3488.31
RW - 1	08/10/11	3507.27	19.08	19.15	0.07	3488.18
RW - 1	08/18/11	3507.27	19.21	19.28	0.07	3488.05
RW - 1	08/25/11	3507.27	19.25	19.30	0.05	3488.01
RW - 1	09/07/11	3507.27	19.33	19.42	0.09	3487.93
RW - 1	09/14/11	3507.27	19.40	19.46	0.06	3487.86

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	11/14/11	3507.27	19.21	19.23	0.02	3488.06
RW - 1	12/01/11	3507.27	-	19.32	0.00	3487.95
RW - 1	12/08/11	3507.27	-	19.23	0.00	3488.04
RW - 1	12/14/11	3507.27	-	19.51	0.00	3487.76
RW - 1	01/12/12	3507.27	-	19.18	0.00	3488.09
RW - 1	01/19/12	3507.27	-	19.11	0.00	3488.16
RW - 1	02/03/12	3507.27	-	19.11	0.00	3488.16
RW - 1	02/29/12	3507.27	-	19.01	0.00	3488.26
RW - 1	03/14/12	3507.27	-	18.86	0.00	3488.41
RW - 1	03/19/12	3507.27	-	19.10	0.00	3488.17
RW - 1	03/29/12	3507.27	-	18.89	0.00	3488.38
RW - 1	04/05/12	3507.27	-	18.82	0.00	3488.45
RW - 1	04/18/12	3507.27	-	18.81	0.00	3488.46
RW - 1	04/27/12	3507.27	-	18.82	0.00	3488.45
RW - 1	05/02/12	3507.27	-	18.87	0.00	3488.40
RW - 1	05/31/12	3507.27	-	18.95	0.00	3488.32
RW - 1	06/08/12	3507.27	19.81	19.82	0.01	3487.46
RW - 1	06/12/12	3507.27	18.92	18.94	0.02	3488.35
RW - 1	06/21/12	3507.27	-	19.06	0.00	3488.21
RW - 1	06/29/12	3507.27	-	19.18	0.00	3488.09
RW - 1	07/13/12	3507.27	19.21	19.27	0.06	3488.05
RW - 1	12/06/12	3507.27	20.73	20.74	0.01	3486.54
RW - 1	12/11/12	3507.27	-	20.72	0.00	3486.55
RW - 1	12/18/12	3507.27	19.69	19.70	0.01	3487.58
RW - 1	01/09/13	3507.27	20.64	20.66	0.02	3486.63
RW - 1	01/15/13	3507.27	-	20.65	0.00	3486.62
RW - 1	01/23/13	3507.27	-	20.65	0.00	3486.62
RW - 1	01/29/13	3507.27	-	20.61	0.00	3486.66
RW - 1	02/07/13	3507.27	-	20.63	0.00	3486.64
RW - 1	02/13/13	3507.27	20.60	20.61	0.01	3486.67
RW - 1	02/20/13	3507.27	-	20.54	0.00	3486.73
RW - 1	03/15/13	3507.27	-	20.55	0.00	3486.72
RW - 1	03/19/13	3507.27	-	20.54	0.00	3486.73
RW - 1	04/02/13	3507.27	-	20.56	0.00	3486.71
RW - 1	04/09/13	3507.27	-	20.50	0.00	3486.77
RW - 1	04/16/13	3507.27	-	20.49	0.00	3486.78
RW - 1	04/23/13	3507.27	20.49	20.50	0.01	3486.78
RW - 1	04/30/13	3507.27	-	20.46	0.00	3486.81
RW - 1	05/08/13	3507.27	-	20.66	0.00	3486.61
RW - 1	05/14/13	3507.27	-	20.60	0.00	3486.67
RW - 1	05/22/13	3507.27	-	20.62	0.00	3486.65
RW - 1	05/28/13	3507.27	-	20.44	0.00	3486.83
RW - 1	06/04/13	3507.27	-	20.46	0.00	3486.81
RW - 1	06/11/13	3507.27	20.51	20.52	0.01	3486.76
RW - 1	06/19/13	3507.27	-	20.70	0.00	3486.57
RW - 1	06/28/13	3507.27	-	20.82	0.00	3486.45
RW - 1	07/01/13	3507.27	-	21.10	0.00	3486.17
RW - 1	07/08/13	3507.27	-	20.88	0.00	3486.39
RW - 1	07/23/13	3507.27	-	20.83	0.00	3486.44
RW - 1	07/30/13	3507.27	-	20.80	0.00	3486.47
RW - 1	08/05/13	3507.27	-	20.96	0.00	3486.31
RW - 1	08/12/13	3507.27	-	20.85	0.00	3486.42
RW - 1	08/22/13	3507.27	-	20.94	0.00	3486.33
RW - 1	08/29/13	3507.27	-	20.98	0.00	3486.29

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	09/05/13	3507.27	-	20.98	0.00	3486.29
RW - 1	09/10/13	3507.27	-	21.10	0.00	3486.17
RW - 1	09/17/13	3507.27	-	21.23	0.00	3486.04
RW - 1	09/24/13	3507.27	-	21.24	0.00	3486.03
RW - 1	10/07/13	3507.27	-	21.26	0.00	3486.01
RW - 1	11/14/13	3507.27	-	23.60	0.00	3483.67
RW - 1	11/20/13	-	-	23.60	0.00	-
RW - 1	12/12/13	-	-	23.58	0.00	-
RW - 1	12/19/13	-	-	23.55	0.00	-
RW - 1	01/03/14	-	-	23.50	0.00	-
RW - 1	01/09/14	-	-	23.52	0.00	-
RW - 1	01/13/14	-	-	23.50	0.00	-
RW - 1	01/21/14	-	-	23.48	0.00	-
RW - 1	01/24/14	-	-	23.54	0.00	-
RW - 1	02/04/14	3512.54	-	23.45	0.00	3489.09
RW - 1	02/10/14	3512.54	-	23.51	0.00	3489.03
RW - 1	02/27/14	3512.54	-	23.45	0.00	3489.09
RW - 1	03/17/14	3512.54	-	23.35	0.00	3489.19
RW - 1	03/27/14	3512.54	-	23.31	0.00	3489.23
RW - 1	04/02/14	3512.54	-	23.27	0.00	3489.27
RW - 1	04/16/14	3512.54	-	23.20	0.00	3489.34
RW - 1	04/22/14	3512.54	-	23.20	0.00	3489.34
RW - 1	04/28/14	3512.54	-	23.23	0.00	3489.31
RW - 1	05/06/14	3512.54	-	23.19	0.00	3489.35
RW - 1	05/13/14	3512.54	-	23.22	0.00	3489.32
RW - 1	05/14/14	3512.54	-	23.21	0.00	3489.33
RW - 1	05/21/14	3512.54	-	23.21	0.00	3489.33
RW - 1	06/05/14	3512.54	-	23.30	0.00	3489.24
RW - 1	06/11/14	3512.54	-	23.36	0.00	3489.18
RW - 1	06/16/14	3512.54	-	23.43	0.00	3489.11
RW - 1	06/24/14	3512.54	-	23.54	0.00	3489.00
RW - 1	07/01/14	3512.54	-	23.62	0.00	3488.92
RW - 1	07/08/14	3512.54	-	23.67	0.00	3488.87
RW - 1	07/15/14	3512.54	-	23.70	0.00	3488.84
RW - 1	07/22/14	3512.54	-	23.81	0.00	3488.73
RW - 1	07/23/14	3512.54	-	23.81	0.00	3488.73
RW - 1	07/31/14	3512.54	-	23.98	0.00	3488.56
RW - 1	08/05/14	3512.54	-	24.08	0.00	3488.46
RW - 1	08/07/14	3512.54	-	23.94	0.00	3488.60
RW - 1	08/15/14	3512.54	-	24.00	0.00	3488.54
RW - 1	08/20/14	3512.54	-	24.03	0.00	3488.51
RW - 1	08/27/14	3512.54	-	23.91	0.00	3488.63
RW - 1	09/24/14	3512.54	-	23.23	0.00	3489.31
RW - 1	10/01/14	3512.54	-	22.91	0.00	3489.63
RW - 1	10/07/14	3512.54	-	22.76	0.00	3489.78
RW - 1	10/14/14	3512.54	-	22.81	0.00	3489.73
RW - 1	10/20/14	3512.54	-	22.82	0.00	3489.72
RW - 1	10/27/14	3512.54	-	22.78	0.00	3489.76
RW - 1	11/03/14	3512.54	-	22.77	0.00	3489.77
RW - 1	11/11/14	3512.54	-	22.76	0.00	3489.78
RW - 1	11/19/14	3512.54	-	22.78	0.00	3489.76
RW - 1	12/08/14	3512.54	-	22.80	0.00	3489.74
RW - 1	12/15/14	3512.54	-	22.82	0.00	3489.72
RW - 1	12/18/14	3512.54	-	22.85	0.00	3489.69

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	12/22/14	3512.54	-	22.85	0.00	3489.69
RW - 1	12/29/14	3512.54	-	22.78	0.00	3489.76
RW - 1	01/05/15	3512.54	-	22.77	0.00	3489.77
RW - 1	01/12/15	3512.54	-	22.79	0.00	3489.75
RW - 1	01/19/15	3512.54	-	22.64	0.00	3489.90
RW - 1	02/04/15	3512.54	-	22.80	0.00	3489.74
RW - 1	02/09/15	3512.54	-	22.65	0.00	3489.89
RW - 1	02/19/15	3512.54	-	22.80	0.00	3489.74
RW - 1	03/03/15	3512.54	-	22.82	0.00	3489.72
RW - 1	03/09/15	3512.54	-	22.87	0.00	3489.67
RW - 1	03/16/15	3512.54	-	22.82	0.00	3489.72
RW - 1	03/20/15	3512.54	-	22.85	0.00	3489.69
RW - 1	03/23/15	3512.54	-	22.87	0.00	3489.67
RW - 1	03/30/15	3512.54	-	22.74	0.00	3489.80
RW - 1	04/04/15	3512.54	-	22.80	0.00	3489.74
RW - 1	04/07/15	3512.54	-	22.64	0.00	3489.90
RW - 1	04/14/15	3512.54	-	22.72	0.00	3489.82
RW - 1	04/20/15	3512.54	-	22.70	0.00	3489.84
RW - 1	04/27/15	3512.54	-	22.69	0.00	3489.85
RW - 1	05/07/15	3512.54	-	22.65	0.00	3489.89
RW - 1	05/11/15	3512.54	-	22.64	0.00	3489.90
RW - 1	05/21/15	3512.54	-	22.54	0.00	3490.00
RW - 1	05/27/15	3512.54	-	22.59	0.00	3489.95
RW - 1	05/28/15	3512.54	-	22.57	0.00	3489.97
RW - 1	06/03/15	3512.54	-	22.55	0.00	3489.99
RW - 1	06/08/15	3512.54	-	22.55	0.00	3489.99
RW - 1	06/15/15	3512.54	-	22.49	0.00	3490.05
RW - 1	06/25/15	3512.54	-	22.64	0.00	3489.90
RW - 1	06/29/15	3512.54	-	22.55	0.00	3489.99
RW - 1	07/08/15	3512.54	-	22.56	0.00	3489.98
RW - 1	07/09/15	3512.54	-	22.61	0.00	3489.93
RW - 1	07/14/15	3512.54	-	22.58	0.00	3489.96
RW - 1	07/20/15	3512.54	-	22.71	0.00	3489.83
RW - 1	07/28/15	3512.54	-	22.75	0.00	3489.79
RW - 1	08/03/15	3512.54	-	22.79	0.00	3489.75
RW - 1	08/04/15	3512.54	-	22.86	0.00	3489.68
RW - 1	08/10/15	3512.54	-	22.91	0.00	3489.63
RW - 1	08/17/15	3512.54	-	22.98	0.00	3489.56
RW - 1	08/25/15	3512.54	-	22.99	0.00	3489.55
RW - 1	08/31/15	3512.54	-	23.02	0.00	3489.52
RW - 1	09/08/15	3512.54	-	23.00	0.00	3489.54
RW - 1	09/15/15	3512.54	-	23.01	0.00	3489.53
RW - 1	09/24/15	3512.54	-	23.10	0.00	3489.44
RW - 1	09/28/15	3512.54	-	23.09	0.00	3489.45
RW - 1	10/06/15	3512.54	-	23.03	0.00	3489.51
RW - 1	10/12/15	3512.54	-	22.98	0.00	3489.56
RW - 1	10/26/15	3512.54	-	22.87	0.00	3489.67
RW - 1	11/06/15	3512.54	-	22.81	0.00	3489.73
RW - 1	11/10/15	3512.54	-	22.75	0.00	3489.79
RW - 1	11/18/15	3512.54	-	22.70	0.00	3489.84
RW - 1	12/02/15	3512.54	-	22.73	0.00	3489.81
RW - 1	12/07/15	3512.54	-	22.71	0.00	3489.83
RW - 1	12/14/15	3512.54	-	22.65	0.00	3489.89
RW - 1	01/05/16	3512.54	-	22.67	0.00	3489.87



**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	01/08/16	3512.54	-	22.60	0.00	3489.94
RW - 1	01/12/16	3512.54	-	22.64	0.00	3489.90
RW - 1	01/18/16	3512.54	-	22.63	0.00	3489.91
RW - 1	01/25/16	3512.54	-	22.63	0.00	3489.91
RW - 1	02/01/16	3512.54	-	22.57	0.00	3489.97
RW - 1	02/08/16	3512.54	-	22.64	0.00	3489.90
RW - 1	02/19/16	3512.54	-	22.56	0.00	3489.98
RW - 1	02/23/16	3512.54	-	22.53	0.00	3490.01
RW - 1	03/03/16	3512.54	-	22.55	0.00	3489.99
RW - 1	03/07/16	3512.54	-	22.51	0.00	3490.03
RW - 1	03/15/16	3512.54	-	22.53	0.00	3490.01
RW - 1	03/21/16	3512.54	-	22.40	0.00	3490.14
RW - 1	03/28/16	3512.54	-	22.48	0.00	3490.06
RW - 1	04/05/16	3512.54	-	22.44	0.00	3490.10
RW - 1	04/08/16	3512.54	-	22.47	0.00	3490.07
RW - 1	04/12/16	3512.54	-	22.46	0.00	3490.08
RW - 1	04/18/16	3512.54	-	22.46	0.00	3490.08
RW - 1	04/25/16	3512.54	-	22.40	0.00	3490.14
RW - 1	05/02/16	3512.54	-	22.42	0.00	3490.12
RW - 1	05/23/16	3512.54	-	22.39	0.00	3490.15
RW - 1	06/01/16	3512.54	-	22.50	0.00	3490.04
RW - 1	06/06/16	3512.54	-	22.46	0.00	3490.08
RW - 1	06/28/16	3512.54	-	22.65	0.00	3489.89
RW - 1	07/12/16	3512.54	-	22.81	0.00	3489.73
RW - 1	07/19/16	3512.54	-	22.85	0.00	3489.69
RW - 1	07/27/16	3512.54	-	22.92	0.00	3489.62
RW - 1	08/03/16	3512.54	-	22.93	0.00	3489.61
RW - 1	08/08/16	3512.54	-	23.00	0.00	3489.54
RW - 1	08/16/16	3512.54	-	23.05	0.00	3489.49
RW - 1	08/23/16	3512.54	-	23.07	0.00	3489.47
RW - 1	08/31/16	3512.54	-	22.87	0.00	3489.67
RW - 1	09/14/16	3512.54	-	22.26	0.00	3490.28
RW - 1	09/22/16	3512.54	-	22.11	0.00	3490.43
RW - 1	09/27/16	3512.54	-	21.95	0.00	3490.59
RW - 1	10/07/16	3512.54	-	21.87	0.00	3490.67
RW - 1	10/21/16	3512.54	-	21.92	0.00	3490.62
RW - 1	10/28/16	3512.54	-	21.93	0.00	3490.61
RW - 1	11/04/16	3512.54	-	21.98	0.00	3490.56
RW - 1	11/09/16	3512.54	-	21.97	0.00	3490.57
RW - 1	12/06/16	3512.54	-	21.95	0.00	3490.59
RW - 1	12/15/16	3512.54	-	22.15	0.00	3490.39
RW - 1	12/22/16	3512.54	-	22.11	0.00	3490.43
RW - 1	12/29/16	3512.54	-	22.15	0.00	3490.39
RW - 1	01/05/17	3512.54	-	21.98	0.00	3490.56
RW - 1	01/11/17	3512.54	-	22.02	0.00	3490.52
RW - 1	01/18/17	3512.54	-	22.00	0.00	3490.54
RW - 1	01/26/17	3512.54	-	22.07	0.00	3490.47
RW - 1	01/31/17	3512.54	-	22.02	0.00	3490.52
RW - 1	02/10/17	3512.54	-	22.07	0.00	3490.47
RW - 1	02/17/17	3512.54	-	22.01	0.00	3490.53
RW - 1	02/24/17	3512.54	-	22.02	0.00	3490.52
RW - 1	03/01/17	3512.54	-	22.01	0.00	3490.53
RW - 1	03/09/17	3512.54	-	22.18	0.00	3490.36
RW - 1	03/15/17	3512.54	-	22.04	0.00	3490.50

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	03/22/17	3512.54	-	22.10	0.00	3490.44
RW - 1	03/29/17	3512.54	-	22.42	0.00	3490.12
RW - 1	04/07/17	3512.54	-	22.33	0.00	3490.21
RW - 1	04/11/17	3512.54	-	21.97	0.00	3490.57
RW - 1	04/20/17	3512.54	-	21.94	0.00	3490.60
RW - 1	05/02/17	3512.54	-	21.92	0.00	3490.62
RW - 1	05/16/17	3512.54	-	21.93	0.00	3490.61
RW - 1	05/23/17	3512.54	-	22.00	0.00	3490.54
RW - 1	06/05/17	3512.54	-	22.05	0.00	3490.49
RW - 1	06/15/17	3512.54	-	22.21	0.00	3490.33
RW - 1	06/28/17	3512.54	-	22.25	0.00	3490.29
RW - 1	07/05/17	3512.54	-	22.36	0.00	3490.18
RW - 1	07/11/17	3512.54	-	22.39	0.00	3490.15
RW - 1	07/17/17	3512.54	-	22.42	0.00	3490.12
RW - 1	07/20/17	3512.54	-	22.46	0.00	3490.08
RW - 1	08/16/17	3512.54	-	22.38	0.00	3490.16
RW - 1	09/05/17	3512.54	-	22.21	0.00	3490.33
RW - 1	09/13/17	3512.54	-	22.18	0.00	3490.36
RW - 1	09/19/17	3512.54	-	22.26	0.00	3490.28
RW - 1	09/29/17	3512.54	-	22.30	0.00	3490.24
RW - 1	10/05/17	3512.54	-	22.32	0.00	3490.22
RW - 1	10/12/17	3512.54	-	22.14	0.00	3490.40
RW - 1	10/20/17	3512.54	-	22.13	0.00	3490.41
RW - 1	10/24/17	3512.54	-	22.15	0.00	3490.39
RW - 1	11/02/17	3512.54	-	22.13	0.00	3490.41
RW - 1	11/14/17	3512.54	-	22.19	0.00	3490.35
RW - 1	12/20/17	3512.54	-	22.04	0.00	3490.50
RW - 1	12/28/17	3512.54	-	22.18	0.00	3490.36
RW - 1	01/03/18	3512.54	-	22.06	0.00	3490.48
RW - 1	01/09/18	3512.54	-	22.03	0.00	3490.51
RW - 1	01/19/18	3512.54	-	22.01	0.00	3490.53
RW - 1	01/24/18	3512.54	-	22.06	0.00	3490.48
RW - 1	02/07/18	3512.54	-	22.06	0.00	3490.48
RW - 1	02/12/18	3512.54	-	22.01	0.00	3490.53
RW - 1	02/22/18	3512.54	-	22.01	0.00	3490.53
RW - 1	03/02/18	3512.54	-	22.01	0.00	3490.53
RW - 1	03/07/18	3512.54	-	22.02	0.00	3490.52
RW - 1	03/19/18	3512.54	-	22.19	0.00	3490.35
RW - 1	03/29/18	3512.54	-	22.01	0.00	3490.53
RW - 1	04/02/18	3512.54	-	21.96	0.00	3490.58
RW - 1	04/11/18	3512.54	-	22.06	0.00	3490.48
RW - 1	04/16/18	3512.54	-	21.98	0.00	3490.56
RW - 1	04/25/18	3512.54	-	22.01	0.00	3490.53
RW - 1	05/01/18	3512.54	-	21.96	0.00	3490.58
RW - 1	05/08/18	3512.54	-	21.97	0.00	3490.57
RW - 1	05/22/18	3512.54	-	22.20	0.00	3490.34
RW - 1	05/31/18	3512.54	-	22.27	0.00	3490.27
RW - 1	06/06/18	3512.54	-	22.72	0.00	3489.82
RW - 1	06/13/18	3512.54	-	21.40	0.00	3491.14
RW - 1	06/18/18	3512.54	-	22.47	0.00	3490.07
RW - 1	06/25/18	3512.54	-	22.47	0.00	3490.07
RW - 1	07/02/18	3512.54	-	22.52	0.00	3490.02
RW - 1	07/11/18	3512.54	-	22.72	0.00	3489.82
RW - 1	07/19/18	3512.54	-	22.61	0.00	3489.93

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	07/27/18	3512.54	-	22.65	0.00	3489.89
RW - 1	08/08/18	3512.54	-	22.92	0.00	3489.62
RW - 1	08/30/18	3512.54	-	22.85	0.00	3489.69
RW - 1	09/12/18	3512.54	-	22.96	0.00	3489.58
RW - 1	09/20/18	3512.54	-	22.79	0.00	3489.75
RW - 1	09/26/18	3512.54	-	22.98	0.00	3489.56
RW - 1	10/03/18	3512.54	-	22.75	0.00	3489.79
RW - 1	10/19/18	3512.54	-	22.76	0.00	3489.78
RW - 1	10/31/18	3512.54	-	22.60	0.00	3489.94
RW - 1	11/06/18	3512.54	-	22.67	0.00	3489.87
RW - 1	11/13/18	3512.54	-	22.83	0.00	3489.71
RW - 1	12/03/18	3512.54	-	22.52	0.00	3490.02
RW - 1	12/19/18	3512.54	-	22.43	0.00	3490.11
RW - 1	12/27/18	3512.54	-	22.41	0.00	3490.13
RW - 1	01/03/19	3512.54	-	22.68	0.00	3489.86
RW - 1	01/09/19	3512.54	-	22.52	0.00	3490.02
RW - 1	01/16/19	3512.54	-	22.47	0.00	3490.07
RW - 1	02/06/19	3512.54	-	22.51	0.00	3490.03
RW - 1	02/13/19	3512.54	-	22.48	0.00	3490.06
RW - 1	02/28/19	3512.54	-	22.46	0.00	3490.08
RW - 1	03/06/19	3512.54	-	22.52	0.00	3490.02
RW - 1	03/12/19	3512.54	-	22.39	0.00	3490.15
RW - 1	03/19/19	3512.54	-	22.45	0.00	3490.09
RW - 1	03/28/19	3512.54	-	22.45	0.00	3490.09
RW - 1	04/01/19	3512.54	-	22.71	0.00	3489.83
RW - 1	04/10/19	3512.54	-	22.28	0.00	3490.26
RW - 1	04/17/19	3512.54	-	22.37	0.00	3490.17
RW - 1	04/24/19	3512.54	-	22.36	0.00	3490.18
RW - 1	05/01/19	3512.54	-	22.36	0.00	3490.18
RW - 1	05/08/19	3512.54	-	22.43	0.00	3490.11
RW - 1	06/14/19	3512.54	-	22.70	0.00	3489.84
RW - 1	07/11/19	3512.54	-	22.67	0.00	3489.87
RW - 1	08/08/19	3512.54	-	23.05	0.00	3489.49
RW - 1	09/12/19	3512.54	-	23.02	0.00	3489.52
RW - 1	09/17/19	3512.54	-	23.01	0.00	3489.53
RW - 1	10/15/19	3512.54	-	22.90	0.00	3489.64
RW - 1	11/06/19	3512.54	-	22.93	0.00	3489.61
RW - 1	12/17/19	3512.54	-	22.62	0.00	3489.92
RW - 1	01/06/20	3512.54	-	22.56	0.00	3489.98
RW - 1	01/23/20	3512.54	-	22.54	0.00	3490.00
RW - 1	01/29/20	3512.54	-	22.50	0.00	3490.04
RW - 1	03/04/20	3512.54	-	22.51	0.00	3490.03
RW - 1	05/14/20	3512.54	-	22.28	0.00	3490.26
RW - 1	05/21/20	3512.54	-	22.28	0.00	3490.26
RW - 1	06/18/20	3512.54	-	22.59	0.00	3489.95
RW - 1	07/01/20	3512.54	-	22.72	0.00	3489.82
RW - 1	07/21/20	3512.54	-	22.94	0.00	3489.60
RW - 1	08/13/20	3512.54	-	23.07	0.00	3489.47
RW - 1	09/14/20	3512.54	-	23.18	0.00	3489.36
RW - 1	12/10/20	3512.54	-	23.30	0.00	3489.24
RW - 1	01/13/21	3512.54	-	23.27	0.00	3489.27
RW - 1	02/11/21	3512.54	-	23.26	0.00	3489.28
RW - 1	04/21/21	3512.54	-	23.12	0.00	3489.42
RW - 1	06/10/21	3512.54	-	23.17	0.00	3489.37

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 1	07/31/21	3512.54	-	23.21	0.00	3489.33
RW - 1	08/31/21	3512.54	-	23.37	0.00	3489.17
RW - 1	09/23/21	3512.54	-	23.34	0.00	3489.20
RW - 1	10/14/21	3512.54	-	23.42	0.00	3489.12
RW - 1	10/28/21	3512.54	-	23.45	0.00	3489.09
RW - 1	12/06/21	3512.54	-	23.54	0.00	3489.00
RW - 1	03/16/22	3512.54	-	23.41	0.00	3489.13
RW - 1	04/20/22	3512.54	-	23.40	0.00	3489.14
RW - 1	05/10/22	3512.54	-	23.49	0.00	3489.05
RW - 1	08/16/22	3512.54	-	23.79	0.00	3488.75
RW - 1	11/10/22	3512.54	-	23.65	0.00	3488.89
RW - 2	11/06/02	3507.45	-	20.20	0.00	3487.25
RW - 2	11/12/02	3507.45	-	19.81	0.00	3487.64
RW - 2	01/07/03	3507.45	-	19.61	0.00	3487.84
RW - 2	01/27/03	3507.45	-	19.48	0.00	3487.97
RW - 2	03/11/03	3507.45	19.44	19.45	0.01	3488.01
RW - 2	03/19/03	3507.45	19.21	19.50	0.29	3488.20
RW - 2	04/16/03	3507.45	19.51	19.52	0.01	3487.94
RW - 2	04/29/03	3507.45	19.39	19.41	0.02	3488.06
RW - 2	05/14/03	3507.45	19.63	19.78	0.15	3487.80
RW - 2	05/20/03	3507.45	19.81	19.86	0.05	3487.63
RW - 2	05/27/03	3507.45	-	19.79	0.00	3487.66
RW - 2	06/04/03	3507.45	19.64	19.65	0.01	3487.81
RW - 2	07/07/03	3507.45	20.12	20.13	0.01	3487.33
RW - 2	07/30/03	3507.45	-	20.21	0.00	3487.24
RW - 2	08/06/03	3507.45	-	20.44	0.00	3487.01
RW - 2	08/21/03	3507.45	sheen	20.56	0.00	3486.89
RW - 2	08/27/03	3507.45	-	20.93	0.00	3486.52
RW - 2	09/08/03	3507.45	-	20.47	0.00	3486.98
RW - 2	09/15/03	3507.45	-	20.70	0.00	3486.75
RW - 2	09/24/03	3507.45	-	20.82	0.00	3486.63
RW - 2	10/02/03	3507.45	-	20.71	0.00	3486.74
RW - 2	10/08/03	3507.45	-	20.52	0.00	3486.93
RW - 2	10/16/03	3507.45	-	20.92	0.00	3486.53
RW - 2	10/28/03	3507.45	-	21.00	0.00	3486.45
RW - 2	11/11/03	3507.45	-	21.09	0.00	3486.36
RW - 2	11/18/03	3507.45	-	20.96	0.00	3486.49
RW - 2	12/10/03	3507.45	20.53	20.68	0.15	3486.90
RW - 2	02/02/04	3507.45	-	20.92	0.00	3486.53
RW - 2	02/26/04	3507.45	-	20.49	0.00	3486.96
RW - 2	03/16/04	3507.45	-	20.74	0.00	3486.71
RW - 2	03/19/04	3507.45	-	20.71	0.00	3486.74
RW - 2	03/25/04	3507.45	-	20.69	0.00	3486.76
RW - 2	04/01/04	3507.45	-	20.56	0.00	3486.89
RW - 2	04/08/04	3507.45	-	20.57	0.00	3486.88
RW - 2	04/14/04	3507.45	-	19.60	0.00	3487.85
RW - 2	04/16/04	3507.45	-	19.80	0.00	3487.65
RW - 2	04/22/04	3507.45	-	19.06	0.00	3488.39
RW - 2	04/29/04	3507.45	-	19.11	0.00	3488.34
RW - 2	05/11/04	3507.45	-	19.46	0.00	3487.99
RW - 2	06/08/04	3507.45	19.42	19.43	0.01	3488.03
RW - 2	06/17/04	3507.45	-	19.38	0.00	3488.07
RW - 2	06/22/04	3507.45	-	19.44	0.00	3488.01

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	06/29/04	3507.45	-	19.41	0.00	3488.04
RW - 2	07/06/04	3507.45	19.21	19.41	0.20	3488.21
RW - 2	07/13/04	3507.45	19.26	19.43	0.17	3488.16
RW - 2	07/20/04	3507.45	19.46	19.89	0.43	3487.93
RW - 2	08/04/04	3507.45	19.48	19.88	0.40	3487.91
RW - 2	08/10/04	3507.45	19.46	19.87	0.41	3487.93
RW - 2	08/16/04	3507.45	19.77	20.03	0.26	3487.64
RW - 2	08/23/04	3507.45	sheen	19.54	0.00	3487.91
RW - 2	08/25/04	3507.45	19.45	19.87	0.42	3487.94
RW - 2	08/26/04	3507.45	19.55	19.97	0.42	3487.84
RW - 2	08/31/04	3507.45	sheen	19.58	0.00	3487.87
RW - 2	09/13/04	3507.45	sheen	20.03	0.00	3487.42
RW - 2	09/20/04	3507.45	sheen	20.02	0.00	3487.43
RW - 2	09/30/04	3507.45	sheen	20.00	0.00	3487.45
RW - 2	10/04/04	3507.45	sheen	19.47	0.00	3487.98
RW - 2	10/11/04	3507.45	18.95	18.97	0.02	3488.50
RW - 2	10/18/04	3507.45	sheen	19.10	0.00	3488.35
RW - 2	10/26/04	3507.45	sheen	19.22	0.00	3488.23
RW - 2	11/02/04	3507.45	19.03	19.10	0.07	3488.41
RW - 2	11/08/04	3507.45	sheen	19.16	0.00	3488.29
RW - 2	11/15/04	3507.45	18.95	19.15	0.20	3488.47
RW - 2	12/01/04	3507.45	18.87	19.26	0.39	3488.52
RW - 2	12/03/04	3507.45	18.87	19.26	0.39	3488.52
RW - 2	12/14/04	3507.45	sheen	18.80	0.00	3488.65
RW - 2	12/21/04	3507.45	sheen	18.78	0.00	3488.67
RW - 2	12/29/04	3507.45	sheen	18.81	0.00	3488.64
RW - 2	01/11/05	3507.45	sheen	18.69	0.00	3488.76
RW - 2	01/14/05	3507.45	sheen	18.65	0.00	3488.80
RW - 2	01/18/05	3507.45	sheen	18.69	0.00	3488.76
RW - 2	01/21/05	3507.45	sheen	18.64	0.00	3488.81
RW - 2	01/25/05	3507.45	sheen	18.60	0.00	3488.85
RW - 2	01/28/05	3507.45	sheen	18.55	0.00	3488.90
RW - 2	02/02/05	3507.45	sheen	18.53	0.00	3488.92
RW - 2	02/05/05	3507.45	sheen	18.50	0.00	3488.95
RW - 2	02/08/05	3507.45	sheen	18.47	0.00	3488.98
RW - 2	02/11/05	3507.45	sheen	18.50	0.00	3488.95
RW - 2	02/15/05	3507.45	sheen	18.66	0.00	3488.79
RW - 2	02/18/05	3507.45	sheen	18.64	0.00	3488.81
RW - 2	02/22/05	3507.45	sheen	18.42	0.00	3489.03
RW - 2	02/25/05	3507.45	sheen	18.49	0.00	3488.96
RW - 2	03/01/05	3507.45	sheen	18.43	0.00	3489.02
RW - 2	03/04/05	3507.45	sheen	18.35	0.00	3489.10
RW - 2	03/08/05	3507.45	-	18.33	0.00	3489.12
RW - 2	03/08/05	3507.45	sheen	18.33	0.00	3489.12
RW - 2	03/11/05	3507.45	sheen	18.36	0.00	3489.09
RW - 2	03/15/05	3507.45	sheen	18.31	0.00	3489.14
RW - 2	03/18/05	3507.45	sheen	18.30	0.00	3489.15
RW - 2	03/22/05	3507.45	sheen	18.21	0.00	3489.24
RW - 2	03/28/05	3507.45	sheen	18.25	0.00	3489.20
RW - 2	04/01/05	3507.45	sheen	18.26	0.00	3489.19
RW - 2	04/05/05	3507.45	sheen	18.15	0.00	3489.30
RW - 2	04/08/05	3507.45	sheen	18.18	0.00	3489.27
RW - 2	04/12/05	3507.45	sheen	18.18	0.00	3489.27
RW - 2	04/15/05	3507.45	sheen	18.16	0.00	3489.29

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	05/25/05	3507.45	sheen	18.00	0.00	3489.45
RW - 2	05/27/05	3507.45	sheen	17.98	0.00	3489.47
RW - 2	05/31/05	3507.45	sheen	17.89	0.00	3489.56
RW - 2	06/03/05	3507.45	sheen	17.88	0.00	3489.57
RW - 2	06/06/05	3507.45	sheen	17.86	0.00	3489.59
RW - 2	06/08/05	3507.45	sheen	17.86	0.00	3489.59
RW - 2	06/13/05	3507.45	sheen	17.86	0.00	3489.59
RW - 2	06/20/05	3507.45	sheen	17.89	0.00	3489.56
RW - 2	06/24/05	3507.45	sheen	17.96	0.00	3489.49
RW - 2	06/27/05	3507.45	sheen	17.89	0.00	3489.56
RW - 2	07/11/05	3507.45	17.91	17.92	0.01	3489.54
RW - 2	07/15/05	3507.45	sheen	17.95	0.00	3489.50
RW - 2	07/18/05	3507.45	sheen	18.10	0.00	3489.35
RW - 2	07/21/05	3507.45	sheen	18.13	0.00	3489.32
RW - 2	07/25/05	3507.45	sheen	18.24	0.00	3489.21
RW - 2	08/01/05	3507.45	sheen	18.13	0.00	3489.32
RW - 2	08/04/05	3507.45	sheen	18.15	0.00	3489.30
RW - 2	08/12/05	3507.45	sheen	18.26	0.00	3489.19
RW - 2	08/23/05	3507.45	17.97	18.03	0.06	3489.47
RW - 2	08/30/05	3507.45	17.95	18.00	0.05	3489.49
RW - 2	09/15/05	3507.45	17.99	18.11	0.12	3489.44
RW - 2	09/19/05	3507.45	17.98	18.13	0.15	3489.45
RW - 2	09/27/05	3507.45	17.96	18.13	0.17	3489.46
RW - 2	10/03/05	3507.45	17.99	18.20	0.21	3489.43
RW - 2	10/10/05	3507.45	18.00	18.17	0.17	3489.42
RW - 2	10/17/05	3507.45	17.89	18.00	0.11	3489.54
RW - 2	10/24/05	3507.45	17.86	17.97	0.11	3489.57
RW - 2	11/15/05	3507.45	17.95	18.04	0.09	3489.49
RW - 2	11/22/05	3507.45	17.86	18.08	0.22	3489.56
RW - 2	12/12/05	3507.45	17.78	17.91	0.13	3489.65
RW - 2	12/16/05	3507.45	17.78	17.90	0.12	3489.65
RW - 2	12/22/05	3507.45	17.81	17.93	0.12	3489.62
RW - 2	12/27/05	3507.45	17.82	18.03	0.21	3489.60
RW - 2	01/03/06	3507.45	17.80	18.00	0.20	3489.62
RW - 2	01/09/06	3507.45	17.85	18.11	0.26	3489.56
RW - 2	01/16/06	3507.45	17.80	17.93	0.13	3489.63
RW - 2	01/23/06	3507.45	17.85	17.97	0.12	3489.58
RW - 2	01/30/06	3507.45	17.89	17.95	0.06	3489.55
RW - 2	02/06/06	3507.45	17.75	17.95	0.20	3489.67
RW - 2	02/14/06	3507.45	17.85	17.99	0.14	3489.58
RW - 2	02/21/06	3507.45	17.73	17.97	0.24	3489.68
RW - 2	03/01/06	3507.45	17.73	18.00	0.27	3489.68
RW - 2	03/06/06	3507.45	17.75	17.90	0.15	3489.68
RW - 2	03/16/06	3507.45	17.89	18.18	0.29	3489.52
RW - 2	03/21/06	3507.45	17.81	18.08	0.27	3489.60
RW - 2	03/28/06	3507.45	17.83	18.04	0.21	3489.59
RW - 2	04/03/06	3507.45	17.75	17.84	0.09	3489.69
RW - 2	04/10/06	3507.45	17.66	17.71	0.05	3489.78
RW - 2	04/17/06	3507.45	17.65	17.73	0.08	3489.79
RW - 2	05/01/06	3507.45	17.71	17.75	0.04	3489.73
RW - 2	05/08/06	3507.45	17.73	17.95	0.22	3489.69
RW - 2	05/15/06	3507.45	17.80	17.91	0.11	3489.63
RW - 2	05/30/06	3507.45	17.90	18.07	0.17	3489.52
RW - 2	06/05/06	3507.45	18.02	18.76	0.74	3489.32

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	06/12/06	3507.45	18.21	18.36	0.15	3489.22
RW - 2	06/15/06	3507.45	18.12	18.19	0.07	3489.32
RW - 2	06/19/06	3507.45	18.21	18.31	0.10	3489.23
RW - 2	07/03/06	3507.45	18.21	18.32	0.11	3489.22
RW - 2	07/10/06	3507.45	18.31	18.35	0.04	3489.13
RW - 2	07/17/06	3507.45	sheen	18.13	0.00	3489.32
RW - 2	07/26/06	3507.45	18.30	18.35	0.05	3489.14
RW - 2	07/31/06	3507.45	18.29	18.34	0.05	3489.15
RW - 2	08/07/06	3507.45	18.38	18.64	0.26	3489.03
RW - 2	08/17/06	3507.45	17.19	17.25	0.06	3490.25
RW - 2	08/21/06	3507.45	sheen	18.18	0.00	3489.27
RW - 2	09/06/06	3507.45	17.88	17.92	0.04	3489.56
RW - 2	09/11/06	3507.45	17.86	17.98	0.12	3489.57
RW - 2	09/18/06	3507.45	17.84	17.93	0.09	3489.60
RW - 2	09/25/06	3507.45	17.90	18.35	0.45	3489.48
RW - 2	10/02/06	3507.45	17.88	18.32	0.44	3489.50
RW - 2	10/09/06	3507.45	17.95	18.52	0.57	3489.41
RW - 2	10/17/06	3507.45	17.90	18.40	0.50	3489.48
RW - 2	10/23/06	3507.45	17.93	18.05	0.12	3489.50
RW - 2	10/30/06	3507.45	17.91	18.03	0.12	3489.52
RW - 2	11/06/06	3507.45	18.00	18.10	0.10	3489.44
RW - 2	11/13/06	3507.45	18.01	18.07	0.06	3489.43
RW - 2	11/20/06	3507.45	17.94	18.05	0.11	3489.49
RW - 2	11/27/06	3507.45	17.99	18.05	0.06	3489.45
RW - 2	11/30/06	3507.45	17.97	18.17	0.20	3489.45
RW - 2	12/04/06	3507.45	17.96	18.01	0.05	3489.48
RW - 2	12/12/06	3507.45	17.99	18.19	0.20	3489.43
RW - 2	12/18/06	3507.45	17.89	18.00	0.11	3489.54
RW - 2	01/02/07	3507.45	17.85	18.00	0.15	3489.58
RW - 2	01/11/07	3507.45	17.88	17.93	0.05	3489.56
RW - 2	01/18/07	3507.45	17.82	18.10	0.28	3489.59
RW - 2	01/22/07	3507.45	17.82	18.05	0.23	3489.60
RW - 2	02/05/07	3507.45	17.82	17.93	0.11	3489.61
RW - 2	02/12/07	3507.45	17.72	17.78	0.06	3489.72
RW - 2	02/19/07	3507.45	17.74	17.80	0.06	3489.70
RW - 2	02/27/07	3507.45	17.79	18.06	0.27	3489.62
RW - 2	03/05/07	3507.45	17.84	18.18	0.34	3489.56
RW - 2	03/12/07	3507.45	17.85	17.86	0.01	3489.60
RW - 2	03/19/07	3507.45	17.82	17.86	0.04	3489.62
RW - 2	04/02/07	3507.45	17.71	17.92	0.21	3489.71
RW - 2	04/09/07	3507.45	17.66	17.71	0.05	3489.78
RW - 2	05/01/07	3507.45	17.65	17.67	0.02	3489.80
RW - 2	05/12/07	3507.45	17.66	17.67	0.01	3489.79
RW - 2	05/17/07	3507.45	17.54	17.55	0.01	3489.91
RW - 2	05/21/07	3507.45	17.50	17.53	0.03	3489.95
RW - 2	05/22/07	3507.45	17.50	17.53	0.03	3489.95
RW - 2	06/01/07	3507.45	16.76	17.03	0.27	3490.65
RW - 2	06/06/07	3507.45	17.49	17.56	0.07	3489.95
RW - 2	06/11/07	3507.45	17.61	18.64	1.03	3489.69
RW - 2	06/19/07	3507.45	17.68	17.69	0.01	3489.77
RW - 2	06/25/07	3507.45	sheen	17.70	0.00	3489.75
RW - 2	07/03/07	3507.45	sheen	17.94	0.00	3489.51
RW - 2	07/18/07	3507.45	18.00	18.06	0.06	3489.44
RW - 2	07/23/07	3507.45	18.07	18.20	0.13	3489.36

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	07/31/07	3507.45	sheen	18.35	0.00	3489.10
RW - 2	08/15/07	3507.45	sheen	18.26	0.00	3489.19
RW - 2	09/24/07	3507.45	sheen	18.14	0.00	3489.31
RW - 2	11/05/07	3507.45	sheen	18.17	0.00	3489.28
RW - 2	11/06/07	3507.45	sheen	18.19	0.00	3489.26
RW - 2	11/12/07	3507.45	sheen	18.17	0.00	3489.28
RW - 2	11/30/07	3507.45	sheen	18.21	0.00	3489.24
RW - 2	12/14/07	3507.45	sheen	18.08	0.00	3489.37
RW - 2	01/09/08	3507.45	sheen	17.94	0.00	3489.51
RW - 2	01/16/08	3507.45	sheen	17.89	0.00	3489.56
RW - 2	01/21/08	3507.45	sheen	18.01	0.00	3489.44
RW - 2	01/30/08	3507.45	sheen	17.89	0.00	3489.56
RW - 2	02/08/08	3507.45	sheen	17.92	0.00	3489.53
RW - 2	02/12/08	3507.45	17.88	17.89	0.01	3489.57
RW - 2	02/14/08	3507.45	sheen	17.97	0.00	3489.48
RW - 2	02/20/08	3507.45	sheen	17.88	0.00	3489.57
RW - 2	02/28/08	3507.45	sheen	17.98	0.00	3489.47
RW - 2	03/05/08	3507.45	sheen	17.98	0.00	3489.47
RW - 2	03/13/08	3507.45	sheen	17.96	0.00	3489.49
RW - 2	03/19/08	3507.45	sheen	17.98	0.00	3489.47
RW - 2	03/24/08	3507.45	sheen	18.92	0.00	3488.53
RW - 2	04/02/08	3507.45	sheen	17.90	0.00	3489.55
RW - 2	04/14/08	3507.45	sheen	17.92	0.00	3489.53
RW - 2	05/07/08	3507.45	sheen	17.87	0.00	3489.58
RW - 2	05/13/08	3507.45	sheen	17.86	0.00	3489.59
RW - 2	05/14/08	3507.45	sheen	17.97	0.00	3489.48
RW - 2	06/09/08	3507.45	sheen	18.14	0.00	3489.31
RW - 2	06/16/08	3507.45	sheen	17.84	0.00	3489.61
RW - 2	06/23/08	3507.45	sheen	18.32	0.00	3489.13
RW - 2	06/30/08	3507.45	18.45	18.52	0.07	3488.99
RW - 2	07/14/08	3507.45	sheen	18.56	0.00	3488.89
RW - 2	07/29/08	3507.45	sheen	18.59	0.00	3488.86
RW - 2	08/04/08	3507.45	sheen	18.61	0.00	3488.84
RW - 2	08/14/08	3507.45	sheen	18.60	0.00	3488.85
RW - 2	08/18/08	3507.45	sheen	18.74	0.00	3488.71
RW - 2	08/28/08	3507.45	sheen	18.63	0.00	3488.82
RW - 2	09/17/08	3507.45	sheen	18.45	0.00	3489.00
RW - 2	09/29/08	3507.45	sheen	18.35	0.00	3489.10
RW - 2	10/06/08	3507.45	sheen	18.30	0.00	3489.15
RW - 2	10/13/08	3507.45	sheen	18.41	0.00	3489.04
RW - 2	10/20/08	3507.45	sheen	18.23	0.00	3489.22
RW - 2	10/29/08	3507.45	sheen	18.15	0.00	3489.30
RW - 2	11/06/08	3507.45	sheen	18.25	0.00	3489.20
RW - 2	11/12/08	3507.45	sheen	18.28	0.00	3489.17
RW - 2	11/13/08	3507.45	sheen	18.28	0.00	3489.17
RW - 2	12/22/08	3507.45	sheen	18.23	0.00	3489.22
RW - 2	01/06/09	3507.45	-	18.19	0.00	3489.26
RW - 2	01/12/09	3507.45	-	18.12	0.00	3489.33
RW - 2	01/19/09	3507.45	-	18.07	0.00	3489.38
RW - 2	01/26/09	3507.45	-	18.08	0.00	3489.37
RW - 2	02/10/09	3507.45	-	18.13	0.00	3489.32
RW - 2	02/13/09	3507.45	-	18.12	0.00	3489.33
RW - 2	02/16/09	3507.45	-	18.08	0.00	3489.37
RW - 2	02/24/09	3507.45	-	18.13	0.00	3489.32



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	03/02/09	3507.45	-	18.07	0.00	3489.38
RW - 2	03/05/09	3507.45	-	18.09	0.00	3489.36
RW - 2	03/09/09	3507.45	-	18.06	0.00	3489.39
RW - 2	03/16/09	3507.45	-	18.04	0.00	3489.41
RW - 2	03/19/09	3507.45	-	18.09	0.00	3489.36
RW - 2	03/25/09	3507.45	-	18.09	0.00	3489.36
RW - 2	03/30/09	3507.45	-	18.09	0.00	3489.36
RW - 2	04/13/09	3507.45	-	18.02	0.00	3489.43
RW - 2	04/16/09	3507.45	-	18.11	0.00	3489.34
RW - 2	04/21/09	3507.45	-	18.13	0.00	3489.32
RW - 2	04/27/09	3507.45	-	18.08	0.00	3489.37
RW - 2	04/30/09	3507.45	-	18.15	0.00	3489.30
RW - 2	05/06/09	3507.45	-	18.17	0.00	3489.28
RW - 2	05/12/09	3507.45	-	17.92	0.00	3489.53
RW - 2	05/19/09	3507.45	-	18.08	0.00	3489.37
RW - 2	05/26/09	3507.45	-	18.10	0.00	3489.35
RW - 2	06/01/09	3507.45	-	18.37	0.00	3489.08
RW - 2	06/12/09	3507.45	-	18.23	0.00	3489.22
RW - 2	06/15/09	3507.45	-	18.43	0.00	3489.02
RW - 2	06/22/09	3507.45	-	18.40	0.00	3489.05
RW - 2	06/24/09	3507.45	-	18.40	0.00	3489.05
RW - 2	06/29/09	3507.45	-	18.48	0.00	3488.97
RW - 2	07/06/09	3507.45	-	18.51	0.00	3488.94
RW - 2	07/09/09	3507.45	-	18.08	0.00	3489.37
RW - 2	07/13/09	3507.45	-	18.10	0.00	3489.35
RW - 2	07/20/09	3507.45	-	18.12	0.00	3489.33
RW - 2	07/23/09	3507.45	-	18.67	0.00	3488.78
RW - 2	07/27/09	3507.45	-	18.68	0.00	3488.77
RW - 2	07/29/09	3507.45	-	18.28	0.00	3489.17
RW - 2	08/03/09	3507.45	-	18.45	0.00	3489.00
RW - 2	08/10/09	3507.45	-	18.53	0.00	3488.92
RW - 2	08/10/09	3507.45	-	18.53	0.00	3488.92
RW - 2	08/18/09	3507.45	-	18.74	0.00	3488.71
RW - 2	08/24/09	3507.45	-	18.71	0.00	3488.74
RW - 2	08/28/09	3507.45	-	18.73	0.00	3488.72
RW - 2	08/31/09	3507.45	-	18.74	0.00	3488.71
RW - 2	09/02/09	3507.45	-	18.76	0.00	3488.69
RW - 2	09/08/09	3507.45	-	18.85	0.00	3488.60
RW - 2	09/10/09	3507.45	-	18.82	0.00	3488.63
RW - 2	09/16/09	3507.45	-	18.84	0.00	3488.61
RW - 2	09/18/09	3507.45	-	18.82	0.00	3488.63
RW - 2	09/22/09	3507.45	-	18.94	0.00	3488.51
RW - 2	09/28/09	3507.45	-	18.75	0.00	3488.70
RW - 2	10/09/09	3507.45	-	18.93	0.00	3488.52
RW - 2	10/12/09	3507.45	-	18.12	0.00	3489.33
RW - 2	10/20/09	3507.45	-	18.99	0.00	3488.46
RW - 2	10/26/09	3507.45	-	18.13	0.00	3489.32
RW - 2	10/28/09	3507.45	-	18.95	0.00	3488.50
RW - 2	11/03/09	3507.45	-	18.93	0.00	3488.52
RW - 2	11/12/09	3507.45	-	18.92	0.00	3488.53
RW - 2	11/18/09	3507.45	-	18.98	0.00	3488.47
RW - 2	12/03/09	3507.45	sheen	18.89	0.00	3488.56
RW - 2	12/11/09	3507.45	sheen	18.86	0.00	3488.59
RW - 2	12/16/09	3507.45	sheen	18.79	0.00	3488.66

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	12/21/09	3507.45	sheen	18.91	0.00	3488.54
RW - 2	12/28/09	3507.45	sheen	19.02	0.00	3488.43
RW - 2	01/04/09	3507.45	sheen	18.89	0.00	3488.56
RW - 2	01/14/10	3507.45	sheen	18.85	0.00	3488.60
RW - 2	01/20/10	3507.45	sheen	18.71	0.00	3488.74
RW - 2	01/25/10	3507.45	sheen	18.94	0.00	3488.51
RW - 2	01/27/10	3507.45	sheen	18.70	0.00	3488.75
RW - 2	02/01/10	3507.45	sheen	18.64	0.00	3488.81
RW - 2	02/08/10	3507.45	sheen	18.72	0.00	3488.73
RW - 2	02/09/10	3507.45	sheen	18.80	0.00	3488.65
RW - 2	02/19/10	3507.45	sheen	18.61	0.00	3488.84
RW - 2	02/26/10	3507.45	sheen	18.64	0.00	3488.81
RW - 2	03/01/10	3507.45	sheen	18.94	0.00	3488.51
RW - 2	03/04/10	3507.45	sheen	18.65	0.00	3488.80
RW - 2	03/08/10	3507.45	sheen	18.66	0.00	3488.79
RW - 2	03/11/10	3507.45	sheen	18.48	0.00	3488.97
RW - 2	03/15/10	3507.45	sheen	18.66	0.00	3488.79
RW - 2	03/17/10	3507.45	sheen	18.52	0.00	3488.93
RW - 2	03/22/10	3507.45	sheen	18.43	0.00	3489.02
RW - 2	03/29/10	3507.45	sheen	18.40	0.00	3489.05
RW - 2	04/05/10	3507.45	sheen	18.49	0.00	3488.96
RW - 2	04/14/10	3507.45	sheen	18.49	0.00	3488.96
RW - 2	04/16/10	3507.45	sheen	18.39	0.00	3489.06
RW - 2	04/19/10	3507.45	sheen	18.46	0.00	3488.99
RW - 2	04/28/10	3507.45	sheen	18.38	0.00	3489.07
RW - 2	05/05/10	3507.45	sheen	18.29	0.00	3489.16
RW - 2	05/12/10	3507.45	sheen	18.35	0.00	3489.10
RW - 2	05/14/10	3507.45	sheen	18.37	0.00	3489.08
RW - 2	05/21/10	3507.45	sheen	18.37	0.00	3489.08
RW - 2	05/26/10	3507.45	sheen	18.36	0.00	3489.09
RW - 2	06/04/10	3507.45	sheen	18.39	0.00	3489.06
RW - 2	06/07/10	3507.45	sheen	18.53	0.00	3488.92
RW - 2	06/12/10	3507.45	sheen	18.53	0.00	3488.92
RW - 2	06/24/10	3507.45	sheen	18.66	0.00	3488.79
RW - 2	07/07/10	3507.45	sheen	18.12	0.00	3489.33
RW - 2	07/12/10	3507.45	sheen	17.98	0.00	3489.47
RW - 2	07/19/10	3507.45	sheen	17.95	0.00	3489.50
RW - 2	08/03/10	3507.45	-	17.99	0.00	3489.46
RW - 2	08/11/10	3507.45	sheen	18.01	0.00	3489.44
RW - 2	08/19/10	3507.45	sheen	17.89	0.00	3489.56
RW - 2	08/25/10	3507.45	sheen	17.99	0.00	3489.46
RW - 2	09/01/10	3507.45	sheen	18.09	0.00	3489.36
RW - 2	09/09/10	3507.45	sheen	18.14	0.00	3489.31
RW - 2	09/13/10	3507.45	sheen	18.01	0.00	3489.44
RW - 2	09/29/10	3507.45	sheen	18.30	0.00	3489.15
RW - 2	10/05/10	3507.45	sheen	18.03	0.00	3489.42
RW - 2	10/20/10	3507.45	sheen	18.07	0.00	3489.38
RW - 2	10/25/10	3507.45	sheen	18.08	0.00	3489.37
RW - 2	11/03/10	3507.45	sheen	17.98	0.00	3489.47
RW - 2	11/10/10	3507.45	sheen	18.40	0.00	3489.05
RW - 2	11/12/10	3507.45	sheen	18.40	0.00	3489.05
RW - 2	12/09/10	3507.45	sheen	18.03	0.00	3489.42
RW - 2	01/18/11	3507.45	sheen	18.40	0.00	3489.05
RW - 2	02/16/11	3507.45	sheen	18.42	0.00	3489.03

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 2	03/01/11	3507.45	sheen	18.26	0.00	3489.19
RW - 2	03/07/11	3507.45	sheen	18.20	0.00	3489.25
RW - 2	03/22/11	3507.45	sheen	18.42	0.00	3489.03
RW - 2	04/27/11	3507.45	sheen	18.28	0.00	3489.17
RW - 2	05/05/11	3507.45	sheen	18.30	0.00	3489.15
RW - 2	05/19/11	3507.45	sheen	18.46	0.00	3488.99
RW - 2	06/08/11	3507.45	sheen	18.63	0.00	3488.82
RW - 2	07/06/11	3507.45	sheen	18.77	0.00	3488.68
RW - 2	07/14/11	3507.45	sheen	18.89	0.00	3488.56
RW - 2	07/20/11	3507.45	-	18.83	0.00	3488.62
RW - 2	07/27/11	3507.45	-	18.93	0.00	3488.52
RW - 2	08/03/11	3507.45	-	18.84	0.00	3488.61
RW - 2	08/10/11	3507.45	-	19.07	0.00	3488.38
RW - 2	08/18/11	3507.45	-	18.88	0.00	3488.57
RW - 2	08/25/11	3507.45	-	18.92	0.00	3488.53
RW - 2	09/07/11	3507.45	-	19.00	0.00	3488.45
RW - 2	09/14/11	3507.45	-	19.17	0.00	3488.28
RW - 2	11/14/11	3507.45	-	19.06	0.00	3488.39
RW - 2	12/01/11	3507.45	-	18.99	0.00	3488.46
RW - 2	12/08/11	3507.45	-	19.02	0.00	3488.43
RW - 2	12/14/11	3507.45	-	18.91	0.00	3488.54
RW - 2	01/12/12	3507.45	-	18.98	0.00	3488.47
RW - 2	01/19/12	3507.45	-	18.90	0.00	3488.55
RW - 2	02/03/12	3507.45	-	18.88	0.00	3488.57
RW - 2	02/29/12	3507.45	-	18.71	0.00	3488.74
RW - 2	05/02/12	3507.45	-	18.62	0.00	3488.83
RW - 2	12/06/12	3507.45	-	0.00	0.00	3507.45
RW - 2	12/11/12	3507.45	-	0.00	0.00	3507.45
RW - 2	12/18/12	3507.45	-	0.00	0.00	3507.45
RW - 2	01/09/13	3507.45	-	0.00	0.00	3507.45
RW - 2	01/15/13	3507.45	-	0.00	0.00	3507.45
RW - 2	01/23/13	3507.45	-	0.00	0.00	3507.45
RW - 2	01/29/13	3507.45	-	0.00	0.00	3507.45
RW - 2	02/07/13	3507.45	-	0.00	0.00	3507.45
RW - 2	02/20/13	3507.45	-	0.00	0.00	3507.45
RW - 2	04/30/13	3507.45	-	0.00	0.00	3507.45
RW - 3	11/06/02	3507.86	-	21.20	0.00	3486.66
RW - 3	11/12/02	3507.86	-	20.13	0.00	3487.73
RW - 3	01/07/03	3507.86	-	19.90	0.00	3487.96
RW - 3	01/27/03	3507.86	-	19.83	0.00	3488.03
RW - 3	03/11/03	3507.86	-	19.78	0.00	3488.08
RW - 3	03/19/03	3507.86	-	19.78	0.00	3488.08
RW - 3	04/16/03	3507.86	-	19.67	0.00	3488.19
RW - 3	04/29/03	3507.86	-	18.75	0.00	3489.11
RW - 3	05/14/03	3507.86	19.89	19.90	0.01	3487.97
RW - 3	05/20/03	3507.86	-	20.04	0.00	3487.82
RW - 3	05/27/03	3507.86	-	20.04	0.00	3487.82
RW - 3	06/04/03	3507.86	-	19.96	0.00	3487.90
RW - 3	07/07/03	3507.86	-	20.44	0.00	3487.42
RW - 3	07/30/03	3507.86	-	20.48	0.00	3487.38
RW - 3	08/06/03	3507.86	-	20.71	0.00	3487.15
RW - 3	08/21/03	3507.86	sheen	20.88	0.00	3486.98
RW - 3	08/26/03	3507.86	-	20.86	0.00	3487.00

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	09/08/03	3507.86	-	20.86	0.00	3487.00
RW - 3	09/15/03	3507.86	-	20.81	0.00	3487.05
RW - 3	09/24/03	3507.86	-	21.13	0.00	3486.73
RW - 3	10/02/03	3507.86	-	20.98	0.00	3486.88
RW - 3	10/08/03	3507.86	-	20.87	0.00	3486.99
RW - 3	10/16/03	3507.86	-	21.18	0.00	3486.68
RW - 3	10/28/03	3507.86	-	21.25	0.00	3486.61
RW - 3	11/11/03	3507.86	-	21.32	0.00	3486.54
RW - 3	11/18/03	3507.86	-	21.12	0.00	3486.74
RW - 3	12/10/03	3507.86	20.85	20.96	0.11	3486.99
RW - 3	02/02/04	3507.86	-	21.17	0.00	3486.69
RW - 3	02/11/04	3507.86	-	20.68	0.00	3487.18
RW - 3	02/26/04	3507.86	-	20.79	0.00	3487.07
RW - 3	03/16/04	3507.86	-	21.00	0.00	3486.86
RW - 3	03/19/04	3507.86	-	20.94	0.00	3486.92
RW - 3	03/25/04	3507.86	-	20.95	0.00	3486.91
RW - 3	04/01/04	3507.86	-	20.91	0.00	3486.95
RW - 3	04/08/04	3507.86	-	20.72	0.00	3487.14
RW - 3	04/14/04	3507.86	-	20.13	0.00	3487.73
RW - 3	04/16/04	3507.86	-	20.24	0.00	3487.62
RW - 3	04/22/04	3507.86	-	19.44	0.00	3488.42
RW - 3	04/29/04	3507.86	-	19.45	0.00	3488.41
RW - 3	05/11/04	3507.86	-	19.48	0.00	3488.38
RW - 3	06/08/04	3507.86	-	19.64	0.00	3488.22
RW - 3	06/17/04	3507.86	-	19.59	0.00	3488.27
RW - 3	06/22/04	3507.86	-	19.62	0.00	3488.24
RW - 3	06/29/04	3507.86	-	19.58	0.00	3488.28
RW - 3	07/06/04	3507.86	-	19.56	0.00	3488.30
RW - 3	07/13/04	3507.86	-	19.59	0.00	3488.27
RW - 3	07/20/04	3507.86	-	19.78	0.00	3488.08
RW - 3	08/04/04	3507.86	-	19.81	0.00	3488.05
RW - 3	08/10/04	3507.86	-	19.80	0.00	3488.06
RW - 3	08/16/04	3507.86	sheen	19.92	0.00	3487.94
RW - 3	08/23/04	3507.86	sheen	19.58	0.00	3488.28
RW - 3	08/25/04	3507.86	-	19.85	0.00	3488.01
RW - 3	08/26/04	3507.86	sheen	19.83	0.00	3488.03
RW - 3	08/31/04	3507.86	sheen	19.90	0.00	3487.96
RW - 3	09/13/04	3507.86	sheen	20.00	0.00	3487.86
RW - 3	09/20/04	3507.86	sheen	20.03	0.00	3487.83
RW - 3	09/30/04	3507.86	sheen	20.01	0.00	3487.85
RW - 3	10/04/04	3507.86	sheen	19.48	0.00	3488.38
RW - 3	10/11/04	3507.86	sheen	19.25	0.00	3488.61
RW - 3	10/18/04	3507.86	sheen	19.25	0.00	3488.61
RW - 3	10/26/04	3507.86	sheen	19.30	0.00	3488.56
RW - 3	11/02/04	3507.86	sheen	19.33	0.00	3488.53
RW - 3	11/08/04	3507.86	sheen	19.30	0.00	3488.56
RW - 3	11/15/04	3507.86	sheen	19.19	0.00	3488.67
RW - 3	12/01/04	3507.86	sheen	19.23	0.00	3488.63
RW - 3	12/03/04	3507.86	sheen	19.23	0.00	3488.63
RW - 3	12/14/04	3507.86	sheen	19.12	0.00	3488.74
RW - 3	12/21/04	3507.86	sheen	19.09	0.00	3488.77
RW - 3	12/29/04	3507.86	sheen	19.00	0.00	3488.86
RW - 3	01/11/05	3507.86	sheen	18.95	0.00	3488.91
RW - 3	01/14/05	3507.86	sheen	18.94	0.00	3488.92

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	01/18/05	3507.86	sheen	18.93	0.00	3488.93
RW - 3	01/21/05	3507.86	sheen	18.90	0.00	3488.96
RW - 3	01/25/05	3507.86	sheen	18.88	0.00	3488.98
RW - 3	01/28/05	3507.86	sheen	18.91	0.00	3488.95
RW - 3	02/02/05	3507.86	sheen	18.80	0.00	3489.06
RW - 3	02/05/05	3507.86	sheen	18.74	0.00	3489.12
RW - 3	02/08/05	3507.86	sheen	18.75	0.00	3489.11
RW - 3	02/11/05	3507.86	sheen	18.76	0.00	3489.10
RW - 3	02/15/05	3507.86	sheen	18.74	0.00	3489.12
RW - 3	02/18/05	3507.86	sheen	18.71	0.00	3489.15
RW - 3	02/22/05	3507.86	sheen	18.68	0.00	3489.18
RW - 3	02/25/05	3507.86	sheen	18.75	0.00	3489.11
RW - 3	03/01/05	3507.86	sheen	18.68	0.00	3489.18
RW - 3	03/04/05	3507.86	sheen	18.65	0.00	3489.21
RW - 3	03/08/05	3507.86	sheen	18.60	0.00	3489.26
RW - 3	03/08/05	3507.86	sheen	18.60	0.00	3489.26
RW - 3	03/11/05	3507.86	sheen	18.62	0.00	3489.24
RW - 3	03/15/05	3507.86	sheen	18.59	0.00	3489.27
RW - 3	03/18/05	3507.86	sheen	18.60	0.00	3489.26
RW - 3	03/22/05	3507.86	sheen	18.54	0.00	3489.32
RW - 3	03/28/05	3507.86	sheen	18.46	0.00	3489.40
RW - 3	04/01/05	3507.86	sheen	18.49	0.00	3489.37
RW - 3	04/05/05	3507.86	sheen	18.43	0.00	3489.43
RW - 3	04/08/05	3507.86	sheen	18.45	0.00	3489.41
RW - 3	04/12/05	3507.86	sheen	18.43	0.00	3489.43
RW - 3	04/15/05	3507.86	sheen	18.41	0.00	3489.45
RW - 3	05/25/05	3507.86	sheen	18.79	0.00	3489.07
RW - 3	05/27/05	3507.86	sheen	18.79	0.00	3489.07
RW - 3	05/31/05	3507.86	sheen	18.15	0.00	3489.71
RW - 3	06/03/05	3507.86	sheen	18.14	0.00	3489.72
RW - 3	06/06/05	3507.86	sheen	18.13	0.00	3489.73
RW - 3	06/08/05	3507.86	sheen	18.13	0.00	3489.73
RW - 3	06/13/05	3507.86	sheen	18.14	0.00	3489.72
RW - 3	06/20/05	3507.86	sheen	18.18	0.00	3489.68
RW - 3	06/24/05	3507.86	sheen	18.19	0.00	3489.67
RW - 3	06/27/05	3507.86	sheen	18.21	0.00	3489.65
RW - 3	07/11/05	3507.86	sheen	17.83	0.00	3490.03
RW - 3	07/15/05	3507.86	sheen	17.87	0.00	3489.99
RW - 3	07/18/05	3507.86	sheen	18.37	0.00	3489.49
RW - 3	07/21/05	3507.86	sheen	18.40	0.00	3489.46
RW - 3	07/25/05	3507.86	sheen	18.49	0.00	3489.37
RW - 3	08/01/05	3507.86	sheen	18.51	0.00	3489.35
RW - 3	08/04/05	3507.86	sheen	18.53	0.00	3489.33
RW - 3	08/12/05	3507.86	sheen	18.61	0.00	3489.25
RW - 3	08/15/05	3507.86	18.48	18.49	0.01	3489.38
RW - 3	08/23/05	3507.86	sheen	18.30	0.00	3489.56
RW - 3	08/30/05	3507.86	sheen	18.25	0.00	3489.61
RW - 3	09/06/05	3507.86	18.27	18.28	0.01	3489.59
RW - 3	09/13/05	3507.86	18.26	18.28	0.02	3489.60
RW - 3	09/15/05	3507.86	18.29	18.30	0.01	3489.57
RW - 3	09/19/05	3507.86	18.28	18.29	0.01	3489.58
RW - 3	09/27/05	3507.86	18.26	18.27	0.01	3489.60
RW - 3	10/03/05	3507.86	18.28	18.30	0.02	3489.58
RW - 3	10/08/05	3507.86	sheen	18.39	0.00	3489.47

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	10/10/05	3507.86	18.30	18.31	0.01	3489.56
RW - 3	10/17/05	3507.86	sheen	18.17	0.00	3489.69
RW - 3	10/24/05	3507.86	18.19	18.20	0.01	3489.67
RW - 3	10/31/05	3507.86	sheen	18.22	0.00	3489.64
RW - 3	11/15/05	3507.86	sheen	18.21	0.00	3489.65
RW - 3	11/22/05	3507.86	sheen	18.15	0.00	3489.71
RW - 3	11/27/05	3507.86	18.18	18.19	0.01	3489.68
RW - 3	12/07/05	3507.86	18.15	18.16	0.01	3489.71
RW - 3	12/12/05	3507.86	18.13	18.17	0.04	3489.72
RW - 3	12/16/05	3507.86	18.11	18.20	0.09	3489.74
RW - 3	12/22/05	3507.86	18.13	18.22	0.09	3489.72
RW - 3	12/27/05	3507.86	18.12	18.13	0.01	3489.74
RW - 3	01/03/06	3507.86	18.10	18.12	0.02	3489.76
RW - 3	01/09/06	3507.86	18.17	18.18	0.01	3489.69
RW - 3	01/16/06	3507.86	18.10	18.11	0.01	3489.76
RW - 3	01/23/06	3507.86	sheen	18.13	0.00	3489.73
RW - 3	01/30/06	3507.86	sheen	18.14	0.00	3489.72
RW - 3	02/06/06	3507.86	sheen	18.14	0.00	3489.72
RW - 3	02/14/06	3507.86	sheen	18.10	0.00	3489.76
RW - 3	02/21/06	3507.86	sheen	18.11	0.00	3489.75
RW - 3	03/01/06	3507.86	sheen	18.09	0.00	3489.77
RW - 3	03/06/06	3507.86	sheen	18.10	0.00	3489.76
RW - 3	03/15/06	3507.86	sheen	18.09	0.00	3489.77
RW - 3	03/16/06	3507.86	18.13	18.14	0.01	3489.73
RW - 3	03/21/06	3507.86	sheen	18.11	0.00	3489.75
RW - 3	03/28/06	3507.86	sheen	18.12	0.00	3489.74
RW - 3	04/03/06	3507.86	sheen	18.06	0.00	3489.80
RW - 3	04/10/06	3507.86	sheen	18.05	0.00	3489.81
RW - 3	04/17/06	3507.86	sheen	18.02	0.00	3489.84
RW - 3	05/01/06	3507.86	sheen	18.01	0.00	3489.85
RW - 3	05/08/06	3507.86	sheen	18.03	0.00	3489.83
RW - 3	05/15/06	3507.86	sheen	18.13	0.00	3489.73
RW - 3	06/05/06	3507.86	sheen	17.43	0.00	3490.43
RW - 3	06/12/06	3507.86	sheen	18.44	0.00	3489.42
RW - 3	06/15/06	3507.86	18.43	18.51	0.08	3489.42
RW - 3	06/19/06	3507.86	sheen	18.56	0.00	3489.30
RW - 3	07/03/06	3507.86	sheen	18.72	0.00	3489.14
RW - 3	07/10/06	3507.86	sheen	18.70	0.00	3489.16
RW - 3	07/17/06	3507.86	sheen	18.45	0.00	3489.41
RW - 3	07/26/06	3507.86	18.60	18.65	0.05	3489.25
RW - 3	07/31/06	3507.86	18.65	18.66	0.01	3489.21
RW - 3	08/07/06	3507.86	sheen	17.94	0.00	3489.92
RW - 3	08/17/06	3507.86	18.86	18.88	0.02	3489.00
RW - 3	08/21/06	3507.86	sheen	18.56	0.00	3489.30
RW - 3	09/06/06	3507.86	sheen	18.27	0.00	3489.59
RW - 3	09/11/06	3507.86	sheen	18.27	0.00	3489.59
RW - 3	09/18/06	3507.86	18.29	18.34	0.05	3489.56
RW - 3	09/25/06	3507.86	18.29	18.41	0.12	3489.55
RW - 3	10/02/06	3507.86	18.27	18.39	0.12	3489.57
RW - 3	10/09/06	3507.86	18.38	18.44	0.06	3489.47
RW - 3	10/17/06	3507.86	18.26	18.38	0.12	3489.58
RW - 3	10/23/06	3507.86	18.29	18.35	0.06	3489.56
RW - 3	10/30/06	3507.86	18.27	18.34	0.07	3489.58
RW - 3	11/06/06	3507.86	18.29	18.52	0.23	3489.54

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	11/13/06	3507.86	18.30	18.48	0.18	3489.53
RW - 3	11/20/06	3507.86	18.27	18.44	0.17	3489.56
RW - 3	11/27/06	3507.86	18.27	18.46	0.19	3489.56
RW - 3	11/30/06	3507.86	18.25	18.27	0.02	3489.61
RW - 3	12/04/06	3507.86	18.30	18.67	0.37	3489.50
RW - 3	12/12/06	3507.86	18.27	18.64	0.37	3489.53
RW - 3	01/02/07	3507.86	18.21	18.27	0.06	3489.64
RW - 3	01/11/07	3507.86	18.14	18.16	0.02	3489.72
RW - 3	01/18/07	3507.86	18.16	18.19	0.03	3489.70
RW - 3	01/22/07	3507.86	18.18	18.30	0.12	3489.66
RW - 3	02/05/07	3507.86	18.18	18.73	0.55	3489.60
RW - 3	02/12/07	3507.86	-	18.09	0.00	3489.77
RW - 3	02/19/07	3507.86	sheen	18.10	0.00	3489.76
RW - 3	02/27/07	3507.86	18.03	18.10	0.07	3489.82
RW - 3	03/05/07	3507.86	18.17	18.23	0.06	3489.68
RW - 3	03/12/07	3507.86	17.99	18.11	0.12	3489.85
RW - 3	03/19/07	3507.86	18.07	18.09	0.02	3489.79
RW - 3	04/02/07	3507.86	sheen	18.06	0.00	3489.80
RW - 3	04/09/07	3507.86	18.02	18.03	0.01	3489.84
RW - 3	05/01/07	3507.86	18.03	18.11	0.08	3489.82
RW - 3	05/12/07	3507.86	18.03	18.13	0.10	3489.82
RW - 3	05/17/07	3507.86	17.89	17.94	0.05	3489.96
RW - 3	05/21/07	3507.86	17.82	17.88	0.06	3490.03
RW - 3	05/22/07	3507.86	17.82	17.88	0.06	3490.03
RW - 3	06/01/07	3507.86	17.88	17.95	0.07	3489.97
RW - 3	06/06/07	3507.86	17.87	17.89	0.02	3489.99
RW - 3	06/11/07	3507.86	17.97	18.64	0.67	3489.79
RW - 3	06/19/07	3507.86	18.02	18.04	0.02	3489.84
RW - 3	06/25/07	3507.86	sheen	18.16	0.00	3489.70
RW - 3	07/03/07	3507.86	sheen	18.29	0.00	3489.57
RW - 3	07/23/07	3507.86	sheen	18.43	0.00	3489.43
RW - 3	07/31/07	3507.86	sheen	18.59	0.00	3489.27
RW - 3	08/15/07	3507.86	sheen	18.69	0.00	3489.17
RW - 3	09/24/07	3507.86	sheen	18.45	0.00	3489.41
RW - 3	11/05/07	3507.86	sheen	18.46	0.00	3489.40
RW - 3	11/06/07	3507.86	sheen	18.48	0.00	3489.38
RW - 3	11/12/07	3507.86	sheen	18.50	0.00	3489.36
RW - 3	11/30/07	3507.86	sheen	18.48	0.00	3489.38
RW - 3	12/14/07	3507.86	sheen	18.35	0.00	3489.51
RW - 3	01/09/08	3507.86	sheen	18.36	0.00	3489.50
RW - 3	01/16/08	3507.86	sheen	18.36	0.00	3489.50
RW - 3	01/21/08	3507.86	sheen	18.38	0.00	3489.48
RW - 3	01/30/08	3507.86	sheen	18.24	0.00	3489.62
RW - 3	02/08/08	3507.86	sheen	18.32	0.00	3489.54
RW - 3	02/12/08	3507.86	sheen	18.28	0.00	3489.58
RW - 3	02/14/08	3507.86	sheen	18.29	0.00	3489.57
RW - 3	02/20/08	3507.86	sheen	18.26	0.00	3489.60
RW - 3	02/28/08	3507.86	sheen	18.29	0.00	3489.57
RW - 3	03/05/08	3507.86	sheen	18.28	0.00	3489.58
RW - 3	03/13/08	3507.89	sheen	18.27	0.00	3489.62
RW - 3	03/19/08	3507.86	sheen	18.29	0.00	3489.57
RW - 3	03/24/08	3507.86	sheen	18.32	0.00	3489.54
RW - 3	04/02/08	3507.86	sheen	18.26	0.00	3489.60
RW - 3	04/14/08	3507.86	sheen	18.26	0.00	3489.60

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	05/07/08	3507.86	sheen	18.19	0.00	3489.67
RW - 3	05/13/08	3507.86	sheen	18.18	0.00	3489.68
RW - 3	05/14/08	3507.86	sheen	18.26	0.00	3489.60
RW - 3	06/09/08	3507.86	sheen	18.26	0.00	3489.60
RW - 3	06/16/08	3507.86	sheen	18.17	0.00	3489.69
RW - 3	06/23/08	3507.86	sheen	18.80	0.00	3489.06
RW - 3	06/30/08	3507.86	18.78	18.79	0.01	3489.08
RW - 3	07/14/08	3507.86	sheen	18.92	0.01	3488.95
RW - 3	07/29/08	3507.86	sheen	18.96	0.00	3488.90
RW - 3	08/04/08	3507.86	sheen	19.00	0.00	3488.86
RW - 3	08/14/08	3507.86	18.96	18.97	0.01	3488.90
RW - 3	08/18/08	3507.86	sheen	19.05	0.00	3488.81
RW - 3	08/28/08	3507.86	sheen	18.98	0.00	3488.88
RW - 3	09/17/08	3507.86	sheen	18.75	0.00	3489.11
RW - 3	09/29/08	3507.86	sheen	18.66	0.00	3489.20
RW - 3	10/06/08	3507.86	sheen	18.67	0.00	3489.19
RW - 3	10/13/08	3507.86	sheen	18.71	0.00	3489.15
RW - 3	10/20/08	3507.86	sheen	18.61	0.00	3489.25
RW - 3	10/29/08	3507.86	sheen	18.53	0.00	3489.33
RW - 3	11/06/08	3507.86	sheen	18.58	0.00	3489.28
RW - 3	11/12/08	3507.86	sheen	18.56	0.00	3489.30
RW - 3	11/13/08	3507.86	sheen	18.56	0.00	3489.30
RW - 3	12/22/08	3507.86	sheen	18.57	0.00	3489.29
RW - 3	01/06/09	3507.86	-	18.50	0.00	3489.36
RW - 3	01/12/09	3507.86	-	18.49	0.00	3489.37
RW - 3	01/19/09	3507.86	-	18.44	0.00	3489.42
RW - 3	01/26/09	3507.86	-	18.42	0.00	3489.44
RW - 3	02/10/09	3507.86	-	18.41	0.00	3489.45
RW - 3	02/13/09	3507.86	-	18.42	0.00	3489.44
RW - 3	02/16/09	3507.86	-	18.48	0.00	3489.38
RW - 3	02/24/09	3507.86	-	18.42	0.00	3489.44
RW - 3	03/02/09	3507.86	-	18.45	0.00	3489.41
RW - 3	03/05/09	3507.86	-	18.40	0.00	3489.46
RW - 3	03/09/09	3507.86	-	18.39	0.00	3489.47
RW - 3	03/16/09	3507.86	-	18.39	0.00	3489.47
RW - 3	03/19/09	3507.86	-	18.43	0.00	3489.43
RW - 3	03/25/09	3507.86	-	18.46	0.00	3489.40
RW - 3	03/30/09	3507.86	-	18.45	0.00	3489.41
RW - 3	04/13/09	3507.86	-	18.34	0.00	3489.52
RW - 3	04/13/09	3507.86	-	18.34	0.00	3489.52
RW - 3	04/16/09	3507.86	-	18.46	0.00	3489.40
RW - 3	04/21/09	3507.86	-	18.45	0.00	3489.41
RW - 3	04/27/09	3507.86	-	18.33	0.00	3489.53
RW - 3	04/30/09	3507.86	-	18.43	0.00	3489.43
RW - 3	05/06/09	3507.86	-	18.42	0.00	3489.44
RW - 3	05/12/09	3507.86	-	18.34	0.00	3489.52
RW - 3	05/19/09	3507.86	-	18.45	0.00	3489.41
RW - 3	05/26/09	3507.86	-	18.47	0.00	3489.39
RW - 3	06/01/09	3507.86	-	18.61	0.00	3489.25
RW - 3	06/12/09	3507.86	-	18.62	0.00	3489.24
RW - 3	06/15/09	3507.86	-	18.66	0.00	3489.20
RW - 3	06/22/09	3507.86	-	18.69	0.00	3489.17
RW - 3	06/24/09	3507.86	-	18.62	0.00	3489.24
RW - 3	06/29/09	3507.86	-	18.82	0.00	3489.04



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	07/06/09	3507.86	-	18.85	0.00	3489.01
RW - 3	07/09/09	3507.86	-	18.47	0.00	3489.39
RW - 3	07/13/09	3507.86	-	18.47	0.00	3489.39
RW - 3	07/20/09	3507.86	-	18.46	0.00	3489.40
RW - 3	07/23/09	3507.86	-	19.01	0.00	3488.85
RW - 3	07/27/09	3507.86	-	19.03	0.00	3488.83
RW - 3	07/29/09	3507.86	-	18.91	0.00	3488.95
RW - 3	08/03/09	3507.86	-	18.84	0.00	3489.02
RW - 3	08/10/09	3507.86	-	18.94	0.00	3488.92
RW - 3	08/10/09	3507.86	-	18.94	0.00	3488.92
RW - 3	08/18/09	3507.86	-	18.01	0.00	3489.85
RW - 3	08/24/09	3507.86	-	19.09	0.00	3488.77
RW - 3	08/28/09	3507.86	-	19.08	0.00	3488.78
RW - 3	08/31/09	3507.86	-	19.15	0.00	3488.71
RW - 3	09/02/09	3507.86	-	19.11	0.00	3488.75
RW - 3	09/08/09	3507.86	-	19.19	0.00	3488.67
RW - 3	09/10/09	3507.86	-	19.13	0.00	3488.73
RW - 3	09/16/09	3507.86	-	19.14	0.00	3488.72
RW - 3	09/18/09	3507.86	-	19.16	0.00	3488.70
RW - 3	09/22/09	3507.86	-	19.21	0.00	3488.65
RW - 3	09/28/09	3507.86	-	19.10	0.00	3488.76
RW - 3	10/09/09	3507.86	sheen	19.25	0.00	3488.61
RW - 3	10/12/09	3507.86	sheen	18.53	0.00	3489.33
RW - 3	10/20/09	3507.86	sheen	19.40	0.00	3488.46
RW - 3	10/26/09	3507.86	sheen	18.52	0.00	3489.34
RW - 3	10/28/09	3507.86	sheen	19.35	0.00	3488.51
RW - 3	11/03/09	3507.86	sheen	19.30	0.00	3488.56
RW - 3	11/12/09	3507.86	sheen	19.33	0.00	3488.53
RW - 3	11/18/09	3507.86	sheen	19.32	0.00	3488.54
RW - 3	12/03/09	3507.86	sheen	19.24	0.00	3488.62
RW - 3	12/11/09	3507.86	sheen	19.23	0.00	3488.63
RW - 3	12/16/09	3507.86	sheen	19.15	0.00	3488.71
RW - 3	12/21/09	3507.86	sheen	19.29	0.00	3488.57
RW - 3	12/28/09	3507.86	sheen	19.32	0.00	3488.54
RW - 3	01/04/10	3507.86	sheen	19.25	0.00	3488.61
RW - 3	01/14/10	3507.86	sheen	19.18	0.00	3488.68
RW - 3	01/20/10	3507.86	sheen	19.09	0.00	3488.77
RW - 3	01/25/10	3507.86	sheen	19.24	0.00	3488.62
RW - 3	01/27/10	3507.86	sheen	19.08	0.00	3488.78
RW - 3	02/01/10	3507.86	sheen	19.15	0.00	3488.71
RW - 3	02/08/10	3507.86	sheen	19.05	0.00	3488.81
RW - 3	02/09/10	3507.86	sheen	19.16	0.00	3488.70
RW - 3	02/19/10	3507.86	-	19.01	0.00	3488.85
RW - 3	02/26/10	3507.86	sheen	19.00	0.00	3488.86
RW - 3	03/01/10	3507.86	sheen	19.27	0.00	3488.59
RW - 3	03/04/10	3507.86	sheen	18.97	0.00	3488.89
RW - 3	03/08/10	3507.86	sheen	19.01	0.00	3488.85
RW - 3	03/11/10	3507.86	sheen	18.85	0.00	3489.01
RW - 3	03/15/10	3507.86	sheen	18.95	0.00	3488.91
RW - 3	03/17/10	3507.86	sheen	18.85	0.00	3489.01
RW - 3	03/22/10	3507.86	sheen	18.80	0.00	3489.06
RW - 3	03/29/10	3507.86	sheen	17.77	0.00	3490.09
RW - 3	04/05/10	3507.86	sheen	18.84	0.00	3489.02
RW - 3	04/14/10	3507.86	sheen	18.79	0.00	3489.07

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	04/16/10	3507.86	sheen	18.72	0.00	3489.14
RW - 3	04/19/10	3507.86	sheen	18.82	0.00	3489.04
RW - 3	04/28/10	3507.86	sheen	18.73	0.00	3489.13
RW - 3	05/05/10	3507.86	sheen	18.63	0.00	3489.23
RW - 3	05/12/10	3507.86	sheen	18.68	0.00	3489.18
RW - 3	05/14/10	3507.86	sheen	18.69	0.00	3489.17
RW - 3	05/21/10	3507.86	sheen	18.68	0.00	3489.18
RW - 3	05/26/10	3507.86	sheen	18.69	0.00	3489.17
RW - 3	06/04/10	3507.86	sheen	18.69	0.00	3489.17
RW - 3	06/07/10	3507.86	sheen	18.83	0.00	3489.03
RW - 3	06/12/10	3507.86	sheen	18.88	0.00	3488.98
RW - 3	06/24/10	3507.86	sheen	19.02	0.00	3488.84
RW - 3	07/07/10	3507.86	sheen	18.55	0.00	3489.31
RW - 3	07/12/10	3507.86	sheen	18.45	0.00	3489.41
RW - 3	07/19/10	3507.86	sheen	18.33	0.00	3489.53
RW - 3	08/03/10	3507.86	18.28	18.29	0.01	3489.58
RW - 3	08/11/10	3507.86	sheen	18.26	0.00	3489.60
RW - 3	08/19/10	3507.86	sheen	18.30	0.00	3489.56
RW - 3	08/25/10	3507.86	sheen	18.38	0.00	3489.48
RW - 3	09/01/10	3507.86	sheen	18.41	0.00	3489.45
RW - 3	09/09/10	3507.86	sheen	18.45	0.00	3489.41
RW - 3	09/13/10	3507.86	sheen	18.28	0.00	3489.58
RW - 3	09/29/10	3507.86	sheen	18.59	0.00	3489.27
RW - 3	10/05/10	3507.86	sheen	18.27	0.00	3489.59
RW - 3	10/20/10	3507.86	sheen	18.30	0.00	3489.56
RW - 3	10/25/10	3507.86	sheen	18.32	0.00	3489.54
RW - 3	11/03/10	3507.86	sheen	18.37	0.00	3489.49
RW - 3	11/10/10	3507.86	sheen	18.75	0.00	3489.11
RW - 3	11/12/10	3507.86	sheen	18.75	0.00	3489.11
RW - 3	12/09/10	3507.86	sheen	18.29	0.00	3489.57
RW - 3	01/18/11	3507.86	sheen	18.73	0.00	3489.13
RW - 3	02/16/11	3507.86	sheen	18.74	0.00	3489.12
RW - 3	03/01/11	3507.86	sheen	18.61	0.00	3489.25
RW - 3	03/07/11	3507.86	sheen	18.59	0.00	3489.27
RW - 3	03/22/11	3507.86	sheen	18.75	0.00	3489.11
RW - 3	04/27/11	3507.86	sheen	18.65	0.00	3489.21
RW - 3	05/05/11	3507.86	sheen	18.59	0.00	3489.27
RW - 3	05/19/11	3507.86	sheen	18.74	0.00	3489.12
RW - 3	06/08/11	3507.86	sheen	19.01	0.00	3488.85
RW - 3	07/06/11	3507.86	sheen	19.18	0.00	3488.68
RW - 3	07/14/11	3507.86	sheen	19.18	0.00	3488.68
RW - 3	07/20/11	3507.86	sheen	19.19	0.00	3488.67
RW - 3	07/27/11	3507.86	-	19.23	0.00	3488.63
RW - 3	08/03/11	3507.86	-	19.23	0.00	3488.63
RW - 3	08/10/11	3507.86	-	19.38	0.00	3488.48
RW - 3	08/18/11	3507.86	-	19.26	0.00	3488.60
RW - 3	08/25/11	3507.86	-	19.33	0.00	3488.53
RW - 3	09/07/11	3507.86	-	19.41	0.00	3488.45
RW - 3	09/14/11	3507.86	-	19.56	0.00	3488.30
RW - 3	11/14/11	3507.86	-	19.43	0.00	3488.43
RW - 3	12/01/11	3507.86	-	19.32	0.00	3488.54
RW - 3	12/08/11	3507.86	-	19.31	0.00	3488.55
RW - 3	12/14/11	3507.86	-	19.29	0.00	3488.57
RW - 3	01/12/12	3507.86	-	19.29	0.00	3488.57

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	01/19/12	3507.86	-	19.31	0.00	3488.55
RW - 3	02/03/12	3507.86	-	19.23	0.00	3488.63
RW - 3	02/29/12	3507.86	-	19.09	0.00	3488.77
RW - 3	05/02/12	3507.86	-	19.01	0.00	3488.85
RW - 3	12/06/12	3507.86	-	20.20	0.00	3487.66
RW - 3	12/11/12	3507.86	-	20.20	0.00	3487.66
RW - 3	12/18/12	3507.86	20.14	20.15	0.01	3487.72
RW - 3	01/09/13	3507.86	-	20.11	0.00	3487.75
RW - 3	01/15/13	3507.86	-	20.12	0.00	3487.74
RW - 3	01/23/13	3507.86	-	20.10	0.00	3487.76
RW - 3	01/29/13	3507.86	-	20.08	0.00	3487.78
RW - 3	02/07/13	3507.86	-	20.08	0.00	3487.78
RW - 3	02/13/13	3507.86	-	20.06	0.00	3487.80
RW - 3	02/20/13	3507.86	-	20.04	0.00	3487.82
RW - 3	02/25/13	3507.86	20.05	20.06	0.01	3487.81
RW - 3	04/30/13	3507.86	-	19.90	0.00	3487.96
RW - 3	05/08/13	3507.86	19.90	19.93	0.03	3487.96
RW - 3	05/22/13	3507.86	-	19.89	0.00	3487.97
RW - 3	06/04/13	3507.86	19.92	19.94	0.02	3487.94
RW - 3	06/19/13	3507.86	19.86	19.91	0.05	3487.99
RW - 3	06/28/13	3507.86	20.13	20.20	0.07	3487.72
RW - 3	07/01/13	3507.86	20.21	20.23	0.02	3487.65
RW - 3	07/08/13	3507.86	20.10	20.15	0.05	3487.75
RW - 3	07/23/13	3507.86	20.29	20.32	0.03	3487.57
RW - 3	07/30/13	3507.86	-	20.25	0.00	3487.61
RW - 3	08/05/13	3507.86	-	20.22	0.00	3487.64
RW - 3	08/12/13	3507.86	-	20.23	0.00	3487.63
RW - 3	08/22/13	3507.86	-	20.33	0.00	3487.53
RW - 3	08/29/13	3507.86	-	20.37	0.00	3487.49
RW - 3	09/05/13	3507.86	-	20.41	0.00	3487.45
RW - 3	09/10/13	3507.86	-	20.46	0.00	3487.40
RW - 3	09/17/13	3507.86	-	20.50	0.00	3487.36
RW - 3	09/24/13	3507.86	-	20.50	0.00	3487.36
RW - 3	10/07/13	3507.86	-	20.59	0.00	3487.27
RW - 3	11/14/13	-	-	22.78	0.00	-
RW - 3	11/20/13	-	-	22.79	0.00	-
RW - 3	12/12/13	-	-	22.77	0.00	-
RW - 3	12/19/13	-	-	22.73	0.00	-
RW - 3	01/03/14	-	-	22.69	0.00	-
RW - 3	01/09/14	-	-	22.70	0.00	-
RW - 3	01/13/14	-	-	22.70	0.00	-
RW - 3	01/21/14	-	-	22.68	0.00	-
RW - 3	01/24/14	-	-	22.73	0.00	-
RW - 3	02/04/14	3512.17	-	22.64	0.00	3489.53
RW - 3	02/10/14	3512.17	-	22.66	0.00	3489.51
RW - 3	02/27/14	3512.17	-	23.62	0.00	3488.55
RW - 3	03/17/14	3512.17	-	22.51	0.00	3489.66
RW - 3	03/27/14	3512.17	-	22.50	0.00	3489.67
RW - 3	04/02/14	3512.17	-	22.49	0.00	3489.68
RW - 3	04/16/14	3512.17	-	22.41	0.00	3489.76
RW - 3	04/22/14	3512.17	-	22.42	0.00	3489.75
RW - 3	04/28/14	3512.17	-	22.42	0.00	3489.75
RW - 3	05/06/14	3512.17	-	22.38	0.00	3489.79
RW - 3	05/13/14	3512.17	-	22.43	0.00	3489.74

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	05/14/14	3512.17	-	22.41	0.00	3489.76
RW - 3	05/21/14	3512.17	-	22.42	0.00	3489.75
RW - 3	06/05/14	3512.17	-	22.54	0.00	3489.63
RW - 3	06/11/14	3512.17	-	22.59	0.00	3489.58
RW - 3	06/16/14	3512.17	-	22.66	0.00	3489.51
RW - 3	06/24/14	3512.17	-	22.77	0.00	3489.40
RW - 3	07/01/14	3512.17	-	22.83	0.00	3489.34
RW - 3	07/08/14	3512.17	-	22.90	0.00	3489.27
RW - 3	07/15/14	3512.17	-	22.95	0.00	3489.22
RW - 3	07/22/14	3512.17	-	23.00	0.00	3489.17
RW - 3	07/23/14	3512.17	-	23.00	0.00	3489.17
RW - 3	07/31/14	3512.17	-	23.03	0.00	3489.14
RW - 3	08/05/14	3512.17	-	23.05	0.00	3489.12
RW - 3	08/07/14	3512.17	-	23.06	0.00	3489.11
RW - 3	08/15/14	3512.17	-	23.09	0.00	3489.08
RW - 3	08/20/14	3512.17	-	23.10	0.00	3489.07
RW - 3	08/27/14	3512.17	-	23.12	0.00	3489.05
RW - 3	09/24/14	3512.17	-	22.52	0.00	3489.65
RW - 3	10/01/14	3512.17	-	22.19	0.00	3489.98
RW - 3	10/07/14	3512.17	-	22.07	0.00	3490.10
RW - 3	10/14/14	3512.17	-	22.00	0.00	3490.17
RW - 3	10/20/14	3512.17	-	21.95	0.00	3490.22
RW - 3	10/27/14	3512.17	-	21.93	0.00	3490.24
RW - 3	11/03/14	3512.17	-	21.94	0.00	3490.23
RW - 3	11/11/14	3512.17	-	21.91	0.00	3490.26
RW - 3	11/19/14	3512.17	-	21.89	0.00	3490.28
RW - 3	12/08/14	3512.17	-	21.90	0.00	3490.27
RW - 3	12/15/14	3512.17	-	21.90	0.00	3490.27
RW - 3	12/22/14	3512.17	-	21.86	0.00	3490.31
RW - 3	12/29/14	3512.17	-	21.90	0.00	3490.27
RW - 3	01/05/15	3512.17	-	21.91	0.00	3490.26
RW - 3	01/12/15	3512.17	-	21.93	0.00	3490.24
RW - 3	01/19/15	3512.17	-	21.90	0.00	3490.27
RW - 3	02/04/15	3512.17	-	21.89	0.00	3490.28
RW - 3	02/09/15	3512.17	-	21.89	0.00	3490.28
RW - 3	02/19/15	3512.17	-	21.88	0.00	3490.29
RW - 3	03/03/15	3512.17	-	21.86	0.00	3490.31
RW - 3	03/09/15	3512.17	-	21.90	0.00	3490.27
RW - 3	03/16/15	3512.17	-	21.88	0.00	3490.29
RW - 3	03/20/15	3512.17	-	21.90	0.00	3490.27
RW - 3	03/23/15	3512.17	-	21.87	0.00	3490.30
RW - 3	03/30/15	3512.17	-	21.87	0.00	3490.30
RW - 3	04/04/15	3512.17	-	21.89	0.00	3490.28
RW - 3	04/07/15	3512.17	-	21.85	0.00	3490.32
RW - 3	04/14/15	3512.17	-	21.86	0.00	3490.31
RW - 3	04/20/15	3512.17	-	21.83	0.00	3490.34
RW - 3	04/27/15	3512.17	-	21.84	0.00	3490.33
RW - 3	05/07/15	3512.17	-	21.79	0.00	3490.38
RW - 3	05/11/15	3512.17	-	21.88	0.00	3490.29
RW - 3	05/21/15	3512.17	-	21.75	0.00	3490.42
RW - 3	05/27/15	3512.17	-	21.74	0.00	3490.43
RW - 3	05/28/15	3512.17	-	21.73	0.00	3490.44
RW - 3	06/03/15	3512.17	-	21.71	0.00	3490.46
RW - 3	06/08/15	3512.17	-	21.73	0.00	3490.44

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	06/29/15	3512.17	-	21.72	0.00	3490.45
RW - 3	07/08/15	3512.17	-	21.76	0.00	3490.41
RW - 3	07/09/15	3512.17	-	21.74	0.00	3490.43
RW - 3	07/14/15	3512.17	-	21.80	0.00	3490.37
RW - 3	07/20/15	3512.17	-	21.82	0.00	3490.35
RW - 3	07/28/15	3512.17	-	21.94	0.00	3490.23
RW - 3	08/03/15	3512.17	-	21.86	0.00	3490.31
RW - 3	08/04/15	3512.17	-	22.04	0.00	3490.13
RW - 3	08/10/15	3512.17	-	22.10	0.00	3490.07
RW - 3	08/17/15	3512.17	-	22.16	0.00	3490.01
RW - 3	08/25/15	3512.17	-	22.18	0.00	3489.99
RW - 3	08/31/15	3512.17	-	22.20	0.00	3489.97
RW - 3	09/08/15	3512.17	-	22.18	0.00	3489.99
RW - 3	09/15/15	3512.17	-	22.17	0.00	3490.00
RW - 3	09/24/15	3512.17	-	22.31	0.00	3489.86
RW - 3	09/28/15	3512.17	-	22.30	0.00	3489.87
RW - 3	10/06/15	3512.17	-	22.29	0.00	3489.88
RW - 3	10/12/15	3512.17	-	22.22	0.00	3489.95
RW - 3	10/26/15	3512.17	-	22.10	0.00	3490.07
RW - 3	11/06/15	3512.17	-	22.03	0.00	3490.14
RW - 3	11/10/15	3512.17	-	21.95	0.00	3490.22
RW - 3	11/18/15	3512.17	-	21.90	0.00	3490.27
RW - 3	12/02/15	3512.17	-	21.91	0.00	3490.26
RW - 3	12/07/15	3512.17	-	21.89	0.00	3490.28
RW - 3	12/14/15	3512.17	-	21.83	0.00	3490.34
RW - 3	01/05/16	3512.17	-	21.75	0.00	3490.42
RW - 3	01/08/16	3512.17	-	21.82	0.00	3490.35
RW - 3	01/12/16	3512.17	-	21.87	0.00	3490.30
RW - 3	01/18/16	3512.17	-	21.86	0.00	3490.31
RW - 3	01/25/16	3512.17	-	21.82	0.00	3490.35
RW - 3	02/01/16	3512.17	-	21.72	0.00	3490.45
RW - 3	02/08/16	3512.17	-	21.80	0.00	3490.37
RW - 3	02/19/16	3512.17	-	21.74	0.00	3490.43
RW - 3	02/23/16	3512.17	-	21.69	0.00	3490.48
RW - 3	03/03/16	3512.17	-	21.78	0.00	3490.39
RW - 3	03/07/16	3512.17	-	21.70	0.00	3490.47
RW - 3	03/15/16	3512.17	-	21.66	0.00	3490.51
RW - 3	03/21/16	3512.17	-	21.68	0.00	3490.49
RW - 3	03/28/16	3512.17	-	21.67	0.00	3490.50
RW - 3	04/05/16	3512.17	-	21.63	0.00	3490.54
RW - 3	04/08/16	3512.17	-	21.68	0.00	3490.49
RW - 3	04/12/16	3512.17	-	21.66	0.00	3490.51
RW - 3	04/18/16	3512.17	-	21.63	0.00	3490.54
RW - 3	04/25/16	3512.17	-	21.60	0.00	3490.57
RW - 3	05/02/16	3512.17	-	21.60	0.00	3490.57
RW - 3	05/23/16	3512.17	-	21.56	0.00	3490.61
RW - 3	06/01/16	3512.17	-	21.63	0.00	3490.54
RW - 3	06/06/16	3512.17	-	21.67	0.00	3490.50
RW - 3	06/28/16	3512.17	-	21.90	0.00	3490.27
RW - 3	07/12/16	3512.17	-	22.06	0.00	3490.11
RW - 3	07/19/16	3512.17	-	22.10	0.00	3490.07
RW - 3	07/27/16	3512.17	-	22.20	0.00	3489.97
RW - 3	08/03/16	3512.17	-	22.22	0.00	3489.95
RW - 3	08/08/16	3512.17	-	22.30	0.00	3489.87

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	08/16/16	3512.17	-	22.33	0.00	3489.84
RW - 3	08/23/16	3512.17	-	22.40	0.00	3489.77
RW - 3	08/31/16	3512.17	-	22.20	0.00	3489.97
RW - 3	09/14/16	3512.17	-	21.60	0.00	3490.57
RW - 3	09/22/16	3512.17	-	21.42	0.00	3490.75
RW - 3	09/27/16	3512.17	-	21.31	0.00	3490.86
RW - 3	10/07/16	3512.17	-	21.21	0.00	3490.96
RW - 3	10/21/16	3512.17	-	21.22	0.00	3490.95
RW - 3	10/28/16	3512.17	-	21.20	0.00	3490.97
RW - 3	11/04/16	3512.17	-	21.24	0.00	3490.93
RW - 3	11/09/16	3512.17	-	21.32	0.00	3490.85
RW - 3	12/06/16	3512.17	-	21.18	0.00	3490.99
RW - 3	12/15/16	3512.17	-	21.47	0.00	3490.70
RW - 3	12/22/16	3512.17	-	21.31	0.00	3490.86
RW - 3	12/29/16	3512.17	-	21.41	0.00	3490.76
RW - 3	01/05/17	3512.17	-	21.19	0.00	3490.98
RW - 3	01/11/17	3512.17	-	21.51	0.00	3490.66
RW - 3	01/18/17	3512.17	-	21.24	0.00	3490.93
RW - 3	01/26/17	3512.17	-	21.30	0.00	3490.87
RW - 3	01/31/17	3512.17	-	21.24	0.00	3490.93
RW - 3	02/10/17	3512.17	-	21.26	0.00	3490.91
RW - 3	02/17/17	3512.17	-	21.20	0.00	3490.97
RW - 3	02/24/17	3512.17	-	21.20	0.00	3490.97
RW - 3	03/01/17	3512.17	-	21.23	0.00	3490.94
RW - 3	03/09/17	3512.17	-	21.32	0.00	3490.85
RW - 3	03/15/17	3512.17	-	21.28	0.00	3490.89
RW - 3	03/22/17	3512.17	-	21.34	0.00	3490.83
RW - 3	03/29/17	3512.17	-	21.48	0.00	3490.69
RW - 3	04/07/17	3512.17	-	21.24	0.00	3490.93
RW - 3	04/11/17	3512.17	-	21.19	0.00	3490.98
RW - 3	04/20/17	3512.17	-	21.16	0.00	3491.01
RW - 3	05/02/17	3512.17	-	21.14	0.00	3491.03
RW - 3	05/12/17	3512.17	-	21.19	0.00	3490.98
RW - 3	05/16/17	3512.17	-	21.15	0.00	3491.02
RW - 3	05/24/17	3512.17	-	21.31	0.00	3490.86
RW - 3	06/05/17	3512.17	-	21.29	0.00	3490.88
RW - 3	06/15/17	3512.17	-	21.43	0.00	3490.74
RW - 3	06/28/17	3512.17	-	21.51	0.00	3490.66
RW - 3	07/05/17	3512.17	-	21.59	0.00	3490.58
RW - 3	07/11/17	3512.17	-	21.64	0.00	3490.53
RW - 3	07/17/17	3512.17	-	21.67	0.00	3490.50
RW - 3	07/20/17	3512.17	-	21.71	0.00	3490.46
RW - 3	08/16/17	3512.17	-	21.66	0.00	3490.51
RW - 3	09/05/17	3512.17	-	21.50	0.00	3490.67
RW - 3	09/13/17	3512.17	-	21.46	0.00	3490.71
RW - 3	09/19/17	3512.17	-	21.52	0.00	3490.65
RW - 3	09/29/17	3512.17	-	21.57	0.00	3490.60
RW - 3	10/05/17	3512.17	-	21.60	0.00	3490.57
RW - 3	10/12/17	3512.17	-	21.41	0.00	3490.76
RW - 3	10/20/17	3512.17	-	21.39	0.00	3490.78
RW - 3	10/24/17	3512.17	-	21.40	0.00	3490.77
RW - 3	11/02/17	3512.17	-	21.36	0.00	3490.81
RW - 3	11/14/17	3512.17	-	21.33	0.00	3490.84
RW - 3	12/20/17	3512.17	-	22.28	0.00	3489.89

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	12/28/17	3512.17	-	21.25	0.00	3490.92
RW - 3	01/03/18	3512.17	-	21.27	0.00	3490.90
RW - 3	01/09/18	3512.17	-	21.29	0.00	3490.88
RW - 3	01/19/18	3512.17	-	21.24	0.00	3490.93
RW - 3	01/24/18	3512.17	-	21.27	0.00	3490.90
RW - 3	02/07/18	3512.17	-	21.48	0.00	3490.69
RW - 3	02/12/18	3512.17	-	21.24	0.00	3490.93
RW - 3	02/22/18	3512.17	-	21.23	0.00	3490.94
RW - 3	03/02/18	3512.17	-	21.22	0.00	3490.95
RW - 3	03/07/18	3512.17	-	21.21	0.00	3490.96
RW - 3	03/19/18	3512.17	-	21.24	0.00	3490.93
RW - 3	03/29/18	3512.17	-	21.20	0.00	3490.97
RW - 3	04/02/18	3512.17	-	21.16	0.00	3491.01
RW - 3	04/11/18	3512.17	-	21.16	0.00	3491.01
RW - 3	04/16/18	3512.17	-	21.22	0.00	3490.95
RW - 3	04/25/18	3512.17	-	21.19	0.00	3490.98
RW - 3	05/01/18	3512.17	-	21.16	0.00	3491.01
RW - 3	05/08/18	3512.17	-	21.18	0.00	3490.99
RW - 3	05/22/18	3512.17	-	21.45	0.00	3490.72
RW - 3	06/06/18	3512.17	-	21.31	0.00	3490.86
RW - 3	06/13/18	3512.17	-	21.61	0.00	3490.56
RW - 3	06/18/18	3512.17	-	21.67	0.00	3490.50
RW - 3	06/25/18	3512.17	-	24.70	0.00	3487.47
RW - 3	07/02/18	3512.17	-	21.73	0.00	3490.44
RW - 3	07/11/18	3512.17	-	21.89	0.00	3490.28
RW - 3	07/19/18	3512.17	-	21.84	0.00	3490.33
RW - 3	07/27/18	3512.17	-	21.91	0.00	3490.26
RW - 3	08/08/18	3512.17	-	22.04	0.00	3490.13
RW - 3	08/30/18	3512.17	-	22.09	0.00	3490.08
RW - 3	09/12/18	3512.17	-	22.16	0.00	3490.01
RW - 3	09/20/18	3512.17	-	22.02	0.00	3490.15
RW - 3	09/26/18	3512.17	-	22.06	0.00	3490.11
RW - 3	10/03/18	3512.17	-	21.98	0.00	3490.19
RW - 3	10/19/18	3512.17	-	21.99	0.00	3490.18
RW - 3	10/31/18	3512.17	-	21.87	0.00	3490.30
RW - 3	11/06/18	3512.17	-	21.83	0.00	3490.34
RW - 3	11/13/18	3512.17	-	22.09	0.00	3490.08
RW - 3	12/03/18	3512.17	-	21.74	0.00	3490.43
RW - 3	12/19/18	3512.17	-	21.79	0.00	3490.38
RW - 3	12/27/18	3512.17	-	21.64	0.00	3490.53
RW - 3	01/03/19	3512.17	-	21.68	0.00	3490.49
RW - 3	01/09/19	3512.17	-	21.83	0.00	3490.34
RW - 3	01/16/19	3512.17	-	21.73	0.00	3490.44
RW - 3	02/06/19	3512.17	-	21.69	0.00	3490.48
RW - 3	02/12/19	3512.17	-	21.70	0.00	3490.47
RW - 3	02/28/19	3512.17	-	21.78	0.00	3490.39
RW - 3	03/06/19	3512.17	-	21.65	0.00	3490.52
RW - 3	03/12/19	3512.17	-	21.57	0.00	3490.60
RW - 3	03/19/19	3512.17	-	21.65	0.00	3490.52
RW - 3	03/28/19	3512.17	-	21.80	0.00	3490.37
RW - 3	04/01/19	3512.17	-	21.82	0.00	3490.35
RW - 3	04/10/19	3512.17	-	21.57	0.00	3490.60
RW - 3	04/17/19	3512.17	-	21.69	0.00	3490.48
RW - 3	04/24/19	3512.17	-	21.57	0.00	3490.60

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 3	05/01/19	3512.17	-	21.66	0.00	3490.51
RW - 3	05/08/19	3512.17	-	21.50	0.00	3490.67
RW - 3	06/14/19	3512.17	-	21.92	0.00	3490.25
RW - 3	07/11/19	3512.17	-	21.89	0.00	3490.28
RW - 3	08/02/19	3512.17	-	22.06	0.00	3490.11
RW - 3	08/08/19	3512.17	-	22.08	0.00	3490.09
RW - 3	09/12/19	3512.17	-	22.07	0.00	3490.10
RW - 3	09/17/19	3512.17	-	22.28	0.00	3489.89
RW - 3	10/15/19	3512.17	-	22.11	0.00	3490.06
RW - 3	11/06/19	3512.17	-	22.05	0.00	3490.12
RW - 3	11/13/19	3512.17	-	21.96	0.00	3490.21
RW - 3	12/17/19	3512.17	-	21.87	0.00	3490.30
RW - 3	01/06/20	3512.17	-	21.78	0.00	3490.39
RW - 3	01/23/20	3512.17	-	21.76	0.00	3490.41
RW - 3	02/21/20	3512.17	-	21.72	0.00	3490.45
RW - 3	03/05/20	3512.17	-	21.72	0.00	3490.45
RW - 3	05/14/20	3512.17	-	21.85	0.00	3490.32
RW - 3	05/21/20	3512.17	-	21.50	0.00	3490.67
RW - 3	06/18/20	3512.17	-	21.84	0.00	3490.33
RW - 3	07/01/20	3512.17	-	22.01	0.00	3490.16
RW - 3	07/21/20	3512.17	-	22.16	0.00	3490.01
RW - 3	08/13/20	3512.17	-	22.30	0.00	3489.87
RW - 3	09/14/20	3512.17	-	22.44	0.00	3489.73
RW - 3	09/30/20	3512.17	-	22.46	0.00	3489.71
RW - 3	12/10/20	3512.17	-	22.53	0.00	3489.64
RW - 3	01/13/21	3512.17	-	22.46	0.00	3489.71
RW - 3	02/11/21	3512.17	-	22.43	0.00	3489.74
RW - 3	04/21/21	3512.17	-	22.33	0.00	3489.84
RW - 3	04/28/21	3512.17	-	22.31	0.00	3489.86
RW - 3	06/11/21	3512.17	-	22.32	0.00	3489.85
RW - 3	07/31/21	3512.17	-	22.35	0.00	3489.82
RW - 3	08/31/21	3512.17	-	22.58	0.00	3489.59
RW - 3	09/23/21	3512.17	-	22.61	0.00	3489.56
RW - 3	10/14/21	3512.17	-	22.63	0.00	3489.54
RW - 3	10/28/21	3512.17	-	22.67	0.00	3489.50
RW - 3	12/06/21	3512.17	-	22.73	0.00	3489.44
RW - 3	02/23/22	3512.17	-	22.63	0.00	3489.54
RW - 3	03/15/22	3512.17	-	22.62	0.00	3489.55
RW - 3	04/20/22	3512.17	-	22.59	0.00	3489.58
RW - 3	05/10/22	3512.17	-	22.84	0.00	3489.33
RW - 3	08/16/22	3512.17	-	23.09	0.00	3489.08
RW - 3	11/10/22	3512.17	-	22.98	0.00	3489.19
RW - 4	11/05/02	3507.22	-	19.43	0.00	3487.79
RW - 4	11/06/02	3507.22	-	19.42	0.00	3487.80
RW - 4	11/12/02	3507.22	-	19.39	0.00	3487.83
RW - 4	01/07/03	3507.22	-	19.12	0.00	3488.10
RW - 4	01/27/03	3507.22	-	19.01	0.00	3488.21
RW - 4	03/11/03	3507.22	-	18.98	0.00	3488.24
RW - 4	03/19/03	3507.22	-	18.97	0.00	3488.25
RW - 4	04/16/03	3507.22	-	18.94	0.00	3488.28
RW - 4	04/29/03	3507.22	-	18.91	0.00	3488.31
RW - 4	05/14/03	3507.22	-	19.10	0.00	3488.12
RW - 4	05/20/03	3507.22	-	19.23	0.00	3487.99



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	05/27/03	3507.22	-	19.26	0.00	3487.96
RW - 4	06/04/03	3507.22	-	19.21	0.00	3488.01
RW - 4	07/07/03	3507.22	-	19.64	0.00	3487.58
RW - 4	07/30/03	3507.22	-	19.72	0.00	3487.50
RW - 4	08/06/03	3507.22	-	19.92	0.00	3487.30
RW - 4	08/21/03	3507.22	sheen	20.14	0.00	3487.08
RW - 4	08/26/03	3507.22	-	20.17	0.00	3487.05
RW - 4	09/08/03	3507.22	-	20.18	0.00	3487.04
RW - 4	09/15/03	3507.22	-	20.20	0.00	3487.02
RW - 4	09/24/03	3507.22	-	20.31	0.00	3486.91
RW - 4	10/02/03	3507.22	-	20.18	0.00	3487.04
RW - 4	10/08/03	3507.22	-	20.08	0.00	3487.14
RW - 4	10/16/03	3507.22	-	20.41	0.00	3486.81
RW - 4	10/28/03	3507.22	-	20.50	0.00	3486.72
RW - 4	11/11/03	3507.22	-	20.57	0.00	3486.65
RW - 4	11/18/03	3507.22	-	20.29	0.00	3486.93
RW - 4	12/10/03	3507.22	20.11	20.14	0.03	3487.11
RW - 4	02/02/04	3507.22	-	20.47	0.00	3486.75
RW - 4	02/11/04	3507.22	19.92	19.94	0.02	3487.30
RW - 4	02/26/04	3507.22	-	20.04	0.00	3487.18
RW - 4	03/16/04	3507.22	-	20.21	0.00	3487.01
RW - 4	03/19/04	3507.22	-	20.19	0.00	3487.03
RW - 4	03/25/04	3507.22	-	20.19	0.00	3487.03
RW - 4	04/01/04	3507.22	-	20.09	0.00	3487.13
RW - 4	04/08/04	3507.22	-	20.14	0.00	3487.08
RW - 4	04/14/04	3507.22	-	19.39	0.00	3487.83
RW - 4	04/16/04	3507.22	-	19.54	0.00	3487.68
RW - 4	04/22/04	3507.22	-	18.71	0.00	3488.51
RW - 4	04/29/04	3507.22	-	18.74	0.00	3488.48
RW - 4	05/11/04	3507.22	-	18.74	0.00	3488.48
RW - 4	06/08/04	3507.22	-	18.83	0.00	3488.39
RW - 4	06/17/04	3507.22	-	18.80	0.00	3488.42
RW - 4	06/22/04	3507.22	-	18.83	0.00	3488.39
RW - 4	06/29/04	3507.22	-	18.81	0.00	3488.41
RW - 4	07/06/04	3507.22	-	18.82	0.00	3488.40
RW - 4	07/13/04	3507.22	-	18.87	0.00	3488.35
RW - 4	07/20/04	3507.22	-	18.97	0.00	3488.25
RW - 4	08/04/04	3507.22	-	18.99	0.00	3488.23
RW - 4	08/10/04	3507.22	-	18.97	0.00	3488.25
RW - 4	08/16/04	3507.22	19.20	19.23	0.03	3488.02
RW - 4	08/23/04	3507.22	19.14	19.17	0.03	3488.08
RW - 4	08/25/04	3507.22	19.10	19.15	0.05	3488.11
RW - 4	08/26/04	3507.22	sheen	19.10	0.00	3488.12
RW - 4	08/31/04	3507.22	sheen	19.22	0.00	3488.00
RW - 4	09/13/04	3507.22	19.26	19.30	0.04	3487.95
RW - 4	09/20/04	3507.22	sheen	19.34	0.00	3487.88
RW - 4	09/30/04	3507.22	sheen	19.29	0.00	3487.93
RW - 4	10/04/04	3507.22	sheen	18.90	0.00	3488.32
RW - 4	10/11/04	3507.22	sheen	18.70	0.00	3488.52
RW - 4	10/18/04	3507.22	sheen	18.66	0.00	3488.56
RW - 4	10/26/04	3507.22	sheen	18.70	0.00	3488.52
RW - 4	11/02/04	3507.22	sheen	18.77	0.00	3488.45
RW - 4	11/08/04	3507.22	sheen	18.65	0.00	3488.57
RW - 4	11/15/04	3507.22	sheen	18.56	0.00	3488.66

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	12/01/04	3507.22	sheen	18.50	0.00	3488.72
RW - 4	12/03/04	3507.22	sheen	18.50	0.00	3488.72
RW - 4	12/14/04	3507.22	sheen	18.38	0.00	3488.84
RW - 4	12/21/04	3507.22	sheen	18.63	0.00	3488.59
RW - 4	12/29/04	3507.22	sheen	18.25	0.00	3488.97
RW - 4	01/11/05	3507.22	sheen	18.17	0.00	3489.05
RW - 4	01/14/05	3507.22	sheen	18.15	0.00	3489.07
RW - 4	01/21/05	3507.22	sheen	18.14	0.00	3489.08
RW - 4	01/25/05	3507.22	sheen	18.08	0.00	3489.14
RW - 4	01/28/05	3507.22	sheen	18.14	0.00	3489.08
RW - 4	02/02/05	3507.22	sheen	18.04	0.00	3489.18
RW - 4	02/05/05	3507.22	sheen	17.95	0.00	3489.27
RW - 4	02/08/05	3507.22	sheen	18.00	0.00	3489.22
RW - 4	02/11/05	3507.22	sheen	18.02	0.00	3489.20
RW - 4	02/15/05	3507.22	sheen	17.91	0.00	3489.31
RW - 4	02/18/05	3507.22	sheen	17.90	0.00	3489.32
RW - 4	02/22/05	3507.22	sheen	17.94	0.00	3489.28
RW - 4	02/25/05	3507.22	sheen	17.94	0.00	3489.28
RW - 4	03/01/05	3507.22	sheen	17.92	0.00	3489.30
RW - 4	03/04/05	3507.22	sheen	17.89	0.00	3489.33
RW - 4	03/08/05	3507.22	sheen	17.84	0.00	3489.38
RW - 4	03/08/05	3507.22	sheen	17.84	0.00	3489.38
RW - 4	03/11/05	3507.22	sheen	17.87	0.00	3489.35
RW - 4	03/15/05	3507.22	sheen	17.82	0.00	3489.40
RW - 4	03/18/05	3507.22	sheen	17.88	0.00	3489.34
RW - 4	03/22/05	3507.22	sheen	17.71	0.00	3489.51
RW - 4	03/28/05	3507.22	sheen	17.68	0.00	3489.54
RW - 4	04/01/05	3507.22	sheen	17.70	0.00	3489.52
RW - 4	04/05/05	3507.22	sheen	17.68	0.00	3489.54
RW - 4	04/08/05	3507.22	sheen	17.69	0.00	3489.53
RW - 4	04/12/05	3507.22	sheen	17.65	0.00	3489.57
RW - 4	04/15/05	3507.22	sheen	17.62	0.00	3489.60
RW - 4	05/25/05	3507.22	sheen	17.43	0.00	3489.79
RW - 4	05/27/05	3507.22	sheen	17.42	0.00	3489.80
RW - 4	05/31/05	3507.22	sheen	17.40	0.00	3489.82
RW - 4	06/03/05	3507.22	sheen	17.35	0.00	3489.87
RW - 4	06/06/05	3507.22	sheen	17.36	0.00	3489.86
RW - 4	06/08/05	3507.22	sheen	17.36	0.00	3489.86
RW - 4	06/13/05	3507.22	sheen	17.35	0.00	3489.87
RW - 4	06/20/05	3507.22	sheen	17.38	0.00	3489.84
RW - 4	06/24/05	3507.22	sheen	17.39	0.00	3489.83
RW - 4	06/27/05	3507.22	sheen	17.34	0.00	3489.88
RW - 4	07/11/05	3507.22	sheen	17.48	0.00	3489.74
RW - 4	07/15/05	3507.22	sheen	17.51	0.00	3489.71
RW - 4	07/18/05	3507.22	sheen	17.62	0.00	3489.60
RW - 4	07/21/05	3507.22	sheen	17.63	0.00	3489.59
RW - 4	07/25/05	3507.22	sheen	17.74	0.00	3489.48
RW - 4	08/01/05	3507.22	sheen	17.66	0.00	3489.56
RW - 4	08/04/05	3507.22	sheen	17.66	0.00	3489.56
RW - 4	08/12/05	3507.22	sheen	17.75	0.00	3489.47
RW - 4	08/15/05	3507.22	17.71	17.72	0.01	3489.51
RW - 4	08/23/05	3507.22	sheen	17.60	0.00	3489.62
RW - 4	08/30/05	3507.22	sheen	17.53	0.00	3489.69
RW - 4	09/06/05	3507.22	sheen	17.44	0.00	3489.78

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	09/13/05	3507.22	17.48	17.49	0.01	3489.74
RW - 4	09/15/05	3507.22	17.47	17.48	0.01	3489.75
RW - 4	09/19/05	3507.22	sheen	17.55	0.00	3489.67
RW - 4	09/27/05	3507.22	sheen	17.56	0.00	3489.66
RW - 4	10/03/05	3507.22	sheen	17.64	0.00	3489.58
RW - 4	10/08/05	3507.22	sheen	17.34	0.00	3489.88
RW - 4	10/10/05	3507.22	sheen	17.54	0.00	3489.68
RW - 4	10/17/05	3507.22	sheen	17.49	0.00	3489.73
RW - 4	10/24/05	3507.22	sheen	17.48	0.00	3489.74
RW - 4	10/31/05	3507.22	sheen	17.39	0.00	3489.83
RW - 4	11/15/05	3507.22	sheen	17.49	0.00	3489.73
RW - 4	11/22/05	3507.22	sheen	17.40	0.00	3489.82
RW - 4	11/27/05	3507.22	17.35	17.36	0.01	3489.87
RW - 4	12/07/05	3507.22	17.36	17.37	0.01	3489.86
RW - 4	12/12/05	3507.22	17.31	17.34	0.03	3489.91
RW - 4	12/16/05	3507.22	17.33	17.34	0.01	3489.89
RW - 4	12/22/05	3507.22	17.35	17.37	0.02	3489.87
RW - 4	12/27/05	3507.22	sheen	17.38	0.00	3489.84
RW - 4	01/03/06	3507.22	sheen	17.46	0.00	3489.76
RW - 4	01/09/06	3507.22	sheen	17.47	0.00	3489.75
RW - 4	01/16/06	3507.22	sheen	17.56	0.00	3489.66
RW - 4	01/23/06	3507.22	sheen	17.39	0.00	3489.83
RW - 4	01/30/06	3507.22	sheen	17.38	0.00	3489.84
RW - 4	02/06/06	3507.22	sheen	17.33	0.00	3489.89
RW - 4	02/14/06	3507.22	sheen	17.33	0.00	3489.89
RW - 4	02/21/06	3507.22	sheen	17.29	0.00	3489.93
RW - 4	03/01/06	3507.22	sheen	17.27	0.00	3489.95
RW - 4	03/06/06	3507.22	sheen	17.29	0.00	3489.93
RW - 4	03/15/06	3507.22	sheen	17.20	0.00	3490.02
RW - 4	03/16/06	3507.22	17.28	17.29	0.01	3489.94
RW - 4	03/21/06	3507.22	sheen	17.34	0.00	3489.88
RW - 4	03/28/06	3507.22	sheen	17.36	0.00	3489.86
RW - 4	04/03/06	3507.22	sheen	17.29	0.00	3489.93
RW - 4	04/17/06	3507.22	sheen	17.20	0.00	3490.02
RW - 4	05/01/06	3507.22	sheen	17.18	0.00	3490.04
RW - 4	05/08/06	3507.22	sheen	17.23	0.00	3489.99
RW - 4	05/15/06	3507.22	sheen	17.33	0.00	3489.89
RW - 4	05/30/06	3507.22	17.50	17.51	0.01	3489.72
RW - 4	06/05/06	3507.22	sheen	17.66	0.00	3489.56
RW - 4	06/12/06	3507.22	17.87	17.88	0.01	3489.35
RW - 4	06/15/06	3507.22	17.71	17.82	0.11	3489.49
RW - 4	06/19/06	3507.22	17.82	17.88	0.06	3489.39
RW - 4	07/03/06	3507.22	17.90	17.91	0.01	3489.32
RW - 4	07/10/06	3507.22	17.89	17.90	0.01	3489.33
RW - 4	07/17/06	3507.22	sheen	17.76	0.00	3489.46
RW - 4	07/26/06	3507.22	17.89	17.90	0.01	3489.33
RW - 4	07/31/06	3507.22	sheen	17.94	0.00	3489.28
RW - 4	08/07/06	3507.22	17.97	18.01	0.04	3489.24
RW - 4	08/17/06	3507.22	sheen	17.89	0.00	3489.33
RW - 4	08/21/06	3507.22	sheen	17.82	0.00	3489.40
RW - 4	09/06/06	3507.22	19.52	19.53	0.01	3487.70
RW - 4	09/11/06	3507.22	sheen	18.54	0.00	3488.68
RW - 4	09/18/06	3507.22	17.49	17.51	0.02	3489.73
RW - 4	09/25/06	3507.22	17.50	17.56	0.06	3489.71

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	10/02/06	3507.22	17.46	17.53	0.07	3489.75
RW - 4	10/09/06	3507.22	17.58	17.61	0.03	3489.64
RW - 4	10/17/06	3507.22	17.59	17.60	0.01	3489.63
RW - 4	10/23/06	3507.22	17.50	17.52	0.02	3489.72
RW - 4	10/30/06	3507.22	17.48	17.51	0.03	3489.74
RW - 4	11/06/06	3507.22	sheen	17.53	0.00	3489.69
RW - 4	11/13/06	3507.22	sheen	17.54	0.00	3489.68
RW - 4	11/20/06	3507.22	17.45	17.49	0.04	3489.76
RW - 4	11/27/06	3507.22	sheen	17.52	0.00	3489.70
RW - 4	11/30/06	3507.22	17.63	17.64	0.01	3489.59
RW - 4	12/04/06	3507.22	sheen	17.53	0.00	3489.69
RW - 4	12/12/06	3507.22	sheen	17.56	0.00	3489.66
RW - 4	12/18/06	3507.22	17.48	17.64	0.16	3489.72
RW - 4	01/02/07	3507.22	17.38	17.42	0.04	3489.83
RW - 4	01/11/07	3507.22	17.42	17.43	0.01	3489.80
RW - 4	01/18/07	3507.22	17.34	17.37	0.03	3489.88
RW - 4	01/22/07	3507.22	17.41	17.44	0.03	3489.81
RW - 4	02/05/07	3507.22	17.44	17.46	0.02	3489.78
RW - 4	02/12/07	3507.22	-	17.35	0.00	3489.87
RW - 4	02/19/07	3507.22	-	17.34	0.00	3489.88
RW - 4	02/27/07	3507.22	17.27	17.33	0.06	3489.94
RW - 4	03/05/07	3507.22	17.29	17.35	0.06	3489.92
RW - 4	03/12/07	3507.22	17.35	17.36	0.01	3489.87
RW - 4	03/19/07	3507.22	17.36	17.38	0.02	3489.86
RW - 4	04/02/07	3507.22	sheen	17.32	0.00	3489.90
RW - 4	04/09/07	3507.22	17.25	17.26	0.01	3489.97
RW - 4	05/01/07	3507.22	17.26	17.27	0.01	3489.96
RW - 4	05/12/07	3507.22	17.26	17.27	0.01	3489.96
RW - 4	05/17/07	3507.22	17.16	17.17	0.01	3490.06
RW - 4	05/21/07	3507.22	17.14	17.16	0.02	3490.08
RW - 4	05/22/07	3507.22	17.14	17.16	0.02	3490.08
RW - 4	06/01/07	3507.22	-	17.12	0.00	3490.10
RW - 4	06/06/07	3507.22	sheen	17.16	0.00	3490.06
RW - 4	06/11/07	3507.22	17.19	17.21	0.02	3490.03
RW - 4	06/19/07	3507.22	sheen	17.30	0.00	3489.92
RW - 4	06/25/07	3507.22	sheen	17.43	0.00	3489.79
RW - 4	07/03/07	3507.22	sheen	17.53	0.00	3489.69
RW - 4	07/23/07	3507.22	sheen	17.70	0.00	3489.52
RW - 4	07/31/07	3507.22	sheen	17.79	0.00	3489.43
RW - 4	08/15/07	3507.22	sheen	17.92	0.00	3489.30
RW - 4	09/24/07	3507.22	sheen	17.87	0.00	3489.35
RW - 4	11/05/07	3507.22	sheen	17.66	0.00	3489.56
RW - 4	11/06/07	3507.22	sheen	17.76	0.00	3489.46
RW - 4	11/12/07	3507.22	sheen	17.82	0.00	3489.40
RW - 4	11/30/07	3507.22	sheen	17.80	0.00	3489.42
RW - 4	12/14/07	3507.22	sheen	17.60	0.00	3489.62
RW - 4	01/09/08	3507.22	sheen	17.56	0.00	3489.66
RW - 4	01/16/08	3507.22	sheen	17.62	0.00	3489.60
RW - 4	01/21/08	3507.22	sheen	17.63	0.00	3489.59
RW - 4	01/30/08	3507.22	sheen	17.46	0.00	3489.76
RW - 4	02/08/08	3507.22	sheen	17.56	0.00	3489.66
RW - 4	02/12/08	3507.22	-	17.53	0.00	3489.69
RW - 4	02/14/08	3507.22	sheen	17.54	0.00	3489.68
RW - 4	02/20/08	3507.22	sheen	17.49	0.00	3489.73

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	02/28/08	3507.22	sheen	17.53	0.00	3489.69
RW - 4	03/05/08	3507.22	sheen	17.57	0.00	3489.65
RW - 4	03/13/08	3507.22	sheen	17.50	0.00	3489.72
RW - 4	03/19/08	3507.22	sheen	17.52	0.00	3489.70
RW - 4	03/24/08	3507.22	sheen	17.51	0.00	3489.71
RW - 4	04/02/08	3507.22	sheen	17.51	0.00	3489.71
RW - 4	04/14/08	3507.22	sheen	17.50	0.00	3489.72
RW - 4	05/07/08	3507.22	sheen	17.47	0.00	3489.75
RW - 4	05/13/08	3507.22	sheen	17.45	0.00	3489.77
RW - 4	05/14/08	3507.22	sheen	17.49	0.00	3489.73
RW - 4	06/09/08	3507.22	sheen	18.02	0.00	3489.20
RW - 4	06/16/08	3507.22	sheen	17.52	0.00	3489.70
RW - 4	06/23/08	3507.22	sheen	17.92	0.00	3489.30
RW - 4	06/30/08	3507.22	18.07	18.08	0.01	3489.15
RW - 4	07/14/08	3507.22	sheen	18.17	0.00	3489.05
RW - 4	07/29/08	3507.22	sheen	18.17	0.00	3489.05
RW - 4	08/04/08	3507.22	sheen	18.20	0.00	3489.02
RW - 4	08/14/08	3507.22	sheen	18.28	0.00	3488.94
RW - 4	08/18/08	3507.22	sheen	18.25	0.00	3488.97
RW - 4	08/28/08	3507.22	sheen	18.22	0.00	3489.00
RW - 4	09/17/08	3507.22	sheen	17.95	0.00	3489.27
RW - 4	09/29/08	3507.22	sheen	17.96	0.00	3489.26
RW - 4	10/06/08	3507.22	sheen	17.97	0.00	3489.25
RW - 4	10/13/08	3507.22	sheen	17.92	0.00	3489.30
RW - 4	10/20/08	3507.22	sheen	18.10	0.00	3489.12
RW - 4	10/29/08	3507.22	sheen	17.77	0.00	3489.45
RW - 4	11/06/08	3507.22	sheen	17.81	0.00	3489.41
RW - 4	11/12/08	3507.22	sheen	17.84	0.00	3489.38
RW - 4	11/13/08	3507.22	sheen	17.84	0.00	3489.38
RW - 4	12/22/08	3507.22	sheen	17.78	0.00	3489.44
RW - 4	01/06/09	3507.22	sheen	17.74	0.00	3489.48
RW - 4	01/12/09	3507.22	sheen	17.74	0.00	3489.48
RW - 4	01/19/09	3507.22	sheen	18.73	0.00	3488.49
RW - 4	01/26/09	3507.22	sheen	17.71	0.00	3489.51
RW - 4	02/10/09	3507.22	sheen	17.69	0.00	3489.53
RW - 4	02/13/09	3507.22	sheen	17.69	0.00	3489.53
RW - 4	02/16/09	3507.22	sheen	17.62	0.00	3489.60
RW - 4	02/24/09	3507.22	sheen	17.62	0.00	3489.60
RW - 4	03/02/09	3507.22	sheen	17.69	0.00	3489.53
RW - 4	03/05/09	3507.22	sheen	17.70	0.00	3489.52
RW - 4	03/09/09	3507.22	sheen	17.65	0.00	3489.57
RW - 4	03/16/09	3507.22	sheen	17.78	0.00	3489.44
RW - 4	03/19/09	3507.22	sheen	17.72	0.00	3489.50
RW - 4	03/25/09	3507.22	sheen	17.75	0.00	3489.47
RW - 4	03/30/09	3507.22	sheen	17.73	0.00	3489.49
RW - 4	04/13/09	3507.22	sheen	17.61	0.00	3489.61
RW - 4	04/16/09	3507.22	sheen	17.75	0.00	3489.47
RW - 4	04/21/09	3507.22	sheen	17.77	0.00	3489.45
RW - 4	04/27/09	3507.22	sheen	17.64	0.00	3489.58
RW - 4	04/30/09	3507.22	sheen	17.76	0.00	3489.46
RW - 4	05/06/09	3507.22	sheen	17.77	0.00	3489.45
RW - 4	05/12/09	3507.22	sheen	17.62	0.00	3489.60
RW - 4	05/19/09	3507.22	sheen	17.66	0.00	3489.56
RW - 4	05/26/09	3507.22	sheen	17.71	0.00	3489.51

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	06/01/09	3507.22	sheen	17.80	0.00	3489.42
RW - 4	06/12/09	3507.22	sheen	17.95	0.00	3489.27
RW - 4	06/15/09	3507.22	sheen	17.88	0.00	3489.34
RW - 4	06/22/09	3507.22	-	18.02	0.00	3489.20
RW - 4	06/24/09	3507.22	sheen	17.80	0.00	3489.42
RW - 4	06/29/09	3507.22	sheen	18.02	0.00	3489.20
RW - 4	07/06/09	3507.22	sheen	18.25	0.00	3488.97
RW - 4	07/09/09	3507.22	sheen	17.68	0.00	3489.54
RW - 4	07/13/09	3507.22	sheen	17.69	0.00	3489.53
RW - 4	07/20/09	3507.22	sheen	17.67	0.00	3489.55
RW - 4	07/23/09	3507.22	sheen	18.27	0.00	3488.95
RW - 4	07/27/09	3507.22	sheen	18.28	0.00	3488.94
RW - 4	07/29/09	3507.22	-	18.25	0.00	3488.97
RW - 4	08/03/09	3507.22	sheen	18.11	0.00	3489.11
RW - 4	08/10/09	3507.22	sheen	18.29	0.00	3488.93
RW - 4	08/10/09	3507.22	sheen	18.29	0.00	3488.93
RW - 4	08/18/09	3507.22	sheen	18.28	0.00	3488.94
RW - 4	08/24/09	3507.22	sheen	18.38	0.00	3488.84
RW - 4	08/28/09	3507.22	sheen	18.32	0.00	3488.90
RW - 4	08/31/09	3507.22	sheen	18.48	0.00	3488.74
RW - 4	09/02/09	3507.22	sheen	18.35	0.00	3488.87
RW - 4	09/08/09	3507.22	sheen	18.49	0.00	3488.73
RW - 4	09/10/09	3507.22	sheen	18.40	0.00	3488.82
RW - 4	09/16/09	3507.22	sheen	18.45	0.00	3488.77
RW - 4	09/18/09	3507.22	sheen	18.42	0.00	3488.80
RW - 4	09/22/09	3507.22	sheen	18.52	0.00	3488.70
RW - 4	09/28/09	3507.22	sheen	18.34	0.00	3488.88
RW - 4	10/09/09	3507.22	sheen	18.46	0.00	3488.76
RW - 4	10/12/09	3507.22	sheen	17.69	0.00	3489.53
RW - 4	10/20/09	3507.22	sheen	18.54	0.00	3488.68
RW - 4	10/26/09	3507.22	sheen	18.69	0.00	3488.53
RW - 4	10/28/09	3507.22	sheen	18.63	0.00	3488.59
RW - 4	11/03/09	3507.22	sheen	18.52	0.00	3488.70
RW - 4	11/12/09	3507.22	sheen	18.45	0.00	3488.77
RW - 4	11/18/09	3507.22	sheen	18.58	0.00	3488.64
RW - 4	12/03/09	3507.22	sheen	18.48	0.00	3488.74
RW - 4	12/11/09	3507.22	sheen	18.45	0.00	3488.77
RW - 4	12/16/09	3507.22	sheen	18.45	0.00	3488.77
RW - 4	12/21/09	3507.22	sheen	18.52	0.00	3488.70
RW - 4	12/28/09	3507.22	sheen	18.57	0.00	3488.65
RW - 4	01/04/10	3507.22	sheen	18.48	0.00	3488.74
RW - 4	01/14/10	3507.22	sheen	18.48	0.00	3488.74
RW - 4	01/20/10	3507.22	sheen	18.35	0.00	3488.87
RW - 4	01/25/10	3507.22	sheen	18.49	0.00	3488.73
RW - 4	01/27/10	3507.22	sheen	18.36	0.00	3488.86
RW - 4	02/01/10	3507.22	sheen	18.24	0.00	3488.98
RW - 4	02/08/10	3507.22	sheen	18.24	0.00	3488.98
RW - 4	02/09/10	3507.22	sheen	18.44	0.00	3488.78
RW - 4	02/19/10	3507.22	-	18.21	0.00	3489.01
RW - 4	02/26/10	3507.22	sheen	18.27	0.00	3488.95
RW - 4	03/01/10	3507.22	sheen	18.46	0.00	3488.76
RW - 4	03/04/10	3507.22	sheen	18.24	0.00	3488.98
RW - 4	03/08/10	3507.22	sheen	18.27	0.00	3488.95
RW - 4	03/11/10	3507.22	sheen	18.53	0.00	3488.69

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	03/15/10	3507.22	sheen	18.25	0.00	3488.97
RW - 4	03/17/10	3507.22	sheen	18.10	0.00	3489.12
RW - 4	03/22/10	3507.22	sheen	18.07	0.00	3489.15
RW - 4	03/29/10	3507.22	sheen	18.05	0.00	3489.17
RW - 4	04/05/10	3507.22	sheen	18.10	0.00	3489.12
RW - 4	04/14/10	3507.22	sheen	18.05	0.00	3489.17
RW - 4	04/16/10	3507.22	sheen	17.99	0.00	3489.23
RW - 4	04/19/10	3507.22	sheen	18.08	0.00	3489.14
RW - 4	04/28/10	3507.22	sheen	17.99	0.00	3489.23
RW - 4	05/05/10	3507.22	sheen	17.90	0.00	3489.32
RW - 4	05/12/10	3507.22	sheen	18.00	0.00	3489.22
RW - 4	05/14/10	3507.22	sheen	18.01	0.00	3489.21
RW - 4	05/21/10	3507.22	sheen	18.00	0.00	3489.22
RW - 4	05/26/10	3507.22	sheen	17.92	0.00	3489.30
RW - 4	06/04/10	3507.22	sheen	18.03	0.00	3489.19
RW - 4	06/07/10	3507.22	sheen	18.08	0.00	3489.14
RW - 4	06/12/10	3507.22	sheen	18.12	0.00	3489.10
RW - 4	06/24/10	3507.22	sheen	18.23	0.00	3488.99
RW - 4	07/07/10	3507.22	sheen	17.96	0.00	3489.26
RW - 4	07/12/10	3507.22	sheen	17.74	0.00	3489.48
RW - 4	07/19/10	3507.22	sheen	17.68	0.00	3489.54
RW - 4	07/26/10	3507.22	<b>DID NOT GAUGE</b>		0.00	3507.22
RW - 4	08/03/10	3507.22	-	17.59	0.00	3489.63
RW - 4	08/11/10	3507.22	sheen	17.59	0.00	3489.63
RW - 4	08/19/10	3507.22	sheen	17.58	0.00	3489.64
RW - 4	08/25/10	3507.22	sheen	17.66	0.00	3489.56
RW - 4	09/01/10	3507.22	sheen	17.73	0.00	3489.49
RW - 4	09/09/10	3507.22	sheen	17.91	0.00	3489.31
RW - 4	09/13/10	3507.22	sheen	17.61	0.00	3489.61
RW - 4	09/29/10	3507.22	sheen	17.90	0.00	3489.32
RW - 4	10/05/10	3507.22	sheen	17.63	0.00	3489.59
RW - 4	10/20/10	3507.22	sheen	17.65	0.00	3489.57
RW - 4	10/25/10	3507.22	sheen	17.65	0.00	3489.57
RW - 4	11/03/10	3507.22	sheen	17.62	0.00	3489.60
RW - 4	11/10/10	3507.22	sheen	18.01	0.00	3489.21
RW - 4	11/12/10	3507.22	sheen	18.01	0.00	3489.21
RW - 4	12/09/10	3507.22	sheen	17.62	0.00	3489.60
RW - 4	01/18/11	3507.22	sheen	18.02	0.00	3489.20
RW - 4	02/16/11	3507.22	sheen	18.03	0.00	3489.19
RW - 4	03/01/11	3507.22	sheen	18.82	0.00	3488.40
RW - 4	03/07/11	3507.22	sheen	17.79	0.00	3489.43
RW - 4	03/22/11	3507.22	sheen	18.03	0.00	3489.19
RW - 4	04/27/11	3507.22	sheen	17.85	0.00	3489.37
RW - 4	05/05/11	3507.22	sheen	17.86	0.00	3489.36
RW - 4	05/19/11	3507.22	sheen	18.06	0.00	3489.16
RW - 4	06/08/11	3507.22	sheen	18.20	0.00	3489.02
RW - 4	07/06/11	3507.22	sheen	18.34	0.00	3488.88
RW - 4	07/14/11	3507.22	sheen	18.43	0.00	3488.79
RW - 4	07/20/11	3507.22	-	18.39	0.00	3488.83
RW - 4	07/27/11	3507.22	-	18.50	0.00	3488.72
RW - 4	08/03/11	3507.22	-	18.47	0.00	3488.75
RW - 4	08/10/11	3507.22	-	18.51	0.00	3488.71
RW - 4	08/18/11	3507.22	-	18.48	0.00	3488.74
RW - 4	08/25/11	3507.22	-	18.55	0.00	3488.67

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	09/07/11	3507.22	-	18.17	0.00	3489.05
RW - 4	09/14/11	3507.22	-	18.76	0.00	3488.46
RW - 4	11/14/11	3507.22	-	18.53	0.00	3488.69
RW - 4	12/01/11	3507.22	-	18.57	0.00	3488.65
RW - 4	12/08/11	3507.22	-	18.52	0.00	3488.70
RW - 4	12/14/11	3507.22	-	18.55	0.00	3488.67
RW - 4	01/12/12	3507.22	-	18.56	0.00	3488.66
RW - 4	01/19/12	3507.22	-	18.52	0.00	3488.70
RW - 4	02/03/12	3507.22	-	18.52	0.00	3488.70
RW - 4	02/29/12	3507.22	-	18.26	0.00	3488.96
RW - 4	05/02/12	3507.22	-	18.18	0.00	3489.04
RW - 4	12/06/12	3507.22	-	20.44	0.00	3486.78
RW - 4	12/11/12	3507.22	-	20.46	0.00	3486.76
RW - 4	12/18/12	3507.22	-	20.43	0.00	3486.79
RW - 4	01/09/13	3507.22	-	20.39	0.00	3486.83
RW - 4	01/15/13	3507.22	-	20.35	0.00	3486.87
RW - 4	01/23/13	3507.22	-	20.36	0.00	3486.86
RW - 4	01/29/13	3507.22	-	20.35	0.00	3486.87
RW - 4	02/07/13	3507.22	-	20.35	0.00	3486.87
RW - 4	02/13/13	3507.22	-	20.38	0.00	3486.84
RW - 4	02/20/13	3507.22	-	20.64	0.00	3486.58
RW - 4	02/25/13	3507.22	-	20.51	0.00	3486.71
RW - 4	04/30/13	3507.22	-	20.30	0.00	3486.92
RW - 4	05/08/13	3507.22	-	20.32	0.00	3486.90
RW - 4	05/22/13	3507.22	-	20.33	0.00	3486.89
RW - 4	06/04/13	3507.22	-	20.28	0.00	3486.94
RW - 4	06/19/13	3507.22	-	20.25	0.00	3486.97
RW - 4	06/28/13	3507.22	-	20.46	0.00	3486.76
RW - 4	07/01/13	3507.22	-	20.75	0.00	3486.47
RW - 4	07/08/13	3507.22	-	20.75	0.00	3486.47
RW - 4	07/23/13	3507.22	-	20.64	0.00	3486.58
RW - 4	07/30/13	3507.22	-	20.68	0.00	3486.54
RW - 4	08/05/13	3507.22	-	20.77	0.00	3486.45
RW - 4	08/12/13	3507.22	-	20.61	0.00	3486.61
RW - 4	08/22/13	3507.22	-	20.72	0.00	3486.50
RW - 4	08/29/13	3507.22	-	20.78	0.00	3486.44
RW - 4	09/05/13	3507.22	-	20.83	0.00	3486.39
RW - 4	09/10/13	3507.22	-	20.96	0.00	3486.26
RW - 4	09/17/13	3507.22	-	20.89	0.00	3486.33
RW - 4	09/24/13	3507.22	-	20.84	0.00	3486.38
RW - 4	10/07/13	3507.22	-	20.86	0.00	3486.36
RW - 4	11/14/13	-	-	23.14	0.00	-
RW - 4	11/20/13	-	-	23.15	0.00	-
RW - 4	12/12/13	-	-	23.12	0.00	-
RW - 4	12/19/13	-	-	23.10	0.00	-
RW - 4	01/03/14	-	-	23.18	0.00	-
RW - 4	01/09/14	-	-	23.09	0.00	-
RW - 4	01/13/14	-	-	23.20	0.00	-
RW - 4	01/21/14	-	-	23.05	0.00	-
RW - 4	01/24/14	-	-	23.15	0.00	-
RW - 4	02/04/14	3512.62	-	23.06	0.00	3489.56
RW - 4	02/10/14	3512.62	-	23.06	0.00	3489.56
RW - 4	02/27/14	3512.62	-	23.40	0.00	3489.22
RW - 4	03/17/14	3512.62	-	22.94	0.00	3489.68



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	03/27/14	3512.62	-	22.89	0.00	3489.73
RW - 4	04/02/14	3512.62	-	22.88	0.00	3489.74
RW - 4	04/16/14	3512.62	-	22.72	0.00	3489.90
RW - 4	04/22/14	3512.62	-	22.73	0.00	3489.89
RW - 4	04/28/14	3512.62	-	22.75	0.00	3489.87
RW - 4	05/06/14	3512.62	-	22.71	0.00	3489.91
RW - 4	05/13/14	3512.62	-	22.76	0.00	3489.86
RW - 4	05/14/14	3512.62	-	22.75	0.00	3489.87
RW - 4	05/21/14	3512.62	-	22.73	0.00	3489.89
RW - 4	06/05/14	3512.62	-	22.85	0.00	3489.77
RW - 4	06/11/14	3512.62	-	22.92	0.00	3489.70
RW - 4	06/16/14	3512.62	-	23.01	0.00	3489.61
RW - 4	06/24/14	3512.62	-	23.11	0.00	3489.51
RW - 4	07/01/14	3512.62	-	23.18	0.00	3489.44
RW - 4	07/08/14	3512.62	-	23.23	0.00	3489.39
RW - 4	07/15/14	3512.62	-	23.29	0.00	3489.33
RW - 4	07/22/14	3512.62	-	23.33	0.00	3489.29
RW - 4	07/23/14	3512.62	-	23.33	0.00	3489.29
RW - 4	07/31/14	3512.62	-	23.38	0.00	3489.24
RW - 4	08/05/14	3512.62	-	23.39	0.00	3489.23
RW - 4	08/07/14	3512.62	-	23.39	0.00	3489.23
RW - 4	08/15/14	3512.62	-	23.41	0.00	3489.21
RW - 4	08/20/14	3512.62	-	23.43	0.00	3489.19
RW - 4	08/27/14	3512.62	-	23.47	0.00	3489.15
RW - 4	09/24/14	3512.62	-	22.85	0.00	3489.77
RW - 4	10/01/14	3512.62	-	22.49	0.00	3490.13
RW - 4	10/07/14	3512.62	-	22.40	0.00	3490.22
RW - 4	10/14/14	3512.62	22.32	22.38	0.06	3490.29
RW - 4	10/15/14	3512.62	22.32	22.38	0.06	3490.29
RW - 4	10/20/14	3512.62	22.28	22.32	0.04	3490.33
RW - 4	10/24/14	3512.62	22.30	22.33	0.03	3490.32
RW - 4	10/27/14	3512.62	22.27	22.28	0.01	3490.35
RW - 4	11/03/14	3512.62	22.25	22.50	0.25	3490.33
RW - 4	11/11/14	3512.62	22.29	22.33	0.04	3490.32
RW - 4	11/19/14	3512.62	22.21	22.63	0.42	3490.35
RW - 4	12/08/14	3512.62	22.24	22.50	0.26	3490.34
RW - 4	12/15/14	3512.62	-	22.24	0.00	3490.38
RW - 4	12/18/14	3512.62	22.20	22.26	0.06	3490.41
RW - 4	12/22/14	3512.62	22.20	22.26	0.06	3490.41
RW - 4	12/29/14	3512.62	22.23	22.26	0.03	3490.39
RW - 4	01/05/15	3512.62	22.24	22.28	0.04	3490.37
RW - 4	01/12/15	3512.62	-	22.49	0.00	3490.13
RW - 4	01/19/15	3512.62	-	22.37	0.00	3490.25
RW - 4	02/04/15	3512.62	-	22.24	0.00	3490.38
RW - 4	02/09/15	3512.62	-	22.21	0.00	3490.41
RW - 4	02/19/15	3512.62	-	22.43	0.00	3490.19
RW - 4	03/03/15	3512.62	-	22.34	0.00	3490.28
RW - 4	03/09/15	3512.62	-	22.50	0.00	3490.12
RW - 4	03/16/15	3512.62	-	22.49	0.00	3490.13
RW - 4	03/20/15	3512.62	-	22.39	0.00	3490.23
RW - 4	03/23/15	3512.62	-	22.34	0.00	3490.28
RW - 4	03/30/15	3512.62	-	22.57	0.00	3490.05
RW - 4	04/04/15	3512.62	22.77	22.84	0.07	3489.84
RW - 4	04/07/15	3512.62	-	22.32	0.00	3490.30

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	04/14/15	3512.62	-	22.25	0.00	3490.37
RW - 4	04/20/15	3512.62	-	22.23	0.00	3490.39
RW - 4	04/27/15	3512.62	-	22.24	0.00	3490.38
RW - 4	05/07/15	3512.62	-	22.19	0.00	3490.43
RW - 4	05/11/15	3512.62	-	22.20	0.00	3490.42
RW - 4	05/21/15	3512.62	-	22.16	0.00	3490.46
RW - 4	05/27/15	3512.62	-	22.13	0.00	3490.49
RW - 4	05/28/15	3512.62	-	22.13	0.00	3490.49
RW - 4	06/03/15	3512.62	-	22.17	0.00	3490.45
RW - 4	06/08/15	3512.62	-		0.00	3512.62
RW - 4	06/15/15	3512.62	-	22.11	0.00	3490.51
RW - 4	06/25/15	3512.62	-	22.16	0.00	3490.46
RW - 4	06/29/15	3512.62	-	22.15	0.00	3490.47
RW - 4	07/08/15	3512.62	-	22.23	0.00	3490.39
RW - 4	07/09/15	3512.62	-	22.22	0.00	3490.40
RW - 4	07/14/15	3512.62	-	22.25	0.00	3490.37
RW - 4	07/20/15	3512.62	-	22.28	0.00	3490.34
RW - 4	07/28/15	3512.62	-	22.42	0.00	3490.20
RW - 4	08/03/15	3512.62	-	22.45	0.00	3490.17
RW - 4	08/04/15	3512.62	-	22.46	0.00	3490.16
RW - 4	08/10/15	3512.62	-	22.54	0.00	3490.08
RW - 4	08/17/15	3512.62	-	22.55	0.00	3490.07
RW - 4	08/25/15	3512.62	-	22.48	0.00	3490.14
RW - 4	08/31/15	3512.62	-	22.51	0.00	3490.11
RW - 4	09/08/15	3512.62	-	22.57	0.00	3490.05
RW - 4	09/15/15	3512.62	-	22.55	0.00	3490.07
RW - 4	09/24/15	3512.62	-	22.75	0.00	3489.87
RW - 4	09/28/15	3512.62	-	22.79	0.00	3489.83
RW - 4	10/06/15	3512.62	-	22.74	0.00	3489.88
RW - 4	10/12/15	3512.62	-	22.73	0.00	3489.89
RW - 4	10/26/15	3512.62	-	22.68	0.00	3489.94
RW - 4	11/06/15	3512.62	-	22.39	0.00	3490.23
RW - 4	11/10/15	3512.62	-	22.25	0.00	3490.37
RW - 4	11/18/15	3512.62	-	22.32	0.00	3490.30
RW - 4	12/02/15	3512.62	-	22.30	0.00	3490.32
RW - 4	12/07/15	3512.62	-	22.17	0.00	3490.45
RW - 4	12/14/15	3512.62	-	22.25	0.00	3490.37
RW - 4	01/05/16	3512.62	-	22.17	0.00	3490.45
RW - 4	01/08/16	3512.62	-	22.20	0.00	3490.42
RW - 4	01/12/16	3512.62	-	22.29	0.00	3490.33
RW - 4	01/18/16	3512.62	-	22.20	0.00	3490.42
RW - 4	01/25/16	3512.62	-	22.16	0.00	3490.46
RW - 4	02/01/16	3512.62	-	22.15	0.00	3490.47
RW - 4	02/08/16	3512.62	-	22.21	0.00	3490.41
RW - 4	02/19/16	3512.62	-	22.14	0.00	3490.48
RW - 4	02/23/16	3512.62	-	22.13	0.00	3490.49
RW - 4	03/03/16	3512.62	-	22.13	0.00	3490.49
RW - 4	03/07/16	3512.62	-	22.14	0.00	3490.48
RW - 4	03/15/16	3512.62	-	22.12	0.00	3490.50
RW - 4	03/21/16	3512.62	-	22.08	0.00	3490.54
RW - 4	03/28/16	3512.62	-	22.07	0.00	3490.55
RW - 4	04/05/16	3512.62	-	22.05	0.00	3490.57
RW - 4	04/08/16	3512.62	-	22.07	0.00	3490.55
RW - 4	04/12/16	3512.62	-	22.16	0.00	3490.46

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	04/18/16	3512.62	-	22.03	0.00	3490.59
RW - 4	04/25/16	3512.62	-	22.00	0.00	3490.62
RW - 4	05/02/16	3512.62	-	21.98	0.00	3490.64
RW - 4	05/23/16	3512.62	-	21.92	0.00	3490.70
RW - 4	06/01/16	3512.62	-	22.05	0.00	3490.57
RW - 4	06/06/16	3512.62	-	22.01	0.00	3490.61
RW - 4	06/28/16	3512.62	-	22.20	0.00	3490.42
RW - 4	07/12/16	3512.62	-	22.39	0.00	3490.23
RW - 4	07/19/16	3512.62	-	22.46	0.00	3490.16
RW - 4	07/27/16	3512.62	-	22.54	0.00	3490.08
RW - 4	08/04/16	3512.62	-	22.62	0.00	3490.00
RW - 4	08/03/16	3512.62	-	22.60	0.00	3490.02
RW - 4	08/04/16	3512.62	-	22.62	0.00	3490.00
RW - 4	08/08/16	3512.62	-	22.70	0.00	3489.92
RW - 4	08/16/16	3512.62	-	22.77	0.00	3489.85
RW - 4	08/23/16	3512.62	-	22.79	0.00	3489.83
RW - 4	08/31/16	3512.62	-	22.52	0.00	3490.10
RW - 4	09/14/16	3512.62	-	22.10	0.00	3490.52
RW - 4	09/22/16	3512.62	-	21.90	0.00	3490.72
RW - 4	09/27/16	3512.62	-	21.80	0.00	3490.82
RW - 4	10/07/16	3512.62	-	22.82	0.00	3489.80
RW - 4	10/21/16	3512.62	-	21.83	0.00	3490.79
RW - 4	10/28/16	3512.62	-	21.86	0.00	3490.76
RW - 4	11/04/16	3512.62	-	21.69	0.00	3490.93
RW - 4	11/09/16	3512.62	-	21.58	0.00	3491.04
RW - 4	12/06/16	3512.62	-	21.56	0.00	3491.06
RW - 4	12/15/16	3512.62	-	21.62	0.00	3491.00
RW - 4	12/22/16	3512.62	-	21.93	0.00	3490.69
RW - 4	12/29/16	3512.62	-	21.77	0.00	3490.85
RW - 4	01/05/17	3512.62	-	21.85	0.00	3490.77
RW - 4	01/11/17	3512.62	-	21.81	0.00	3490.81
RW - 4	01/18/17	3512.62	-	21.68	0.00	3490.94
RW - 4	01/26/17	3512.62	-	21.92	0.00	3490.70
RW - 4	01/31/17	3512.62	-	21.70	0.00	3490.92
RW - 4	02/10/17	3512.62	-	21.75	0.00	3490.87
RW - 4	02/17/17	3512.62	-	21.66	0.00	3490.96
RW - 4	02/24/17	3512.62	-	21.60	0.00	3491.02
RW - 4	03/01/17	3512.62	-	21.71	0.00	3490.91
RW - 4	03/09/17	3512.62	-	21.86	0.00	3490.76
RW - 4	03/15/17	3512.62	-	21.80	0.00	3490.82
RW - 4	03/22/17	3512.62	-	21.83	0.00	3490.79
RW - 4	03/29/17	3512.62	-	22.01	0.00	3490.61
RW - 4	04/07/17	3512.62	-	22.02	0.00	3490.60
RW - 4	04/11/17	3512.62	-	21.60	0.00	3491.02
RW - 4	04/20/17	3512.62	-	21.60	0.00	3491.02
RW - 4	05/02/17	3512.62	-	21.57	0.00	3491.05
RW - 4	05/12/17	3512.62	-	21.59	0.00	3491.03
RW - 4	05/16/17	3512.62	-	21.56	0.00	3491.06
RW - 4	05/23/17	3512.62	-	21.64	0.00	3490.98
RW - 4	06/05/17	3512.62	-	21.68	0.00	3490.94
RW - 4	06/15/17	3512.62	-	21.82	0.00	3490.80
RW - 4	06/28/17	3512.62	-	21.91	0.00	3490.71
RW - 4	07/05/17	3512.62	-	22.01	0.00	3490.61
RW - 4	07/11/17	3512.62	-	22.05	0.00	3490.57

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	07/17/17	3512.62	-	22.09	0.00	3490.53
RW - 4	07/20/17	3512.62	-	22.20	0.00	3490.42
RW - 4	08/16/17	3512.62	-	22.19	0.00	3490.43
RW - 4	09/05/17	3512.62	-	22.06	0.00	3490.56
RW - 4	09/13/17	3512.62	-	21.48	0.00	3491.14
RW - 4	09/19/17	3512.62	-	21.52	0.00	3491.10
RW - 4	09/29/17	3512.62	-	21.12	0.00	3491.50
RW - 4	10/05/17	3512.62	-	21.10	0.00	3491.52
RW - 4	10/12/17	3512.62	-	21.82	0.00	3490.80
RW - 4	10/20/17	3512.62	-	21.80	0.00	3490.82
RW - 4	10/24/17	3512.62	-	21.95	0.00	3490.67
RW - 4	11/02/17	3512.62	-	21.82	0.00	3490.80
RW - 4	11/14/17	3512.62	-	22.02	0.00	3490.60
RW - 4	12/20/17	3512.62	-	21.99	0.00	3490.63
RW - 4	12/28/17	3512.62	-	21.73	0.00	3490.89
RW - 4	01/03/18	3512.62	-	21.67	0.00	3490.95
RW - 4	01/09/18	3512.62	-	21.62	0.00	3491.00
RW - 4	01/19/18	3512.62	-	21.64	0.00	3490.98
RW - 4	01/24/18	3512.62	-	21.67	0.00	3490.95
RW - 4	02/07/18	3512.62	-	21.88	0.00	3490.74
RW - 4	02/12/18	3512.62	-	21.81	0.00	3490.81
RW - 4	02/22/18	3512.62	-	21.64	0.00	3490.98
RW - 4	03/02/18	3512.62	-	21.60	0.00	3491.02
RW - 4	03/07/18	3512.62	-	21.62	0.00	3491.00
RW - 4	03/19/18	3512.62	-	21.59	0.00	3491.03
RW - 4	03/29/18	3512.62	-	21.58	0.00	3491.04
RW - 4	04/02/18	3512.62	-	21.56	0.00	3491.06
RW - 4	04/11/18	3512.62	-	21.56	0.00	3491.06
RW - 4	04/16/18	3512.62	-	21.04	0.00	3491.58
RW - 4	04/25/18	3512.62	-	21.58	0.00	3491.04
RW - 4	05/01/18	3512.62	-	21.56	0.00	3491.06
RW - 4	05/08/18	3512.62	-	21.57	0.00	3491.05
RW - 4	05/22/18	3512.62	-	21.88	0.00	3490.74
RW - 4	05/31/18	3512.62	-	21.91	0.00	3490.71
RW - 4	06/06/18	3512.62	-	22.39	0.00	3490.23
RW - 4	06/13/18	3512.62	-	22.39	0.00	3490.23
RW - 4	06/18/18	3512.62	-	22.13	0.00	3490.49
RW - 4	06/25/18	3512.62	-	22.09	0.00	3490.53
RW - 4	07/02/18	3512.62	-	21.14	0.00	3491.48
RW - 4	07/11/18	3512.62	-	22.28	0.00	3490.34
RW - 4	07/19/18	3512.62	-	22.26	0.00	3490.36
RW - 4	07/27/18	3512.62	-	22.32	0.00	3490.30
RW - 4	08/08/18	3512.62	-	22.43	0.00	3490.19
RW - 4	08/30/18	3512.62	-	22.49	0.00	3490.13
RW - 4	09/12/18	3512.62	-	22.55	0.00	3490.07
RW - 4	09/20/18	3512.62	-	22.41	0.00	3490.21
RW - 4	09/26/18	3512.62	-	22.50	0.00	3490.12
RW - 4	10/03/18	3512.62	-	22.39	0.00	3490.23
RW - 4	10/19/18	3512.62	-	22.39	0.00	3490.23
RW - 4	10/31/18	3512.62	-	22.28	0.00	3490.34
RW - 4	11/06/18	3512.62	-	22.35	0.00	3490.27
RW - 4	11/13/18	3512.62	-	22.58	0.00	3490.04
RW - 4	12/03/18	3512.62	-	22.12	0.00	3490.50
RW - 4	12/19/18	3512.62	-	22.22	0.00	3490.40

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 4	12/27/18	3512.62	-	22.06	0.00	3490.56
RW - 4	01/03/19	3512.62	-	22.44	0.00	3490.18
RW - 4	01/09/19	3512.62	-	22.36	0.00	3490.26
RW - 4	01/16/19	3512.62	-	22.20	0.00	3490.42
RW - 4	01/31/19	3512.62	-	22.32	0.00	3490.30
RW - 4	02/06/19	3512.62	-	22.26	0.00	3490.36
RW - 4	02/13/19	3512.62	-	22.05	0.00	3490.57
RW - 4	02/28/19	3512.62	-	22.07	0.00	3490.55
RW - 4	03/06/19	3512.62	-	21.96	0.00	3490.66
RW - 4	03/12/19	3512.62	-	22.02	0.00	3490.60
RW - 4	03/19/19	3512.62	-	22.16	0.00	3490.46
RW - 4	03/28/19	3512.62	-	22.15	0.00	3490.47
RW - 4	04/01/19	3512.62	-	22.02	0.00	3490.60
RW - 4	04/10/19	3512.62	-	22.24	0.00	3490.38
RW - 4	04/17/19	3512.62	-	21.98	0.00	3490.64
RW - 4	04/24/19	3512.62	-	22.10	0.00	3490.52
RW - 4	05/01/19	3512.62	-	22.01	0.00	3490.61
RW - 4	05/08/19	3512.62	-	21.88	0.00	3490.74
RW - 4	05/17/19	3512.62	-	22.15	0.00	3490.47
RW - 4	06/14/19	3512.62	-	22.19	0.00	3490.43
RW - 4	07/11/19	3512.62	-	22.30	0.00	3490.32
RW - 4	08/02/19	3512.62	-	22.43	0.00	3490.19
RW - 4	08/08/19	3512.62	-	22.52	0.00	3490.10
RW - 4	09/12/19	3512.62	-	22.77	0.00	3489.85
RW - 4	09/17/19	3512.62	-	22.76	0.00	3489.86
RW - 4	10/15/19	3512.62	-	22.69	0.00	3489.93
RW - 4	11/06/19	3512.62	-	22.86	0.00	3489.76
RW - 4	11/13/19	3512.62	-	22.73	0.00	3489.89
RW - 4	12/17/19	3512.62	-	22.25	0.00	3490.37
RW - 4	01/06/20	3512.62	-	22.20	0.00	3490.42
RW - 4	01/23/20	3512.62	-	22.19	0.00	3490.43
RW - 4	02/21/20	3512.62	-	22.14	0.00	3490.48
RW - 4	03/05/20	3512.62	-	22.13	0.00	3490.49
RW - 4	05/14/20	3512.62	-	21.85	0.00	3490.77
RW - 4	05/21/20	3512.62	-	21.89	0.00	3490.73
RW - 4	06/18/20	3512.62	-	21.28	0.00	3491.34
RW - 4	07/21/20	3512.62	-	22.59	0.00	3490.03
RW - 4	08/13/20	3512.62	-	22.74	0.00	3489.88
RW - 4	09/14/20	3512.62	-	22.89	0.00	3489.73
RW - 4	10/16/20	3512.62	-	22.99	0.00	3489.63
RW - 4	12/10/20	3512.62	-	22.92	0.00	3489.70
RW - 4	01/13/21	3512.62	-	22.86	0.00	3489.76
RW - 4	02/11/21	3512.62	-	22.82	0.00	3489.80
RW - 4	04/21/21	3512.62	-	22.74	0.00	3489.88
RW - 4	06/11/21	3512.62	-	22.74	0.00	3489.88
RW - 4	09/23/21	3512.62	-	23.05	0.00	3489.57
RW - 4	10/14/21	3512.62	-	23.08	0.00	3489.54
RW - 4	10/28/21	3512.62	-	23.14	0.00	3489.48
RW - 4	12/06/21	3512.62	-	23.18	0.00	3489.44
RW - 4	03/16/22	3512.62	-	23.10	0.00	3489.52
RW - 4	04/20/22	3512.62	-	23.05	0.00	3489.57
RW - 4	05/11/22	3512.62	-	23.18	0.00	3489.44
RW - 4	08/16/22	3512.62	-	23.55	0.00	3489.07
RW - 4	11/11/22	3512.62	-	23.40	0.00	3489.22

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	11/05/02	3506.91	19.37	19.86	0.49	3487.47
RW - 5	11/06/02	3506.91	19.39	19.63	0.24	3487.48
RW - 5	11/12/02	3506.91	19.31	19.97	0.66	3487.50
RW - 5	01/07/03	3506.91	18.97	20.50	1.53	3487.71
RW - 5	01/27/03	3506.91	18.97	20.04	1.07	3487.78
RW - 5	02/26/03	3506.91	18.41	19.19	0.78	3488.38
RW - 5	03/11/03	3506.91	19.01	19.48	0.47	3487.83
RW - 5	03/19/03	3506.91	18.98	19.53	0.55	3487.85
RW - 5	03/25/03	3506.91	18.89	19.58	0.69	3487.92
RW - 5	04/16/03	3506.91	18.90	19.85	0.95	3487.87
RW - 5	04/23/03	3506.91	18.86	19.92	1.06	3487.89
RW - 5	04/29/03	3506.91	18.85	19.94	1.09	3487.90
RW - 5	05/14/03	3506.91	18.97	20.19	1.22	3487.76
RW - 5	05/27/03	3506.91	19.16	20.41	1.25	3487.56
RW - 5	06/04/03	3506.91	19.80	20.42	0.62	3487.02
RW - 5	06/26/03	3506.91	18.90	19.37	0.47	3487.94
RW - 5	07/07/03	3506.91	19.48	20.96	1.48	3487.21
RW - 5	07/30/03	3506.91	19.59	20.09	0.50	3487.25
RW - 5	08/06/03	3506.91	19.89	20.49	0.60	3486.93
RW - 5	08/21/03	3506.91	19.99	20.71	0.72	3486.81
RW - 5	08/26/03	3506.91	20.16	20.87	0.71	3486.64
RW - 5	09/08/03	3506.91	19.97	20.63	0.66	3486.84
RW - 5	09/15/03	3506.91	20.62	22.10	1.48	3486.07
RW - 5	09/24/03	3506.91	20.30	20.87	0.57	3486.52
RW - 5	10/02/03	3506.91	20.12	20.95	0.83	3486.67
RW - 5	10/08/03	3506.91	19.96	20.87	0.91	3486.81
RW - 5	10/16/03	3506.91	19.34	21.21	1.87	3487.29
RW - 5	10/28/03	3506.91	20.41	21.30	0.89	3486.37
RW - 5	11/11/03	3506.91	20.41	20.69	0.28	3486.46
RW - 5	11/18/03	3506.91	20.20	21.05	0.85	3486.58
RW - 5	12/10/03	3506.91	19.88	20.78	0.90	3486.90
RW - 5	02/02/04	3506.91	20.29	21.72	1.43	3486.41
RW - 5	02/26/04	3506.91	19.91	21.07	1.16	3486.83
RW - 5	03/16/04	3506.91	20.08	21.36	1.28	3486.64
RW - 5	03/19/04	3506.91	20.12	21.33	1.21	3486.61
RW - 5	03/25/04	3506.91	20.08	21.34	1.26	3486.64
RW - 5	04/01/04	3506.91	19.99	21.22	1.23	3486.74
RW - 5	04/08/04	3506.91	19.97	21.25	1.28	3486.75
RW - 5	04/14/04	3506.91	19.19	20.72	1.53	3487.49
RW - 5	04/16/04	3506.91	19.35	20.90	1.55	3487.33
RW - 5	04/22/04	3506.91	18.53	20.23	1.70	3488.13
RW - 5	04/29/04	3506.91	18.49	20.24	1.75	3488.16
RW - 5	05/11/04	3506.91	18.50	20.40	1.90	3488.13
RW - 5	06/08/04	3506.91	18.59	20.65	2.06	3488.01
RW - 5	06/17/04	3506.91	18.53	20.66	2.13	3488.06
RW - 5	06/22/04	3506.91	18.57	20.69	2.12	3488.02
RW - 5	06/29/04	3506.91	18.55	20.74	2.19	3488.03
RW - 5	07/06/04	3506.91	18.53	20.88	2.35	3488.03
RW - 5	07/13/04	3506.91	18.57	20.81	2.24	3488.00
RW - 5	07/20/04	3506.91	19.05	19.20	0.15	3487.84
RW - 5	08/04/04	3506.91	19.06	19.21	0.15	3487.83
RW - 5	08/10/04	3506.91	19.03	19.22	0.19	3487.85
RW - 5	08/16/04	3506.91	sheen	19.20	0.00	3487.71

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	08/25/04	3506.91	19.05	19.06	0.01	3487.86
RW - 5	08/26/04	3506.91	19.03	19.09	0.06	3487.87
RW - 5	08/31/04	3506.91	19.08	19.42	0.34	3487.78
RW - 5	09/13/04	3506.91	19.29	19.50	0.21	3487.59
RW - 5	09/20/04	3506.91	19.42	19.57	0.15	3487.47
RW - 5	09/30/04	3506.91	19.56	19.65	0.09	3487.34
RW - 5	10/04/04	3506.91	18.75	19.05	0.30	3488.12
RW - 5	10/11/04	3506.91	18.73	19.05	0.32	3488.13
RW - 5	10/18/04	3506.91	18.55	18.97	0.42	3488.30
RW - 5	10/26/04	3506.91	18.55	18.87	0.32	3488.31
RW - 5	11/02/04	3506.91	18.45	18.83	0.38	3488.40
RW - 5	11/08/04	3506.91	18.67	19.00	0.33	3488.19
RW - 5	11/15/04	3506.91	18.34	19.34	1.00	3488.42
RW - 5	12/01/04	3506.91	18.18	18.51	0.33	3488.68
RW - 5	12/03/04	3506.91	18.18	18.48	0.30	3488.69
RW - 5	12/14/04	3506.91	18.23	19.23	1.00	3488.53
RW - 5	12/21/04	3506.91	18.26	18.82	0.56	3488.57
RW - 5	12/29/04	3506.91	18.26	18.75	0.49	3488.58
RW - 5	01/11/05	3506.91	18.16	18.59	0.43	3488.69
RW - 5	01/14/05	3506.91	18.20	18.52	0.32	3488.66
RW - 5	01/18/05	3506.91	18.10	18.40	0.30	3488.77
RW - 5	01/21/05	3506.91	sheen	18.15	0.00	3488.76
RW - 5	01/25/05	3506.91	18.08	18.10	0.02	3488.83
RW - 5	01/28/05	3506.91	sheen	18.04	0.00	3488.87
RW - 5	02/02/05	3506.91	17.97	18.11	0.14	3488.92
RW - 5	02/05/05	3506.91	17.96	17.98	0.02	3488.95
RW - 5	02/08/05	3506.91	17.98	17.99	0.01	3488.93
RW - 5	02/11/05	3506.91	sheen	17.99	0.00	3488.92
RW - 5	02/15/05	3506.91	17.93	17.94	0.01	3488.98
RW - 5	02/18/05	3506.91	sheen	17.95	0.00	3488.96
RW - 5	02/22/05	3506.91	17.90	17.91	0.01	3489.01
RW - 5	02/25/05	3506.91	sheen	17.96	0.00	3488.95
RW - 5	03/01/05	3506.91	sheen	17.88	0.00	3489.03
RW - 5	03/04/05	3506.91	sheen	17.86	0.00	3489.05
RW - 5	03/08/05	3506.91	sheen	17.81	0.00	3489.10
RW - 5	03/08/05	3506.91	sheen	17.81	0.00	3489.10
RW - 5	03/11/05	3506.91	sheen	17.85	0.00	3489.06
RW - 5	03/15/05	3506.91	sheen	17.79	0.00	3489.12
RW - 5	03/18/05	3506.91	sheen	17.76	0.00	3489.15
RW - 5	03/22/05	3506.91	17.72	17.75	0.03	3489.19
RW - 5	03/28/05	3506.91	sheen	17.69	0.00	3489.22
RW - 5	04/01/05	3506.91	sheen	17.71	0.00	3489.20
RW - 5	04/05/05	3506.91	17.66	17.69	0.03	3489.25
RW - 5	04/08/05	3506.91	sheen	17.62	0.00	3489.29
RW - 5	04/12/05	3506.91	17.63	17.66	0.03	3489.28
RW - 5	04/15/05	3506.91	sheen	17.62	0.00	3489.29
RW - 5	05/25/05	3506.91	17.39	17.55	0.16	3489.50
RW - 5	05/27/05	3506.91	17.40	17.42	0.02	3489.51
RW - 5	05/31/05	3506.91	sheen	17.39	0.00	3489.52
RW - 5	06/03/05	3506.91	sheen	17.35	0.00	3489.56
RW - 5	06/06/05	3506.91	sheen	17.35	0.00	3489.56
RW - 5	06/08/05	3506.91	sheen	17.35	0.00	3489.56
RW - 5	06/13/05	3506.91	sheen	17.34	0.00	3489.57
RW - 5	06/20/05	3506.91	sheen	17.40	0.00	3489.51

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	06/24/05	3506.91	sheen	17.37	0.00	3489.54
RW - 5	06/27/05	3506.91	sheen	17.41	0.00	3489.50
RW - 5	07/11/05	3506.91	17.47	17.62	0.15	3489.42
RW - 5	07/15/05	3506.91	17.50	17.52	0.02	3489.41
RW - 5	07/18/05	3506.91	17.56	17.57	0.01	3489.35
RW - 5	07/21/05	3506.91	sheen	17.59	0.00	3489.32
RW - 5	07/25/05	3506.91	sheen	17.66	0.00	3489.25
RW - 5	08/01/05	3506.91	sheen	17.63	0.00	3489.28
RW - 5	08/04/05	3506.91	sheen	17.65	0.00	3489.26
RW - 5	08/12/05	3506.91	17.78	17.92	0.14	3489.11
RW - 5	08/15/05	3506.91	17.60	17.90	0.30	3489.27
RW - 5	08/23/05	3506.91	17.44	17.74	0.30	3489.43
RW - 5	08/30/05	3506.91	17.42	17.62	0.20	3489.46
RW - 5	09/06/05	3506.91	17.32	18.15	0.83	3489.47
RW - 5	09/13/05	3506.91	17.38	18.31	0.93	3489.39
RW - 5	09/15/05	3506.91	17.38	17.83	0.45	3489.46
RW - 5	09/19/05	3506.91	17.40	17.80	0.40	3489.45
RW - 5	09/27/05	3506.91	17.39	17.90	0.51	3489.44
RW - 5	10/03/05	3506.91	17.49	17.71	0.22	3489.39
RW - 5	10/08/05	3506.91	17.20	18.09	0.89	3489.58
RW - 5	10/10/05	3506.91	17.41	18.03	0.62	3489.41
RW - 5	10/17/05	3506.91	17.30	17.77	0.47	3489.54
RW - 5	10/24/05	3506.91	17.30	17.77	0.47	3489.54
RW - 5	10/31/05	3506.91	17.30	17.89	0.59	3489.52
RW - 5	11/15/05	3506.91	17.35	17.87	0.52	3489.48
RW - 5	11/22/05	3506.91	17.30	17.65	0.35	3489.56
RW - 5	11/27/05	3506.91	17.18	17.49	0.31	3489.68
RW - 5	12/07/05	3506.91	17.32	17.72	0.40	3489.53
RW - 5	12/12/05	3506.91	17.24	18.02	0.78	3489.55
RW - 5	12/16/05	3506.91	17.20	18.00	0.80	3489.59
RW - 5	12/22/05	3506.91	17.31	17.96	0.65	3489.50
RW - 5	12/27/05	3506.91	17.24	17.74	0.50	3489.60
RW - 5	01/03/06	3506.91	17.22	17.88	0.66	3489.59
RW - 5	01/09/06	3506.91	17.31	17.64	0.33	3489.55
RW - 5	01/16/06	3506.91	17.25	17.60	0.35	3489.61
RW - 5	01/23/06	3506.91	17.29	17.60	0.31	3489.57
RW - 5	01/30/06	3506.91	17.32	17.63	0.31	3489.54
RW - 5	02/06/06	3506.91	17.28	17.68	0.40	3489.57
RW - 5	02/14/06	3506.91	17.29	17.67	0.38	3489.56
RW - 5	02/21/06	3506.91	17.25	17.75	0.50	3489.59
RW - 5	02/28/06	3506.91	17.24	17.66	0.42	3489.61
RW - 5	03/06/06	3506.91	17.28	17.62	0.34	3489.58
RW - 5	03/16/06	3506.91	17.30	17.57	0.27	3489.57
RW - 5	03/17/06	3506.91	17.28	17.55	0.27	3489.59
RW - 5	03/21/06	3506.91	17.28	17.60	0.32	3489.58
RW - 5	03/28/06	3506.91	17.31	17.59	0.28	3489.56
RW - 5	04/03/06	3506.91	17.18	17.48	0.30	3489.69
RW - 5	04/10/06	3506.91	17.25	17.53	0.28	3489.62
RW - 5	04/17/06	3506.91	17.21	17.50	0.29	3489.66
RW - 5	05/01/06	3506.91	17.18	17.53	0.35	3489.68
RW - 5	05/08/06	3506.91	17.20	17.71	0.51	3489.63
RW - 5	05/15/06	3506.91	17.25	17.83	0.58	3489.57
RW - 5	05/30/06	3506.91	17.37	18.32	0.95	3489.40
RW - 5	06/05/06	3506.91	17.48	18.18	0.70	3489.33



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	06/12/06	3506.91	17.62	17.97	0.35	3489.24
RW - 5	06/15/06	3506.91	17.68	17.85	0.17	3489.20
RW - 5	06/19/06	3506.91	17.71	18.00	0.29	3489.16
RW - 5	07/03/06	3506.91	17.86	18.16	0.30	3489.01
RW - 5	07/10/06	3506.91	17.84	18.12	0.28	3489.03
RW - 5	07/17/06	3506.91	17.69	18.04	0.35	3489.17
RW - 5	07/26/06	3506.91	17.74	18.30	0.56	3489.09
RW - 5	07/31/06	3506.91	17.79	18.26	0.47	3489.05
RW - 5	08/07/06	3506.91	17.89	18.31	0.42	3488.96
RW - 5	08/17/06	3506.91	17.75	18.38	0.63	3489.07
RW - 5	08/21/06	3506.91	17.74	18.40	0.66	3489.07
RW - 5	09/06/06	3506.91	17.32	18.14	0.82	3489.47
RW - 5	09/11/06	3506.91	17.34	17.85	0.51	3489.49
RW - 5	09/18/06	3506.91	17.42	17.76	0.34	3489.44
RW - 5	09/25/06	3506.91	17.40	18.00	0.60	3489.42
RW - 5	10/02/06	3506.91	17.36	17.97	0.61	3489.46
RW - 5	10/17/06	3506.91	17.40	18.55	1.15	3489.34
RW - 5	10/23/06	3506.91	17.35	18.50	1.15	3489.39
RW - 5	10/30/06	3506.91	17.32	18.49	1.17	3489.41
RW - 5	11/06/06	3506.91	17.42	18.53	1.11	3489.32
RW - 5	11/13/06	3506.91	17.46	17.98	0.52	3489.37
RW - 5	11/20/06	3506.91	17.40	17.97	0.57	3489.42
RW - 5	11/27/06	3506.91	17.44	17.97	0.53	3489.39
RW - 5	11/30/06	3506.91	17.44	17.95	0.51	3489.39
RW - 5	12/04/06	3506.91	17.55	18.00	0.45	3489.29
RW - 5	12/12/06	3506.91	17.42	18.26	0.84	3489.36
RW - 5	12/18/06	3506.91	17.45	17.76	0.31	3489.41
RW - 5	01/02/07	3506.91	17.42	17.72	0.30	3489.45
RW - 5	01/11/07	3506.91	17.28	17.68	0.40	3489.57
RW - 5	01/18/07	3506.91	17.40	17.81	0.41	3489.45
RW - 5	01/22/07	3506.91	17.40	17.97	0.57	3489.42
RW - 5	02/05/07	3506.91	17.34	17.87	0.53	3489.49
RW - 5	02/12/07	3506.91	17.28	17.53	0.25	3489.59
RW - 5	02/19/07	3506.91	17.24	17.51	0.27	3489.63
RW - 5	02/27/07	3506.91	17.31	17.88	0.57	3489.51
RW - 5	03/05/07	3506.91	17.34	18.09	0.75	3489.46
RW - 5	03/12/07	3506.91	17.29	17.53	0.24	3489.58
RW - 5	03/19/07	3506.91	17.26	17.84	0.58	3489.56
RW - 5	04/02/07	3506.91	17.27	17.58	0.31	3489.59
RW - 5	04/09/07	3506.91	17.19	17.49	0.30	3489.68
RW - 5	05/01/07	3506.91	17.20	17.52	0.32	3489.66
RW - 5	05/12/07	3506.91	17.20	17.56	0.36	3489.66
RW - 5	05/17/07	3506.91	17.05	17.34	0.29	3489.82
RW - 5	05/21/07	3506.91	17.01	17.25	0.24	3489.86
RW - 5	05/22/07	3506.91	17.01	17.25	0.24	3489.86
RW - 5	06/01/07	3506.91	17.01	17.36	0.35	3489.85
RW - 5	06/06/07	3506.91	17.01	17.37	0.36	3489.85
RW - 5	06/11/07	3506.91	17.11	17.51	0.40	3489.74
RW - 5	06/19/07	3506.91	17.20	17.47	0.27	3489.67
RW - 5	06/25/07	3506.91	17.26	17.46	0.20	3489.62
RW - 5	07/03/07	3506.91	17.37	17.63	0.26	3489.50
RW - 5	07/18/07	3506.91	17.55	17.90	0.35	3489.31
RW - 5	07/23/07	3506.91	17.60	18.01	0.41	3489.25
RW - 5	07/31/07	3506.91	17.66	18.14	0.48	3489.18

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	08/14/07	3506.91	17.71	18.19	0.48	3489.13
RW - 5	08/15/07	3506.91	17.76	17.94	0.18	3489.12
RW - 5	08/29/07	3506.91	17.81	18.33	0.52	3489.02
RW - 5	09/07/07	3506.91	17.85	18.31	0.46	3488.99
RW - 5	09/10/07	3506.91	17.74	18.30	0.56	3489.09
RW - 5	09/17/07	3506.91	17.46	17.86	0.40	3489.39
RW - 5	09/24/07	3506.91	17.41	17.89	0.48	3489.43
RW - 5	11/05/07	3506.91	17.48	18.22	0.74	3489.32
RW - 5	11/06/07	3506.91	17.57	18.24	0.67	3489.24
RW - 5	11/12/07	3506.91	17.52	17.96	0.44	3489.32
RW - 5	11/19/07	3506.91	17.56	17.75	0.19	3489.32
RW - 5	11/30/07	3506.91	17.58	18.26	0.68	3489.23
RW - 5	12/03/07	3506.91	17.51	17.82	0.31	3489.35
RW - 5	12/14/07	3506.91	17.48	17.77	0.29	3489.39
RW - 5	12/17/07	3506.91	17.46	17.50	0.04	3489.44
RW - 5	01/09/08	3506.91	17.46	17.86	0.40	3489.39
RW - 5	01/16/08	3506.91	17.38	17.90	0.52	3489.45
RW - 5	01/30/08	3506.91	17.40	17.81	0.41	3489.45
RW - 5	02/08/08	3506.91	17.44	17.72	0.28	3489.43
RW - 5	02/12/08	3506.91	17.45	17.72	0.27	3489.42
RW - 5	02/14/08	3506.91	17.43	17.68	0.25	3489.44
RW - 5	02/20/08	3506.91	17.38	17.51	0.13	3489.51
RW - 5	02/28/08	3506.91	17.40	17.55	0.15	3489.49
RW - 5	03/05/08	3506.91	17.41	17.57	0.16	3489.48
RW - 5	03/13/08	3506.91	17.41	17.57	0.16	3489.48
RW - 5	03/19/08	3506.91	17.45	17.61	0.16	3489.44
RW - 5	03/24/08	3506.91	17.37	17.51	0.14	3489.52
RW - 5	04/03/08	3506.91	17.46	17.58	0.12	3489.43
RW - 5	04/07/08	3506.91	17.36	17.45	0.09	3489.54
RW - 5	04/14/08	3506.91	17.48	17.60	0.12	3489.41
RW - 5	04/23/08	3506.91	17.34	17.52	0.18	3489.54
RW - 5	05/07/08	3506.91	17.39	17.70	0.31	3489.47
RW - 5	05/13/08	3506.91	17.39	17.70	0.31	3489.47
RW - 5	05/14/08	3506.91	17.37	17.51	0.14	3489.52
RW - 5	05/19/08	3506.91	17.40	17.56	0.16	3489.49
RW - 5	06/09/08	3506.91	17.64	17.92	0.28	3489.23
RW - 5	06/16/08	3506.91	17.46	17.57	0.11	3489.43
RW - 5	06/23/08	3506.91	17.89	18.35	0.46	3488.95
RW - 5	06/30/08	3506.91	17.93	18.19	0.26	3488.94
RW - 5	07/14/08	3506.91	17.95	18.18	0.23	3488.93
RW - 5	07/22/08	3506.91	18.01	18.28	0.27	3488.86
RW - 5	07/29/08	3506.91	18.03	18.09	0.06	3488.87
RW - 5	08/04/08	3506.91	18.08	18.46	0.38	3488.77
RW - 5	08/11/08	3506.91	18.11	18.45	0.34	3488.75
RW - 5	08/14/08	3506.91	18.04	18.39	0.35	3488.82
RW - 5	08/18/08	3506.91	18.13	18.41	0.28	3488.74
RW - 5	08/28/08	3506.91	18.00	18.53	0.53	3488.83
RW - 5	09/02/08	3506.91	17.89	18.34	0.45	3488.95
RW - 5	09/17/08	3506.91	17.65	18.71	1.06	3489.10
RW - 5	09/29/08	3506.91	17.75	18.45	0.70	3489.06
RW - 5	10/06/08	3506.91	17.76	18.24	0.48	3489.08
RW - 5	10/13/08	3506.91	17.82	18.10	0.28	3489.05
RW - 5	10/20/08	3506.91	17.69	17.94	0.25	3489.18
RW - 5	10/29/08	3506.91	17.03	17.95	0.92	3489.74

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	10/30/08	3506.91	17.71	17.84	0.13	3489.18
RW - 5	11/06/08	3506.91	17.67	18.00	0.33	3489.19
RW - 5	11/12/08	3506.91	17.63	17.85	0.22	3489.25
RW - 5	11/13/08	3506.91	17.63	17.85	0.22	3489.25
RW - 5	12/16/08	3506.91	17.65	18.00	0.35	3489.21
RW - 5	12/19/08	3506.91	17.69	17.90	0.21	3489.19
RW - 5	12/22/08	3506.91	17.62	17.73	0.11	3489.27
RW - 5	01/06/09	3506.91	17.62	17.84	0.22	3489.26
RW - 5	01/12/09	3506.91	17.54	18.41	0.87	3489.24
RW - 5	01/19/09	3506.91	17.75	18.36	0.61	3489.07
RW - 5	01/22/09	3506.91	17.66	17.76	0.10	3489.24
RW - 5	01/26/09	3506.91	17.63	17.76	0.13	3489.26
RW - 5	02/10/09	3506.91	17.56	17.75	0.19	3489.32
RW - 5	02/13/09	3506.91	17.50	17.73	0.23	3489.38
RW - 5	02/16/09	3506.91	17.53	17.75	0.22	3489.35
RW - 5	02/24/09	3506.91	17.52	17.74	0.22	3489.36
RW - 5	03/02/09	3506.91	17.62	17.81	0.19	3489.26
RW - 5	03/05/09	3506.91	17.54	17.86	0.32	3489.32
RW - 5	03/09/09	3506.91	17.53	17.69	0.16	3489.36
RW - 5	03/16/09	3506.91	17.54	17.66	0.12	3489.35
RW - 5	03/19/09	3506.91	17.64	17.85	0.21	3489.24
RW - 5	03/25/09	3506.91	17.64	17.86	0.22	3489.24
RW - 5	03/30/09	3506.91	17.64	17.85	0.21	3489.24
RW - 5	04/13/09	3506.91	17.48	17.79	0.31	3489.38
RW - 5	04/16/09	3506.91	17.62	17.81	0.19	3489.26
RW - 5	04/21/09	3506.91	17.63	17.80	0.17	3489.25
RW - 5	04/27/09	3506.91	17.49	17.55	0.06	3489.41
RW - 5	04/30/09	3506.91	17.63	17.79	0.16	3489.26
RW - 5	05/06/09	3506.91	17.65	17.77	0.12	3489.24
RW - 5	05/12/09	3506.91	17.52	17.89	0.37	3489.33
RW - 5	05/19/09	3506.91	17.58	17.77	0.19	3489.30
RW - 5	05/26/09	3506.91	17.63	17.82	0.19	3489.25
RW - 5	06/01/09	3506.91	17.69	17.86	0.17	3489.19
RW - 5	06/05/09	3506.91	17.70	17.84	0.14	3489.19
RW - 5	06/12/09	3506.91	17.73	17.88	0.15	3489.16
RW - 5	06/15/09	3506.91	17.76	17.89	0.13	3489.13
RW - 5	06/22/09	3506.91	17.82	18.00	0.18	3489.06
RW - 5	06/24/09	3506.91	17.87	17.96	0.09	3489.03
RW - 5	06/29/09	3506.91	17.94	18.11	0.17	3488.94
RW - 5	07/06/09	3506.91	17.96	18.18	0.22	3488.92
RW - 5	07/09/09	3506.91	17.60	17.75	0.15	3489.29
RW - 5	07/13/09	3506.91	17.62	17.76	0.14	3489.27
RW - 5	07/20/09	3506.91	17.60	17.78	0.18	3489.28
RW - 5	07/23/09	3506.91	18.09	18.45	0.36	3488.77
RW - 5	07/27/09	3506.91	18.10	18.46	0.36	3488.76
RW - 5	07/29/09	3506.91	18.03	18.29	0.26	3488.84
RW - 5	08/03/09	3506.91	17.99	18.25	0.26	3488.88
RW - 5	08/10/09	3506.91	18.11	18.35	0.24	3488.76
RW - 5	08/10/09	3506.91	18.11	18.35	0.24	3488.76
RW - 5	08/18/09	3506.91	18.17	18.45	0.28	3488.70
RW - 5	08/24/09	3506.91	18.34	18.64	0.30	3488.53
RW - 5	08/28/09	3506.91	18.18	18.46	0.28	3488.69
RW - 5	08/31/09	3506.91	18.24	18.50	0.26	3488.63
RW - 5	09/02/09	3506.91	18.23	18.36	0.13	3488.66

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	09/08/09	3506.91	18.39	18.54	0.15	3488.50
RW - 5	09/10/09	3506.91	18.36	18.60	0.24	3488.51
RW - 5	09/16/09	3506.91	18.26	18.64	0.38	3488.59
RW - 5	09/18/09	3506.91	18.34	18.80	0.46	3488.50
RW - 5	09/22/09	3506.91	18.36	18.67	0.31	3488.50
RW - 5	09/28/09	3506.91	18.19	18.45	0.26	3488.68
RW - 5	10/09/09	3506.91	18.39	18.80	0.41	3488.46
RW - 5	10/12/09	3506.91	17.62	17.74	0.12	3489.27
RW - 5	10/15/09	3506.91	18.41	18.65	0.24	3488.46
RW - 5	10/20/09	3506.91	18.43	18.64	0.21	3488.45
RW - 5	10/26/09	3506.91	17.63	17.73	0.10	3489.27
RW - 5	10/28/09	3506.91	18.40	18.60	0.20	3488.48
RW - 5	11/03/09	3506.91	18.29	18.61	0.32	3488.57
RW - 5	11/12/09	3506.91	18.33	18.55	0.22	3488.55
RW - 5	11/18/09	3506.91	18.41	18.59	0.18	3488.47
RW - 5	12/03/09	3506.91	18.40	18.79	0.39	3488.45
RW - 5	12/11/09	3506.91	18.48	18.60	0.12	3488.41
RW - 5	12/16/09	3506.91	18.34	18.52	0.18	3488.54
RW - 5	12/21/09	3506.91	18.32	18.44	0.12	3488.57
RW - 5	12/28/09	3506.91	18.29	18.42	0.13	3488.60
RW - 5	01/04/10	3506.91	18.32	18.51	0.19	3488.56
RW - 5	01/14/10	3506.91	18.34	18.54	0.20	3488.54
RW - 5	01/20/10	3506.91	18.25	18.41	0.16	3488.64
RW - 5	01/25/10	3506.91	18.33	18.38	0.05	3488.57
RW - 5	01/27/10	3506.91	18.22	18.35	0.13	3488.67
RW - 5	02/01/10	3506.91	18.26	18.55	0.29	3488.61
RW - 5	02/08/10	3506.91	18.15	18.33	0.18	3488.73
RW - 5	02/08/10	3506.91	sheen	18.65	0.00	3488.26
RW - 5	02/09/10	3506.91	18.25	18.31	0.06	3488.65
RW - 5	02/19/10	3506.91	18.04	18.38	0.34	3488.82
RW - 5	02/26/10	3506.91	18.15	18.30	0.15	3488.74
RW - 5	03/01/10	3506.91	18.33	18.57	0.24	3488.54
RW - 5	03/04/10	3506.91	18.12	18.20	0.08	3488.78
RW - 5	03/08/10	3506.91	18.12	18.18	0.06	3488.78
RW - 5	03/11/10	3506.91	17.99	18.04	0.05	3488.91
RW - 5	03/15/10	3506.91	18.10	18.23	0.13	3488.79
RW - 5	03/17/10	3506.91	18.00	18.08	0.08	3488.90
RW - 5	03/22/10	3506.91	17.86	18.13	0.27	3489.01
RW - 5	03/29/10	3506.91	17.91	18.00	0.09	3488.99
RW - 5	04/05/10	3506.91	17.97	18.06	0.09	3488.93
RW - 5	04/14/10	3506.91	17.96	18.08	0.12	3488.93
RW - 5	04/16/10	3506.91	17.92	18.03	0.11	3488.97
RW - 5	04/19/10	3506.91	17.96	18.10	0.14	3488.93
RW - 5	04/28/10	3506.91	17.89	17.97	0.08	3489.01
RW - 5	05/05/10	3506.91	17.77	17.87	0.10	3489.13
RW - 5	05/12/10	3506.91	17.85	18.02	0.17	3489.03
RW - 5	05/14/10	3506.91	17.85	18.03	0.18	3489.03
RW - 5	05/21/10	3506.91	17.84	18.00	0.16	3489.05
RW - 5	05/26/10	3506.91	17.82	18.02	0.20	3489.06
RW - 5	06/04/10	3506.91	17.87	18.01	0.14	3489.02
RW - 5	06/07/10	3506.91	18.00	18.16	0.16	3488.89
RW - 5	06/12/10	3506.91	18.00	18.21	0.21	3488.88
RW - 5	06/24/10	3506.91	18.05	18.35	0.30	3488.82
RW - 5	06/30/10	3506.91	18.29	18.42	0.13	3488.60

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	07/07/10	3506.91	17.46	17.68	0.22	3489.42
RW - 5	07/12/10	3506.91	17.36	17.91	0.55	3489.47
RW - 5	07/19/10	3506.91	17.41	17.85	0.44	3489.43
RW - 5	08/03/10	3506.91	17.34	18.12	0.78	3489.45
RW - 5	08/11/10	3506.91	17.41	17.85	0.44	3489.43
RW - 5	08/19/10	3506.91	17.59	17.70	0.11	3489.30
RW - 5	08/25/10	3506.91	17.54	17.83	0.29	3489.33
RW - 5	09/01/10	3506.91	17.57	17.85	0.28	3489.30
RW - 5	09/09/10	3506.91	17.62	18.06	0.44	3489.22
RW - 5	09/13/10	3506.91	17.43	17.85	0.42	3489.42
RW - 5	09/29/10	3506.91	17.68	18.16	0.48	3489.16
RW - 5	10/05/10	3506.91	17.45	17.84	0.39	3489.40
RW - 5	10/20/10	3506.91	17.52	18.30	0.78	3489.27
RW - 5	10/25/10	3506.91	17.53	18.31	0.78	3489.26
RW - 5	11/03/10	3506.91	17.42	17.81	0.39	3489.43
RW - 5	11/10/10	3506.91	17.83	18.40	0.57	3488.99
RW - 5	11/12/10	3506.91	17.83	18.40	0.57	3488.99
RW - 5	12/09/10	3506.91	17.40	17.76	0.36	3489.46
RW - 5	01/18/11	3506.91	17.83	18.41	0.58	3488.99
RW - 5	02/16/11	3506.91	17.81	18.42	0.61	3489.01
RW - 5	03/01/11	3506.91	17.71	18.39	0.68	3489.10
RW - 5	03/07/11	3506.91	17.69	18.06	0.37	3489.16
RW - 5	03/22/11	3506.91	17.80	18.43	0.63	3489.02
RW - 5	04/27/11	3506.91	17.76	18.26	0.50	3489.08
RW - 5	05/05/11	3506.91	17.85	18.26	0.41	3489.00
RW - 5	05/10/11	3506.91	17.92	18.31	0.39	3488.93
RW - 5	05/17/11	3506.91	17.77	18.15	0.38	3489.08
RW - 5	05/19/11	3506.91	17.77	18.15	0.38	3489.08
RW - 5	05/24/11	3506.91	17.88	18.22	0.34	3488.98
RW - 5	06/07/11	3506.91	18.06	18.40	0.34	3488.80
RW - 5	06/08/11	3506.91	18.09	18.26	0.17	3488.79
RW - 5	06/14/11	3506.91	18.12	18.36	0.24	3488.75
RW - 5	06/23/11	3506.91	18.01	18.48	0.47	3488.83
RW - 5	06/28/11	3506.91	18.05	18.42	0.37	3488.80
RW - 5	07/06/11	3506.91	18.22	18.70	0.48	3488.62
RW - 5	07/14/11	3506.91	18.22	18.53	0.31	3488.64
RW - 5	07/20/11	3506.91	18.35	18.68	0.33	3488.51
RW - 5	07/27/11	3506.91	18.42	18.70	0.28	3488.45
RW - 5	08/03/11	3506.91	18.37	18.68	0.31	3488.49
RW - 5	08/10/11	3506.91	18.42	18.68	0.26	3488.45
RW - 5	08/18/11	3506.91	18.46	18.80	0.34	3488.40
RW - 5	08/25/11	3506.91	18.52	18.75	0.23	3488.36
RW - 5	09/07/11	3506.91	18.56	18.78	0.22	3488.32
RW - 5	09/14/11	3506.91	18.58	18.70	0.12	3488.31
RW - 5	11/14/11	3506.91	18.52	18.59	0.07	3488.38
RW - 5	12/01/11	3506.91	-	18.56	0.00	3488.35
RW - 5	12/08/11	3506.91	-	18.54	0.00	3488.37
RW - 5	12/14/11	3506.91	-	18.49	0.00	3488.42
RW - 5	01/12/12	3506.91	-	18.15	0.00	3488.76
RW - 5	01/19/12	3506.91	-	18.54	0.00	3488.37
RW - 5	02/03/12	3506.91	-	18.40	0.00	3488.51
RW - 5	02/29/12	3506.91	-	18.32	0.00	3488.59
RW - 5	03/14/12	3506.91	-	18.22	0.00	3488.69
RW - 5	03/19/12	3506.91	18.19	18.21	0.02	3488.72

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	03/29/12	3506.91	-	18.25	0.00	3488.66
RW - 5	04/05/12	3506.91	-	18.15	0.00	3488.76
RW - 5	04/18/12	3506.91	-	18.15	0.00	3488.76
RW - 5	04/27/12	3506.91	-	18.15	0.00	3488.76
RW - 5	05/02/12	3506.91	18.20	18.21	0.01	3488.71
RW - 5	05/31/12	3506.91	-	18.30	0.00	3488.61
RW - 5	06/08/12	3506.91	-	18.31	0.00	3488.60
RW - 5	06/12/12	3506.91	18.25	18.27	0.02	3488.66
RW - 5	06/21/12	3506.91	18.36	18.37	0.01	3488.55
RW - 5	06/29/12	3506.91	18.36	18.39	0.03	3488.55
RW - 5	07/13/12	3506.91	18.50	18.77	0.27	3488.37
RW - 5	12/06/12	3506.91	20.15	21.05	0.90	3486.63
RW - 5	12/11/12	3506.91	20.15	21.08	0.93	3486.62
RW - 5	12/18/12	3506.91	20.13	21.04	0.91	3486.64
RW - 5	01/09/13	3506.91	20.10	20.96	0.86	3486.68
RW - 5	01/15/13	3506.91	20.09	20.86	0.77	3486.70
RW - 5	01/23/13	3506.91	20.10	20.84	0.74	3486.70
RW - 5	01/29/13	3506.91	20.06	20.82	0.76	3486.74
RW - 5	02/07/13	3506.91	20.08	20.90	0.82	3486.71
RW - 5	02/13/13	3506.91	20.15	20.29	0.14	3486.74
RW - 5	02/20/13	3506.91	20.30	20.37	0.07	3486.60
RW - 5	03/15/13	3506.91	20.09	20.34	0.25	3486.78
RW - 5	03/19/13	3506.91	20.05	20.38	0.33	3486.81
RW - 5	04/02/13	3506.91	20.00	20.29	0.29	3486.87
RW - 5	04/09/13	3506.91	19.99	20.20	0.21	3486.89
RW - 5	04/16/13	3506.91	19.99	20.20	0.21	3486.89
RW - 5	04/23/13	3506.91	20.01	20.24	0.23	3486.87
RW - 5	04/30/13	3506.91	-	20.56	0.00	3486.35
RW - 5	05/08/13	3506.91	19.96	20.18	0.22	3486.92
RW - 5	05/14/13	3506.91	19.94	20.07	0.13	3486.95
RW - 5	05/22/13	3506.91	19.92	20.15	0.23	3486.96
RW - 5	05/28/13	3506.91	19.95	20.12	0.17	3486.93
RW - 5	06/04/13	3506.91	19.97	20.13	0.16	3486.92
RW - 5	06/11/13	3506.91	20.01	20.16	0.15	3486.88
RW - 5	06/19/13	3506.91	20.04	20.08	0.04	3486.86
RW - 5	06/28/13	3506.91	20.18	20.35	0.17	3486.70
RW - 5	07/01/13	3506.91	20.23	20.31	0.08	3486.67
RW - 5	07/08/13	3506.91	20.28	20.35	0.07	3486.62
RW - 5	07/23/13	3506.91	19.95	20.44	0.49	3486.89
RW - 5	07/30/13	3506.91	20.31	20.38	0.07	3486.59
RW - 5	08/05/13	3506.91	20.31	20.36	0.05	3486.59
RW - 5	08/12/13	3506.91	20.28	20.36	0.08	3486.62
RW - 5	08/22/13	3506.91	20.37	20.54	0.17	3486.51
RW - 5	08/29/13	3506.91	20.42	20.55	0.13	3486.47
RW - 5	09/05/13	3506.91	20.43	20.58	0.15	3486.46
RW - 5	09/10/13	3506.91	20.50	20.63	0.13	3486.39
RW - 5	09/17/13	3506.91	20.52	20.69	0.17	3486.36
RW - 5	09/24/13	3506.91	20.52	20.67	0.15	3486.37
RW - 5	10/07/13	3506.91	20.58	20.73	0.15	3486.31
RW - 5	11/14/13	-	22.88	23.08	0.20	-
RW - 5	11/21/13	-	22.89	23.05	0.16	-
RW - 5	12/12/13	-	22.79	23.03	0.24	-
RW - 5	12/19/13	-	22.76	22.93	0.17	-
RW - 5	01/03/14	-	22.74	22.93	0.19	-

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
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Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	01/09/14	-	22.76	22.95	0.19	-
RW - 5	01/13/14	-	22.77	22.96	0.19	-
RW - 5	01/21/14	-	22.73	22.88	0.15	-
RW - 5	01/24/14	-	22.77	22.94	0.17	-
RW - 5	02/04/14	3512.12	22.70	22.86	0.16	3489.40
RW - 5	02/10/14	3512.12	22.71	23.03	0.32	3489.36
RW - 5	02/27/14	3512.12	22.63	22.81	0.18	3489.46
RW - 5	03/17/14	3512.12	22.55	22.74	0.19	3489.54
RW - 5	03/27/14	3512.12	22.58	22.91	0.33	3489.49
RW - 5	04/02/14	3512.12	22.58	22.74	0.16	3489.52
RW - 5	04/16/14	3512.12	22.55	22.85	0.30	3489.53
RW - 5	04/22/14	3512.12	22.50	22.73	0.23	3489.59
RW - 5	04/28/14	3512.12	22.58	22.67	0.09	3489.53
RW - 5	05/06/14	3512.12	22.53	22.85	0.32	3489.54
RW - 5	05/13/14	3512.12	22.63	23.08	0.45	3489.42
RW - 5	05/14/14	3512.12	22.60	22.69	0.09	3489.51
RW - 5	05/21/14	3512.12	22.55	22.95	0.40	3489.51
RW - 5	06/05/14	3512.12	22.65	23.20	0.55	3489.39
RW - 5	06/11/14	3512.12	22.71	22.85	0.14	3489.39
RW - 5	06/16/14	3512.12	22.75	23.20	0.45	3489.30
RW - 5	06/24/14	3512.12	22.89	23.10	0.21	3489.20
RW - 5	07/01/14	3512.12	22.95	23.12	0.17	3489.14
RW - 5	07/08/14	3512.12	23.00	23.10	0.10	3489.11
RW - 5	07/15/14	3512.12	23.07	23.46	0.39	3488.99
RW - 5	07/22/14	3512.12	23.10	23.42	0.32	3488.97
RW - 5	07/23/14	3512.12	23.10	23.42	0.32	3488.97
RW - 5	07/31/14	3512.12	23.13	23.38	0.25	3488.95
RW - 5	08/05/14	3512.12	23.22	23.28	0.06	3488.89
RW - 5	08/07/14	3512.12	23.15	23.39	0.24	3488.93
RW - 5	08/15/14	3512.12	23.17	23.33	0.16	3488.93
RW - 5	08/20/14	3512.12	23.19	23.43	0.24	3488.89
RW - 5	08/27/14	3512.12	23.22	24.29	1.07	3488.74
RW - 5	09/24/14	3512.12	22.58	23.22	0.64	3489.44
RW - 5	10/01/14	3512.12	22.17	22.35	0.18	3489.92
RW - 5	10/07/14	3512.12	22.09	22.16	0.07	3490.02
RW - 5	10/14/14	3512.12	22.06	22.09	0.03	3490.06
RW - 5	10/15/14	3512.12	22.06	22.09	0.03	3490.06
RW - 5	10/20/14	3512.12	22.04	22.10	0.06	3490.07
RW - 5	10/24/14	3512.12	22.05	22.16	0.11	3490.05
RW - 5	10/27/14	3512.12	22.03	22.09	0.06	3490.08
RW - 5	11/03/14	3512.12	22.05	22.11	0.06	3490.06
RW - 5	11/11/14	3512.12	22.04	22.17	0.13	3490.06
RW - 5	11/19/14	3512.12	22.00	22.27	0.27	3490.08
RW - 5	12/08/14	3512.12	22.03	22.23	0.20	3490.06
RW - 5	12/15/14	3512.12	22.04	22.25	0.21	3490.05
RW - 5	12/18/14	3512.12	21.98	22.05	0.07	3490.13
RW - 5	12/22/14	3512.12	21.98	22.05	0.07	3490.13
RW - 5	12/29/14	3512.12	22.04	22.12	0.08	3490.07
RW - 5	01/05/15	3512.12	22.04	22.11	0.07	3490.07
RW - 5	01/12/15	3512.12	22.07	22.14	0.07	3490.04
RW - 5	01/19/15	3512.12	22.04	22.08	0.04	3490.07
RW - 5	02/04/15	3512.12	22.03	22.09	0.06	3490.08
RW - 5	02/09/15	3512.12	22.02	22.15	0.13	3490.08
RW - 5	02/19/15	3512.12	22.02	22.07	0.05	3490.09

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	03/03/15	3512.12	22.00	22.14	0.14	3490.10
RW - 5	03/09/15	3512.12	22.02	22.18	0.16	3490.08
RW - 5	03/16/15	3512.12	22.01	22.05	0.04	3490.10
RW - 5	03/20/15	3512.12	22.04	22.17	0.13	3490.06
RW - 5	03/23/15	3512.12	21.97	22.02	0.05	3490.14
RW - 5	03/30/15	3512.12	21.99	22.11	0.12	3490.11
RW - 5	04/04/15	3512.12	22.02	22.07	0.05	3490.09
RW - 5	04/07/15	3512.12	22.00	22.06	0.06	3490.11
RW - 5	04/14/15	3512.12	22.00	22.05	0.05	3490.11
RW - 5	04/20/15	3512.12	21.94	21.98	0.04	3490.17
RW - 5	04/27/15	3512.12	21.97	22.21	0.24	3490.11
RW - 5	05/07/15	3512.12	21.93	21.96	0.03	3490.19
RW - 5	05/11/15	3512.12	21.95	21.97	0.02	3490.17
RW - 5	05/21/15	3512.12	21.90	21.94	0.04	3490.21
RW - 5	05/27/15	3512.12	21.88	22.03	0.15	3490.22
RW - 5	05/28/15	3512.12	21.85	21.89	0.04	3490.26
RW - 5	06/03/15	3512.12	21.86	21.92	0.06	3490.25
RW - 5	06/08/15	3512.12	21.87	21.92	0.05	3490.24
RW - 5	06/15/15	3512.12	21.88	21.91	0.03	3490.24
RW - 5	06/25/15	3512.12	-	21.86	0.00	3490.26
RW - 5	06/29/15	3512.12	-	21.91	0.00	3490.21
RW - 5	07/08/15	3512.12	-	21.97	0.00	3490.15
RW - 5	07/09/15	3512.12	-	22.04	0.00	3490.08
RW - 5	07/14/15	3512.12	-	22.03	0.00	3490.09
RW - 5	07/20/15	3512.12	-	22.13	0.00	3489.99
RW - 5	07/28/15	3512.12	-	22.19	0.00	3489.93
RW - 5	08/03/15	3512.12	-	22.19	0.00	3489.93
RW - 5	08/04/15	3512.12	-	22.19	0.00	3489.93
RW - 5	08/10/15	3512.12	-	22.27	0.00	3489.85
RW - 5	08/17/15	3512.12	22.24	22.26	0.02	3489.88
RW - 5	08/25/15	3512.12	-	22.39	0.00	3489.73
RW - 5	08/31/15	3512.12	-	22.40	0.00	3489.72
RW - 5	09/08/15	3512.12	22.29	22.32	0.03	3489.83
RW - 5	09/15/15	3512.12	22.30	22.32	0.02	3489.82
RW - 5	09/24/15	3512.12	-	22.56	0.00	3489.56
RW - 5	09/28/15	3512.12	-	22.55	0.00	3489.57
RW - 5	10/06/15	3512.12	-	22.47	0.00	3489.65
RW - 5	10/12/15	3512.12	-	22.35	0.00	3489.77
RW - 5	10/26/15	3512.12	-	22.31	0.00	3489.81
RW - 5	11/06/15	3512.12	-	22.16	0.00	3489.96
RW - 5	11/10/15	3512.12	-	22.09	0.00	3490.03
RW - 5	11/18/15	3512.12	-	22.12	0.00	3490.00
RW - 5	12/02/15	3512.12	-	22.17	0.00	3489.95
RW - 5	12/07/15	3512.12	-	22.03	0.00	3490.09
RW - 5	12/14/15	3512.12	-	22.05	0.00	3490.07
RW - 5	01/05/16	3512.12	-	21.92	0.00	3490.20
RW - 5	01/08/16	3512.12	-	22.05	0.00	3490.07
RW - 5	01/12/16	3512.12	-	22.09	0.00	3490.03
RW - 5	01/18/16	3512.12	-	21.99	0.00	3490.13
RW - 5	01/25/16	3512.12	-	22.01	0.00	3490.11
RW - 5	02/01/16	3512.12	-	21.97	0.00	3490.15
RW - 5	02/08/16	3512.12	-	22.01	0.00	3490.11
RW - 5	02/19/16	3512.12	-	21.98	0.00	3490.14
RW - 5	02/23/16	3512.12	-	21.95	0.00	3490.17



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
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Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	03/03/16	3512.12	-	21.94	0.00	3490.18
RW - 5	03/07/16	3512.12	-	21.92	0.00	3490.20
RW - 5	03/15/16	3512.12	-	21.87	0.00	3490.25
RW - 5	03/21/16	3512.12	-	21.85	0.00	3490.27
RW - 5	03/28/16	3512.12	-	21.82	0.00	3490.30
RW - 5	04/05/16	3512.12	-	21.80	0.00	3490.32
RW - 5	04/08/16	3512.12	-	21.85	0.00	3490.27
RW - 5	04/12/16	3512.12	-	21.82	0.00	3490.30
RW - 5	04/18/16	3512.12	-	21.76	0.00	3490.36
RW - 5	04/25/16	3512.12	-	21.77	0.00	3490.35
RW - 5	05/02/16	3512.12	-	21.78	0.00	3490.34
RW - 5	05/23/16	3512.12	-	21.75	0.00	3490.37
RW - 5	06/01/16	3512.12	-	21.79	0.00	3490.33
RW - 5	06/06/16	3512.12	-	21.80	0.00	3490.32
RW - 5	06/09/16	3512.12	-	21.81	0.00	3490.31
RW - 5	06/28/16	3512.12	-	22.00	0.00	3490.12
RW - 5	07/12/16	3512.12	-	22.26	0.00	3489.86
RW - 5	07/19/16	3512.12	22.24	22.26	0.02	3489.88
RW - 5	07/27/16	3512.12	22.31	22.33	0.02	3489.81
RW - 5	08/03/16	3512.12	-	22.40	0.00	3489.72
RW - 5	08/04/16	3512.12	-	22.44	0.00	3489.68
RW - 5	08/08/16	3512.12	-	22.49	0.00	3489.63
RW - 5	08/16/16	3512.12	-	22.48	0.00	3489.64
RW - 5	08/23/16	3512.12	-	22.61	0.00	3489.51
RW - 5	08/31/16	3512.12	-	22.36	0.00	3489.76
RW - 5	09/14/16	3512.12	-	21.73	0.00	3490.39
RW - 5	09/22/16	3512.12	-	21.50	0.00	3490.62
RW - 5	09/27/16	3512.12	-	21.40	0.00	3490.72
RW - 5	10/07/16	3512.12	-	21.93	0.00	3490.19
RW - 5	10/21/16	3512.12	-	21.48	0.00	3490.64
RW - 5	10/28/16	3512.12	-	21.50	0.00	3490.62
RW - 5	11/04/16	3512.12	-	21.39	0.00	3490.73
RW - 5	11/09/16	3512.12	-	21.43	0.00	3490.69
RW - 5	12/06/16	3512.12	-	21.35	0.00	3490.77
RW - 5	12/15/16	3512.12	-	21.46	0.00	3490.66
RW - 5	12/22/16	3512.12	-	21.50	0.00	3490.62
RW - 5	12/29/16	3512.12	-	21.55	0.00	3490.57
RW - 5	01/05/17	3512.12	-	21.45	0.00	3490.67
RW - 5	01/11/17	3512.12	-	21.38	0.00	3490.74
RW - 5	01/18/17	3512.12	-	21.42	0.00	3490.70
RW - 5	01/26/17	3512.12	-	21.55	0.00	3490.57
RW - 5	01/31/17	3512.12	-	21.43	0.00	3490.69
RW - 5	02/10/17	3512.12	-	21.47	0.00	3490.65
RW - 5	02/17/17	3512.12	-	21.38	0.00	3490.74
RW - 5	02/24/17	3512.12	-	21.43	0.00	3490.69
RW - 5	03/01/17	3512.12	-	21.42	0.00	3490.70
RW - 5	03/09/17	3512.12	-	21.47	0.00	3490.65
RW - 5	03/15/17	3512.12	-	21.42	0.00	3490.70
RW - 5	03/22/17	3512.12	-	21.45	0.00	3490.67
RW - 5	03/29/17	3512.12	-	21.54	0.00	3490.58
RW - 5	04/07/17	3512.12	-	21.51	0.00	3490.61
RW - 5	04/11/17	3512.12	-	21.39	0.00	3490.73
RW - 5	04/20/17	3512.12	-	21.36	0.00	3490.76
RW - 5	05/02/17	3512.12	-	21.31	0.00	3490.81

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
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Plains Marketing, L.P.  
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Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	05/12/17	3512.44	-	20.80	0.00	3491.64
RW - 5	05/16/17	3512.12	-	21.33	0.00	3490.79
RW - 5	05/24/17	3512.12	-	21.39	0.00	3490.73
RW - 5	06/05/17	3512.12	-	21.47	0.00	3490.65
RW - 5	06/15/17	3512.12	-	21.60	0.00	3490.52
RW - 5	06/28/17	3512.12	-	21.69	0.00	3490.43
RW - 5	07/05/17	3512.12	-	21.82	0.00	3490.30
RW - 5	07/11/17	3512.12	-	21.84	0.00	3490.28
RW - 5	07/17/17	3512.12	-	21.86	0.00	3490.26
RW - 5	07/20/17	3512.12	-	22.92	0.00	3489.20
RW - 5	08/16/17	3512.12	-	21.91	0.00	3490.21
RW - 5	09/05/17	3512.12	-	21.68	0.00	3490.44
RW - 5	09/13/17	3512.12	-	21.69	0.00	3490.43
RW - 5	09/19/17	3512.12	-	21.73	0.00	3490.39
RW - 5	09/29/17	3512.12	-	21.79	0.00	3490.33
RW - 5	10/05/17	3512.12	-	21.84	0.00	3490.28
RW - 5	10/12/17	3512.12	-	21.61	0.00	3490.51
RW - 5	10/20/17	3512.12	-	21.64	0.00	3490.48
RW - 5	10/24/17	3512.12	-	21.62	0.00	3490.50
RW - 5	11/02/17	3512.12	-	21.55	0.00	3490.57
RW - 5	11/14/17	3512.12	-	21.55	0.00	3490.57
RW - 5	12/20/17	3512.12	-	22.50	0.00	3489.62
RW - 5	12/28/17	3512.12	-	21.44	0.00	3490.68
RW - 5	01/03/18	3512.12	-	21.46	0.00	3490.66
RW - 5	01/09/18	3512.12	-	21.41	0.00	3490.71
RW - 5	01/19/18	3512.12	-	21.42	0.00	3490.70
RW - 5	01/24/18	3512.12	-	21.46	0.00	3490.66
RW - 5	02/07/18	3512.12	-	21.45	0.00	3490.67
RW - 5	02/12/18	3512.12	-	21.43	0.00	3490.69
RW - 5	02/22/18	3512.12	-	21.39	0.00	3490.73
RW - 5	03/02/18	3512.12	-	21.41	0.00	3490.71
RW - 5	03/07/18	3512.12	-	21.41	0.00	3490.71
RW - 5	03/19/18	3512.12	-	21.45	0.00	3490.67
RW - 5	03/29/18	3512.12	-	21.41	0.00	3490.71
RW - 5	04/02/18	3512.12	-	21.35	0.00	3490.77
RW - 5	04/11/18	3512.12	-	21.35	0.00	3490.77
RW - 5	04/16/18	3512.12	-	21.36	0.00	3490.76
RW - 5	04/25/18	3512.12	-	21.39	0.00	3490.73
RW - 5	05/01/18	3512.12	-	21.36	0.00	3490.76
RW - 5	05/08/18	3512.12	-	21.37	0.00	3490.75
RW - 5	05/22/18	3512.12	-	21.61	0.00	3490.51
RW - 5	05/31/18	3512.12	-	21.68	0.00	3490.44
RW - 5	06/06/18	3512.12	-	21.74	0.00	3490.38
RW - 5	06/13/18	3512.12	-	21.80	0.00	3490.32
RW - 5	06/18/18	3512.12	-	21.84	0.00	3490.28
RW - 5	06/25/18	3512.12	-	21.89	0.00	3490.23
RW - 5	07/02/18	3512.12	-	21.93	0.00	3490.19
RW - 5	07/11/18	3512.12	-	22.04	0.00	3490.08
RW - 5	07/19/18	3512.12	-	22.03	0.00	3490.09
RW - 5	07/27/18	3512.12	-	21.10	0.00	3491.02
RW - 5	08/08/18	3512.12	-	22.20	0.00	3489.92
RW - 5	08/30/18	3512.12	-	22.29	0.00	3489.83
RW - 5	09/12/18	3512.12	-	22.31	0.00	3489.81
RW - 5	09/20/18	3512.12	-	22.20	0.00	3489.92

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	09/26/18	3512.12	-	22.21	0.00	3489.91
RW - 5	10/03/18	3512.12	-	22.06	0.00	3490.06
RW - 5	10/19/18	3512.12	-	22.17	0.00	3489.95
RW - 5	10/31/18	3512.12	-	22.04	0.00	3490.08
RW - 5	11/06/18	3512.12	-	22.02	0.00	3490.10
RW - 5	11/13/18	3512.12	-	22.25	0.00	3489.87
RW - 5	12/03/18	3512.12	-	23.20	0.00	3488.92
RW - 5	12/03/18	3512.12	-	21.93	0.00	3490.19
RW - 5	12/19/18	3512.12	-	21.91	0.00	3490.21
RW - 5	12/27/18	3512.12	-	21.82	0.00	3490.30
RW - 5	01/03/19	3512.12	-	21.82	0.00	3490.30
RW - 5	01/09/19	3512.12	-	21.93	0.00	3490.19
RW - 5	01/16/19	3512.12	-	21.88	0.00	3490.24
RW - 5	02/06/19	3512.12	-	21.94	0.00	3490.18
RW - 5	02/13/19	3512.12	-	21.85	0.00	3490.27
RW - 5	02/28/19	3512.12	-	21.83	0.00	3490.29
RW - 5	03/06/19	3512.12	-	21.87	0.00	3490.25
RW - 5	03/12/19	3512.12	-	21.72	0.00	3490.40
RW - 5	03/19/19	3512.12	-	21.81	0.00	3490.31
RW - 5	03/28/19	3512.12	-	21.85	0.00	3490.27
RW - 5	04/01/19	3512.12	-	21.81	0.00	3490.31
RW - 5	04/10/19	3512.12	-	21.69	0.00	3490.43
RW - 5	04/17/19	3512.12	-	21.73	0.00	3490.39
RW - 5	04/24/19	3512.12	-	21.69	0.00	3490.43
RW - 5	05/01/19	3512.12	-	21.74	0.00	3490.38
RW - 5	05/08/19	3512.12	-	21.71	0.00	3490.41
RW - 5	06/14/19	3512.12	-	21.92	0.00	3490.20
RW - 5	07/11/19	3512.12	-	22.07	0.00	3490.05
RW - 5	08/08/19	3512.12	-	22.32	0.00	3489.80
RW - 5	09/12/19	3512.12	-	22.46	0.00	3489.66
RW - 5	09/17/19	3512.12	-	22.47	0.00	3489.65
RW - 5	10/15/19	3512.12	-	22.29	0.00	3489.83
RW - 5	11/06/19	3512.12	-	22.23	0.00	3489.89
RW - 5	11/13/19	3512.12	-	22.14	0.00	3489.98
RW - 5	12/17/19	3512.12	-	22.00	0.00	3490.12
RW - 5	01/06/20	3512.12	-	21.95	0.00	3490.17
RW - 5	01/23/20	3512.12	-	21.92	0.00	3490.20
RW - 5	02/21/20	3512.12	-	21.91	0.00	3490.21
RW - 5	03/05/20	3512.12	-	21.89	0.00	3490.23
RW - 5	05/14/20	3512.12	-	21.59	0.00	3490.53
RW - 5	05/21/20	3512.12	-	21.64	0.00	3490.48
RW - 5	06/18/20	3512.12	-	21.98	0.00	3490.14
RW - 5	07/01/20	3512.12	-	22.16	0.00	3489.96
RW - 5	07/21/20	3512.12	-	22.29	0.00	3489.83
RW - 5	08/13/20	3512.12	-	22.42	0.00	3489.70
RW - 5	09/14/20	3512.12	-	22.52	0.00	3489.60
RW - 5	09/30/20	3512.12	-	22.53	0.00	3489.59
RW - 5	10/16/20	3512.12	-	22.62	0.00	3489.50
RW - 5	12/10/20	3512.12	-	22.69	0.00	3489.43
RW - 5	01/13/21	3512.12	-	22.63	0.00	3489.49
RW - 5	02/11/21	3512.12	-	22.63	0.00	3489.49
RW - 5	04/21/21	3512.12	-	22.49	0.00	3489.63
RW - 5	04/28/21	3512.12	-	22.48	0.00	3489.64
RW - 5	06/11/21	3512.12	-	22.48	0.00	3489.64

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 5	07/31/21	3512.12	-	22.54	0.00	3489.58
RW - 5	08/31/21	3512.12	-	22.69	0.00	3489.43
RW - 5	09/23/21	3512.12	-	22.73	0.00	3489.39
RW - 5	10/14/21	3512.12	-	22.78	0.00	3489.34
RW - 5	10/28/21	3512.12	-	22.82	0.00	3489.30
RW - 5	12/06/21	3512.12	-	22.89	0.00	3489.23
RW - 5	02/23/22	3512.12	-	22.78	0.00	3489.34
RW - 5	03/16/22	3512.12	-	22.78	0.00	3489.34
RW - 5	04/20/22	3512.12	-	22.75	0.00	3489.37
RW - 5	05/11/22	3512.12	-	22.89	0.00	3489.23
RW - 5	08/16/22	3512.12	-	23.21	0.00	3488.91
RW - 5	11/11/22	3512.12	23.10	23.13	0.03	3489.02
RW - 6	11/05/02	3507.45	20.09	26.67	6.58	3486.37
RW - 6	11/06/02	3507.45	20.12	20.28	0.16	3487.31
RW - 6	11/12/02	3507.45	20.08	20.80	0.72	3487.26
RW - 6	01/07/03	3507.45	19.70	21.39	1.69	3487.50
RW - 6	01/27/03	3507.45	19.67	21.17	1.50	3487.56
RW - 6	02/26/03	3507.45	19.65	20.29	0.64	3487.70
RW - 6	03/11/03	3507.45	19.84	20.08	0.24	3487.57
RW - 6	03/19/03	3507.45	-	19.85	0.00	3487.60
RW - 6	03/25/03	3507.45	19.69	20.04	0.35	3487.71
RW - 6	04/16/03	3507.45	19.64	20.76	1.12	3487.64
RW - 6	04/23/03	3507.45	19.58	20.95	1.37	3487.66
RW - 6	04/29/03	3507.45	19.56	20.96	1.40	3487.68
RW - 6	05/14/03	3507.45	19.69	21.18	1.49	3487.54
RW - 6	05/20/03	3507.45	19.83	21.35	1.52	3487.39
RW - 6	05/27/03	3507.45	19.94	21.73	1.79	3487.24
RW - 6	06/04/03	3507.45	19.80	20.47	0.67	3487.55
RW - 6	06/26/03	3507.45	19.49	20.39	0.90	3487.83
RW - 6	07/07/03	3507.45	20.19	21.87	1.68	3487.01
RW - 6	07/30/03	3507.45	20.28	22.00	1.72	3486.91
RW - 6	08/06/03	3507.45	20.54	22.33	1.79	3486.64
RW - 6	08/21/03	3507.45	20.67	22.51	1.84	3486.50
RW - 6	08/26/03	3507.45	20.75	22.61	1.86	3486.42
RW - 6	09/08/03	3507.45	20.60	22.18	1.58	3486.61
RW - 6	09/15/03	3507.45	20.62	22.10	1.48	3486.61
RW - 6	09/24/03	3507.45	20.95	21.62	0.67	3486.40
RW - 6	10/02/03	3507.45	20.76	22.75	1.99	3486.39
RW - 6	10/08/03	3507.45	20.65	22.65	2.00	3486.50
RW - 6	10/16/03	3507.45	20.98	23.04	2.06	3486.16
RW - 6	10/28/03	3507.45	21.04	23.13	2.09	3486.10
RW - 6	11/11/03	3507.45	21.03	23.09	2.06	3486.11
RW - 6	11/18/03	3507.45	20.84	22.81	1.97	3486.31
RW - 6	12/10/03	3507.45	20.64	22.58	1.94	3486.52
RW - 6	02/02/04	3507.45	21.09	21.54	0.45	3486.29
RW - 6	02/26/04	3507.45	20.55	22.62	2.07	3486.59
RW - 6	03/16/04	3507.45	20.96	22.91	1.95	3486.20
RW - 6	03/19/04	3507.45	20.80	22.90	2.10	3486.34
RW - 6	03/25/04	3507.45	20.82	22.90	2.08	3486.32
RW - 6	04/01/04	3507.45	20.70	22.85	2.15	3486.43
RW - 6	04/08/04	3507.45	20.72	22.88	2.16	3486.41
RW - 6	04/14/04	3507.45	19.90	22.60	2.70	3487.15
RW - 6	04/16/04	3507.45	20.05	23.71	3.66	3486.85

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	04/22/04	3507.45	19.20	22.01	2.81	3487.83
RW - 6	04/29/04	3507.45	19.18	22.00	2.82	3487.85
RW - 6	05/11/04	3507.45	19.15	22.16	3.01	3487.85
RW - 6	06/08/04	3507.45	19.29	22.39	3.10	3487.70
RW - 6	06/17/04	3507.45	19.27	22.43	3.16	3487.71
RW - 6	06/22/04	3507.45	19.31	22.47	3.16	3487.67
RW - 6	06/29/04	3507.45	19.30	22.53	3.23	3487.67
RW - 6	07/06/04	3507.45	19.24	22.39	3.15	3487.74
RW - 6	07/13/04	3507.45	19.29	22.43	3.14	3487.69
RW - 6	07/20/04	3507.45	19.44	22.63	3.19	3487.53
RW - 6	08/04/04	3507.45	19.45	22.61	3.16	3487.53
RW - 6	08/10/04	3507.45	19.46	22.59	3.13	3487.52
RW - 6	08/16/04	3507.45	19.62	22.65	3.03	3487.38
RW - 6	08/23/04	3507.45	19.68	19.70	0.02	3487.77
RW - 6	08/26/04	3507.45	19.87	19.90	0.03	3487.58
RW - 6	08/31/04	3507.45	19.89	19.92	0.03	3487.56
RW - 6	09/13/04	3507.45	19.90	20.66	0.76	3487.44
RW - 6	09/20/04	3507.45	19.95	20.61	0.66	3487.40
RW - 6	09/30/04	3507.45	20.00	20.43	0.43	3487.39
RW - 6	10/04/04	3507.45	19.38	20.19	0.81	3487.95
RW - 6	10/11/04	3507.45	19.12	19.88	0.76	3488.22
RW - 6	10/18/04	3507.45	19.10	20.04	0.94	3488.21
RW - 6	10/26/04	3507.45	19.26	19.83	0.57	3488.10
RW - 6	11/02/04	3507.45	19.05	20.03	0.98	3488.25
RW - 6	11/08/04	3507.45	19.05	19.98	0.93	3488.26
RW - 6	11/15/04	3507.45	19.07	21.26	2.19	3488.05
RW - 6	12/01/04	3507.45	18.83	21.93	3.10	3488.16
RW - 6	12/03/04	3507.45	18.83	21.93	3.10	3488.16
RW - 6	12/14/04	3507.45	18.74	21.89	3.15	3488.24
RW - 6	12/21/04	3507.45	18.75	21.35	2.60	3488.31
RW - 6	12/29/04	3507.45	18.82	21.00	2.18	3488.30
RW - 6	01/11/05	3507.45	18.39	20.97	2.58	3488.67
RW - 6	01/14/05	3507.45	18.65	20.69	2.04	3488.49
RW - 6	01/18/05	3507.45	18.65	21.20	2.55	3488.42
RW - 6	01/21/05	3507.45	18.64	20.93	2.29	3488.47
RW - 6	01/25/05	3507.45	18.55	20.70	2.15	3488.58
RW - 6	01/28/05	3507.45	18.70	20.01	1.31	3488.55
RW - 6	02/02/05	3507.45	18.60	20.21	1.61	3488.61
RW - 6	02/05/05	3507.45	18.89	19.97	1.08	3488.40
RW - 6	02/08/05	3507.45	18.67	19.65	0.98	3488.63
RW - 6	02/11/05	3507.45	18.81	19.51	0.70	3488.54
RW - 6	02/15/05	3507.45	18.55	19.90	1.35	3488.70
RW - 6	02/18/05	3507.45	18.72	19.59	0.87	3488.60
RW - 6	02/22/05	3507.45	18.53	19.93	1.40	3488.71
RW - 6	02/25/05	3507.45	18.57	20.10	1.53	3488.65
RW - 6	03/01/05	3507.45	18.47	20.05	1.58	3488.74
RW - 6	03/04/05	3507.45	18.54	19.94	1.40	3488.70
RW - 6	03/08/05	3507.45	18.46	19.73	1.27	3488.80
RW - 6	03/08/05	3507.45	18.46	19.73	1.27	3488.80
RW - 6	03/11/05	3507.45	18.60	19.35	0.75	3488.74
RW - 6	03/15/05	3507.45	18.54	19.35	0.81	3488.79
RW - 6	03/18/05	3507.45	18.51	19.36	0.85	3488.81
RW - 6	03/22/05	3507.45	18.43	19.36	0.93	3488.88
RW - 6	03/28/05	3507.45	18.31	20.00	1.69	3488.89

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	04/01/05	3507.45	18.57	19.49	0.92	3488.74
RW - 6	04/05/05	3507.45	18.24	20.40	2.16	3488.89
RW - 6	04/08/05	3507.45	18.27	19.90	1.63	3488.94
RW - 6	04/15/05	3507.45	18.23	20.05	1.82	3488.95
RW - 6	05/25/05	3507.45	18.18	18.60	0.42	3489.21
RW - 6	05/27/05	3507.45	18.20	18.37	0.17	3489.22
RW - 6	05/31/05	3507.45	18.16	18.59	0.43	3489.23
RW - 6	06/03/05	3507.45	18.10	18.70	0.60	3489.26
RW - 6	06/06/05	3507.45	18.07	18.88	0.81	3489.26
RW - 6	06/08/05	3507.45	18.10	18.81	0.71	3489.24
RW - 6	06/13/05	3507.45	18.09	18.79	0.70	3489.26
RW - 6	06/20/05	3507.45	18.11	18.84	0.73	3489.23
RW - 6	06/24/05	3507.45	18.03	19.40	1.37	3489.21
RW - 6	06/27/05	3507.45	18.08	18.68	0.60	3489.28
RW - 6	07/11/05	3507.45	18.13	19.08	0.95	3489.18
RW - 6	07/15/05	3507.45	18.27	18.92	0.65	3489.08
RW - 6	07/18/05	3507.45	18.23	19.33	1.10	3489.06
RW - 6	07/21/05	3507.45	18.33	18.88	0.55	3489.04
RW - 6	07/25/05	3507.45	18.32	19.12	0.80	3489.01
RW - 6	08/01/05	3507.45	18.33	18.91	0.58	3489.03
RW - 6	08/04/05	3507.45	18.43	18.82	0.39	3488.96
RW - 6	08/15/05	3507.45	18.38	19.54	1.16	3488.90
RW - 6	08/23/05	3507.45	18.31	18.66	0.35	3489.09
RW - 6	08/30/05	3507.45	18.35	18.79	0.44	3489.03
RW - 6	09/06/05	3507.45	18.23	18.41	0.18	3489.19
RW - 6	09/13/05	3507.45	18.40	18.41	0.01	3489.05
RW - 6	09/15/05	3507.45	18.20	18.70	0.50	3489.18
RW - 6	09/19/05	3507.45	18.25	18.71	0.46	3489.13
RW - 6	09/27/05	3507.45	18.12	18.60	0.48	3489.26
RW - 6	10/03/05	3507.45	18.20	18.65	0.45	3489.18
RW - 6	10/08/05	3507.45	18.01	18.76	0.75	3489.33
RW - 6	10/10/05	3507.45	18.18	19.22	1.04	3489.11
RW - 6	10/17/05	3507.45	18.06	18.64	0.58	3489.30
RW - 6	10/24/05	3507.45	18.10	18.60	0.50	3489.28
RW - 6	10/31/05	3507.45	18.16	18.84	0.68	3489.19
RW - 6	11/15/05	3507.45	18.15	18.80	0.65	3489.20
RW - 6	11/22/05	3507.45	18.07	18.71	0.64	3489.28
RW - 6	11/27/05	3507.45	18.03	18.74	0.71	3489.31
RW - 6	12/07/05	3507.45	18.02	18.79	0.77	3489.31
RW - 6	12/12/05	3507.45	17.99	19.09	1.10	3489.30
RW - 6	12/16/05	3507.45	18.05	19.00	0.95	3489.26
RW - 6	12/22/05	3507.45	18.00	19.21	1.21	3489.27
RW - 6	12/27/05	3507.45	18.00	18.72	0.72	3489.34
RW - 6	01/03/06	3507.45	18.04	18.90	0.86	3489.28
RW - 6	01/09/06	3507.45	18.05	18.60	0.55	3489.32
RW - 6	01/16/06	3507.45	18.03	18.81	0.78	3489.30
RW - 6	01/23/06	3507.45	18.07	18.69	0.62	3489.29
RW - 6	01/30/06	3507.45	18.10	18.65	0.55	3489.27
RW - 6	02/06/06	3507.45	18.03	18.79	0.76	3489.31
RW - 6	02/14/06	3507.45	18.05	18.53	0.48	3489.33
RW - 6	02/21/06	3507.45	18.00	18.57	0.57	3489.36
RW - 6	03/01/06	3507.45	17.98	18.60	0.62	3489.38
RW - 6	03/06/06	3507.45	18.05	18.59	0.54	3489.32
RW - 6	03/16/06	3507.45	18.05	18.27	0.22	3489.37

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	03/17/06	3507.45	18.05	18.21	0.16	3489.38
RW - 6	03/21/06	3507.45	18.10	18.13	0.03	3489.35
RW - 6	03/28/06	3507.45	18.07	18.24	0.17	3489.35
RW - 6	04/03/06	3507.45	17.99	18.34	0.35	3489.41
RW - 6	04/10/06	3507.45	17.94	18.35	0.41	3489.45
RW - 6	04/17/06	3507.45	17.93	18.41	0.48	3489.45
RW - 6	05/01/06	3507.45	17.94	18.55	0.61	3489.42
RW - 6	05/08/06	3507.45	17.97	18.42	0.45	3489.41
RW - 6	05/15/06	3507.45	18.05	18.62	0.57	3489.31
RW - 6	05/30/06	3507.45	18.21	19.47	1.26	3489.05
RW - 6	06/05/06	3507.45	18.23	18.91	0.68	3489.12
RW - 6	06/12/06	3507.45	18.38	19.01	0.63	3488.98
RW - 6	06/15/06	3507.45	18.46	18.83	0.37	3488.93
RW - 6	06/19/06	3507.45	18.87	18.91	0.04	3488.57
RW - 6	07/03/06	3507.45	18.66	19.08	0.42	3488.73
RW - 6	07/10/06	3507.45	18.59	19.10	0.51	3488.78
RW - 6	07/17/06	3507.45	18.46	18.97	0.51	3488.91
RW - 6	07/26/06	3507.45	18.53	19.25	0.72	3488.81
RW - 6	07/31/06	3507.45	18.58	19.25	0.67	3488.77
RW - 6	08/07/06	3507.45	18.61	19.16	0.55	3488.76
RW - 6	08/17/06	3507.45	18.53	19.27	0.74	3488.81
RW - 6	08/21/06	3507.45	18.48	19.02	0.54	3488.89
RW - 6	09/06/06	3507.45	18.15	18.43	0.28	3489.26
RW - 6	09/11/06	3507.45	18.29	18.97	0.68	3489.06
RW - 6	09/18/06	3507.45	18.18	18.71	0.53	3489.19
RW - 6	09/25/06	3507.45	18.17	18.93	0.76	3489.17
RW - 6	10/02/06	3507.45	18.14	18.90	0.76	3489.20
RW - 6	10/09/06	3507.45	18.15	19.00	0.85	3489.17
RW - 6	10/17/06	3507.45	18.12	19.28	1.16	3489.16
RW - 6	10/23/06	3507.45	18.14	19.29	1.15	3489.14
RW - 6	10/30/06	3507.45	18.12	19.27	1.15	3489.16
RW - 6	11/06/06	3507.45	18.13	19.11	0.98	3489.17
RW - 6	11/13/06	3507.45	18.19	18.65	0.46	3489.19
RW - 6	11/20/06	3507.45	18.23	18.65	0.42	3489.16
RW - 6	11/27/06	3507.45	18.18	18.61	0.43	3489.21
RW - 6	11/30/06	3507.45	18.20	18.65	0.45	3489.18
RW - 6	12/04/06	3507.45	18.17	18.76	0.59	3489.19
RW - 6	12/12/06	3507.45	18.20	18.77	0.57	3489.16
RW - 6	12/18/06	3507.45	18.05	18.61	0.56	3489.32
RW - 6	01/02/07	3507.45	18.10	18.88	0.78	3489.23
RW - 6	01/11/07	3507.45	18.02	18.56	0.54	3489.35
RW - 6	01/18/07	3507.45	18.15	18.61	0.46	3489.23
RW - 6	01/22/07	3507.45	18.11	18.68	0.57	3489.25
RW - 6	02/05/07	3507.45	18.03	18.55	0.52	3489.34
RW - 6	02/12/07	3507.45	18.04	18.45	0.41	3489.35
RW - 6	02/19/07	3507.45	18.03	18.42	0.39	3489.36
RW - 6	02/27/07	3507.45	18.04	18.75	0.71	3489.30
RW - 6	03/05/07	3507.45	18.06	18.73	0.67	3489.29
RW - 6	03/12/07	3507.45	18.09	18.42	0.33	3489.31
RW - 6	03/19/07	3507.45	17.99	18.38	0.39	3489.40
RW - 6	04/02/07	3507.45	18.09	18.47	0.38	3489.30
RW - 6	04/09/07	3507.45	17.93	18.49	0.56	3489.44
RW - 6	05/01/07	3507.45	17.90	18.48	0.58	3489.46
RW - 6	05/12/07	3507.45	17.91	18.50	0.59	3489.45

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	05/17/07	3507.45	17.82	18.25	0.43	3489.57
RW - 6	05/21/07	3507.45	17.76	18.20	0.44	3489.62
RW - 6	05/22/07	3507.45	17.76	18.20	0.44	3489.62
RW - 6	06/01/07	3507.45	17.78	18.30	0.52	3489.59
RW - 6	06/06/07	3507.45	17.78	18.37	0.59	3489.58
RW - 6	06/11/07	3507.45	17.84	18.33	0.49	3489.54
RW - 6	06/19/07	3507.45	17.97	18.36	0.39	3489.42
RW - 6	06/25/07	3507.45	17.98	18.30	0.32	3489.42
RW - 6	07/03/07	3507.45	18.14	18.52	0.38	3489.25
RW - 6	07/18/07	3507.45	18.26	18.66	0.40	3489.13
RW - 6	07/23/07	3507.45	18.35	18.76	0.41	3489.04
RW - 6	07/31/07	3507.45	18.42	19.02	0.60	3488.94
RW - 6	08/14/07	3507.45	18.49	19.03	0.54	3488.88
RW - 6	08/15/07	3507.45	18.54	18.79	0.25	3488.87
RW - 6	08/29/07	3507.45	18.60	19.17	0.57	3488.76
RW - 6	09/07/07	3507.45	18.61	19.06	0.45	3488.77
RW - 6	09/10/07	3507.45	18.60	19.09	0.49	3488.78
RW - 6	09/17/07	3507.45	18.37	18.79	0.42	3489.02
RW - 6	09/24/07	3507.45	18.30	18.74	0.44	3489.08
RW - 6	11/05/07	3507.45	18.22	19.29	1.07	3489.07
RW - 6	11/06/07	3507.45	18.31	18.84	0.53	3489.06
RW - 6	11/12/07	3507.45	18.31	18.85	0.54	3489.06
RW - 6	11/19/07	3507.45	18.26	18.58	0.32	3489.14
RW - 6	11/30/07	3507.45	18.32	19.19	0.87	3489.00
RW - 6	12/03/07	3507.45	18.21	18.53	0.32	3489.19
RW - 6	12/14/07	3507.45	18.26	18.61	0.35	3489.14
RW - 6	12/17/07	3507.45	18.14	18.48	0.34	3489.26
RW - 6	01/09/08	3507.45	18.17	18.64	0.47	3489.21
RW - 6	01/16/08	3507.45	18.12	18.74	0.62	3489.24
RW - 6	01/30/08	3507.45	18.17	18.71	0.54	3489.20
RW - 6	02/08/08	3507.45	18.22	18.64	0.42	3489.17
RW - 6	02/12/08	3507.45	18.23	18.49	0.26	3489.18
RW - 6	02/14/08	3507.45	18.21	18.43	0.22	3489.21
RW - 6	02/20/08	3507.45	18.14	18.32	0.18	3489.28
RW - 6	02/28/08	3507.45	18.13	18.44	0.31	3489.27
RW - 6	03/05/08	3507.45	18.16	18.39	0.23	3489.26
RW - 6	03/13/08	3507.45	18.11	18.32	0.21	3489.31
RW - 6	03/19/08	3507.45	18.15	18.36	0.21	3489.27
RW - 6	03/24/08	3507.45	18.12	18.38	0.26	3489.29
RW - 6	04/02/08	3507.45	18.12	18.31	0.19	3489.30
RW - 6	04/07/08	3507.45	18.10	18.26	0.16	3489.33
RW - 6	04/14/08	3507.45	18.09	18.33	0.24	3489.32
RW - 6	04/23/08	3507.45	18.08	18.30	0.22	3489.34
RW - 6	05/07/08	3507.45	18.08	18.41	0.33	3489.32
RW - 6	05/13/08	3507.45	18.08	18.41	0.33	3489.32
RW - 6	05/14/08	3507.45	18.14	18.35	0.21	3489.28
RW - 6	05/19/08	3507.45	18.14	18.33	0.19	3489.28
RW - 6	06/09/08	3507.45	18.39	18.86	0.47	3488.99
RW - 6	06/16/08	3507.45	18.12	18.32	0.20	3489.30
RW - 6	06/23/08	3507.45	18.60	18.97	0.37	3488.79
RW - 6	06/30/08	3507.45	18.67	18.98	0.31	3488.73
RW - 6	07/14/08	3507.45	18.72	18.96	0.24	3488.69
RW - 6	07/22/08	3507.45	18.78	19.05	0.27	3488.63
RW - 6	07/29/08	3507.45	18.75	19.03	0.28	3488.66



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	08/04/08	3507.45	18.89	19.17	0.28	3488.52
RW - 6	08/11/08	3507.45	18.85	19.14	0.29	3488.56
RW - 6	08/14/08	3507.45	18.89	19.12	0.23	3488.53
RW - 6	08/18/08	3507.45	18.91	19.17	0.26	3488.50
RW - 6	08/28/08	3507.45	18.79	19.08	0.29	3488.62
RW - 6	09/02/08	3507.45	18.75	18.96	0.21	3488.67
RW - 6	09/17/08	3507.45	18.56	19.04	0.48	3488.82
RW - 6	09/29/08	3507.45	18.54	18.91	0.37	3488.85
RW - 6	10/06/08	3507.45	18.55	18.81	0.26	3488.86
RW - 6	10/13/08	3507.45	18.57	18.80	0.23	3488.85
RW - 6	10/20/08	3507.45	18.49	18.69	0.20	3488.93
RW - 6	10/29/08	3507.45	18.49	18.74	0.25	3488.92
RW - 6	10/30/08	3507.45	18.62	18.80	0.18	3488.80
RW - 6	11/06/08	3507.45	18.48	18.70	0.22	3488.94
RW - 6	11/12/08	3507.45	18.42	18.62	0.20	3489.00
RW - 6	11/13/08	3507.45	18.42	18.62	0.20	3489.00
RW - 6	12/16/08	3507.45	18.46	18.84	0.38	3488.93
RW - 6	12/19/08	3507.45	18.38	18.61	0.23	3489.04
RW - 6	12/22/08	3507.45	18.38	18.56	0.18	3489.04
RW - 6	01/06/09	3507.45	18.37	18.69	0.32	3489.03
RW - 6	01/12/09	3507.45	18.31	18.89	0.58	3489.05
RW - 6	01/19/09	3507.45	18.34	18.81	0.47	3489.04
RW - 6	01/22/09	3507.45	18.31	18.42	0.11	3489.12
RW - 6	01/26/09	3507.45	18.33	18.49	0.16	3489.10
RW - 6	02/10/09	3507.45	18.29	18.52	0.23	3489.13
RW - 6	02/13/09	3507.45	18.31	19.09	0.78	3489.02
RW - 6	02/16/09	3507.45	18.36	19.11	0.75	3488.98
RW - 6	02/24/09	3507.45	18.38	19.15	0.77	3488.95
RW - 6	03/02/09	3507.45	18.28	18.52	0.24	3489.13
RW - 6	03/09/09	3507.45	18.25	18.41	0.16	3489.18
RW - 6	03/16/09	3507.45	18.31	18.45	0.14	3489.12
RW - 6	03/19/09	3507.45	18.35	18.90	0.55	3489.02
RW - 6	03/25/09	3507.45	18.34	18.89	0.55	3489.03
RW - 6	03/30/09	3507.45	18.33	18.87	0.54	3489.04
RW - 6	04/13/09	3507.45	18.21	18.45	0.24	3489.20
RW - 6	04/16/09	3507.45	18.37	18.84	0.47	3489.01
RW - 6	04/21/09	3507.45	18.38	18.78	0.40	3489.01
RW - 6	04/27/09	3507.45	18.22	18.31	0.09	3489.22
RW - 6	04/30/09	3507.45	18.35	18.76	0.41	3489.04
RW - 6	05/06/09	3507.45	18.36	18.73	0.37	3489.03
RW - 6	05/12/09	3507.45	18.25	18.53	0.28	3489.16
RW - 6	05/19/09	3507.45	18.28	18.61	0.33	3489.12
RW - 6	05/26/09	3507.45	18.40	18.64	0.24	3489.01
RW - 6	06/01/09	3507.45	18.42	18.61	0.19	3489.00
RW - 6	06/05/09	3507.45	18.45	18.58	0.13	3488.98
RW - 6	06/12/09	3507.45	18.50	18.65	0.15	3488.93
RW - 6	06/15/09	3507.45	18.60	18.73	0.13	3488.83
RW - 6	06/22/09	3507.45	18.64	18.79	0.15	3488.79
RW - 6	06/24/09	3507.45	18.60	18.72	0.12	3488.83
RW - 6	06/29/09	3507.45	18.70	18.97	0.27	3488.71
RW - 6	07/06/09	3507.45	18.70	18.85	0.15	3488.73
RW - 6	07/09/09	3507.45	18.26	18.59	0.33	3489.14
RW - 6	07/13/09	3507.45	18.28	18.61	0.33	3489.12
RW - 6	07/20/09	3507.45	18.29	18.63	0.34	3489.11

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	07/23/09	3507.45	18.94	19.25	0.31	3488.46
RW - 6	07/27/09	3507.45	18.96	18.23	-0.73	3488.60
RW - 6	07/29/09	3507.45	18.82	19.08	0.26	3488.59
RW - 6	08/03/09	3507.45	18.86	18.97	0.11	3488.57
RW - 6	08/10/09	3507.45	18.86	18.95	0.09	3488.58
RW - 6	08/10/09	3507.45	18.86	18.95	0.09	3488.58
RW - 6	08/18/09	3507.45	18.98	19.21	0.23	3488.44
RW - 6	08/24/09	3507.45	19.01	19.26	0.25	3488.40
RW - 6	08/28/09	3507.45	18.98	19.20	0.22	3488.44
RW - 6	08/31/09	3507.45	19.10	19.20	0.10	3488.34
RW - 6	09/02/09	3507.45	18.97	19.18	0.21	3488.45
RW - 6	09/08/09	3507.45	19.03	19.11	0.08	3488.41
RW - 6	09/10/09	3507.45	19.04	19.31	0.27	3488.37
RW - 6	09/16/09	3507.45	19.02	19.17	0.15	3488.41
RW - 6	09/18/09	3507.45	19.03	19.31	0.28	3488.38
RW - 6	09/22/09	3507.45	19.10	19.31	0.21	3488.32
RW - 6	09/28/09	3507.45	18.99	19.19	0.20	3488.43
RW - 6	10/09/09	3507.45	19.06	19.58	0.52	3488.31
RW - 6	10/12/09	3507.45	18.26	18.59	0.33	3489.14
RW - 6	10/15/09	3507.45	19.15	19.41	0.26	3488.26
RW - 6	10/20/09	3507.45	19.15	19.34	0.19	3488.27
RW - 6	10/26/09	3507.45	18.25	18.57	0.32	3489.15
RW - 6	10/28/09	3507.45	19.15	19.33	0.18	3488.27
RW - 6	11/03/09	3507.45	19.12	19.30	0.18	3488.30
RW - 6	11/12/09	3507.45	19.05	19.25	0.20	3488.37
RW - 6	11/18/09	3507.45	19.14	19.32	0.18	3488.28
RW - 6	12/03/09	3507.45	19.11	19.46	0.35	3488.29
RW - 6	12/11/09	3507.45	19.13	19.38	0.25	3488.28
RW - 6	12/16/09	3507.45	19.12	19.40	0.28	3488.29
RW - 6	12/21/09	3507.45	19.17	19.34	0.17	3488.25
RW - 6	12/28/09	3507.45	19.02	19.13	0.11	3488.41
RW - 6	01/04/10	3507.45	19.12	19.32	0.20	3488.30
RW - 6	01/14/10	3507.45	19.08	19.29	0.21	3488.34
RW - 6	01/20/10	3507.45	19.00	19.15	0.15	3488.43
RW - 6	01/25/10	3507.45	18.94	19.14	0.20	3488.48
RW - 6	01/27/10	3507.45	19.00	19.14	0.14	3488.43
RW - 6	02/01/10	3507.45	18.99	19.10	0.11	3488.44
RW - 6	02/08/10	3507.45	18.95	19.07	0.12	3488.48
RW - 6	02/08/10	3507.45	sheen	17.28	0.00	3490.17
RW - 6	02/09/10	3507.45	19.02	19.07	0.05	3488.42
RW - 6	02/19/10	3507.45	18.81	19.02	0.21	3488.61
RW - 6	02/26/10	3507.45	18.94	19.10	0.16	3488.49
RW - 6	03/01/10	3507.45	19.10	19.30	0.20	3488.32
RW - 6	03/04/10	3507.45	18.86	18.97	0.11	3488.57
RW - 6	03/08/10	3507.45	18.88	18.94	0.06	3488.56
RW - 6	03/11/10	3507.45	18.75	18.89	0.14	3488.68
RW - 6	03/15/10	3507.45	18.84	19.00	0.16	3488.59
RW - 6	03/17/10	3507.45	18.82	18.89	0.07	3488.62
RW - 6	03/22/10	3507.45	18.71	18.82	0.11	3488.72
RW - 6	03/29/10	3507.45	18.67	18.75	0.08	3488.77
RW - 6	04/05/10	3507.45	17.97	18.06	0.09	3489.47
RW - 6	04/14/10	3507.45	18.74	18.87	0.13	3488.69
RW - 6	04/16/10	3507.45	18.62	18.72	0.10	3488.82
RW - 6	04/19/10	3507.45	18.72	18.78	0.06	3488.72

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	04/28/10	3507.45	18.64	18.73	0.09	3488.80
RW - 6	05/05/10	3507.45	18.56	18.68	0.12	3488.87
RW - 6	05/12/10	3507.45	18.61	18.69	0.08	3488.83
RW - 6	05/14/10	3507.45	18.61	18.70	0.09	3488.83
RW - 6	05/21/10	3507.45	18.64	18.71	0.07	3488.80
RW - 6	05/26/10	3507.45	18.60	18.65	0.05	3488.84
RW - 6	06/04/10	3507.45	18.66	18.72	0.06	3488.78
RW - 6	06/07/10	3507.45	18.78	18.90	0.12	3488.65
RW - 6	06/12/10	3507.45	18.85	19.00	0.15	3488.58
RW - 6	06/24/10	3507.45	18.96	19.11	0.15	3488.47
RW - 6	06/30/10	3507.45	19.00	19.14	0.14	3488.43
RW - 6	07/07/10	3507.45	18.41	18.88	0.47	3488.97
RW - 6	07/12/10	3507.45	18.45	18.60	0.15	3488.98
RW - 6	07/19/10	3507.45	18.18	18.47	0.29	3489.23
RW - 6	07/26/10	3507.45	DID NOT GAUGE		0.00	3507.45
RW - 6	08/03/10	3507.45	18.18	18.63	0.45	3489.20
RW - 6	08/11/10	3507.45	18.20	18.47	0.27	3489.21
RW - 6	08/19/10	3507.45	18.22	18.50	0.28	3489.19
RW - 6	08/25/10	3507.45	18.25	18.60	0.35	3489.15
RW - 6	09/01/10	3507.45	18.27	18.70	0.43	3489.12
RW - 6	09/09/10	3507.45	18.33	18.86	0.53	3489.04
RW - 6	09/13/10	3507.45	18.18	18.45	0.27	3489.23
RW - 6	09/29/10	3507.45	18.52	18.95	0.43	3488.87
RW - 6	10/05/10	3507.45	18.19	18.47	0.28	3489.22
RW - 6	10/20/10	3507.45	18.59	19.04	0.45	3488.79
RW - 6	10/25/10	3507.45	18.58	19.07	0.49	3488.80
RW - 6	11/03/10	3507.45	18.31	18.57	0.26	3489.10
RW - 6	11/10/10	3507.45	18.58	19.19	0.61	3488.78
RW - 6	11/12/10	3507.45	18.58	19.19	0.61	3488.78
RW - 6	12/09/10	3507.45	18.21	18.52	0.31	3489.19
RW - 6	01/18/11	3507.45	18.60	19.20	0.60	3488.76
RW - 6	02/16/11	3507.45	18.56	19.23	0.67	3488.79
RW - 6	03/01/11	3507.45	18.40	19.02	0.62	3488.96
RW - 6	03/07/11	3507.45	18.39	18.99	0.60	3488.97
RW - 6	03/22/11	3507.45	18.56	19.21	0.65	3488.79
RW - 6	04/27/11	3507.45	18.51	19.01	0.50	3488.87
RW - 6	05/05/11	3507.45	18.58	19.03	0.45	3488.80
RW - 6	05/10/11	3507.45	19.01	19.05	0.04	3488.43
RW - 6	05/17/11	3507.45	18.87	19.13	0.26	3488.54
RW - 6	05/19/11	3507.45	18.87	19.13	0.26	3488.54
RW - 6	05/24/11	3507.45	18.67	19.00	0.33	3488.73
RW - 6	06/07/11	3507.45	18.79	19.08	0.29	3488.62
RW - 6	06/08/11	3507.45	18.80	18.95	0.15	3488.63
RW - 6	06/14/11	3507.45	18.85	19.10	0.25	3488.56
RW - 6	06/23/11	3507.45	18.91	19.11	0.20	3488.51
RW - 6	06/28/11	3507.45	18.85	19.09	0.24	3488.56
RW - 6	07/06/11	3507.45	18.97	19.44	0.47	3488.41
RW - 6	07/14/11	3507.45	18.69	19.39	0.70	3488.66
RW - 6	07/20/11	3507.45	19.04	19.45	0.41	3488.35
RW - 6	07/27/11	3507.45	19.12	19.45	0.33	3488.28
RW - 6	08/03/11	3507.45	19.11	19.43	0.32	3488.29
RW - 6	08/10/11	3507.45	19.10	19.31	0.21	3488.32
RW - 6	08/18/11	3507.45	19.15	19.48	0.33	3488.25
RW - 6	08/25/11	3507.45	19.24	19.60	0.36	3488.16

**TABLE 4**  
**HISTORICAL GROUNDWATER ELEVATION DATA**

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	09/07/11	3507.45	19.26	19.68	0.42	3488.13
RW - 6	09/14/11	3507.45	19.28	19.76	0.48	3488.10
RW - 6	11/14/11	3507.45	19.17	19.73	0.56	3488.20
RW - 6	12/01/11	3507.45	19.18	19.94	0.76	3488.16
RW - 6	12/08/11	3507.45	19.15	19.66	0.51	3488.22
RW - 6	12/14/11	3507.45	19.21	19.82	0.61	3488.15
RW - 6	01/12/12	3507.45	19.12	19.63	0.51	3488.25
RW - 6	01/19/12	3507.45	19.08	19.49	0.41	3488.31
RW - 6	02/03/12	3507.45	19.02	19.57	0.55	3488.35
RW - 6	02/29/12	3507.45	18.91	19.43	0.52	3488.46
RW - 6	03/14/12	3507.45	18.88	19.33	0.45	3488.50
RW - 6	03/19/12	3507.45	18.87	19.21	0.34	3488.53
RW - 6	03/29/12	3507.45	18.83	19.19	0.36	3488.57
RW - 6	04/05/12	3507.45	18.81	19.15	0.34	3488.59
RW - 6	04/18/12	3507.45	18.77	19.06	0.29	3488.64
RW - 6	04/27/12	3507.45	18.81	19.15	0.34	3488.59
RW - 6	05/02/12	3507.45	18.82	19.13	0.31	3488.58
RW - 6	05/31/12	3507.45	18.90	19.15	0.25	3488.51
RW - 6	06/08/12	3507.45	18.83	19.43	0.60	3488.53
RW - 6	06/12/12	3507.45	18.95	19.31	0.36	3488.45
RW - 6	06/21/12	3507.45	18.90	19.40	0.50	3488.48
RW - 6	06/29/12	3507.45	18.92	19.51	0.59	3488.44
RW - 6	07/13/12	3507.45	19.14	19.58	0.44	3488.24
RW - 6	12/06/12	3507.45	20.74	20.75	0.01	3486.71
RW - 6	12/11/12	3507.45	-	20.78	0.00	3486.67
RW - 6	12/18/12	3507.45	20.72	20.73	0.01	3486.73
RW - 6	01/09/13	3507.45	-	20.68	0.00	3486.77
RW - 6	01/15/13	3507.45	19.01	19.06	0.05	3488.43
RW - 6	01/23/13	3507.45	-	20.68	0.00	3486.77
RW - 6	01/29/13	3507.45	20.63	20.64	0.01	3486.82
RW - 6	02/07/13	3507.45	-	20.66	0.00	3486.79
RW - 6	02/13/13	3507.45	-	20.72	0.00	3486.73
RW - 6	02/20/13	3507.45	-	27.50	0.00	3479.95
RW - 6	03/15/13	3507.45	-	20.61	0.00	3486.84
RW - 6	03/19/13	3507.45	-	20.68	0.00	3486.77
RW - 6	04/02/13	3507.45	-	20.65	0.00	3486.80
RW - 6	04/08/13	3507.45	-	20.46	0.00	3486.99
RW - 6	04/09/13	3507.45	-	20.59	0.00	3486.86
RW - 6	04/16/13	3507.45	-	20.56	0.00	3486.89
RW - 6	04/23/13	3507.45	-	20.59	0.00	3486.86
RW - 6	04/30/13	3507.45	-	20.56	0.00	3486.89
RW - 6	05/08/13	3507.45	-	20.55	0.00	3486.90
RW - 6	05/14/13	3507.45	-	20.53	0.00	3486.92
RW - 6	05/22/13	3507.45	-	20.45	0.00	3487.00
RW - 6	05/28/13	3507.45	-	20.56	0.00	3486.89
RW - 6	06/04/13	3507.45	-	20.67	0.00	3486.78
RW - 6	06/11/13	3507.45	-	20.61	0.00	3486.84
RW - 6	06/19/13	3507.45	-	20.61	0.00	3486.84
RW - 6	06/28/13	3507.45	-	20.84	0.00	3486.61
RW - 6	07/01/13	3507.45	-	19.83	0.00	3487.62
RW - 6	07/08/13	3507.45	-	20.89	0.00	3486.56
RW - 6	07/23/13	3507.45	-	20.89	0.00	3486.56
RW - 6	07/30/13	3507.45	-	20.84	0.00	3486.61
RW - 6	08/05/13	3507.45	-	20.84	0.00	3486.61

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	08/12/13	3507.45	-	20.80	0.00	3486.65
RW - 6	08/22/13	3507.45	-	20.96	0.00	3486.49
RW - 6	08/29/13	3507.45	-	21.02	0.00	3486.43
RW - 6	09/05/13	3507.45	-	21.01	0.00	3486.44
RW - 6	09/10/13	3507.45	-	21.07	0.00	3486.38
RW - 6	09/17/13	3507.45	-	21.10	0.00	3486.35
RW - 6	09/24/13	3507.45	-	21.07	0.00	3486.38
RW - 6	10/07/13	3507.45	-	21.19	0.00	3486.26
RW - 6	11/14/13	-	-	23.54	0.00	-
RW - 6	11/20/13	-	-	23.58	0.00	-
RW - 6	12/12/13	-	-	23.51	0.00	-
RW - 6	12/19/13	-	-	23.43	0.00	-
RW - 6	01/03/14	-	-	23.42	0.00	-
RW - 6	01/09/14	-	-	23.46	0.00	-
RW - 6	01/13/14	-	-	23.49	0.00	-
RW - 6	01/21/14	-	-	23.41	0.00	-
RW - 6	01/24/14	-	-	23.49	0.00	-
RW - 6	02/04/14	3512.44	-	23.40	0.00	3489.04
RW - 6	02/10/14	3512.44	-	23.42	0.00	3489.02
RW - 6	02/27/14	3512.44	-	23.38	0.00	3489.06
RW - 6	03/17/14	3512.44	-	23.31	0.00	3489.13
RW - 6	03/27/14	3512.44	-	23.29	0.00	3489.15
RW - 6	04/02/14	3512.44	-	23.31	0.00	3489.13
RW - 6	04/16/14	3512.44	-	23.23	0.00	3489.21
RW - 6	04/22/14	3512.44	-	23.19	0.00	3489.25
RW - 6	04/28/14	3512.44	-	23.24	0.00	3489.20
RW - 6	05/06/14	3512.44	-	23.16	0.00	3489.28
RW - 6	05/13/14	3512.44	-	23.20	0.00	3489.24
RW - 6	05/14/14	3512.44	-	23.17	0.00	3489.27
RW - 6	05/21/14	3512.44	-	23.16	0.00	3489.28
RW - 6	06/05/14	3512.44	-	23.25	0.00	3489.19
RW - 6	06/11/14	3512.44	-	23.31	0.00	3489.13
RW - 6	06/16/14	3512.44	-	23.40	0.00	3489.04
RW - 6	06/24/14	3512.44	-	23.50	0.00	3488.94
RW - 6	07/01/14	3512.44	-	23.57	0.00	3488.87
RW - 6	07/08/14	3512.44	-	23.63	0.00	3488.81
RW - 6	07/15/14	3512.44	-	23.65	0.00	3488.79
RW - 6	07/22/14	3512.44	-	23.71	0.00	3488.73
RW - 6	07/23/14	3512.44	-	23.71	0.00	3488.73
RW - 6	07/31/14	3512.44	-	23.74	0.00	3488.70
RW - 6	08/05/14	3512.44	-	23.76	0.00	3488.68
RW - 6	08/07/14	3512.44	-	23.75	0.00	3488.69
RW - 6	08/15/14	3512.44	-	23.79	0.00	3488.65
RW - 6	08/20/14	3512.44	-	23.80	0.00	3488.64
RW - 6	08/27/14	3512.44	-	23.82	0.00	3488.62
RW - 6	09/24/14	3512.44	-	23.06	0.00	3489.38
RW - 6	10/01/14	3512.44	-	22.74	0.00	3489.70
RW - 6	10/07/14	3512.44	-	22.65	0.00	3489.79
RW - 6	10/20/14	3512.44	-	22.60	0.00	3489.84
RW - 6	10/27/14	3512.44	-	22.59	0.00	3489.85
RW - 6	11/03/14	3512.44	-	22.62	0.00	3489.82
RW - 6	11/11/14	3512.44	-	22.60	0.00	3489.84
RW - 6	11/19/14	3512.44	-	22.57	0.00	3489.87
RW - 6	12/08/14	3512.44	-	22.59	0.00	3489.85

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	12/15/14	3512.44	-	22.62	0.00	3489.82
RW - 6	12/18/14	3512.44	-	22.56	0.00	3489.88
RW - 6	12/22/14	3512.44	-	22.56	0.00	3489.88
RW - 6	12/29/14	3512.44	-	22.62	0.00	3489.82
RW - 6	01/05/15	3512.44	-	22.63	0.00	3489.81
RW - 6	01/12/15	3512.44	-	22.65	0.00	3489.79
RW - 6	01/19/15	3512.44	-	22.61	0.00	3489.83
RW - 6	02/04/15	3512.44	-	22.61	0.00	3489.83
RW - 6	02/09/15	3512.44	-	22.60	0.00	3489.84
RW - 6	02/19/15	3512.44	-	22.59	0.00	3489.85
RW - 6	03/03/15	3512.44	-	22.57	0.00	3489.87
RW - 6	03/09/15	3512.44	-	22.62	0.00	3489.82
RW - 6	03/16/15	3512.44	-	22.61	0.00	3489.83
RW - 6	03/20/15	3512.44	-	22.63	0.00	3489.81
RW - 6	03/23/15	3512.44	-	22.64	0.00	3489.80
RW - 6	03/30/15	3512.44	-	22.61	0.00	3489.83
RW - 6	04/04/15	3512.44	-	22.65	0.00	3489.79
RW - 6	04/07/15	3512.44	-	22.62	0.00	3489.82
RW - 6	04/14/15	3512.44	-	22.62	0.00	3489.82
RW - 6	04/20/15	3512.44	-	22.58	0.00	3489.86
RW - 6	04/27/15	3512.44	-	22.59	0.00	3489.85
RW - 6	05/07/15	3512.44	-	22.57	0.00	3489.87
RW - 6	05/11/15	3512.44	-	22.55	0.00	3489.89
RW - 6	05/21/15	3512.44	-	22.56	0.00	3489.88
RW - 6	05/27/15	3512.44	-	22.50	0.00	3489.94
RW - 6	05/28/15	3512.44	-	22.49	0.00	3489.95
RW - 6	06/03/15	3512.44	-	22.48	0.00	3489.96
RW - 6	06/08/15	3512.44	-	22.48	0.00	3489.96
RW - 6	06/15/15	3512.44	-	22.47	0.00	3489.97
RW - 6	06/25/15	3512.44	-	22.45	0.00	3489.99
RW - 6	06/29/15	3512.44	-	22.44	0.00	3490.00
RW - 6	07/08/15	3512.44	-	22.48	0.00	3489.96
RW - 6	07/09/15	3512.44	-	22.50	0.00	3489.94
RW - 6	07/14/15	3512.44	-	22.52	0.00	3489.92
RW - 6	07/20/15	3512.44	-	22.59	0.00	3489.85
RW - 6	07/28/15	3512.44	-	22.67	0.00	3489.77
RW - 6	08/03/15	3512.44	-	22.76	0.00	3489.68
RW - 6	08/04/15	3512.44	-	22.79	0.00	3489.65
RW - 6	08/10/15	3512.44	-	22.82	0.00	3489.62
RW - 6	08/17/15	3512.44	-	22.88	0.00	3489.56
RW - 6	08/25/15	3512.44	-	22.90	0.00	3489.54
RW - 6	08/31/15	3512.44	-	22.92	0.00	3489.52
RW - 6	09/08/15	3512.44	-	22.91	0.00	3489.53
RW - 6	09/15/15	3512.44	-	22.92	0.00	3489.52
RW - 6	09/24/15	3512.44	-	23.01	0.00	3489.43
RW - 6	09/28/15	3512.44	-	23.04	0.00	3489.40
RW - 6	10/06/15	3512.44	-	23.04	0.00	3489.40
RW - 6	10/12/15	3512.44	-	22.98	0.00	3489.46
RW - 6	10/26/15	3512.44	-	22.86	0.00	3489.58
RW - 6	11/06/15	3512.44	-	22.79	0.00	3489.65
RW - 6	11/10/15	3512.44	-	22.69	0.00	3489.75
RW - 6	11/18/15	3512.44	-	22.64	0.00	3489.80
RW - 6	12/02/15	3512.44	-	22.68	0.00	3489.76
RW - 6	12/07/15	3512.44	-	22.63	0.00	3489.81

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	12/14/15	3512.44	-	22.60	0.00	3489.84
RW - 6	01/05/16	3512.44	-	22.57	0.00	3489.87
RW - 6	01/08/16	3512.44	-	22.58	0.00	3489.86
RW - 6	01/12/16	3512.44	-	22.60	0.00	3489.84
RW - 6	01/18/16	3512.44	-	22.55	0.00	3489.89
RW - 6	01/25/16	3512.44	-	22.54	0.00	3489.90
RW - 6	02/01/16	3512.44	-	22.46	0.00	3489.98
RW - 6	02/08/16	3512.44	-	22.53	0.00	3489.91
RW - 6	02/19/16	3512.44	-	22.48	0.00	3489.96
RW - 6	02/23/16	3512.44	-	22.46	0.00	3489.98
RW - 6	03/03/16	3512.44	-	22.49	0.00	3489.95
RW - 6	03/07/16	3512.44	-	22.44	0.00	3490.00
RW - 6	03/15/16	3512.44	-	22.42	0.00	3490.02
RW - 6	03/21/16	3512.44	-	22.45	0.00	3489.99
RW - 6	03/28/16	3512.44	-	22.42	0.00	3490.02
RW - 6	04/05/16	3512.44	-	22.32	0.00	3490.12
RW - 6	04/08/16	3512.44	-	22.41	0.00	3490.03
RW - 6	04/12/16	3512.44	-	22.41	0.00	3490.03
RW - 6	04/18/16	3512.44	-	22.40	0.00	3490.04
RW - 6	04/25/16	3512.44	-	22.33	0.00	3490.11
RW - 6	05/02/16	3512.44	-	22.32	0.00	3490.12
RW - 6	05/23/16	3512.44	-	22.33	0.00	3490.11
RW - 6	06/01/16	3512.44	-	22.44	0.00	3490.00
RW - 6	06/06/16	3512.44	-	22.39	0.00	3490.05
RW - 6	06/28/16	3512.44	-	22.56	0.00	3489.88
RW - 6	07/12/16	3512.44	-	22.78	0.00	3489.66
RW - 6	07/19/16	3512.44	-	22.86	0.00	3489.58
RW - 6	07/27/16	3512.44	-	22.93	0.00	3489.51
RW - 6	08/03/16	3512.44	-	22.96	0.00	3489.48
RW - 6	08/08/16	3512.44	-	22.97	0.00	3489.47
RW - 6	08/16/16	3512.44	-	23.07	0.00	3489.37
RW - 6	08/23/16	3512.44	-	23.10	0.00	3489.34
RW - 6	08/31/16	3512.44	-	22.83	0.00	3489.61
RW - 6	09/14/16	3512.44	-	22.25	0.00	3490.19
RW - 6	09/22/16	3512.44	-	22.06	0.00	3490.38
RW - 6	09/27/16	3512.44	-	22.25	0.00	3490.19
RW - 6	10/07/16	3512.44	-	21.92	0.00	3490.52
RW - 6	10/21/16	3512.44	-	21.90	0.00	3490.54
RW - 6	10/28/16	3512.44	-	21.95	0.00	3490.49
RW - 6	11/04/16	3512.44	-	22.02	0.00	3490.42
RW - 6	11/09/16	3512.44	-	22.00	0.00	3490.44
RW - 6	12/06/16	3512.44	-	21.93	0.00	3490.51
RW - 6	12/15/16	3512.44	-	22.26	0.00	3490.18
RW - 6	12/22/16	3512.44	-	22.19	0.00	3490.25
RW - 6	12/29/16	3512.44	-	22.09	0.00	3490.35
RW - 6	01/05/17	3512.44	-	22.32	0.00	3490.12
RW - 6	01/11/17	3512.44	-	22.28	0.00	3490.16
RW - 6	01/18/17	3512.44	-	21.99	0.00	3490.45
RW - 6	01/26/17	3512.44	-	22.05	0.00	3490.39
RW - 6	01/31/17	3512.44	-	21.97	0.00	3490.47
RW - 6	02/10/17	3512.44	-	22.04	0.00	3490.40
RW - 6	02/17/17	3512.44	-	21.96	0.00	3490.48
RW - 6	02/24/17	3512.44	-	21.99	0.00	3490.45
RW - 6	03/01/17	3512.44	-	21.97	0.00	3490.47

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	03/09/17	3512.44	-	22.04	0.00	3490.40
RW - 6	03/15/17	3512.44	-	22.01	0.00	3490.43
RW - 6	03/22/17	3512.44	-	21.94	0.00	3490.50
RW - 6	03/29/17	3512.44	-	22.18	0.00	3490.26
RW - 6	04/07/17	3512.44	-	22.10	0.00	3490.34
RW - 6	04/11/17	3512.44	-	21.92	0.00	3490.52
RW - 6	04/20/17	3512.44	-	21.91	0.00	3490.53
RW - 6	05/02/17	3512.44	-	21.89	0.00	3490.55
RW - 6	05/12/17	3512.44	-	20.80	0.00	3491.64
RW - 6	05/12/17	3512.44	-	21.89	0.00	3490.55
RW - 6	05/16/17	3512.44	-	21.88	0.00	3490.56
RW - 6	05/23/17	3512.44	-	21.95	0.00	3490.49
RW - 6	06/05/17	3512.44	-	22.03	0.00	3490.41
RW - 6	06/15/17	3512.44	-	22.14	0.00	3490.30
RW - 6	06/28/17	3512.44	-	22.28	0.00	3490.16
RW - 6	07/05/17	3512.44	-	22.35	0.00	3490.09
RW - 6	07/11/17	3512.44	-	22.46	0.00	3489.98
RW - 6	07/17/17	3512.44	-	22.41	0.00	3490.03
RW - 6	07/20/17	3512.44	-	22.53	0.00	3489.91
RW - 6	08/16/17	3512.44	-	23.48	0.00	3488.96
RW - 6	09/05/17	3512.44	-	22.22	0.00	3490.22
RW - 6	09/13/17	3512.44	-	22.24	0.00	3490.20
RW - 6	09/19/17	3512.44	-	22.27	0.00	3490.17
RW - 6	09/29/17	3512.44	-	22.33	0.00	3490.11
RW - 6	10/05/17	3512.44	-	22.35	0.00	3490.09
RW - 6	10/12/17	3512.44	-	22.18	0.00	3490.26
RW - 6	10/20/17	3512.44	-	22.19	0.00	3490.25
RW - 6	10/24/17	3512.44	-	22.18	0.00	3490.26
RW - 6	11/02/17	3512.44	-	22.19	0.00	3490.25
RW - 6	11/14/17	3512.44	-	22.15	0.00	3490.29
RW - 6	12/20/17	3512.44	-	22.03	0.00	3490.41
RW - 6	12/28/17	3512.44	-	22.13	0.00	3490.31
RW - 6	01/03/18	3512.44	-	22.01	0.00	3490.43
RW - 6	01/09/18	3512.44	-	21.98	0.00	3490.46
RW - 6	01/19/18	3512.44	-	21.98	0.00	3490.46
RW - 6	01/24/18	3512.44	-	22.03	0.00	3490.41
RW - 6	02/07/18	3512.44	-	22.02	0.00	3490.42
RW - 6	02/12/18	3512.44	-	21.97	0.00	3490.47
RW - 6	02/22/18	3512.44	-	21.98	0.00	3490.46
RW - 6	03/02/18	3512.44	-	21.96	0.00	3490.48
RW - 6	03/07/18	3512.44	-	21.97	0.00	3490.47
RW - 6	03/19/18	3512.44	-	21.98	0.00	3490.46
RW - 6	03/29/18	3512.44	-	21.96	0.00	3490.48
RW - 6	04/02/18	3512.44	-	21.91	0.00	3490.53
RW - 6	04/11/18	3512.44	-	21.91	0.00	3490.53
RW - 6	04/16/18	3512.44	-	21.91	0.00	3490.53
RW - 6	04/25/18	3512.44	-	21.96	0.00	3490.48
RW - 6	05/01/18	3512.44	-	21.93	0.00	3490.51
RW - 6	05/08/18	3512.44	-	21.94	0.00	3490.50
RW - 6	05/22/18	3512.44	-	22.17	0.00	3490.27
RW - 6	05/31/18	3512.44	-	22.24	0.00	3490.20
RW - 6	06/06/18	3512.44	-	22.47	0.00	3489.97
RW - 6	06/13/18	3512.44	-	21.38	0.00	3491.06
RW - 6	06/18/18	3512.44	-	22.42	0.00	3490.02



TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
LEA COUNTY, NEW MEXICO  
Plains Marketing, L.P.  
NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	06/25/18	3512.44	-	22.46	0.00	3489.98
RW - 6	07/02/18	3512.44	-	22.49	0.00	3489.95
RW - 6	07/11/18	3512.44	-	22.63	0.00	3489.81
RW - 6	07/19/18	3512.44	-	22.60	0.00	3489.84
RW - 6	07/27/18	3512.44	-	22.67	0.00	3489.77
RW - 6	08/08/18	3512.44	-	22.75	0.00	3489.69
RW - 6	08/30/18	3512.44	-	22.84	0.00	3489.60
RW - 6	09/12/18	3512.44	-	22.84	0.00	3489.60
RW - 6	09/20/18	3512.44	-	22.77	0.00	3489.67
RW - 6	09/26/18	3512.44	-	22.78	0.00	3489.66
RW - 6	10/03/18	3512.44	-	22.73	0.00	3489.71
RW - 6	10/19/18	3512.44	-	22.74	0.00	3489.70
RW - 6	10/31/18	3512.44	-	22.62	0.00	3489.82
RW - 6	11/06/18	3512.44	-	22.60	0.00	3489.84
RW - 6	11/13/18	3512.44	-	22.78	0.00	3489.66
RW - 6	12/03/18	3512.44	-	22.51	0.00	3489.93
RW - 6	12/19/18	3512.44	-	22.46	0.00	3489.98
RW - 6	12/27/18	3512.44	-	22.39	0.00	3490.05
RW - 6	01/03/19	3512.44	-	22.38	0.00	3490.06
RW - 6	01/09/19	3512.44	-	22.32	0.00	3490.12
RW - 6	01/16/19	3512.44	-	22.39	0.00	3490.05
RW - 6	02/06/19	3512.44	-	22.40	0.00	3490.04
RW - 6	02/12/19	3512.44	-	22.38	0.00	3490.06
RW - 6	02/28/19	3512.44	-	22.43	0.00	3490.01
RW - 6	03/06/19	3512.44	-	22.33	0.00	3490.11
RW - 6	03/12/19	3512.44	-	22.36	0.00	3490.08
RW - 6	03/19/19	3512.44	-	22.37	0.00	3490.07
RW - 6	03/28/19	3512.44	-	22.26	0.00	3490.18
RW - 6	04/01/19	3512.44	-	22.36	0.00	3490.08
RW - 6	04/10/19	3512.44	-	22.30	0.00	3490.14
RW - 6	04/17/19	3512.44	-	22.25	0.00	3490.19
RW - 6	04/24/19	3512.44	-	22.23	0.00	3490.21
RW - 6	05/01/19	3512.44	-	22.20	0.00	3490.24
RW - 6	05/08/19	3512.44	-	22.32	0.00	3490.12
RW - 6	06/14/19	3512.44	-	22.60	0.00	3489.84
RW - 6	07/11/19	3512.44	-	22.64	0.00	3489.80
RW - 6	08/08/19	3512.44	-	22.89	0.00	3489.55
RW - 6	09/12/19	3512.44	-	23.02	0.00	3489.42
RW - 6	09/17/19	3512.44	-	23.01	0.00	3489.43
RW - 6	10/15/19	3512.44	-	22.89	0.00	3489.55
RW - 6	11/06/19	3512.44	-	22.85	0.00	3489.59
RW - 6	11/13/19	3512.44	-	22.76	0.00	3489.68
RW - 6	12/17/19	3512.44	-	22.55	0.00	3489.89
RW - 6	01/06/20	3512.44	-	22.50	0.00	3489.94
RW - 6	01/23/20	3512.44	-	22.50	0.00	3489.94
RW - 6	01/29/20	3512.44	-	22.45	0.00	3489.99
RW - 6	03/05/20	3512.44	-	22.47	0.00	3489.97
RW - 6	05/14/20	3512.44	-	22.15	0.00	3490.29
RW - 6	05/21/20	3512.44	-	22.19	0.00	3490.25
RW - 6	06/18/20	3512.44	-	22.53	0.00	3489.91
RW - 6	07/01/20	3512.44	-	22.71	0.00	3489.73
RW - 6	07/21/20	3512.44	-	22.85	0.00	3489.59
RW - 6	08/13/20	3512.44	-	22.97	0.00	3489.47
RW - 6	09/14/20	3512.44	-	23.08	0.00	3489.36

TABLE 4

## HISTORICAL GROUNDWATER ELEVATION DATA

TNM 97- 17  
 LEA COUNTY, NEW MEXICO  
 Plains Marketing, L.P.  
 NMOCD Reference AP-17

Well Number	DATE MEASURED	TOP OF CASING ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW - 6	12/10/20	3512.44	-	23.22	0.00	3489.22
RW - 6	01/13/21	3512.44	-	23.17	0.00	3489.27
RW - 6	02/11/21	3512.44	-	23.15	0.00	3489.29
RW - 6	04/21/21	3512.44	-	23.06	0.00	3489.38
RW - 6	06/11/21	3512.44	-	23.09	0.00	3489.35
RW - 6	07/31/21	3512.44	-	23.08	0.00	3489.36
RW - 6	08/31/21	3512.44	-	23.27	0.00	3489.17
RW - 6	09/23/21	3512.44	-	23.29	0.00	3489.15
RW - 6	10/14/21	3512.44	-	23.33	0.00	3489.11
RW - 6	10/28/21	3512.44	-	23.39	0.00	3489.05
RW - 6	12/06/21	3512.44	-	23.48	0.00	3488.96
RW - 6	03/16/22	3512.44	-	23.36	0.00	3489.08
RW - 6	04/20/22	3512.44	-	23.33	0.00	3489.11
RW - 6	05/11/22	3512.44	-	23.44	0.00	3489.00
RW - 6	08/16/22	3512.44	-	23.77	0.00	3488.67
RW - 6	11/11/22	3512.44	-	23.66	0.00	3488.78

*Elevations based on the North American Vertical Datum of 1929.*

*2014 Resurvey elevations based on the North American Vertical Datum of 1988.*

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 1	11/05/99	<0.001	<0.001	0.0040	<0.001	<0.001
MW - 1	03/03/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	04/11/00	<0.001	0.001	<0.001	<0.001	<0.001
MW - 1	09/01/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/21/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/22/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/17/01	<0.001	<0.001	<0.001	<0.001	
MW - 1	08/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	10/24/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	03/27/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 1	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 1	12/02/04	<0.005	<0.005	<0.005	<0.005	
MW - 1	3/8/2005	<0.001	<0.001	<0.001	<0.001	
MW - 1	06/08/05	Not Sampled on Current Sample Schedule				
MW - 1	09/16/05	Not Sampled on Current Sample Schedule				
MW - 1	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 1	03/16/06	Not Sampled on Current Sample Schedule				
MW - 1	06/15/06	Not Sampled on Current Sample Schedule				
MW - 1	09/30/06	Not Sampled on Current Sample Schedule				
MW - 1	12/01/06	<0.01	<0.01	<0.01	<0.01	
MW - 1	02/27/07	Not Sampled on Current Sample Schedule				
MW - 1	05/22/07	Not Sampled on Current Sample Schedule				
MW - 1	08/15/07	Not Sampled on Current Sample Schedule				
MW - 1	11/06/07	<0.001	<0.001	<0.001	<0.001	
MW - 1	02/12/08	Not Sampled on Current Sample Schedule				
MW - 1	05/13/08	Not Sampled on Current Sample Schedule				
MW - 1	08/14/08	Not Sampled on Current Sample Schedule				
MW - 1	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 1	02/10/09	Not Sampled on Current Sample Schedule				
MW - 1	05/12/09	Not Sampled on Current Sample Schedule				
MW - 1	08/10/09	Not Sampled on Current Sample Schedule				
MW - 1	11/17/09	<0.001	<0.001	<0.001	<0.001	
MW - 1	02/09/10	Not Sampled on Current Sample Schedule				

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 1	05/12/10	Not Sampled on Current Sample Schedule				
MW - 1	08/11/10	Not Sampled on Current Sample Schedule				
MW - 1	11/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 1	02/16/11	Not Sampled on Current Sample Schedule				
MW - 1	05/19/11	Not Sampled on Current Sample Schedule				
MW - 1	08/10/11	Not Sampled on Current Sample Schedule				
MW - 1	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 1	02/29/12	Not Sampled on Current Sample Schedule				
MW - 1	05/02/12	Not Sampled on Current Sample Schedule				
MW - 1	08/10/12	Not Sampled on Current Sample Schedule				
MW - 1	12/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 1	02/13/13	Not Sampled on Current Sample Schedule				
MW - 1	05/22/13	Not Sampled on Current Sample Schedule				
MW - 1	08/13/13	Not Sampled on Current Sample Schedule				
MW - 1	11/21/13	<0.00100	<0.001	<0.001	<0.00300	
MW - 1	02/04/14	Not Sampled on Current Sample Schedule				
MW - 1	05/14/14	Not Sampled on Current Sample Schedule				
MW - 1	08/05/14	Not Sampled on Current Sample Schedule				
MW - 1	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 1	02/09/15	Not Sampled on Current Sample Schedule				
MW - 1	05/27/15	Not Sampled on Current Sample Schedule				
MW - 1	08/03/15	Not Sampled on Current Sample Schedule				
MW - 1	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 1	02/24/16	Not Sampled on Current Sample Schedule				
MW - 1	06/07/16	Not Sampled on Current Sample Schedule				
MW - 1	08/02/16	Not Sampled on Current Sample Schedule				
MW - 1	11/08/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 1	03/01/17	Not Sampled on Current Sample Schedule				
MW - 1	05/23/17	Not Sampled on Current Sample Schedule				
MW - 1	08/17/17	Not Sampled on Current Sample Schedule				
MW - 1	11/13/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 1	02/08/18	Not Sampled on Current Sample Schedule				
MW - 1	05/22/18	Not Sampled on Current Sample Schedule				
MW - 1	08/08/18	Not Sampled on Current Sample Schedule				
MW - 1	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 1	02/12/19	Not Sampled on Current Sample Schedule				
MW - 1	05/07/19	Not Sampled on Current Sample Schedule				
MW - 1	08/07/19	Not Sampled on Current Sample Schedule				
MW - 1	11/05/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 1	03/04/20	Not Sampled on Current Sample Schedule				

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 1	06/17/20	Not Sampled on Current Sample Schedule				
MW - 1	08/12/20	Not Sampled on Current Sample Schedule				
MW - 1	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 1	02/10/21	Not Sampled on Current Sample Schedule				
MW - 1	06/09/21	Not Sampled on Current Sample Schedule				
MW - 1	09/23/21	Not Sampled on Current Sample Schedule				
MW - 1	12/06/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 1	03/16/22	Not Sampled on Current Sample Schedule				
MW - 1	05/09/22	Not Sampled on Current Sample Schedule				
MW - 1	08/16/22	Not Sampled on Current Sample Schedule				
MW - 1	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	11/05/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	03/03/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	04/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	09/01/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	11/21/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	02/22/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	05/17/01	<0.005	<0.005	<0.005	<0.005	
MW - 2	08/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	10/24/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	03/27/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	05/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	02/11/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 2	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 2	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 2	12/02/04	<0.001	<0.001	<0.001	<0.001	
MW - 2	3/8/2005	Not Sampled on Current Sample Schedule				
MW - 2	06/08/05	Not Sampled on Current Sample Schedule				
MW - 2	09/16/05	Not Sampled on Current Sample Schedule				
MW - 2	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 2	03/16/06	Not Sampled on Current Sample Schedule				
MW - 2	06/15/06	Not Sampled on Current Sample Schedule				
MW - 2	09/30/06	Not Sampled on Current Sample Schedule				
MW - 2	12/01/06	<0.02	<0.02	<0.02	<0.02	
MW - 2	02/27/07	Not Sampled on Current Sample Schedule				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 2	05/22/07	Not Sampled on Current Sample Schedule				
MW - 2	08/15/07	Not Sampled on Current Sample Schedule				
MW - 2	11/06/07	<0.001	<0.001	<0.001	<0.001	
MW - 2	02/12/08	Not Sampled on Current Sample Schedule				
MW - 2	05/13/08	Not Sampled on Current Sample Schedule				
MW - 2	08/14/08	Not Sampled on Current Sample Schedule				
MW - 2	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 2	02/10/09	Not Sampled on Current Sample Schedule				
MW - 2	05/12/09	Not Sampled on Current Sample Schedule				
MW - 2	08/10/09	Not Sampled on Current Sample Schedule				
MW - 2	11/17/09	<0.001	<0.001	<0.001	<0.001	
MW - 2	02/09/10	Not Sampled on Current Sample Schedule				
MW - 2	05/12/10	Not Sampled on Current Sample Schedule				
MW - 2	08/11/10	Not Sampled on Current Sample Schedule				
MW - 2	11/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 2	02/16/11	Not Sampled on Current Sample Schedule				
MW - 2	05/19/11	Not Sampled on Current Sample Schedule				
MW - 2	08/10/11	Not Sampled on Current Sample Schedule				
MW - 2	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 2	02/29/12	Not Sampled on Current Sample Schedule				
MW - 2	05/02/12	Not Sampled on Current Sample Schedule				
MW - 2	08/10/12	Not Sampled on Current Sample Schedule				
MW - 2	12/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 2	02/13/13	Not Sampled on Current Sample Schedule				
MW - 2	05/22/13	Not Sampled on Current Sample Schedule				
MW - 2	08/13/13	Not Sampled on Current Sample Schedule				
MW - 2	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 2	02/04/14	Not Sampled on Current Sample Schedule				
MW - 2	05/14/14	Not Sampled on Current Sample Schedule				
MW - 2	08/05/14	Not Sampled on Current Sample Schedule				
MW - 2	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	02/09/15	Not Sampled on Current Sample Schedule				
MW - 2	05/27/15	Not Sampled on Current Sample Schedule				
MW - 2	08/03/15	Not Sampled on Current Sample Schedule				
MW - 2	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	02/24/16	Not Sampled on Current Sample Schedule				
MW - 2	06/07/16	Not Sampled on Current Sample Schedule				
MW - 2	08/02/16	Not Sampled on Current Sample Schedule				
MW - 2	11/08/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 2	03/01/17	Not Sampled on Current Sample Schedule				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 2	05/23/17	Not Sampled on Current Sample Schedule				
MW - 2	08/17/17	Not Sampled on Current Sample Schedule				
MW - 2	11/14/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 2	02/08/18	Not Sampled on Current Sample Schedule				
MW - 2	05/22/18	Not Sampled on Current Sample Schedule				
MW - 2	08/08/18	Not Sampled on Current Sample Schedule				
MW - 2	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 2	02/12/19	Not Sampled on Current Sample Schedule				
MW - 2	05/07/19	Not Sampled on Current Sample Schedule				
MW - 2	08/07/19	Not Sampled on Current Sample Schedule				
MW - 2	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	03/04/20	Not Sampled on Current Sample Schedule				
MW - 2	06/17/20	Not Sampled on Current Sample Schedule				
MW - 2	08/12/20	Not Sampled on Current Sample Schedule				
MW - 2	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	02/10/21	Not Sampled on Current Sample Schedule				
MW - 2	06/09/21	Not Sampled on Current Sample Schedule				
MW - 2	09/23/21	Not Sampled on Current Sample Schedule				
MW - 2	12/06/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 2	03/16/22	Not Sampled on Current Sample Schedule				
MW - 2	05/09/22	Not Sampled on Current Sample Schedule				
MW - 2	08/16/22	Not Sampled on Current Sample Schedule				
MW - 2	11/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	11/05/99	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	03/03/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	04/11/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	09/01/00	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	11/21/00	<0.001	<0.001	<0.001		<0.001
MW - 3	02/22/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	05/17/01	<0.001	<0.001	<0.001	<0.001	
MW - 3	08/08/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	10/24/01	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	03/27/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	05/14/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 3	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 3	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 3	12/02/04	<0.001	<0.001	<0.001	<0.001	
MW - 3	3/8/2005	Not Sampled on Current Sample Schedule				
MW - 3	06/08/05	Not Sampled on Current Sample Schedule				
MW - 3	09/16/05	Not Sampled on Current Sample Schedule				
MW - 3	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 3	03/16/06	Not Sampled on Current Sample Schedule				
MW - 3	06/15/06	Not Sampled on Current Sample Schedule				
MW - 3	09/30/06	Not Sampled on Current Sample Schedule				
MW - 3	12/01/06	<0.02	<0.02	<0.02	0.0466	
MW - 3	02/27/07	Not Sampled on Current Sample Schedule				
MW - 3	05/22/07	Not Sampled on Current Sample Schedule				
MW - 3	08/15/07	Not Sampled on Current Sample Schedule				
MW - 3	11/06/07	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/12/08	Not Sampled on Current Sample Schedule				
MW - 3	05/13/08	Not Sampled on Current Sample Schedule				
MW - 3	08/14/08	Not Sampled on Current Sample Schedule				
MW - 3	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/10/09	Not Sampled on Current Sample Schedule				
MW - 3	05/12/09	Not Sampled on Current Sample Schedule				
MW - 3	08/10/09	Not Sampled on Current Sample Schedule				
MW - 3	11/17/09	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/09/10	Not Sampled on Current Sample Schedule				
MW - 3	05/12/10	Not Sampled on Current Sample Schedule				
MW - 3	08/11/10	Not Sampled on Current Sample Schedule				
MW - 3	11/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/16/11	Not Sampled on Current Sample Schedule				
MW - 3	05/19/11	Not Sampled on Current Sample Schedule				
MW - 3	08/10/11	Not Sampled on Current Sample Schedule				
MW - 3	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/29/12	Not Sampled on Current Sample Schedule				
MW - 3	05/02/12	Not Sampled on Current Sample Schedule				
MW - 3	08/10/12	Not Sampled on Current Sample Schedule				
MW - 3	12/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 3	02/13/13	Not Sampled on Current Sample Schedule				
MW - 3	05/22/13	Not Sampled on Current Sample Schedule				
MW - 3	08/13/13	Not Sampled on Current Sample Schedule				
MW - 3	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 3	02/04/14	Not Sampled on Current Sample Schedule				



TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 3	05/14/14	Not Sampled on Current Sample Schedule				
MW - 3	08/05/14	Not Sampled on Current Sample Schedule				
MW - 3	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/09/15	Not Sampled on Current Sample Schedule				
MW - 3	05/27/15	Not Sampled on Current Sample Schedule				
MW - 3	08/03/15	Not Sampled on Current Sample Schedule				
MW - 3	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 3	02/24/16	Not Sampled on Current Sample Schedule				
MW - 3	06/07/16	Not Sampled on Current Sample Schedule				
MW - 3	08/02/16	Not Sampled on Current Sample Schedule				
MW - 3	11/08/16	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 3	03/01/17	Not Sampled on Current Sample Schedule				
MW - 3	05/23/17	Not Sampled on Current Sample Schedule				
MW - 3	08/17/17	Not Sampled on Current Sample Schedule				
MW - 3	11/14/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 3	02/08/18	Not Sampled on Current Sample Schedule				
MW - 3	05/22/18	Not Sampled on Current Sample Schedule				
MW - 3	08/08/18	Not Sampled on Current Sample Schedule				
MW - 3	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 3	02/12/19	Not Sampled on Current Sample Schedule				
MW - 3	05/07/19	Not Sampled on Current Sample Schedule				
MW - 3	08/07/19	Not Sampled on Current Sample Schedule				
MW - 3	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	03/04/20	Not Sampled on Current Sample Schedule				
MW - 3	06/17/20	Not Sampled on Current Sample Schedule				
MW - 3	08/12/20	Not Sampled on Current Sample Schedule				
MW - 3	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	02/10/21	Not Sampled on Current Sample Schedule				
MW - 3	06/09/21	Not Sampled on Current Sample Schedule				
MW - 3	09/23/21	Not Sampled on Current Sample Schedule				
MW - 3	12/06/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 3	03/16/22	Not Sampled on Current Sample Schedule				
MW - 3	05/09/22	Not Sampled on Current Sample Schedule				
MW - 3	08/16/22	Not Sampled on Current Sample Schedule				
MW - 3	11/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 4	3/8/2005	Not Sampled Due to PSH in Well				
MW - 4	06/08/05	Not Sampled Due to PSH in Well				
MW - 4	09/16/05	Not Sampled Due to PSH in Well				
MW - 4	12/12/05	Not Sampled Due to PSH in Well				

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 4	03/16/06	Not Sampled Due to PSH in Well				
MW - 4	06/15/06	Not Sampled Due to PSH in Well				
MW - 4	09/30/06	Not Sampled Due to PSH in Well				
MW - 4	12/01/06	Not Sampled Due to PSH in Well				
MW - 4	02/27/07	Not Sampled Due to PSH in Well				
MW - 4	05/22/07	Not Sampled Due to PSH in Well				
MW - 4	08/15/07	Not Sampled Due to PSH in Well				
MW - 4	11/06/07	Not Sampled Due to PSH in Well				
MW - 4	02/12/08	Not Sampled Due to PSH in Well				
MW - 4	05/13/08	Not Sampled Due to PSH in Well				
MW - 4	08/14/08	Not Sampled Due to PSH in Well				
MW - 4	11/12/08	0.8060	0.515	0.4430	0.4920	
MW - 4	02/10/09	Not Sampled Due to PSH in Well				
MW - 4	05/12/09	Not Sampled Due to PSH in Well				
MW - 4	08/10/09	Not Sampled Due to PSH in Well				
MW - 4	11/18/09	1.540	0.202	0.5050	0.5240	
MW - 4	02/09/10	Not Sampled Due to PSH in Well				
MW - 4	05/12/10	Not Sampled Due to PSH in Well				
MW - 4	08/11/10	Not Sampled Due to PSH in Well				
MW - 4	11/11/10	Not Sampled Due to PSH in Well				
MW - 4	02/16/11	Not Sampled Due to PSH in Well				
MW - 4	05/19/11	Not Sampled Due to PSH in Well				
MW - 4	08/10/11	Not Sampled Due to PSH in Well				
MW - 4	11/16/11	Not Sampled Due to PSH in Well				
MW - 4	02/29/12	Not Sampled Due to PSH in Well				
MW - 4	05/02/12	Not Sampled Due to PSH in Well				
MW - 4	08/10/12	Not Sampled Due to Site Excavation				
MW - 4	12/07/12	Not Sampled Due to PSH in Well				
MW - 4	02/13/13	Not Sampled Due to PSH in Well				
MW - 4	05/22/13	Not Sampled Due to PSH in Well				
MW - 4	08/13/13	Not Sampled Due to PSH in Well				
MW - 4	11/21/13	Not Sampled Due to PSH in Well				
MW - 4	02/04/14	Not Sampled Due to PSH in Well				
MW - 4	05/14/14	Not Sampled Due to PSH in Well				
MW - 4	08/05/14	Not Sampled Due to PSH in Well				
MW - 4	11/19/14	Not Sampled Due to PSH in Well				
MW - 4	02/09/15	Not Sampled Due to PSH in Well				
MW - 4	05/27/15	1.19	<0.0500	0.184	0.113	
MW - 4	08/03/15	1.77	0.0600	0.218	0.132	
MW - 4	11/19/15	0.606	<0.0500	0.0869	<0.0500	

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 4	02/24/16	<b>1.02</b>	<0.0500	0.371	0.329	
MW - 4	06/07/16	<b>1.11</b>	<0.0500	0.259	0.0921	
MW - 4	08/03/16	<b>0.447</b>	<0.0500	0.346	0.111	
MW - 4	12/02/16	<b>0.334</b>	<0.0500	0.085	<0.0500	
MW - 4	03/01/17	<b>1.53</b>	<0.100	0.394	0.380	
MW - 4	05/23/17	<b>0.399</b>	0.00375	0.124	0.0593	
MW - 4	08/17/17	<b>1.90</b>	0.332	0.364	<b>0.809</b>	
MW - 4	11/14/17	<b>1.60</b>	0.00288	0.0627	0.0379	
MW - 4	02/08/18	<b>1.49</b>	<0.0400	0.0448	0.1218	
MW - 4	05/22/18	<b>0.480</b>	<0.0500	0.0344	<0.100	
MW - 4	08/08/18	<b>0.400</b>	<0.0100	0.0322	0.0440	
MW - 4	11/13/18	<b>0.346</b>	<0.0100	0.0248	0.0337	
MW - 4	02/13/19	<b>0.761</b>	<0.00500	0.0120	0.0158	
MW - 4	05/08/19	<b>0.906</b>	<0.00500	0.0180	<0.0100	
MW - 4	08/08/19	<b>0.672</b>	0.00610	0.0389	0.08545	
MW - 4	11/13/19	<b>0.305</b>	<0.00100	0.0340	0.0567	
MW - 4	03/05/20	<b>1.18</b>	0.0853	0.146	0.421	
MW - 4	06/18/20	<b>0.530</b>	0.0624	0.0990	0.3546	
MW - 4	08/13/20	<b>0.566</b>	0.00960	0.0306	0.06275	
MW - 4	12/10/20	<b>0.916</b>	0.0390	0.0791	0.1303	
MW - 4	02/11/21	<b>0.865</b>	0.0110	0.0226	0.0456	
MW - 4	06/11/21	<b>1.86</b>	0.00625	0.0148	0.0395	
MW - 4	09/23/21	Not Sampled Due to PSH in Well				
MW - 4	12/06/21	<b>3.28</b>	0.00835	0.0173	0.0610	
MW - 4	03/16/22	<b>1.85</b>	0.0101	0.0288	0.0815	
MW - 4	05/11/22	<b>2.44</b>	0.0201	0.0469	0.1578	
MW - 4	08/18/22	<b>1.63</b>	0.00615	0.0123	0.03620	
MW - 4	11/11/22	<b>1.46</b>	0.00242	0.0167	0.03739	
MW - 5	02/12/03	<b>0.0170</b>	<0.001	0.0860	0.0270	<0.001
MW - 5	05/14/03	<b>0.0550</b>	<0.001	0.0200	0.0460	<0.001
MW - 5	08/21/03	<b>0.0180</b>	<0.001	0.0090	0.0100	<0.001
MW - 5	12/10/03	<b>0.0140</b>	<0.001	0.0170	0.0050	<0.001
MW - 5	02/11/04	<b>0.0310</b>	<0.001	0.0520	0.0290	<0.001
MW - 5	05/11/04	0.0011	<0.001	<0.001	<0.002	<0.001
MW - 5	08/24/04	<b>0.0433</b>	<0.001	0.0987	0.0689	0.002
MW - 5	12/03/04	<0.001	<0.001	<0.001	<0.001	
MW - 5	3/8/2005	<b>0.0157</b>	<0.005	0.0071	<0.005	
MW - 5	06/08/05	<b>0.0113</b>	<0.01	<0.01	<0.01	
MW - 5	09/16/05	0.0052	<0.001	<0.001	0.0027	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 5	12/12/05	0.0093	<0.001	<0.001	0.0030	
MW - 5	03/16/06	<b>0.0161</b>	<0.005	0.0096	<0.005	
MW - 5	06/15/06	0.0077	<0.005	<0.005	<0.005	
MW - 5	09/30/06	<0.001	<0.001	0.0090	0.0097	
MW - 5	12/01/06	<b>0.3580</b>	<0.01	0.1300	<0.01	
MW - 5	02/27/07	<0.02	<0.02	<0.02	<0.02	
MW - 5	05/22/07	<0.005	<0.005	<0.005	<0.005	
MW - 5	08/15/07	<0.1	<0.1	<0.1	<0.1	
MW - 5	11/06/07	0.0052	<0.001	<0.001	<0.001	
MW - 5	02/12/08	<b>0.0210</b>	0.0012	0.0077	0.0082	
MW - 5	05/13/08	<b>0.0126</b>	<0.001	<0.001	0.0012	
MW - 5	08/14/08	Not Sampled Due to PSH in Well				
MW - 5	11/12/08	0.0074	<0.001	<0.001	0.0033	
MW - 5	02/10/09	<0.005	<0.005	<0.005	<0.005	
MW - 5	05/12/09	<b>0.0126</b>	<0.001	<0.001	<0.001	
MW - 5	08/10/09	<b>0.1190</b>	<0.001	<0.001	0.0286	
MW - 5	11/18/09	<b>0.1320</b>	<0.001	0.0045	0.0222	
MW - 5	02/09/10	<b>0.0696</b>	<0.001	0.0058	0.0138	
MW - 5	05/12/10	<b>0.0173</b>	<0.001	0.0051	<0.001	
MW - 5	08/11/10	<0.100	<0.100	<0.100	<0.100	
MW - 5	11/11/10	<0.005	<0.005	<0.005	<0.005	
MW - 5	02/16/11	<b>0.0477</b>	<0.001	0.0166	0.0402	
MW - 5	05/19/11	<b>0.0429</b>	<0.001	<0.001	<0.001	
MW - 5	08/10/11	<b>0.0722</b>	<0.001	0.0078	0.0136	
MW - 5	11/16/11	<b>0.1030</b>	<0.001	0.0135	0.0135	
MW - 5	02/29/12	<b>0.1040</b>	<0.001	0.0404	0.0422	
MW - 5	05/02/12	<b>0.0804</b>	<0.001	0.0206	0.0259	
MW - 5	08/10/12	Not Sampled due to Site Excavation				
MW - 5	12/06/12	<b>0.0295</b>	<0.001	<0.001	<0.001	
MW - 5	02/13/13	<b>0.0946</b>	<0.005	<0.005	<0.005	
MW - 5	05/22/13	<b>0.0476</b>	<0.00500	<0.005	<0.005	
MW - 5	08/13/13	<b>0.0416</b>	<0.00500	<0.00500	<0.005	
MW - 5	11/21/13	<b>0.0532</b>	<0.00100	0.00660	<0.00300	
MW - 5	02/04/14	<b>0.104</b>	<0.0500	<0.0500	<0.150	
MW - 5	05/14/14	<b>0.0415</b>	<0.00100	0.00950	<0.00300	
MW - 5	08/05/14	<b>0.1080</b>	<0.00100	0.01720	0.0043	
MW - 5	11/20/14	<b>0.2130</b>	<0.0500	<0.0500	<0.0500	
MW - 5	02/09/15	<b>0.0746</b>	<0.0500	<0.0500	<0.0500	
MW - 5	05/27/15	<0.0500	<0.0500	<0.0500	<0.0500	
MW - 5	08/03/15	0.00700	<0.00100	0.00110	0.00120	

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE	
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62		
MW - 5	11/18/15	0.0724	<0.00100	0.0101	0.00550		
MW - 5	02/24/16	0.00650	<0.00100	0.00340	0.00450		
MW - 5	06/07/16	0.01720	<0.00100	0.00200	0.00240		
MW - 5	08/03/16	0.0251	<0.00500	<0.00500	<0.00500		
MW - 5	11/08/16	0.00620	<0.00500	<0.00500	<0.00500		
MW - 5	03/01/17	0.00427	<0.00200	<0.00200	0.00401		
MW - 5	05/23/17	0.0147	<0.00200	<0.00200	0.00370		
MW - 5	08/17/17	0.0189	<0.00200	<0.00200	<0.00400		
MW - 5	11/14/17	0.00774	<0.00200	<0.00200	<0.00400		
MW - 5	02/08/18	0.00414	<0.00200	<0.00200	<0.00200		
MW - 5	05/21/18	0.00461	<0.0100	<0.00500	<0.0200		
MW - 5	08/08/18	0.00904	<0.0100	<0.00500	<0.0200		
MW - 5	11/13/18	0.0219	<0.0100	<0.00500	<0.0200		
MW - 5	02/13/19	0.00276	<0.00100	<0.00100	<0.00200		
MW - 5	05/08/19	0.00359	<0.00100	<0.00100	<0.00200		
MW - 5	08/08/19	0.00864	<0.00100	<0.00100	<0.00200		
MW - 5	11/13/19	0.00751	<0.00100	<0.00100	<0.00200		
MW - 5	03/04/20	0.00664	<0.00100	0.00179	0.00442		
MW - 5	06/18/20	0.00376	<0.00500	<0.00500	0.01489		
MW - 5	08/13/20	0.00916	0.00144	0.00538	0.01000		
MW - 5	12/09/20	0.0108	0.00164	<0.00100	0.00375		
MW - 5	02/11/21	0.0318	0.00192	0.00369	<0.00200		
MW - 5	06/11/21	0.0278	0.00204	0.00384	0.00965		
MW - 5	09/23/21	0.0109	<0.00100	0.00210	<0.00200		
MW - 5	12/07/21	0.00337	0.00105	<0.00100	<0.00200		
MW - 5	03/15/22	0.00748	0.00126	<0.00100	<0.00200		
MW - 5	05/10/22	0.00451	<0.00100	<0.00100	<0.00200		
MW - 5	08/17/22	0.00212	0.00125	<0.00100	<0.00200		
MW - 5	11/09/22	0.00224	<0.00100	<0.00100	<0.00200		
MW - 6	12/03/04	0.0334	<0.0100	0.0310	0.0243		
MW - 6	03/08/05	0.0260	<0.01	0.0414	0.0315		
MW - 6	06/08/05	<0.005	<0.005	<0.005	<0.005		
MW - 6	09/16/05	Not Sampled Due to PSH in Well					
MW - 6	12/12/05	Not Sampled Due to PSH in Well					
MW - 6	03/16/06	Not Sampled Due to PSH in Well					
MW - 6	06/15/06	Not Sampled Due to PSH in Well					
MW - 6	09/30/06	Not Sampled Due to PSH in Well					
MW - 6	12/01/06	Not Sampled Due to PSH in Well					
MW - 6	02/27/07	Not Sampled Due to PSH in Well					

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 6	05/22/07	Not Sampled Due to PSH in Well				
MW - 6	08/15/07	Not Sampled Due to PSH in Well				
MW - 6	11/06/07	Not Sampled Due to PSH in Well				
MW - 6	02/12/08	Not Sampled Due to PSH in Well				
MW - 6	05/13/08	Not Sampled Due to PSH in Well				
MW - 6	08/14/08	Not Sampled Due to PSH in Well				
MW - 6	11/12/08	0.0991	0.223	0.0810	0.1910	
MW - 6	02/10/09	Not Sampled Due to PSH in Well				
MW - 6	05/12/09	0.0436	<0.005	0.0363	<0.005	
MW - 6	08/10/09	0.0162	<0.001	0.0091	<0.001	
MW - 6	11/18/09	0.0083	<0.001	0.0012	<0.001	
MW - 6	02/09/10	0.0169	<0.001	0.0067	0.0036	
MW - 6	05/13/10	0.0079	<0.001	0.0047	<0.001	
MW - 6	08/11/10	<0.100	<0.100	<0.100	<0.100	
MW - 6	11/11/10	0.0255	<0.005	<0.005	<0.005	
MW - 6	02/16/11	0.0595	<0.005	<0.005	<0.005	
MW - 6	05/19/11	0.0689	<0.005	<0.005	<0.005	
MW - 6	08/10/11	0.0189	<0.001	<0.001	<0.001	
MW - 6	11/16/11	0.0176	<0.001	<0.001	<0.001	
MW - 6	02/29/12	0.0270	<0.001	0.0101	<0.001	
MW - 6	05/02/12	Not Sampled				
MW - 6	08/10/12	Not Sampled due to Site Excavation				
MW - 6	12/07/12	Not Sampled Due to PSH in Well				
MW - 6	02/13/13	Not Sampled Due to PSH in Well				
MW - 6	05/22/13	Not Sampled Due to PSH in Well				
MW - 6	08/13/13	Not Sampled Due to PSH in Well				
MW - 6	11/21/13	Not Sampled Due to PSH in Well				
MW - 6	02/04/14	Not Sampled Due to PSH in Well				
MW - 6	05/14/14	Not Sampled Due to PSH in Well				
MW - 6	08/05/14	Not Sampled Due to PSH in Well				
MW - 6	11/19/14	Not Sampled Due to PSH in Well				
MW - 6	02/09/15	Not Sampled Due to PSH in Well				
MW - 6	05/27/15	0.0190	<0.00100	<0.00100	0.00150	
MW - 6	08/04/15	0.00900	<0.00100	0.00160	<0.00100	
MW - 6	11/19/15	0.00470	<0.00100	<0.00100	<0.00100	
MW - 6	02/24/16	0.0216	<0.00100	0.00210	0.00420	
MW - 6	06/07/16	0.0178	<0.00100	<0.00100	<0.00100	
MW - 6	08/03/16	0.0117	<0.00100	<0.00100	0.00140	
MW - 6	11/08/16	0.00610	<0.00500	<0.00500	<0.00500	
MW - 6	03/01/17	0.0188	<0.00200	<0.00200	<0.00200	

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**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 6	05/23/17	0.0299	<0.00200	<0.00200	<0.00400	
MW - 6	08/17/17	0.0521	<0.00200	<0.00200	<0.00400	
MW - 6	11/14/17	0.0297	<0.00200	<0.00200	<0.00400	
MW - 6	02/08/18	0.0459	<0.00200	<0.00200	<0.00400	
MW - 6	05/22/18	0.0176	<0.0100	<0.00500	<0.0200	
MW - 6	08/08/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 6	11/13/18	0.00697	<0.0100	<0.00500	<0.0200	
MW - 6	02/13/19	0.0220	0.00105	0.00253	0.00699	
MW - 6	05/08/19	0.00924	<0.00100	<0.00100	<0.00200	
MW - 6	08/08/19	0.0128	<0.00100	<0.00100	<0.00200	
MW - 6	11/13/19	0.00685	<0.00100	<0.00100	<0.00200	
MW - 6	03/04/20	0.0260	0.00254	0.00694	0.01916	
MW - 6	06/18/20	0.0411	0.00554	0.00877	0.0320	
MW - 6	08/13/20	0.0333	0.00435	0.00539	0.02008	
MW - 6	12/10/20	0.0284	0.00520	<0.00100	0.02118	
MW - 6	02/11/21	0.0305	0.00711	0.0296	0.01598	
MW - 6	06/10/21	0.0366	0.00500	0.00569	0.02246	
MW - 6	09/23/21	0.0302	0.00312	0.00398	0.0238	
MW - 6	12/06/21	0.0209	0.00254	<0.00100	0.00359	
MW - 6	03/16/22	Not Sampled Due to PSH in Well				
MW - 6	05/11/22	Not Sampled Due to PSH in Well				
MW - 6	08/16/22	Not Sampled Due to PSH in Well				
MW - 6	11/10/22	Not Sampled Due to PSH in Well				
MW - 7	03/08/05	1.5500	<0.1	0.1450	<0.1	
MW - 7	06/08/05	0.8100	<0.1	<0.1	<0.1	
MW - 7	09/16/05	Not Sampled Due to PSH in Well				
MW - 7	12/12/05	Not Sampled Due to PSH in Well				
MW - 7	03/16/06	Not Sampled Due to PSH in Well				
MW - 7	06/15/06	Not Sampled Due to PSH in Well				
MW - 7	09/30/06	Not Sampled Due to PSH in Well				
MW - 7	12/01/06	Not Sampled Due to PSH in Well				
MW - 7	02/27/07	Not Sampled Due to PSH in Well				
MW - 7	05/22/07	Not Sampled Due to PSH in Well				
MW - 7	08/15/07	Not Sampled Due to PSH in Well				
MW - 7	11/06/07	Not Sampled Due to PSH in Well				
MW - 7	02/12/08	Not Sampled Due to PSH in Well				
MW - 7	05/13/08	Not Sampled Due to PSH in Well				
MW - 7	08/14/08	Not Sampled Due to PSH in Well				
MW - 7	11/12/08	0.527	0.185	0.1390	0.1780	

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**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 7	02/10/09	Not Sampled Due to PSH in Well				
MW - 7	05/12/09	Not Sampled Due to PSH in Well				
MW - 7	08/10/09	Not Sampled Due to PSH in Well				
MW - 7	11/18/09	0.761	<0.005	0.1090	0.0574	
MW - 7	02/09/10	Not Sampled Due to PSH in Well				
MW - 7	05/13/10	Not Sampled Due to PSH in Well				
MW - 7	08/11/10	Not Sampled Due to PSH in Well				
MW - 7	11/11/10	Not Sampled Due to PSH in Well				
MW - 7	02/16/11	Not Sampled Due to PSH in Well				
MW - 7	05/19/11	Not Sampled Due to PSH in Well				
MW - 7	08/10/11	Not Sampled Due to PSH in Well				
MW - 7	11/16/11	Not Sampled Due to PSH in Well				
MW - 7	02/29/12	Not Sampled Due to PSH in Well				
MW - 7	05/02/12	Not Sampled Due to PSH in Well				
MW - 7	08/10/12	Not Sampled Due to PSH in Well				
MW - 7	12/07/12	Not Sampled Due to PSH in Well				
MW - 7	02/13/13	Not Sampled Due to PSH in Well				
MW - 7	05/22/13	Not Sampled Due to PSH in Well				
MW - 7	08/13/13	Not Sampled Due to PSH in Well				
MW - 7	11/21/13	Not Sampled Due to PSH in Well				
MW - 7	02/04/14	Not Sampled Due to PSH in Well				
MW - 7	05/14/14	Not Sampled Due to PSH in Well				
MW - 7	08/05/14	Not Sampled Due to PSH in Well				
MW - 7	11/19/14	Not Sampled Due to PSH in Well				
MW - 7	02/09/15	Not Sampled Due to PSH in Well				
MW - 7	05/27/15	Not Sampled Due to PSH in Well				
MW - 7	08/03/15	Not Sampled Due to PSH in Well				
MW - 7	11/19/15	Not Sampled Due to PSH in Well				
MW - 7	02/24/16	Not Sampled Due to PSH in Well				
MW - 7	06/07/16	Not Sampled Due to PSH in Well				
MW - 7	08/03/16	Not Sampled Due to PSH in Well				
MW - 7	11/08/16	Not Sampled Due to PSH in Well				
MW - 7	03/01/17	Not Sampled Due to PSH in Well				
MW - 7	05/24/17	Not Sampled Due to PSH in Well				
MW - 7	08/16/17	Not Sampled Due to PSH in Well				
MW - 7	11/14/17	Not Sampled Due to PSH in Well				
MW - 7	02/08/18	Not Sampled Due to PSH in Well				
MW - 7	05/22/18	Not Sampled Due to PSH in Well				
MW - 7	08/08/18	0.287	<0.0100	0.0337	<0.0200	
MW - 7	11/13/18	0.346	<0.0100	0.0789	0.0945	



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 7	02/13/19	<b>0.441</b>	<0.00500	0.0578	0.0218	
MW - 7	05/08/19	<b>0.161</b>	<0.00100	0.0371	0.01551	
MW - 7	08/08/19	<b>0.368</b>	<0.00100	0.0825	0.0336	
MW - 7	11/13/19	<b>0.296</b>	<0.00100	0.122	0.0757	
MW - 7	03/05/20	<b>0.371</b>	0.0382	0.226	0.378	
MW - 7	06/18/20	Not Sampled Due to PSH in Well				
MW - 7	08/12/20	Not Sampled Due to PSH in Well				
MW - 7	12/09/20	Not Sampled Due to PSH in Well				
MW - 7	02/11/21	Not Sampled Due to PSH in Well				
MW - 7	06/11/21	Not Sampled Due to PSH in Well				
MW - 7	09/23/21	Not Sampled Due to PSH in Well				
MW - 7	12/07/21	<b>0.297</b>	<0.00100	0.0132	0.00725	
MW - 7	03/15/22	<b>0.341</b>	<0.00100	0.0171	0.00740	
MW - 7	05/11/22	<b>0.422</b>	0.00100	0.0134	0.00945	
MW - 7	08/17/22	<b>1.02</b>	0.00108	0.0161	0.00727	
MW - 7	11/10/22	<b>0.212</b>	<0.00100	0.00281	<0.00200	
MW - 8	03/08/05	Not Sampled Due to PSH in Well				
MW - 8	06/08/05	Not Sampled Due to PSH in Well				
MW - 8	09/16/05	Not Sampled Due to PSH in Well				
MW - 8	12/12/05	Not Sampled Due to PSH in Well				
MW - 8	03/16/06	Not Sampled Due to PSH in Well				
MW - 8	06/15/06	Not Sampled Due to PSH in Well				
MW - 8	09/30/06	Not Sampled Due to PSH in Well				
MW - 8	12/01/06	Not Sampled Due to PSH in Well				
MW - 8	02/27/07	Not Sampled Due to PSH in Well				
MW - 8	05/22/07	Not Sampled Due to PSH in Well				
MW - 8	08/15/07	Not Sampled Due to PSH in Well				
MW - 8	11/06/07	Not Sampled Due to PSH in Well				
MW - 8	02/12/08	Not Sampled Due to PSH in Well				
MW - 8	05/13/08	Not Sampled Due to PSH in Well				
MW - 8	08/14/08	Not Sampled Due to PSH in Well				
MW - 8	11/12/08	<b>0.238</b>	0.154	0.147	0.159	
MW - 8	02/10/09	Not Sampled Due to PSH in Well				
MW - 8	05/12/09	Not Sampled Due to PSH in Well				
MW - 8	08/10/09	Not Sampled Due to PSH in Well				
MW - 8	11/18/09	<b>0.222</b>	0.0121	0.258	0.175	
MW - 8	02/09/10	Not Sampled Due to PSH in Well				
MW - 8	05/13/10	Not Sampled Due to PSH in Well				
MW - 8	08/11/10	Not Sampled Due to PSH in Well				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
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*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 8	11/11/10	Not Sampled Due to PSH in Well				
MW - 8	02/16/11	Not Sampled Due to PSH in Well				
MW - 8	05/19/11	Not Sampled Due to PSH in Well				
MW - 8	08/10/11	Not Sampled Due to PSH in Well				
MW - 8	11/16/11	Not Sampled Due to PSH in Well				
MW - 8	02/29/12	Not Sampled Due to PSH in Well				
MW - 8	05/02/12	Not Sampled Due to PSH in Well				
MW - 8	08/10/12	Not Sampled Due to PSH in Well				
MW - 8	12/07/12	Not Sampled Due to PSH in Well				
MW - 8	02/13/13	Not Sampled Due to PSH in Well				
MW - 8	05/22/13	Not Sampled Due to PSH in Well				
MW - 8	08/13/13	Not Sampled Due to PSH in Well				
MW - 8	11/21/13	Not Sampled Due to PSH in Well				
MW - 8	02/04/14	Not Sampled Due to PSH in Well				
MW - 8	05/14/14	Not Sampled Due to PSH in Well				
MW - 8	08/05/14	Not Sampled Due to PSH in Well				
MW - 8	11/19/14	Not Sampled Due to PSH in Well				
MW - 8	02/09/15	Not Sampled Due to PSH in Well				
MW - 8	05/27/15	Not Sampled Due to PSH in Well				
MW - 8	08/03/15	Not Sampled Due to PSH in Well				
MW - 8	11/19/15	Not Sampled Due to PSH in Well				
MW - 8	02/24/16	Not Sampled Due to PSH in Well				
MW - 8	06/07/16	Not Sampled Due to PSH in Well				
MW - 8	08/03/16	Not Sampled Due to PSH in Well				
MW - 8	11/08/16	Not Sampled Due to PSH in Well				
MW - 8	03/01/17	Not Sampled Due to PSH in Well				
MW - 8	05/24/17	Not Sampled Due to PSH in Well				
MW - 8	08/17/17	Not Sampled Due to PSH in Well				
MW - 8	11/14/17	Not Sampled Due to PSH in Well				
MW - 8	02/08/18	<b>0.165</b>	0.00866	0.0563	0.05706	
MW - 8	05/22/18	<b>0.164</b>	<0.0100	0.140	0.1191	
MW - 8	08/08/18	<b>0.0545</b>	<0.0100	0.0262	0.0244	
MW - 8	11/13/18	<b>0.166</b>	<0.0100	<0.00500	<0.0200	
MW - 8	02/13/19	<b>0.161</b>	0.00668	0.145	0.1378	
MW - 8	05/08/19	<b>0.116</b>	0.00209	0.0879	0.06030	
MW - 8	08/08/19	<b>0.133</b>	0.0212	0.376	0.415	
MW - 8	11/13/19	<b>0.148</b>	<0.00100	0.166	0.1503	
MW - 8	03/05/20	<b>0.102</b>	0.0356	0.201	0.407	
MW - 8	06/18/20	<b>0.241</b>	0.212	0.519	<b>1.235</b>	
MW - 8	08/13/20	<b>0.152</b>	0.0334	0.180	0.2423	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
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NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 8	12/09/20	Not Sampled Due to PSH in Well				
MW - 8	02/11/21	Not Sampled Due to PSH in Well				
MW - 8	06/11/21	Not Sampled Due to PSH in Well				
MW - 8	09/23/21	Not Sampled Due to PSH in Well				
MW - 8	12/07/21	Not Sampled Due to PSH in Well				
MW - 8	03/16/22	Not Sampled Due to PSH in Well				
MW - 8	05/11/22	Not Sampled Due to PSH in Well				
MW - 8	08/16/22	Not Sampled Due to PSH in Well				
MW - 8	11/10/22	Not Sampled Due to PSH in Well				
MW - 9	02/12/03	0.1210	<0.001	0.0970	0.0040	<0.001
MW - 9	05/14/03	0.0720	<0.001	0.1240	0.0040	0.006
MW - 9	08/21/03	0.0430	<0.001	0.0940	0.0050	<0.001
MW - 9	12/10/03	0.0090	<0.001	0.0300	<0.002	<0.001
MW - 9	02/11/04	0.0100	<0.001	0.0240	<0.002	<0.001
MW - 9	05/11/04	0.0195	<0.001	0.0314	<0.002	<0.001
MW - 9	08/25/04	0.1400	<0.001	0.0474	<0.002	<0.001
MW - 9	12/03/04	0.0388	<0.0200	<0.0200	<0.0200	
MW - 9	03/08/05	0.0125	<0.005	<0.005	<0.005	
MW - 9	06/08/05	0.0057	<0.005	<0.005	<0.005	
MW - 9	09/16/05	0.0059	<0.001	0.0029	<0.001	
MW - 9	12/12/05	0.0417	<0.02	<0.02	<0.02	
MW - 9	03/16/06	0.0709	<0.005	0.0227	<0.005	
MW - 9	06/15/06	0.0205	<0.005	<0.005	<0.005	
MW - 9	09/30/06	<0.001	<0.001	<0.001	<0.001	
MW - 9	12/01/06	<0.01	<0.01	<0.01	<0.01	
MW - 9	02/27/07	<0.005	<0.005	<0.005	<0.005	
MW - 9	05/22/07	<0.005	<0.005	<0.005	<0.005	
MW - 9	08/15/07	<0.1	<0.1	<0.1	<0.1	
MW - 9	11/06/07	0.0183	<0.001	<0.001	<0.001	
MW - 9	02/12/08	0.0162	<0.001	<0.001	<0.001	
MW - 9	05/13/08	0.0139	<0.001	<0.001	<0.001	
MW - 9	08/14/08	0.0137	<0.001	<0.001	<0.001	
MW - 9	11/12/08	0.0116	<0.001	<0.001	<0.001	
MW - 9	02/10/09	0.0090	<0.005	<0.005	<0.005	
MW - 9	05/12/09	0.0146	<0.001	<0.001	<0.001	
MW - 9	08/10/09	0.0117	<0.001	<0.001	<0.001	
MW - 9	11/18/09	0.0149	<0.001	<0.001	<0.001	
MW - 9	02/09/10	0.0084	<0.001	<0.001	<0.001	
MW - 9	05/13/10	0.0053	<0.001	<0.001	<0.001	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 9	08/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 9	11/11/10	<0.0100	<0.0100	<0.0100	<0.0100	
MW - 9	02/16/11	<b>0.0106</b>	<0.001	<0.001	<0.0100	
MW - 9	05/19/11	<0.001	<0.001	<0.001	<0.0100	
MW - 9	08/10/11	0.0076	<0.001	<0.001	<0.001	
MW - 9	11/16/11	0.0045	<0.001	<0.001	<0.001	
MW - 9	02/29/12	<b>0.0105</b>	<0.001	<0.001	<0.001	
MW - 9	05/02/12	0.0055	<0.001	<0.001	<0.001	
MW - 9	08/10/12	Not Sampled due to Site Excavation				
MW - 9	12/07/12	Not Sampled Due to Low Water Levels				
MW - 9	02/13/13	Not Sampled Due to Low Water Levels				
MW - 9	05/22/13	Not Sampled Due to Low Water Levels				
MW - 9	08/13/13	Not Sampled Due to Low Water Levels				
MW - 9	11/21/13	Not Sampled Due to Low Water Levels				
MW - 9	02/04/14	Plugged and Abandoned				
MW - 10	02/11/04	<b>0.0190</b>	<0.001	0.0690	0.0020	<0.001
MW - 10	05/11/04	<b>0.0369</b>	<0.001	0.0432	<0.002	<0.001
MW - 10	12/03/04	<b>0.0196</b>	<0.0100	<0.0100	<0.0100	
MW - 10	03/08/05	<0.01	<0.01	0.0102	<0.01	
MW - 10	06/08/05	<b>0.0130</b>	<0.005	0.0236	<0.005	
MW - 10	09/16/05	Not Sampled Due to PSH in Well				
MW - 10	12/12/05	Not Sampled Due to PSH in Well				
MW - 10	03/16/06	<b>0.0557</b>	<0.01	0.0751	<0.01	
MW - 10	06/15/06	Not Sampled Due to PSH in Well				
MW - 10	09/30/06	<0.001	<0.001	0.0379	0.0035	
MW - 10	12/01/06	<b>0.0265</b>	<0.01	0.0834	<0.01	
MW - 10	02/27/07	<0.01	<0.01	0.0538	<0.01	
MW - 10	05/22/07	<b>0.0134</b>	<0.005	0.0302	<0.005	
MW - 10	08/15/07	Not Sampled Due to PSH in Well				
MW - 10	11/06/07	<b>0.0213</b>	<0.001	0.0099	0.0029	
MW - 10	02/12/08	<b>0.0214</b>	<0.005	0.0136	<0.005	
MW - 10	05/13/08	<b>0.0208</b>	<0.005	0.0067	<0.005	
MW - 10	08/14/08	<b>0.0291</b>	<0.00100	<0.00100	<0.00100	
MW - 10	11/12/08	<b>0.0111</b>	<0.00100	<0.00100	<0.00100	
MW - 10	02/10/09	<b>0.0196</b>	<0.005	<0.005	<0.005	
MW - 10	05/12/09	0.0039	<0.001	<0.001	<0.001	
MW - 10	08/10/09	<b>0.0342</b>	<0.001	<0.001	<0.001	
MW - 10	11/18/09	<b>0.0275</b>	<0.001	<0.001	<0.001	
MW - 10	02/09/10	0.0073	<0.001	<0.001	<0.001	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 10	05/13/10	0.0090	<0.001	<0.001	<0.001	
MW - 10	08/11/10	<0.100	<0.100	<0.100	<0.100	
MW - 10	11/11/10	<0.005	<0.005	<0.005	<0.005	
MW - 10	02/16/11	<b>0.0302</b>	<0.001	<0.001	<0.001	
MW - 10	05/19/11	<b>0.0384</b>	<0.001	<0.001	<0.001	
MW - 10	08/10/11	<b>0.0131</b>	<0.001	<0.001	<0.001	
MW - 10	11/16/11	0.0082	<0.001	<0.001	<0.001	
MW - 10	02/29/12	<b>0.0121</b>	<0.001	<0.001	<0.001	
MW - 10	05/02/12	0.0057	<0.001	<0.001	<0.001	
MW - 10	08/10/12	Not Sampled due to Site Excavation				
MW - 10	12/06/12	<0.005	<0.005	<0.005	<0.005	
MW - 10	02/13/13	<0.005	<0.005	<0.005	<0.005	
MW - 10	05/22/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	08/13/13	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	11/21/13	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 10	02/04/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 10	05/14/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 10	08/05/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	02/09/15	0.00120	<0.00100	<0.00100	<0.00100	
MW - 10	05/27/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	08/03/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	02/24/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	06/07/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 10	08/02/16	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 10	11/08/16	<0.0100	<0.0100	<0.0100	<0.0100	
MW - 10	03/01/17	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 10	05/23/17	<0.00200	<0.00200	0.00682	0.0129	
MW - 10	08/17/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 10	11/14/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 10	02/08/18	<0.00200	<0.00200	<0.00200	0.00403	
MW - 10	05/21/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 10	08/08/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 10	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 10	02/12/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 10	05/07/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 10	08/07/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 10	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 10	03/04/20	<0.00100	<0.00100	0.00175	0.00461	

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 10	06/17/20	Not Sampled on Current Sample Schedule				
MW - 10	08/12/20	Not Sampled on Current Sample Schedule				
MW - 10	12/09/20	Not Sampled on Current Sample Schedule				
MW - 10	02/10/21	Not Sampled on Current Sample Schedule				
MW - 10	06/10/21	<0.00100	<0.00100	0.00211	0.00548	
MW - 10	09/23/21	Not Sampled on Current Sample Schedule				
MW - 10	12/06/21	Not Sampled on Current Sample Schedule				
MW - 10	03/16/22	Not Sampled on Current Sample Schedule				
MW - 10	05/09/22	Not Sampled on Current Sample Schedule				
MW - 10	08/18/22	<0.00100	0.00195	0.00187	0.00430	
MW - 10	11/09/22	Not Sampled on Current Sample Schedule				
MW - 11	06/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 11	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 11	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 11	03/08/05	Not Sampled on Current Sample Schedule				
MW - 11	06/08/05	Not Sampled on Current Sample Schedule				
MW - 11	09/16/05	Not Sampled on Current Sample Schedule				
MW - 11	12/12/05	Well Obstructed				
MW - 11	03/16/06	Not Sampled on Current Sample Schedule				
MW - 11	06/15/06	Not Sampled on Current Sample Schedule				
MW - 11	09/30/06	Not Sampled on Current Sample Schedule				
MW - 11	12/01/06	<0.01	<0.01	<0.01	<0.01	
MW - 11	02/27/07	Not Sampled on Current Sample Schedule				
MW - 11	05/22/07	Not Sampled on Current Sample Schedule				
MW - 11	08/15/07	Not Sampled on Current Sample Schedule				
MW - 11	11/06/07	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/12/08	Not Sampled on Current Sample Schedule				
MW - 11	05/13/08	Not Sampled on Current Sample Schedule				
MW - 11	08/14/08	Not Sampled on Current Sample Schedule				
MW - 11	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/10/09	Not Sampled on Current Sample Schedule				
MW - 11	05/12/09	Not Sampled on Current Sample Schedule				
MW - 11	08/10/09	Not Sampled on Current Sample Schedule				
MW - 11	11/17/09	<0.001	<0.001	<0.001	<0.001	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 11	02/09/10	Not Sampled on Current Sample Schedule				
MW - 11	05/13/10	Not Sampled on Current Sample Schedule				
MW - 11	08/11/10	Not Sampled on Current Sample Schedule				
MW - 11	11/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/16/11	Not Sampled on Current Sample Schedule				
MW - 11	05/19/11	Not Sampled on Current Sample Schedule				
MW - 11	08/10/11	Not Sampled on Current Sample Schedule				
MW - 11	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/29/12	Not Sampled on Current Sample Schedule				
MW - 11	05/02/12	Not Sampled on Current Sample Schedule				
MW - 11	08/10/12	Not Sampled on Current Sample Schedule				
MW - 11	12/07/12	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/29/12	Not Sampled on Current Sample Schedule				
MW - 11	05/02/12	Not Sampled on Current Sample Schedule				
MW - 11	08/10/12	Not Sampled due to Site Excavation				
MW - 11	12/07/12	<0.001	<0.001	<0.001	<0.001	
MW - 11	02/13/13	Not Sampled on Current Sample Schedule				
MW - 11	05/22/13	Not Sampled on Current Sample Schedule				
MW - 11	08/13/13	Not Sampled on Current Sample Schedule				
MW - 11	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 11	02/04/14	Not Sampled on Current Sample Schedule				
MW - 11	05/14/14	Not Sampled on Current Sample Schedule				
MW - 11	08/05/14	Not Sampled on Current Sample Schedule				
MW - 11	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	02/09/15	Not Sampled on Current Sample Schedule				
MW - 11	05/27/15	Not Sampled on Current Sample Schedule				
MW - 11	08/03/15	Not Sampled on Current Sample Schedule				
MW - 11	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	02/24/16	Not Sampled on Current Sample Schedule				
MW - 11	06/07/16	Not Sampled on Current Sample Schedule				
MW - 11	08/02/16	Not Sampled on Current Sample Schedule				
MW - 11	11/08/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 11	03/01/17	Not Sampled on Current Sample Schedule				
MW - 11	05/23/17	Not Sampled on Current Sample Schedule				
MW - 11	08/17/17	Not Sampled on Current Sample Schedule				
MW - 11	11/13/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 11	02/08/18	Not Sampled on Current Sample Schedule				
MW - 11	05/21/18	Not Sampled on Current Sample Schedule				
MW - 11	08/08/18	Not Sampled on Current Sample Schedule				
MW - 11	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 11	02/12/19	Not Sampled on Current Sample Schedule				
MW - 11	05/07/19	Not Sampled on Current Sample Schedule				
MW - 11	08/07/19	Not Sampled on Current Sample Schedule				
MW - 11	11/05/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	03/04/20	Not Sampled on Current Sample Schedule				
MW - 11	06/17/20	Not Sampled on Current Sample Schedule				
MW - 11	08/12/20	Not Sampled on Current Sample Schedule				
MW - 11	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	02/10/21	Not Sampled on Current Sample Schedule				
MW - 11	06/09/21	Not Sampled on Current Sample Schedule				
MW - 11	09/23/21	Not Sampled on Current Sample Schedule				
MW - 11	12/07/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	03/15/22	<0.00100	<0.00100	0.00175	<0.00200	
MW - 11	05/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 11	08/17/22	0.00548	0.0161	0.00335	0.00944	
MW - 11	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
<b> </b>						
MW - 12	06/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 12	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 12	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 12	12/02/04	<0.001	<0.001	<0.001	<0.001	
MW - 12	03/08/05	Not Sampled on Current Sample Schedule				
MW - 12	06/08/05	Not Sampled on Current Sample Schedule				
MW - 12	09/16/05	Not Sampled on Current Sample Schedule				
MW - 12	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 12	03/16/06	Not Sampled on Current Sample Schedule				
MW - 12	06/15/06	Not Sampled on Current Sample Schedule				
MW - 12	09/30/06	Not Sampled on Current Sample Schedule				
MW - 12	12/01/06	<0.01	<0.01	<0.01	0.0336	
MW - 12	02/27/07	Not Sampled on Current Sample Schedule				
MW - 12	05/22/07	Not Sampled on Current Sample Schedule				
MW - 12	08/15/07	Not Sampled on Current Sample Schedule				
MW - 12	11/06/07	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/12/08	Not Sampled on Current Sample Schedule				
MW - 12	06/05/08	<0.001	<0.001	<0.001	<0.001	



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 12	08/14/08	Not Sampled on Current Sample Schedule				
MW - 12	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/10/09	Not Sampled on Current Sample Schedule				
MW - 12	05/12/09	Not Sampled on Current Sample Schedule				
MW - 12	08/10/09	Not Sampled on Current Sample Schedule				
MW - 12	11/17/09	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/09/10	Not Sampled on Current Sample Schedule				
MW - 12	05/13/10	Not Sampled on Current Sample Schedule				
MW - 12	08/11/10	Not Sampled on Current Sample Schedule				
MW - 12	11/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/16/11	Not Sampled on Current Sample Schedule				
MW - 12	05/19/11	Not Sampled on Current Sample Schedule				
MW - 12	08/10/11	Not Sampled on Current Sample Schedule				
MW - 12	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/29/12	Not Sampled on Current Sample Schedule				
MW - 12	05/02/12	Not Sampled on Current Sample Schedule				
MW - 12	08/10/12	Not Sampled due to Site Excavation				
MW - 12	12/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 12	02/13/13	Not Sampled on Current Sample Schedule				
MW - 12	05/22/13	Not Sampled on Current Sample Schedule				
MW - 12	08/13/13	Not Sampled on Current Sample Schedule				
MW - 12	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 12	02/04/14	Not Sampled on Current Sample Schedule				
MW - 12	05/14/14	Not Sampled on Current Sample Schedule				
MW - 12	08/05/14	Not Sampled on Current Sample Schedule				
MW - 12	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	02/09/15	Not Sampled on Current Sample Schedule				
MW - 12	05/27/15	Not Sampled on Current Sample Schedule				
MW - 12	08/03/15	Not Sampled on Current Sample Schedule				
MW - 12	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	02/24/16	Not Sampled on Current Sample Schedule				
MW - 12	06/07/16	Not Sampled on Current Sample Schedule				
MW - 12	08/02/16	Not Sampled on Current Sample Schedule				
MW - 12	11/08/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 12	03/01/17	Not Sampled on Current Sample Schedule				
MW - 12	05/23/17	Not Sampled on Current Sample Schedule				
MW - 12	08/17/17	Not Sampled on Current Sample Schedule				
MW - 12	11/13/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 12	02/08/18	Not Sampled on Current Sample Schedule				
MW - 12	05/21/18	Not Sampled on Current Sample Schedule				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 12	08/08/18	Not Sampled on Current Sample Schedule				
MW - 12	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 12	02/12/19	Not Sampled on Current Sample Schedule				
MW - 12	05/07/19	Not Sampled on Current Sample Schedule				
MW - 12	08/07/19	Not Sampled on Current Sample Schedule				
MW - 12	11/05/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	03/04/20	Not Sampled on Current Sample Schedule				
MW - 12	06/17/20	Not Sampled on Current Sample Schedule				
MW - 12	08/12/20	Not Sampled on Current Sample Schedule				
MW - 12	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	02/10/21	Not Sampled on Current Sample Schedule				
MW - 12	06/09/21	Not Sampled on Current Sample Schedule				
MW - 12	09/23/21	Not Sampled on Current Sample Schedule				
MW - 12	12/06/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 12	03/16/22	Not Sampled on Current Sample Schedule				
MW - 12	05/09/22	Not Sampled on Current Sample Schedule				
MW - 12	08/16/22	Not Sampled on Current Sample Schedule				
MW - 12	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	06/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 13	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 13	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 13	12/02/04	<0.001	<0.001	<0.001	<0.001	
MW - 13	03/08/05	Not Sampled on Current Sample Schedule				
MW - 13	06/08/05	Not Sampled on Current Sample Schedule				
MW - 13	09/16/05	Not Sampled on Current Sample Schedule				
MW - 13	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 13	03/16/06	Not Sampled on Current Sample Schedule				
MW - 13	06/15/06	Not Sampled on Current Sample Schedule				
MW - 13	09/30/06	Not Sampled on Current Sample Schedule				
MW - 13	12/01/06	<0.02	<0.02	<0.02	<0.02	
MW - 13	02/27/07	Not Sampled on Current Sample Schedule				
MW - 13	05/22/07	Not Sampled on Current Sample Schedule				
MW - 13	08/15/07	Not Sampled on Current Sample Schedule				
MW - 13	11/06/07	<0.001	<0.001	<0.001	<0.001	

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 13	02/12/08	Not Sampled on Current Sample Schedule				
MW - 13	05/13/08	Not Sampled on Current Sample Schedule				
MW - 13	08/14/08	Not Sampled on Current Sample Schedule				
MW - 13	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/10/09	Not Sampled on Current Sample Schedule				
MW - 13	05/12/09	Not Sampled on Current Sample Schedule				
MW - 13	08/10/09	Not Sampled on Current Sample Schedule				
MW - 13	11/17/09	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/09/10	Not Sampled on Current Sample Schedule				
MW - 13	05/13/10	Not Sampled on Current Sample Schedule				
MW - 13	08/11/10	Not Sampled on Current Sample Schedule				
MW - 13	11/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/16/11	Not Sampled on Current Sample Schedule				
MW - 13	05/19/11	Not Sampled on Current Sample Schedule				
MW - 13	08/10/11	Not Sampled on Current Sample Schedule				
MW - 13	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/29/12	Not Sampled on Current Sample Schedule				
MW - 13	05/02/12	Not Sampled on Current Sample Schedule				
MW - 13	08/10/12	Not Sampled due to Site Excavation				
MW - 13	12/07/12	<0.001	<0.001	<0.001	<0.001	
MW - 13	02/13/13	Not Sampled on Current Sample Schedule				
MW - 13	05/22/13	Not Sampled on Current Sample Schedule				
MW - 13	08/13/13	Not Sampled on Current Sample Schedule				
MW - 13	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 13	02/04/14	Not Sampled on Current Sample Schedule				
MW - 13	05/14/14	Not Sampled on Current Sample Schedule				
MW - 13	08/05/14	Not Sampled on Current Sample Schedule				
MW - 13	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	02/09/15	Not Sampled on Current Sample Schedule				
MW - 13	05/27/15	Not Sampled on Current Sample Schedule				
MW - 13	08/03/15	Not Sampled on Current Sample Schedule				
MW - 13	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	02/24/16	Not Sampled on Current Sample Schedule				
MW - 13	06/07/16	Not Sampled on Current Sample Schedule				
MW - 13	08/02/16	Not Sampled on Current Sample Schedule				
MW - 13	11/08/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 13	03/01/17	Not Sampled on Current Sample Schedule				
MW - 13	05/23/17	Not Sampled on Current Sample Schedule				
MW - 13	08/17/17	Not Sampled on Current Sample Schedule				
MW - 13	11/13/17	<0.00200	<0.00200	<0.00200	<0.00400	

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 13	02/08/18	Not Sampled on Current Sample Schedule				
MW - 13	05/21/18	Not Sampled on Current Sample Schedule				
MW - 13	08/08/18	Not Sampled on Current Sample Schedule				
MW - 13	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 13	02/12/19	Not Sampled on Current Sample Schedule				
MW - 13	05/07/19	Not Sampled on Current Sample Schedule				
MW - 13	08/07/19	Not Sampled on Current Sample Schedule				
MW - 13	11/05/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	03/04/20	Not Sampled on Current Sample Schedule				
MW - 13	06/17/20	Not Sampled on Current Sample Schedule				
MW - 13	08/12/20	Not Sampled on Current Sample Schedule				
MW - 13	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	02/10/21	Not Sampled on Current Sample Schedule				
MW - 13	06/09/21	Not Sampled on Current Sample Schedule				
MW - 13	09/23/21	Not Sampled on Current Sample Schedule				
MW - 13	12/06/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 13	03/16/22	Not Sampled on Current Sample Schedule				
MW - 13	05/09/22	Not Sampled on Current Sample Schedule				
MW - 13	08/16/22	Not Sampled on Current Sample Schedule				
MW - 13	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 14	3/8/2005	Not Sampled Due to PSH in Well				
MW - 14	06/08/05	Not Sampled Due to PSH in Well				
MW - 14	09/16/05	Not Sampled Due to PSH in Well				
MW - 14	12/12/05	Not Sampled Due to PSH in Well				
MW - 14	03/16/06	Not Sampled Due to PSH in Well				
MW - 14	06/15/06	Not Sampled Due to PSH in Well				
MW - 14	09/30/06	Not Sampled Due to PSH in Well				
MW - 14	12/01/06	Not Sampled Due to PSH in Well				
MW - 14	02/27/07	Not Sampled Due to PSH in Well				
MW - 14	05/22/07	Not Sampled Due to PSH in Well				
MW - 14	08/15/07	Not Sampled Due to PSH in Well				
MW - 14	11/06/07	Not Sampled Due to PSH in Well				
MW - 14	02/12/08	Not Sampled Due to PSH in Well				
MW - 14	05/13/08	Not Sampled Due to PSH in Well				
MW - 14	08/14/08	Not Sampled Due to PSH in Well				
MW - 14	11/12/08	<b>0.3180</b>	0.136	0.3880	0.2620	
MW - 14	02/10/09	Not Sampled Due to PSH in Well				
MW - 14	05/12/09	Not Sampled Due to PSH in Well				
MW - 14	08/10/09	Not Sampled Due to PSH in Well				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 14	11/18/09	0.2010	<0.100	0.2640	<0.100	
MW - 14	02/09/10	Not Sampled Due to PSH in Well				
MW - 14	05/13/10	Not Sampled Due to PSH in Well				
MW - 14	08/11/10	Not Sampled Due to PSH in Well				
MW - 14	11/11/10	Not Sampled Due to PSH in Well				
MW - 14	02/16/11	Not Sampled Due to PSH in Well				
MW - 14	05/19/11	Not Sampled Due to PSH in Well				
MW - 14	08/10/11	Not Sampled Due to PSH in Well				
MW - 14	11/16/11	Not Sampled Due to PSH in Well				
MW - 14	02/29/12	Not Sampled Due to PSH in Well				
MW - 14	05/02/12	Not Sampled Due to PSH in Well				
MW - 14	08/10/12	Not Sampled Due to PSH in Well				
MW - 14	12/07/12	Not Sampled Due to PSH in Well				
MW - 14	02/13/13	Not Sampled Due to PSH in Well				
MW - 14	05/22/13	Not Sampled Due to PSH in Well				
MW - 14	08/13/13	Not Sampled Due to PSH in Well				
MW - 14	11/21/13	Not Sampled Due to PSH in Well				
MW - 14	02/04/14	Not Sampled Due to PSH in Well				
MW - 14	05/14/14	Not Sampled Due to PSH in Well				
MW - 14	08/05/14	Not Sampled Due to PSH in Well				
MW - 14	11/19/14	Not Sampled Due to PSH in Well				
MW - 14	02/09/15	0.226	<0.0500	0.138	<0.0500	
MW - 14	05/27/15	0.475	<0.0500	0.0534	<0.0500	
MW - 14	08/03/15	0.380	<0.0500	0.114	<0.0500	
MW - 14	11/19/15	0.128	<0.0500	<0.0500	<0.0500	
MW - 14	02/24/16	0.348	<0.00100	0.117	0.0328	
MW - 14	06/07/16	0.344	<0.00100	0.0817	0.0265	
MW - 14	08/03/16	0.189	<0.0500	0.102	<0.0500	
MW - 14	11/08/16	0.106	<0.0500	<0.0500	<0.0500	
MW - 14	03/01/17	0.287	<0.00200	0.109	0.0427	
MW - 14	05/23/17	0.547	<0.00200	0.105	0.0458	
MW - 14	08/17/17	0.570	<0.0200	0.242	0.092	
MW - 14	11/14/17	0.561	<0.00200	0.115	0.0483	
MW - 14	02/08/18	0.297	0.00298	0.0582	0.0243	
MW - 14	05/22/18	0.336	<0.0100	0.101	0.0708	
MW - 14	08/08/18	0.213	<0.0100	0.156	0.0900	
MW - 14	11/13/18	0.205	<0.0100	0.108	0.0459	
MW - 14	02/13/19	0.227	<0.00100	0.101	0.0479	
MW - 14	05/08/19	0.163	<0.00100	0.0756	0.0422	
MW - 14	08/08/19	0.328	0.00105	0.174	0.0953	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030					
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE	
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62		
MW - 14	11/13/19	0.147	<0.00100	0.0914	0.0557		
MW - 14	03/05/20	0.235	0.00229	0.110	0.04423		
MW - 14	06/18/20	0.147	0.00505	0.140	0.1077		
MW - 14	08/13/20	0.208	0.00662	0.172	0.0988		
MW - 14	12/10/20	0.160	0.0116	0.157	0.06489		
MW - 14	02/11/21	0.140	0.0245	0.145	0.1472		
MW - 14	06/11/21	0.236	0.0227	0.137	0.1658		
MW - 14	09/23/21	0.352	0.0398	0.259	0.3124		
MW - 14	12/06/21	0.231	0.0189	0.239	0.1642		
MW - 14	03/16/22	0.281	0.00126	0.190	0.0521		
MW - 14	05/11/22	0.270	0.00775	0.221	0.0971		
MW - 14	08/18/22	0.207	0.00836	0.176	0.08336		
MW - 14	11/11/22	0.250	0.00903	0.225	0.1026		
MW - 15	3/8/2005	Not Sampled Due to PSH in Well					
MW - 15	06/08/05	Not Sampled Due to PSH in Well					
MW - 15	09/16/05	Not Sampled Due to PSH in Well					
MW - 15	12/12/05	Not Sampled Due to PSH in Well					
MW - 15	03/16/06	Not Sampled Due to PSH in Well					
MW - 15	06/15/06	Not Sampled Due to PSH in Well					
MW - 15	09/30/06	Not Sampled Due to PSH in Well					
MW - 15	12/01/06	Not Sampled Due to PSH in Well					
MW - 15	02/27/07	Not Sampled Due to PSH in Well					
MW - 15	05/22/07	Not Sampled Due to PSH in Well					
MW - 15	08/15/07	Not Sampled Due to PSH in Well					
MW - 15	11/06/07	Not Sampled Due to PSH in Well					
MW - 15	02/12/08	0.1610	<0.002	0.2410	0.0531		
MW - 15	05/13/08	Not Sampled Due to PSH in Well					
MW - 15	08/14/08	Not Sampled Due to PSH in Well					
MW - 15	11/12/08	Not Sampled Due to Insufficient Water in Well					
MW - 15	02/10/09	Not Sampled Due to PSH in Well					
MW - 15	05/12/09	Not Sampled Due to PSH in Well					
MW - 15	08/10/09	Not Sampled Due to PSH in Well					
MW - 15	11/18/09	0.0773	<0.020	0.0535	<0.020		
MW - 15	02/09/10	Not Sampled Due to PSH in Well					
MW - 15	05/13/10	Not Sampled Due to PSH in Well					
MW - 15	08/11/10	Not Sampled Due to PSH in Well					
MW - 15	11/11/10	Not Sampled Due to PSH in Well					
MW - 15	02/16/11	Not Sampled Due to PSH in Well					
MW - 15	05/19/11	Not Sampled Due to PSH in Well					

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 15	08/10/11	Not Sampled Due to PSH in Well				
MW - 15	11/17/11	0.0898	<0.020	<0.020	<0.020	
MW - 15	02/29/12	0.2550	<0.020	0.2000	<0.020	
MW - 15	05/02/12	0.1420	<0.020	0.1010	<0.020	
MW - 15	08/10/12	Not Sampled due to Site Excavation				
MW - 15	12/07/12	Not Sampled due to PSH in Well				
MW - 15	02/13/13	Not Sampled due to PSH in Well				
MW - 15	05/22/13	0.0956	<0.00500	0.0300	<0.00500	
MW - 15	08/13/13	0.0909	<0.00500	<0.00500	<0.00500	
MW - 15	11/21/13	0.123	<0.0500	<0.0500	<0.150	
MW - 15	02/04/14	0.108	<0.0500	<0.0500	<0.150	
MW - 15	05/14/14	0.0779	<0.0500	<0.0500	<0.150	
MW - 15	08/05/14	Not Sampled due to PSH in Well				
MW - 15	11/19/14	Not Sampled due to PSH in Well				
MW - 15	02/09/15	0.0705	<0.0500	<0.0500	<0.0500	
MW - 15	05/27/15	0.0265	<0.00100	0.00820	0.00230	
MW - 15	08/03/15	<0.0500	<0.0500	<0.0500	<0.0500	
MW - 15	11/19/15	0.0237	<0.00100	0.00200	<0.00100	
MW - 15	02/24/16	0.0286	0.00150	0.00370	0.0113	
MW - 15	06/07/16	0.0203	<0.00100	0.00460	0.0015	
MW - 15	08/03/16	<0.0100	<0.0100	<0.0100	<0.0100	
MW - 15	11/08/16	0.0139	<0.00500	0.00500	<0.00500	
MW - 15	03/01/17	0.0225	<0.00200	0.00896	0.0101	
MW - 15	05/23/17	0.0399	<0.00200	0.0155	0.0154	
MW - 15	08/17/17	0.0394	<0.00200	0.0120	0.00629	
MW - 15	11/14/17	0.0311	<0.00200	0.00339	<0.00400	
MW - 15	02/08/18	0.0519	<0.00200	0.00395	0.00843	
MW - 15	05/22/18	0.0241	<0.0100	<0.00500	<0.0200	
MW - 15	08/08/18	0.0253	<0.0100	0.00521	<0.0200	
MW - 15	11/13/18	0.0523	<0.0100	<0.00500	<0.0200	
MW - 15	02/13/19	0.0373	0.00165	0.00852	0.02065	
MW - 15	05/08/19	0.0302	0.00140	0.00381	0.01298	
MW - 15	08/08/19	0.00852	0.00139	0.00461	0.02557	
MW - 15	11/06/19	0.00997	<0.00100	0.00413	0.01004	
MW - 15	03/05/20	0.0324	0.0124	0.0244	0.1054	
MW - 15	06/18/20	0.0456	0.0142	0.0205	0.1083	
MW - 15	08/13/20	0.0579	0.0145	0.0232	0.0938	
MW - 15	12/10/20	0.0559	0.0688	0.287	0.205	
MW - 15	02/11/21	0.0575	0.0163	0.0521	0.0353	
MW - 15	06/11/21	0.0443	0.0145	0.0143	0.0737	

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 15	09/23/21	<b>0.0247</b>	0.0120	0.0136	0.0728	
MW - 15	12/06/21	<b>0.0240</b>	0.0202	<0.00100	0.0489	
MW - 15	03/16/22	<b>0.0193</b>	0.0120	<0.00100	0.0504	
MW - 15	05/11/22	<b>0.0223</b>	0.0121	0.0154	0.0761	
MW - 15	08/18/22	0.00401	0.00201	<0.00100	0.00951	
MW - 15	11/11/22	<b>0.0157</b>	0.00132	<0.00100	0.02082	
MW - 16	06/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 16	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 16	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 16	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 16	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 16	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 16	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 16	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 16	12/02/04	<0.001	<0.001	<0.001	<0.001	
MW - 16	03/08/05	Not Sampled on Current Sample Schedule				
MW - 16	06/08/05	Not Sampled on Current Sample Schedule				
MW - 16	09/16/05	Not Sampled on Current Sample Schedule				
MW - 16	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 16	03/16/06	Not Sampled on Current Sample Schedule				
MW - 16	06/15/06	Not Sampled on Current Sample Schedule				
MW - 16	09/30/06	Not Sampled on Current Sample Schedule				
MW - 16	12/01/06	<0.02	<0.02	<0.02	<0.02	
MW - 16	02/27/07	Not Sampled on Current Sample Schedule				
MW - 16	05/22/07	Not Sampled on Current Sample Schedule				
MW - 16	08/15/07	Not Sampled on Current Sample Schedule				
MW - 16	11/05/07	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/12/08	Not Sampled on Current Sample Schedule				
MW - 16	05/13/08	Not Sampled on Current Sample Schedule				
MW - 16	08/14/08	Not Sampled on Current Sample Schedule				
MW - 16	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/10/09	Not Sampled on Current Sample Schedule				
MW - 16	05/12/09	Not Sampled on Current Sample Schedule				
MW - 16	08/10/09	Not Sampled on Current Sample Schedule				
MW - 16	11/17/09	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/09/10	Not Sampled on Current Sample Schedule				
MW - 16	05/13/10	Not Sampled on Current Sample Schedule				
MW - 16	08/11/10	Not Sampled on Current Sample Schedule				
MW - 16	11/11/10	<0.001	<0.001	<0.001	<0.001	



TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 16	02/16/11	Not Sampled on Current Sample Schedule				
MW - 16	05/19/11	Not Sampled on Current Sample Schedule				
MW - 16	08/10/11	Not Sampled on Current Sample Schedule				
MW - 16	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/29/12	Not Sampled on Current Sample Schedule				
MW - 16	05/02/12	Not Sampled on Current Sample Schedule				
MW - 16	08/10/12	Not Sampled due to Site Excavation				
MW - 16	12/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 16	02/13/13	Not Sampled on Current Sample Schedule				
MW - 16	05/22/13	Not Sampled on Current Sample Schedule				
MW - 16	08/13/13	Not Sampled on Current Sample Schedule				
MW - 16	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 16	02/04/14	Not Sampled on Current Sample Schedule				
MW - 16	05/14/14	Not Sampled on Current Sample Schedule				
MW - 16	08/05/14	Not Sampled on Current Sample Schedule				
MW - 16	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 16	02/09/15	Not Sampled on Current Sample Schedule				
MW - 16	05/27/15	Not Sampled on Current Sample Schedule				
MW - 16	08/03/15	Not Sampled on Current Sample Schedule				
MW - 16	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 16	02/24/16	Not Sampled on Current Sample Schedule				
MW - 16	06/07/16	Not Sampled on Current Sample Schedule				
MW - 16	08/03/16	Not Sampled on Current Sample Schedule				
MW - 16	11/08/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 16	03/01/17	Not Sampled on Current Sample Schedule				
MW - 16	05/23/17	Not Sampled on Current Sample Schedule				
MW - 16	08/17/17	Not Sampled on Current Sample Schedule				
MW - 16	11/13/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 16	02/08/18	Not Sampled on Current Sample Schedule				
MW - 16	05/22/18	Not Sampled on Current Sample Schedule				
MW - 16	08/08/18	Not Sampled on Current Sample Schedule				
MW - 16	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 16	02/12/19	Not Sampled on Current Sample Schedule				
MW - 16	05/07/19	Not Sampled on Current Sample Schedule				
MW - 16	08/07/19	Not Sampled on Current Sample Schedule				
MW - 16	11/05/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 16	03/04/20	Not Sampled on Current Sample Schedule				
MW - 16	06/17/20	Not Sampled on Current Sample Schedule				
MW - 16	08/12/20	Not Sampled on Current Sample Schedule				
MW - 16	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 16	02/10/21	Not Sampled on Current Sample Schedule				
MW - 16	06/09/21	Not Sampled on Current Sample Schedule				
MW - 16	09/23/21	Not Sampled on Current Sample Schedule				
MW - 16	12/06/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 16	03/16/22	Not Sampled on Current Sample Schedule				
MW - 16	05/09/22	Not Sampled on Current Sample Schedule				
MW - 16	08/16/22	Not Sampled on Current Sample Schedule				
MW - 16	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 17	06/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 17	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 17	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 17	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 17	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 17	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 17	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 17	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 17	12/02/04	<0.001	<0.001	<0.001	<0.001	
MW - 17	03/08/05	Not Sampled on Current Sample Schedule				
MW - 17	06/08/05	Not Sampled on Current Sample Schedule				
MW - 17	09/16/05	Not Sampled on Current Sample Schedule				
MW - 17	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 17	03/16/06	Not Sampled on Current Sample Schedule				
MW - 17	06/15/06	Not Sampled on Current Sample Schedule				
MW - 17	09/30/06	Not Sampled on Current Sample Schedule				
MW - 17	12/01/06	<0.02	<0.02	<0.02	<0.02	
MW - 17	02/27/07	Not Sampled on Current Sample Schedule				
MW - 17	05/22/07	Not Sampled on Current Sample Schedule				
MW - 17	08/15/07	Not Sampled on Current Sample Schedule				
MW - 17	11/06/07	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/12/08	Not Sampled on Current Sample Schedule				
MW - 17	05/13/08	Not Sampled on Current Sample Schedule				
MW - 17	08/14/08	Not Sampled on Current Sample Schedule				
MW - 17	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/10/09	Not Sampled on Current Sample Schedule				
MW - 17	05/12/09	Not Sampled on Current Sample Schedule				
MW - 17	08/10/09	Not Sampled on Current Sample Schedule				
MW - 17	11/17/09	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/09/10	Not Sampled on Current Sample Schedule				
MW - 17	05/13/10	Not Sampled on Current Sample Schedule				

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 17	08/11/10	Not Sampled on Current Sample Schedule				
MW - 17	11/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/16/11	Not Sampled on Current Sample Schedule				
MW - 17	05/19/11	Not Sampled on Current Sample Schedule				
MW - 17	08/10/11	Not Sampled on Current Sample Schedule				
MW - 17	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/29/12	Not Sampled on Current Sample Schedule				
MW - 17	05/02/12	Not Sampled on Current Sample Schedule				
MW - 17	08/10/12	Not Sampled on Current Sample Schedule				
MW - 17	12/07/12	<0.001	<0.001	<0.001	<0.001	
MW - 17	02/13/13	Not Sampled on Current Sample Schedule				
MW - 17	05/22/13	Not Sampled on Current Sample Schedule				
MW - 17	08/13/13	Not Sampled on Current Sample Schedule				
MW - 17	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 17	02/04/14	Not Sampled on Current Sample Schedule				
MW - 17	05/14/14	Not Sampled on Current Sample Schedule				
MW - 17	08/05/14	Not Sampled on Current Sample Schedule				
MW - 17	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	02/09/15	Not Sampled on Current Sample Schedule				
MW - 17	05/27/15	Not Sampled on Current Sample Schedule				
MW - 17	08/03/15	Not Sampled on Current Sample Schedule				
MW - 17	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	02/24/16	Not Sampled on Current Sample Schedule				
MW - 17	06/07/16	Not Sampled on Current Sample Schedule				
MW - 17	08/03/16	Not Sampled on Current Sample Schedule				
MW - 17	11/08/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 17	03/01/17	Not Sampled on Current Sample Schedule				
MW - 17	05/23/17	Not Sampled on Current Sample Schedule				
MW - 17	08/17/17	Not Sampled on Current Sample Schedule				
MW - 17	11/13/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 17	02/08/18	Not Sampled on Current Sample Schedule				
MW - 17	05/22/18	Not Sampled on Current Sample Schedule				
MW - 17	08/08/18	Not Sampled on Current Sample Schedule				
MW - 17	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 17	02/12/19	Not Sampled on Current Sample Schedule				
MW - 17	05/07/19	Not Sampled on Current Sample Schedule				
MW - 17	08/07/19	Not Sampled on Current Sample Schedule				
MW - 17	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 17	03/04/20	Not Sampled on Current Sample Schedule				
MW - 17	06/17/20	Not Sampled on Current Sample Schedule				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 17	08/12/20	Not Sampled on Current Sample Schedule				
MW - 17	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 17	02/10/21	Not Sampled on Current Sample Schedule				
MW - 17	06/09/21	Not Sampled on Current Sample Schedule				
MW - 17	09/23/21	Not Sampled on Current Sample Schedule				
MW - 17	12/06/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 17	03/16/22	Not Sampled on Current Sample Schedule				
MW - 17	05/09/22	Not Sampled on Current Sample Schedule				
MW - 17	08/16/22	Not Sampled on Current Sample Schedule				
MW - 17	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	06/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 18	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 18	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 18	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 18	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 18	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 18	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 18	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 18	12/02/04	<0.001	<0.001	<0.001	<0.001	
MW - 18	03/08/05	Not Sampled on Current Sample Schedule				
MW - 18	06/08/05	Not Sampled on Current Sample Schedule				
MW - 18	09/16/05	Not Sampled on Current Sample Schedule				
MW - 18	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 18	03/16/06	Not Sampled on Current Sample Schedule				
MW - 18	06/15/06	Not Sampled on Current Sample Schedule				
MW - 18	09/30/06	Not Sampled on Current Sample Schedule				
MW - 18	12/01/06	<0.01	<0.01	<0.01	<0.01	
MW - 18	02/27/07	Not Sampled on Current Sample Schedule				
MW - 18	05/22/07	Not Sampled on Current Sample Schedule				
MW - 18	08/15/07	Not Sampled on Current Sample Schedule				
MW - 18	11/06/07	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/12/08	Not Sampled on Current Sample Schedule				
MW - 18	05/13/08	Not Sampled on Current Sample Schedule				
MW - 18	08/14/08	Not Sampled on Current Sample Schedule				
MW - 18	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/10/09	Not Sampled on Current Sample Schedule				
MW - 18	05/12/09	Not Sampled on Current Sample Schedule				
MW - 18	08/10/09	Not Sampled on Current Sample Schedule				
MW - 18	11/17/09	<0.001	<0.001	<0.001	<0.001	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 18	02/09/10	Not Sampled on Current Sample Schedule				
MW - 18	05/13/10	Not Sampled on Current Sample Schedule				
MW - 18	08/11/10	Not Sampled on Current Sample Schedule				
MW - 18	11/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/16/11	Not Sampled on Current Sample Schedule				
MW - 18	05/19/11	Not Sampled on Current Sample Schedule				
MW - 18	08/10/11	Not Sampled on Current Sample Schedule				
MW - 18	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/29/12	Not Sampled on Current Sample Schedule				
MW - 18	05/02/12	Not Sampled on Current Sample Schedule				
MW - 18	08/10/12	Not Sampled due to Site Excavation				
MW - 18	12/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 18	02/13/13	Not Sampled on Current Sample Schedule				
MW - 18	05/22/13	Not Sampled on Current Sample Schedule				
MW - 18	08/13/13	Not Sampled on Current Sample Schedule				
MW - 18	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 18	02/04/14	Not Sampled on Current Sample Schedule				
MW - 18	05/14/14	Not Sampled on Current Sample Schedule				
MW - 18	08/05/14	Not Sampled on Current Sample Schedule				
MW - 18	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	02/09/15	Not Sampled on Current Sample Schedule				
MW - 18	05/27/15	Not Sampled on Current Sample Schedule				
MW - 18	08/03/15	Not Sampled on Current Sample Schedule				
MW - 18	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 18	02/24/16	Not Sampled on Current Sample Schedule				
MW - 18	06/07/16	Not Sampled on Current Sample Schedule				
MW - 18	08/03/16	Not Sampled on Current Sample Schedule				
MW - 18	11/08/16	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 18	03/01/17	Not Sampled on Current Sample Schedule				
MW - 18	05/23/17	Not Sampled on Current Sample Schedule				
MW - 18	08/17/17	Not Sampled on Current Sample Schedule				
MW - 18	11/14/17	0.00227	<0.00200	<0.00200	<0.00400	
MW - 18	02/08/18	Not Sampled on Current Sample Schedule				
MW - 18	05/22/18	Not Sampled on Current Sample Schedule				
MW - 18	08/08/18	Not Sampled on Current Sample Schedule				
MW - 18	11/13/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 18	02/13/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	05/07/19	Not Sampled on Current Sample Schedule				
MW - 18	08/07/19	Not Sampled on Current Sample Schedule				
MW - 18	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 18	03/04/20	Not Sampled on Current Sample Schedule				
MW - 18	06/17/20	Not Sampled on Current Sample Schedule				
MW - 18	08/12/20	Not Sampled on Current Sample Schedule				
MW - 18	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	02/10/21	Not Sampled on Current Sample Schedule				
MW - 18	06/09/21	Not Sampled on Current Sample Schedule				
MW - 18	09/23/21	Not Sampled on Current Sample Schedule				
MW - 18	12/06/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 18	03/16/22	Not Sampled on Current Sample Schedule				
MW - 18	05/09/22	Not Sampled on Current Sample Schedule				
MW - 18	08/16/22	Not Sampled on Current Sample Schedule				
MW - 18	11/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 19	03/08/05	Not Sampled Due to PSH in Well				
MW - 19	06/08/05	0.2720	<0.05	0.1100	<0.05	
MW - 19	09/16/05	Not Sampled Due to PSH in Well				
MW - 19	12/12/05	Not Sampled Due to PSH in Well				
MW - 19	03/16/06	Not Sampled Due to PSH in Well				
MW - 19	06/15/06	Not Sampled Due to PSH in Well				
MW - 19	09/30/06	Not Sampled Due to PSH in Well				
MW - 19	12/01/06	Not Sampled Due to PSH in Well				
MW - 19	02/27/07	Not Sampled Due to PSH in Well				
MW - 19	05/22/07	Not Sampled Due to PSH in Well				
MW - 19	08/15/07	Not Sampled Due to PSH in Well				
MW - 19	11/06/07	Not Sampled Due to PSH in Well				
MW - 19	02/12/08	Not Sampled Due to PSH in Well				
MW - 19	05/13/08	Not Sampled Due to PSH in Well				
MW - 19	08/14/08	Not Sampled Due to PSH in Well				
MW - 19	11/12/08	Not Sampled Due to Insufficient Water in Well				
MW - 19	02/10/09	Not Sampled Due to PSH in Well				
MW - 19	05/12/09	Not Sampled Due to PSH in Well				
MW - 19	08/10/09	Not Sampled Due to PSH in Well				
MW - 19	11/18/09	0.2360	<0.010	0.0320	0.0296	
MW - 19	02/09/10	0.2630	<0.010	0.0546	0.0714	
MW - 19	05/13/10	0.1920	<0.001	0.0455	0.0768	
MW - 19	08/11/10	0.1340	<0.100	<0.100	0.1050	
MW - 19	11/11/10	0.4740	<0.100	<0.100	<0.100	
MW - 19	02/16/11	0.6910	<0.100	<0.100	<0.100	
MW - 19	05/19/11	1.1500	<0.100	0.5160	1.5900	
MW - 19	08/10/11	0.2940	<0.100	0.0398	0.0435	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 19	11/16/11	0.3180	<0.001	0.0460	0.0510	
MW - 19	02/29/12	0.3070	<0.001	0.0515	0.0635	
MW - 19	05/02/12	0.2550	<0.001	0.0404	0.0471	
MW - 19	08/10/12	Not Sampled Due to PSH in Well				
MW - 19	12/06/12	Not Sampled Due to PSH in Well				
MW - 19	02/13/13	Not Sampled Due to PSH in Well				
MW - 19	05/22/13	Not Sampled				
MW - 19	08/13/13	0.263	<0.00100	0.0464	0.0808	
MW - 19	11/21/13	Not Sampled Due to PSH in Well				
MW - 19	02/04/14	Not Sampled Due to PSH in Well				
MW - 19	05/14/14	Not Sampled Due to PSH in Well				
MW - 19	08/05/14	Not Sampled Due to PSH in Well				
MW - 19	11/20/14	0.366	<0.0500	<0.0500	<0.0500	
MW - 19	02/09/15	0.205	<0.0500	<0.0500	<0.0500	
MW - 19	05/27/15	0.217	<0.0500	<0.0500	<0.0500	
MW - 19	08/03/15	0.202	<0.0500	<0.0500	<0.0500	
MW - 19	11/19/15	0.236	<0.00100	0.0440	0.0165	
MW - 19	02/24/16	0.256	<0.00100	0.0364	0.0155	
MW - 19	06/07/16	0.239	<0.00100	0.0389	0.00480	
MW - 19	08/03/16	0.205	<0.0500	<0.0500	<0.0500	
MW - 19	11/08/16	0.139	<0.0500	<0.0500	<0.0500	
MW - 19	03/01/17	0.147	0.00586	0.0260	0.0411	
MW - 19	05/23/17	0.295	0.00361	0.0470	0.0147	
MW - 19	08/17/17	0.390	0.00302	0.0523	0.03216	
MW - 19	11/14/17	0.209	<0.00200	0.0283	0.0107	
MW - 19	02/08/18	0.213	0.0168	0.0303	0.0519	
MW - 19	05/22/18	0.191	<0.0100	0.0254	0.0244	
MW - 19	08/08/18	0.184	<0.0100	0.0202	0.0199	
MW - 19	11/13/18	0.197	<0.0100	0.0277	0.0478	
MW - 19	02/12/19	0.128	0.00152	0.0176	0.01129	
MW - 19	05/08/19	0.157	<0.00100	0.0202	0.02512	
MW - 19	08/08/19	0.154	0.00445	0.0282	0.0708	
MW - 19	11/13/19	0.0923	0.00204	0.0222	0.0389	
MW - 19	03/05/20	0.185	0.0290	0.0584	0.233	
MW - 19	06/18/20	0.158	0.0310	0.0569	0.1725	
MW - 19	08/12/20	Not Sampled Due to PSH in Well				
MW - 19	12/10/20	0.208	0.0578	0.240	0.1428	
MW - 19	02/11/21	0.133	0.0311	0.0492	0.0544	
MW - 19	06/11/21	0.207	0.0211	0.0298	0.0903	
MW - 19	09/23/21	0.184	0.0237	0.0297	0.1047	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 19	12/07/21	0.178	0.00177	0.00451	<0.00200	
MW - 19	03/15/22	0.195	0.00156	0.00811	0.0112	
MW - 19	05/11/22	0.178	0.00297	0.00862	0.0151	
MW - 19	08/17/22	0.122	0.00140	0.00211	<0.00200	
MW - 19	11/10/22	0.150	<0.00100	0.00613	0.00206	
MW - 20	06/20/02	0.1340	<0.001	0.0170	<0.001	0.006
MW - 20	09/26/02	0.6150	<0.001	0.1720	0.0020	<0.001
MW - 20	11/12/02	0.5020	<0.001	0.1360	0.0030	<0.001
MW - 20	02/12/03	0.4710	<0.001	0.1650	<0.001	<0.001
MW - 20	05/14/03	0.4100	<0.001	0.1280	<0.001	0.003
MW - 20	08/21/03	0.2950	<0.001	0.1340	0.0070	<0.001
MW - 20	12/10/03	0.0610	<0.001	0.0620	<0.002	<0.001
MW - 20	02/11/04	0.4590	<0.001	0.1590	0.0040	<0.001
MW - 20	05/11/04	0.3020	<0.001	0.1270	<0.002	<0.001
MW - 20	08/25/04	1.9600	<0.001	0.1440	0.0042	0.001
MW - 20	12/03/04	0.2570	<0.005	0.0760	<0.005	
MW - 20	03/08/05	<0.1	<0.1	<0.1	<0.1	
MW - 20	06/08/05	0.1560	<0.05	<0.05	<0.05	
MW - 20	09/16/05	0.0488	<0.001	0.0250	<0.001	
MW - 20	12/12/05	0.0615	<0.01	0.0293	<0.01	
MW - 20	03/16/06	0.1000	<0.005	0.0232	<0.005	
MW - 20	06/15/06	0.0808	<0.02	0.0343	<0.02	
MW - 20	09/30/06	<0.001	<0.001	0.0056	0.0109	
MW - 20	12/01/06	0.2920	<0.01	0.1240	<0.01	
MW - 20	02/27/07	<0.02	<0.02	0.0745	<0.02	
MW - 20	05/22/07	0.0284	<0.005	<0.005	<0.005	
MW - 20	08/15/07	0.3540	<0.1	<0.1	<0.1	
MW - 20	11/06/07	0.1690	<0.02	<0.02	<0.02	
MW - 20	02/12/08	0.2010	<0.005	0.0204	<0.005	
MW - 20	05/13/08	0.4700	<0.005	0.0251	<0.005	
MW - 20	08/14/08	0.5350	<0.005	<0.005	<0.005	
MW - 20	11/12/08	0.3060	<0.005	0.0177	<0.005	
MW - 20	02/10/09	0.2000	<0.005	0.0194	<0.005	
MW - 20	05/12/09	0.1240	<0.005	0.0332	<0.005	
MW - 20	08/10/09	0.1490	<0.001	<0.001	<0.001	
MW - 20	11/18/09	0.0758	<0.001	<0.001	<0.001	
MW - 20	02/09/10	0.0952	<0.001	<0.001	0.0039	
MW - 20	05/13/10	0.0508	<0.001	0.0023	0.0093	
MW - 20	08/11/10	<0.0100	<0.0100	<0.0100	<0.0100	



TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 20	11/11/10	<0.0500	<0.0500	<0.0500	<0.0500	
MW - 20	02/16/11	0.1030	<0.001	<0.001	0.0186	
MW - 20	05/19/11	<b>0.0512</b>	<0.001	<0.001	0.0158	
MW - 20	08/10/11	<b>0.0298</b>	<0.001	<0.001	0.0120	
MW - 20	11/16/11	<b>0.0728</b>	<0.001	<0.001	<0.001	
MW - 20	02/29/12	<b>0.0235</b>	<0.001	<0.001	0.0246	
MW - 20	05/02/12	<b>0.0245</b>	<0.001	<0.001	<0.001	
MW - 20	08/10/12	Not Sampled due to Site Excavation				
MW - 20	12/06/12	<b>0.0136</b>	<0.001	<0.001	<0.001	
MW - 20	02/13/13	<0.0100	<0.0100	<0.0100	<0.0100	
MW - 20	05/22/13	0.0072	<0.001	<0.001	<0.001	
MW - 20	08/13/13	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 20	11/21/13	0.00790	<0.00500	<0.00500	<0.0150	
MW - 20	02/04/14	<b>0.01270</b>	<0.00100	<0.00100	<0.00300	
MW - 20	05/14/14	<b>0.0123</b>	<0.00100	<0.00100	<0.00300	
MW - 20	08/05/14	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 20	11/20/14	0.0042	<0.00100	<0.00100	<0.00100	
MW - 20	02/09/15	0.00400	<0.00100	0.00140	0.00120	
MW - 20	05/27/15	<0.0200	<0.0200	<0.0200	0.0265	
MW - 20	08/03/15	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 20	11/18/15	0.00220	<0.00100	<0.00100	0.00370	
MW - 20	02/24/16	0.00140	<0.00100	0.00150	<0.00100	
MW - 20	06/07/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 20	08/02/16	<0.0100	<0.0100	<0.0100	<0.0100	
MW - 20	11/08/16	<0.0100	<0.0100	<0.0100	<0.0100	
MW - 20	03/01/17	0.00553	<0.00200	<0.00200	<0.00200	
MW - 20	05/23/17	<b>0.0128</b>	<0.00200	<0.00200	<0.00400	
MW - 20	08/17/17	<b>0.0177</b>	<0.00200	<0.00200	<0.00400	
MW - 20	11/14/17	0.00410	0.00301	<0.00200	<0.00400	
MW - 20	02/08/18	<b>0.0134</b>	<0.00200	<0.00200	0.00887	
MW - 20	05/21/18	0.00150	<0.0100	0.0150	<0.0200	
MW - 20	08/08/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 20	11/12/18	0.00221	<0.0100	<0.00500	<0.0200	
MW - 20	02/13/19	<0.00100	<0.00100	0.00521	0.00424	
MW - 20	05/08/19	<0.00100	<0.00100	0.00872	0.0105	
MW - 20	08/07/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 20	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 20	03/04/20	<0.00100	<0.00100	0.00507	0.00211	
MW - 20	06/18/20	<0.00100	<0.00500	<0.00500	<0.00500	
MW - 20	08/13/20	<0.00100	0.00102	<0.00100	<0.00200	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 20	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 20	02/11/21	<0.00100	0.00149	<0.00100	<0.00200	
MW - 20	06/10/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 20	09/23/21	<0.00100	<0.00100	<0.00100	0.00345	
MW - 20	12/06/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 20	03/16/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 20	05/11/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 20	08/18/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 20	11/10/22	<0.00100	<0.00100	<0.00100	0.00542	
MW - 21	06/20/02	<b>0.0370</b>	<0.001	0.0010	<0.001	0.002
MW - 21	09/26/02	<b>0.1560</b>	<0.001	0.0540	<0.001	<0.001
MW - 21	11/12/02	<b>0.0820</b>	<0.001	0.0650	0.0030	<0.001
MW - 21	02/12/03	<b>0.0780</b>	<0.001	0.0720	0.0030	<0.001
MW - 21	05/14/03	<b>0.0860</b>	<0.001	0.0720	0.0040	<0.001
MW - 21	08/21/03	<b>0.1040</b>	<0.001	0.0740	0.0040	<0.001
MW - 21	12/10/03	<b>0.0880</b>	<0.001	0.0380	<0.002	<0.001
MW - 21	02/11/04	<b>0.0720</b>	<0.001	0.0410	<0.002	<0.001
MW - 21	05/11/04	<b>0.0845</b>	<0.001	0.0449	<0.002	<0.001
MW - 21	08/25/04	<b>0.1080</b>	<0.001	0.0214	<0.002	<0.001
MW - 21	12/02/04	<b>0.0533</b>	<0.005	<0.005	0.0070	
MW - 21	03/08/05	<0.1	<0.1	<0.1	<0.1	
MW - 21	06/08/05	<b>0.0105</b>	<0.01	<0.01	<0.01	
MW - 21	09/15/05	<b>0.0186</b>	<0.001	<0.001	<0.001	
MW - 21	12/12/05	0.0082	<0.001	<0.001	0.0059	
MW - 21	03/16/06	Not Sampled				
MW - 21	06/15/06	<0.02	<0.02	<0.02	<0.02	
MW - 21	09/30/06	0.0059	<0.005	<0.005	0.0107	
MW - 21	12/01/06	<b>0.3280</b>	<0.01	0.1130	<0.01	
MW - 21	02/27/07	<0.02	<0.02	<0.02	<0.02	
MW - 21	05/22/07	<0.005	<0.005	<0.005	<0.005	
MW - 21	08/15/07	<0.01	<0.01	<0.01	<0.01	
MW - 21	11/06/07	<0.001	<0.001	<0.001	0.0014	
MW - 21	02/12/08	0.0017	<0.001	0.0022	0.0010	
MW - 21	05/13/08	0.0024	<0.001	0.0017	<0.001	
MW - 21	08/14/08	0.0038	<0.001	0.0040	0.0072	
MW - 21	11/12/08	0.0054	<0.001	<0.001	0.0073	
MW - 21	02/10/09	<0.005	<0.005	<0.005	<0.005	
MW - 21	05/12/09	<0.001	<0.001	<0.001	0.0134	
MW - 21	08/10/09	0.0073	<0.001	<0.001	0.0077	

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>
MW - 21	11/18/09	0.0068	<0.001	0.0019	<0.001
MW - 21	02/09/10	0.0097	<0.001	<0.001	0.0035
MW - 21	05/13/10	0.0054	<0.001	<0.001	0.0113
MW - 21	08/11/10	<0.001	<0.001	<0.001	<0.001
MW - 21	11/11/10	<0.0500	<0.0500	<0.0500	<0.0500
MW - 21	02/16/11	<0.001	<0.001	<0.001	0.0216
MW - 21	05/19/11	<b>0.0184</b>	<0.001	<0.001	0.0156
MW - 21	08/10/11	0.0071	<0.001	<0.001	<0.001
MW - 21	11/16/11	0.0040	<0.001	<0.001	<0.001
MW - 21	02/29/12	<b>0.0146</b>	<0.001	<0.001	<0.001
MW - 21	05/02/12	<b>0.0148</b>	<0.001	<0.001	<0.001
MW - 21	08/10/12	Not Sampled due to Site Excavation			
MW - 21	12/06/12	<0.005	<0.005	<0.005	<0.005
MW - 21	02/13/13	<0.005	<0.005	<0.005	<0.005
MW - 21	05/22/13	0.0072	<0.00100	<0.00100	0.0116
MW - 21	08/13/13	<0.00100	<0.00100	<0.00100	<0.00100
MW - 21	11/21/13	0.00650	<0.00500	<0.00500	<0.0150
MW - 21	02/04/14	0.00570	<0.00100	<0.00100	<0.00300
MW - 21	05/14/14	0.00180	<0.00100	<0.00100	<0.00300
MW - 21	08/05/14	<0.0100	<0.0100	<0.0100	<0.0100
MW - 21	11/20/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 21	02/09/15	0.00110	<0.00100	<0.00100	<0.00100
MW - 21	05/27/15	<0.0200	<0.0200	<0.0200	<0.0200
MW - 21	08/03/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 21	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 21	02/24/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 21	06/07/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 21	08/02/16	<0.0100	<0.0100	<0.0100	<0.0100
MW - 21	11/08/16	<0.00500	<0.00500	<0.00500	<0.00500
MW - 21	03/01/17	<0.00200	<0.00200	<0.00200	<0.00200
MW - 21	05/23/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 21	08/17/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 21	11/14/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 21	02/08/18	<0.00200	<0.00200	<0.00200	<0.00400
MW - 21	05/21/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 21	08/08/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 21	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 21	02/12/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 21	05/08/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 21	08/07/19	<0.00100	<0.00100	<0.00100	<0.00200

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 21	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 21	03/04/20	<0.00100	<0.00100	0.00117	0.00119	
MW - 21	06/17/20	Not Sampled on Current Sample Schedule				
MW - 21	08/12/20	Not Sampled on Current Sample Schedule				
MW - 21	12/09/20	Not Sampled on Current Sample Schedule				
MW - 21	02/10/21	Not Sampled on Current Sample Schedule				
MW - 21	06/10/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 21	09/23/21	Not Sampled on Current Sample Schedule				
MW - 21	12/06/21	Not Sampled on Current Sample Schedule				
MW - 21	03/16/22	Not Sampled on Current Sample Schedule				
MW - 21	05/09/22	Not Sampled on Current Sample Schedule				
MW - 21	08/18/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 21	11/09/22	Not Sampled on Current Sample Schedule				
MW - 22	06/20/02	<0.001	0.002	<0.001	<0.001	<0.001
MW - 22	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 22	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 22	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 22	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 22	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 22	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 22	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 22	12/03/04	<0.001	<0.001	<0.001	<0.001	
MW - 22	03/08/05	Not Sampled on Current Sample Schedule				
MW - 22	06/08/05	<0.005	<0.005	<0.005	<0.005	
MW - 22	09/15/05	Not Sampled on Current Sample Schedule				
MW - 22	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 22	03/16/06	Not Sampled on Current Sample Schedule				
MW - 22	06/15/06	0.0010	<0.001	<0.001	0.0011	
MW - 22	09/30/06	Not Sampled on Current Sample Schedule				
MW - 22	12/01/06	<b>0.3120</b>	<0.01	0.0793	<0.01	
MW - 22	02/27/07	<0.005	<0.005	<0.005	<0.005	
MW - 22	05/22/07	<0.005	<0.005	<0.005	<0.005	
MW - 22	08/15/07	Not Sampled on Current Sample Schedule				
MW - 22	11/06/07	0.0029	<0.001	0.0017	0.0046	
MW - 22	02/12/08	Not Sampled on Current Sample Schedule				
MW - 22	05/13/08	<0.001	<0.001	<0.001	<0.001	
MW - 22	08/14/08	Not Sampled on Current Sample Schedule				
MW - 22	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 22	02/10/09	Not Sampled on Current Sample Schedule				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 22	05/12/09	<0.001	<0.001	<0.001	<0.001	
MW - 22	08/10/09	Not Sampled on Current Sample Schedule				
MW - 22	11/17/09	<0.001	<0.001	<0.001	0.0012	
MW - 22	02/09/10	Not Sampled on Current Sample Schedule				
MW - 22	05/13/10	<0.001	<0.001	<0.001	0.0057	
MW - 22	08/11/10	Not Sampled on Current Sample Schedule				
MW - 22	11/11/10	<0.0200	<0.0200	<0.0200	<0.0200	
MW - 22	02/16/11	Not Sampled on Current Sample Schedule				
MW - 22	05/19/11	<0.001	<0.001	<0.001	0.0154	
MW - 22	08/10/11	Not Sampled on Current Sample Schedule				
MW - 22	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 22	02/29/12	Not Sampled on Current Sample Schedule				
MW - 22	05/02/12	<0.001	<0.001	<0.001	<0.001	
MW - 22	08/10/12	Not Sampled due to Site Excavation				
MW - 22	12/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 22	02/13/13	Not Sampled on Current Sample Schedule				
MW - 22	05/22/13	<0.001	<0.001	<0.001	<0.001	
MW - 22	08/13/13	Not Sampled on Current Sample Schedule				
MW - 22	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 22	02/04/14	Not Sampled on Current Sample Schedule				
MW - 22	05/14/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 22	08/05/14	Not Sampled on Current Sample Schedule				
MW - 22	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 22	02/09/15	Not Sampled on Current Sample Schedule				
MW - 22	05/27/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 22	08/03/15	Not Sampled on Current Sample Schedule				
MW - 22	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 22	02/24/16	Not Sampled on Current Sample Schedule				
MW - 22	06/07/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 22	08/02/16	Not Sampled on Current Sample Schedule				
MW - 22	11/08/16	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 22	03/01/17	Not Sampled on Current Sample Schedule				
MW - 22	05/23/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 22	08/17/17	Not Sampled on Current Sample Schedule				
MW - 22	11/14/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 22	02/08/18	Not Sampled on Current Sample Schedule				
MW - 22	05/21/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 22	08/08/18	Not Sampled on Current Sample Schedule				
MW - 22	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 22	02/12/19	Not Sampled on Current Sample Schedule				

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 22	05/07/19	<0.00100	<0.00100	<0.00100	0.00212	
MW - 22	08/07/19	Not Sampled on Current Sample Schedule				
MW - 22	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 22	03/04/20	Not Sampled on Current Sample Schedule				
MW - 22	06/17/20	P&A				
MW - 22	08/12/20	P&A				
MW - 22	12/09/20	P&A				
MW - 23	06/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 23	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 23	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 23	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 23	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 23	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 23	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 23	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 23	12/03/04	<0.001	<0.001	<0.001	<0.001	
MW - 23	03/08/05	Not Sampled on Current Sample Schedule				
MW - 23	06/08/05	<0.001	<0.001	<0.001	<0.001	
MW - 23	09/15/05	Not Sampled on Current Sample Schedule				
MW - 23	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 23	03/16/06	Not Sampled on Current Sample Schedule				
MW - 23	06/15/06	<0.001	<0.001	<0.001	<0.001	
MW - 23	09/30/06	<0.001	<0.001	0.0121	0.0118	
MW - 23	12/01/06	<b>0.0236</b>	<0.01	0.0745	<0.01	
MW - 23	02/27/07	<0.005	<0.005	<0.005	<0.005	
MW - 23	05/22/07	<0.005	<0.005	<0.005	<0.005	
MW - 23	08/15/07	Not Sampled on Current Sample Schedule				
MW - 23	11/06/07	<0.001	<0.001	<0.001	<0.001	
MW - 23	02/12/08	Not Sampled on Current Sample Schedule				
MW - 23	05/13/08	<0.001	<0.001	<0.001	<0.001	
MW - 23	08/14/08	Not Sampled on Current Sample Schedule				
MW - 23	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 23	02/10/09	Not Sampled on Current Sample Schedule				
MW - 23	05/12/09	<0.001	<0.001	<0.001	<0.001	
MW - 23	08/10/09	Not Sampled on Current Sample Schedule				
MW - 23	11/17/09	<0.001	<0.001	<0.001	<0.001	
MW - 23	02/09/10	Not Sampled on Current Sample Schedule				
MW - 23	05/13/10	<0.001	<0.001	<0.001	<0.001	
MW - 23	08/11/10	Not Sampled on Current Sample Schedule				

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 23	11/11/10	<0.0200	<0.0200	<0.0200	<0.0200	
MW - 23	02/16/11	Not Sampled on Current Sample Schedule				
MW - 23	05/19/11	<0.001	<0.001	<0.001	<0.001	
MW - 23	08/10/12	Not Sampled on Current Sample Schedule				
MW - 23	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 23	02/29/12	Not Sampled on Current Sample Schedule				
MW - 23	05/02/12	<0.001	<0.001	<0.001	<0.001	
MW - 23	08/10/12	Not Sampled due to Site Excavation				
MW - 23	12/07/12	<0.001	<0.001	<0.001	<0.001	
MW - 23	02/13/13	Not Sampled on Current Sample Schedule				
MW - 23	05/22/13	<0.001	<0.001	<0.001	<0.001	
MW - 23	08/13/13	Not Sampled on Current Sample Schedule				
MW - 23	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 23	02/04/14	Not Sampled on Current Sample Schedule				
MW - 23	05/14/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 23	08/05/14	Not Sampled on Current Sample Schedule				
MW - 23	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 23	02/09/15	Not Sampled on Current Sample Schedule				
MW - 23	05/27/15	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 23	08/03/15	Not Sampled on Current Sample Schedule				
MW - 23	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 23	02/24/16	Not Sampled on Current Sample Schedule				
MW - 23	06/07/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 23	08/02/16	Not Sampled on Current Sample Schedule				
MW - 23	11/08/16	<0.0100	<0.0100	<0.0100	<0.0100	
MW - 23	03/01/17	Not Sampled on Current Sample Schedule				
MW - 23	05/23/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 23	08/17/17	Not Sampled on Current Sample Schedule				
MW - 23	11/14/17	0.00294	<0.00200	<0.00200	<0.00400	
MW - 23	02/08/18	Not Sampled on Current Sample Schedule				
MW - 23	05/21/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 23	08/08/18	Not Sampled on Current Sample Schedule				
MW - 23	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 23	02/12/19	Not Sampled on Current Sample Schedule				
MW - 23	05/07/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 23	08/07/19	Not Sampled on Current Sample Schedule				
MW - 23	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 23	03/04/20	Not Sampled on Current Sample Schedule				
MW - 23	06/17/20	<0.00100	<0.00500	<0.00500	<0.00500	
MW - 23	08/12/20	Not Sampled on Current Sample Schedule				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 23	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 23	02/10/21	Not Sampled on Current Sample Schedule				
MW - 23	06/10/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 23	09/23/21	Not Sampled on Current Sample Schedule				
MW - 23	12/06/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 23	03/16/22	Not Sampled on Current Sample Schedule				
MW - 23	05/11/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 23	08/16/22	Not Sampled on Current Sample Schedule				
MW - 23	11/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 24	06/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 24	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 24	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 24	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 24	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 24	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 24	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 24	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 24	12/03/04	<0.001	<0.001	<0.001	<0.001	
MW - 24	03/08/05	Not Sampled on Current Sample Schedule				
MW - 24	06/08/05	<0.001	<0.001	<0.001	<0.001	
MW - 24	09/15/05	Not Sampled on Current Sample Schedule				
MW - 24	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 24	03/16/06	Not Sampled on Current Sample Schedule				
MW - 24	06/15/06	Not Sampled on Current Sample Schedule				
MW - 24	09/30/06	Not Sampled on Current Sample Schedule				
MW - 24	12/01/06	<0.01	<0.01	<0.01	<0.01	
MW - 24	02/27/07	Not Sampled on Current Sample Schedule				
MW - 24	05/22/07	Not Sampled on Current Sample Schedule				
MW - 24	08/15/07	Not Sampled on Current Sample Schedule				
MW - 24	11/06/07	<0.001	<0.001	<0.001	<0.001	
MW - 24	02/12/08	Not Sampled on Current Sample Schedule				
MW - 24	05/13/08	Not Sampled on Current Sample Schedule				
MW - 24	08/14/08	Not Sampled on Current Sample Schedule				
MW - 24	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 24	02/10/09	Not Sampled on Current Sample Schedule				
MW - 24	05/12/09	Not Sampled on Current Sample Schedule				
MW - 24	08/10/09	Not Sampled on Current Sample Schedule				
MW - 24	11/17/09	<0.001	<0.001	<0.001	<0.001	
MW - 24	02/09/10	Not Sampled on Current Sample Schedule				



TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 24	05/13/10	Not Sampled on Current Sample Schedule				
MW - 24	08/11/10	Not Sampled on Current Sample Schedule				
MW - 24	11/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 24	02/16/11	Not Sampled on Current Sample Schedule				
MW - 24	05/19/11	Not Sampled on Current Sample Schedule				
MW - 24	08/10/11	Not Sampled on Current Sample Schedule				
MW - 24	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 24	02/29/12	Not Sampled on Current Sample Schedule				
MW - 24	05/02/12	Not Sampled on Current Sample Schedule				
MW - 24	08/10/12	Not Sampled due to Site Excavation				
MW - 24	12/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 24	02/13/13	Not Sampled on Current Sample Schedule				
MW - 24	05/22/13	Not Sampled on Current Sample Schedule				
MW - 24	08/13/13	Not Sampled on Current Sample Schedule				
MW - 24	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 24	02/04/14	Not Sampled on Current Sample Schedule				
MW - 24	05/14/14	Not Sampled on Current Sample Schedule				
MW - 24	08/05/14	Not Sampled on Current Sample Schedule				
MW - 24	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 24	02/09/15	Not Sampled on Current Sample Schedule				
MW - 24	05/27/15	Not Sampled on Current Sample Schedule				
MW - 24	08/03/15	Not Sampled on Current Sample Schedule				
MW - 24	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 24	02/24/16	Not Sampled on Current Sample Schedule				
MW - 24	06/07/16	Not Sampled on Current Sample Schedule				
MW - 24	08/02/16	Not Sampled on Current Sample Schedule				
MW - 24	11/08/16	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 24	03/01/17	Not Sampled on Current Sample Schedule				
MW - 24	05/23/17	Not Sampled on Current Sample Schedule				
MW - 24	08/17/17	Not Sampled on Current Sample Schedule				
MW - 24	11/14/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 24	02/08/18	Not Sampled on Current Sample Schedule				
MW - 24	05/21/18	Not Sampled on Current Sample Schedule				
MW - 24	08/08/18	Not Sampled on Current Sample Schedule				
MW - 24	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 24	02/12/19	Not Sampled on Current Sample Schedule				
MW - 24	05/07/19	Not Sampled on Current Sample Schedule				
MW - 24	08/07/19	Not Sampled on Current Sample Schedule				
MW - 24	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 24	03/04/20	Not Sampled on Current Sample Schedule				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 24	06/17/20	P&A				
MW - 24	08/12/20	P&A				
MW - 24	12/09/20	P&A				
MW - 25	06/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 25	09/26/02	<0.01	<0.01	<0.01	<0.01	
MW - 25	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 25	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 25	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 25	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 25	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 25	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 25	12/03/04	<0.001	<0.001	<0.001	<0.001	
MW - 25	03/08/05	Not Sampled on Current Sample Schedule				
MW - 25	06/08/05	<0.001	<0.001	<0.001	<0.001	
MW - 25	09/15/05	Not Sampled on Current Sample Schedule				
MW - 25	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 25	03/16/06	Not Sampled on Current Sample Schedule				
MW - 25	06/15/06	<0.001	<0.001	<0.001	<0.001	
MW - 25	09/30/06	Not Sampled on Current Sample Schedule				
MW - 25	12/01/06	<0.005	<0.005	<0.005	<0.005	
MW - 25	02/27/07	Not Sampled on Current Sample Schedule				
MW - 25	05/22/07	<0.005	<0.005	<0.005	<0.005	
MW - 25	08/15/07	Not Sampled on Current Sample Schedule				
MW - 25	11/06/07	<0.001	<0.001	<0.001	<0.001	
MW - 25	02/12/08	Not Sampled on Current Sample Schedule				
MW - 25	05/13/08	<0.001	<0.001	<0.001	<0.001	
MW - 25	08/14/08	Not Sampled on Current Sample Schedule				
MW - 25	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 25	02/10/09	Not Sampled on Current Sample Schedule				
MW - 25	05/12/09	<0.001	<0.001	<0.001	<0.001	
MW - 25	08/10/09	Not Sampled on Current Sample Schedule				
MW - 25	11/17/09	<0.001	<0.001	<0.001	<0.001	
MW - 25	02/09/10	Not Sampled on Current Sample Schedule				
MW - 25	05/13/10	<0.001	<0.001	<0.001	<0.001	
MW - 25	08/11/10	Not Sampled on Current Sample Schedule				
MW - 25	11/11/10	<0.005	<0.005	<0.005	<0.005	
MW - 25	02/16/11	Not Sampled on Current Sample Schedule				
MW - 25	05/19/11	<0.001	<0.001	<0.001	<0.001	
MW - 25	08/10/11	Not Sampled on Current Sample Schedule				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>
MW - 25	11/16/11	<0.001	<0.001	<0.001	<0.001
MW - 25	02/29/12	Not Sampled on Current Sample Schedule			
MW - 25	05/02/12	<0.001	<0.001	<0.001	<0.001
MW - 25	08/10/12	Not Sampled due to Site Excavation			
MW - 25	12/07/12	<0.001	<0.001	<0.001	<0.001
MW - 25	02/13/13	Not Sampled on Current Sample Schedule			
MW - 25	05/22/13	<0.001	<0.001	<0.001	<0.001
MW - 25	08/13/13	Not Sampled on Current Sample Schedule			
MW - 25	11/21/13	<0.001	<0.001	<0.001	<0.00300
MW - 25	02/04/14	Not Sampled on Current Sample Schedule			
MW - 25	05/14/14	<0.00100	<0.00100	<0.00100	<0.00300
MW - 25	08/05/14	Not Sampled on Current Sample Schedule			
MW - 25	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100
MW - 25	02/09/15	Not Sampled on Current Sample Schedule			
MW - 25	05/27/15	<0.00500	<0.00500	<0.00500	<0.00500
MW - 25	08/03/15	Not Sampled on Current Sample Schedule			
MW - 25	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100
MW - 25	02/24/16	Not Sampled on Current Sample Schedule			
MW - 25	06/07/16	<0.00100	<0.00100	<0.00100	<0.00100
MW - 25	08/02/16	Not Sampled on Current Sample Schedule			
MW - 25	11/08/16	<0.00500	<0.00500	<0.00500	<0.00500
MW - 25	03/01/17	Not Sampled on Current Sample Schedule			
MW - 25	05/23/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 25	08/17/17	Not Sampled on Current Sample Schedule			
MW - 25	11/14/17	<0.00200	<0.00200	<0.00200	<0.00400
MW - 25	02/08/18	Not Sampled on Current Sample Schedule			
MW - 25	05/21/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 25	08/08/18	Not Sampled on Current Sample Schedule			
MW - 25	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200
MW - 25	02/12/19	Not Sampled on Current Sample Schedule			
MW - 25	05/07/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 25	08/07/19	Not Sampled on Current Sample Schedule			
MW - 25	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200
MW - 25	03/04/20	Not Sampled on Current Sample Schedule			
MW - 25	06/17/20	<0.00100	<0.00500	<0.00500	<0.00500
MW - 25	08/12/20	Not Sampled on Current Sample Schedule			
MW - 25	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200
MW - 25	02/10/21	Not Sampled on Current Sample Schedule			
MW - 25	06/10/21	<0.00100	<0.00100	<0.00100	<0.00200
MW - 25	09/23/21	Not Sampled on Current Sample Schedule			

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 25	12/07/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 25	03/15/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 25	05/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 25	08/17/22	0.00120	0.00207	<0.00100	<0.00200	
MW - 25	11/09/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 26	06/20/02	<b>0.0650</b>	<0.001	0.0100	<0.001	0.004
MW - 26	09/26/02	<b>0.1410</b>	<0.001	0.0260	<0.001	<0.001
MW - 26	11/12/02	<b>0.0850</b>	<0.001	0.0220	<0.001	<0.001
MW - 26	02/12/03	<b>0.0340</b>	<0.001	0.0170	<0.001	<0.001
MW - 26	05/14/03	<b>0.0550</b>	<0.001	0.0200	0.0010	<0.001
MW - 26	08/21/03	<b>0.0420</b>	<0.001	0.0240	<0.001	<0.001
MW - 26	12/10/03	<b>0.0400</b>	<0.001	0.0140	<0.002	<0.001
MW - 26	02/11/04	<b>0.0970</b>	<0.001	0.0230	<0.002	<0.001
MW - 26	05/11/04	<b>0.0493</b>	<0.001	0.0124	<0.002	<0.001
MW - 26	08/25/04	<b>0.0119</b>	<0.001	0.0024	<0.002	<0.001
MW - 26	12/03/04	<b>0.0322</b>	<0.001	0.0137	0.0071	
MW - 26	03/08/05	<0.05	<0.05	<0.05	<0.05	
MW - 26	06/08/05	<0.005	<0.005	<0.005	<0.005	
MW - 26	09/15/05	0.0048	<0.001	0.0055	<0.001	
MW - 26	12/12/05	0.0038	<0.001	0.0034	<0.001	
MW - 26	03/16/06	Not Sampled				
MW - 26	06/15/06	0.0061	<0.001	0.0032	0.0070	
MW - 26	09/30/06	<0.001	<0.001	0.0083	0.0130	
MW - 26	12/01/06	<b>0.3240</b>	<0.001	0.1190	<0.001	
MW - 26	02/27/07	<0.02	<0.02	<0.02	<0.02	
MW - 26	05/22/07	<0.005	<0.005	<0.005	<0.005	
MW - 26	08/15/07	<0.1	<0.1	<0.1	<0.1	
MW - 26	11/06/07	0.0020	<0.001	0.0011	0.0082	
MW - 26	02/12/08	0.0047	<0.001	0.0067	0.0082	
MW - 26	05/13/08	0.0063	<0.001	0.0020	<0.001	
MW - 26	08/14/08	0.0050	<0.001	0.0022	0.0065	
MW - 26	11/12/08	0.0071	<0.001	<0.001	0.0050	
MW - 26	02/10/09	Not Sampled				
MW - 26	05/12/09	0.0073	<0.001	0.0060	<0.001	
MW - 26	08/10/09	0.0078	<0.001	0.0045	0.0940	
MW - 26	11/18/09	0.0022	<0.001	<0.001	<0.001	
MW - 26	02/09/10	0.0044	<0.001	<0.001	0.0040	
MW - 26	05/13/10	0.0049	<0.001	0.0022	0.0110	
MW - 26	08/11/10	<0.001	<0.001	<0.001	<0.001	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 26	11/11/10	<0.005	<0.005	<0.005	<0.005	
MW - 26	02/16/11	0.0084	<0.001	<0.001	0.0254	
MW - 26	05/19/11	<b>0.0114</b>	<0.001	<0.001	0.0158	
MW - 26	08/10/11	0.0050	<0.001	<0.001	<0.001	
MW - 26	11/16/11	0.0025	<0.001	<0.001	<0.001	
MW - 26	02/29/12	0.0086	<0.001	<0.001	<0.001	
MW - 26	05/02/12	0.0051	<0.001	<0.001	<0.001	
MW - 26	08/10/12	Not Sampled due to Site Excavation				
MW - 26	12/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 26	02/13/13	<0.001	<0.001	<0.001	<0.001	
MW - 26	05/22/13	<0.001	<0.001	<0.001	<0.001	
MW - 26	08/13/13	<0.0100	<0.0100	<0.0100	<0.0100	
MW - 26	11/21/13	0.00190	<0.00100	<0.00100	0.00310	
MW - 26	02/04/14	0.00280	<0.00100	<0.00100	0.00720	
MW - 26	05/14/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 26	08/05/14	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 26	11/20/14	0.00430	<0.00100	<0.00100	<0.00100	
MW - 26	02/09/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 26	05/27/15	<0.0200	<0.0200	<0.0200	<0.0200	
MW - 26	08/03/15	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 26	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 26	02/24/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 26	06/07/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 26	08/02/16	<0.0100	<0.0100	<0.0100	<0.0100	
MW - 26	11/08/16	<0.0100	<0.0100	<0.0100	<0.0100	
MW - 26	03/01/17	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 26	05/23/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 26	08/17/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 26	11/14/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 26	02/08/18	<0.00200	<0.00200	<0.00200	<0.00200	
MW - 26	05/21/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 26	08/08/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 26	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 26	02/12/19	<0.00100	<0.00100	0.00167	0.00205	
MW - 26	05/08/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 26	08/07/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 26	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 26	03/04/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 26	06/17/20	Not Sampled on Current Sample Schedule				
MW - 26	08/12/20	Not Sampled on Current Sample Schedule				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 26	12/09/20	Not Sampled on Current Sample Schedule				
MW - 26	02/10/21	Not Sampled on Current Sample Schedule				
MW - 26	06/10/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 26	09/23/21	Not Sampled on Current Sample Schedule				
MW - 26	12/06/21	Not Sampled on Current Sample Schedule				
MW - 26	03/16/22	Not Sampled on Current Sample Schedule				
MW - 26	05/09/22	Not Sampled on Current Sample Schedule				
MW - 26	08/18/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 26	11/09/22	Not Sampled on Current Sample Schedule				
MW - 27	06/20/02	0.0020	<0.001	0.0040	<0.001	<0.001
MW - 27	09/26/02	0.0010	<0.001	0.0050	<0.001	<0.001
MW - 27	11/12/02	0.0020	<0.001	0.0070	<0.001	<0.001
MW - 27	02/12/03	0.0020	<0.001	0.0060	<0.001	<0.001
MW - 27	05/14/03	0.0010	<0.001	0.0080	<0.001	<0.001
MW - 27	08/21/03	0.0020	<0.001	0.0100	0.0010	<0.001
MW - 27	12/10/03	0.0030	<0.001	0.0070	<0.002	<0.001
MW - 27	02/11/04	0.0019	<0.001	0.0074	<0.002	<0.001
MW - 27	12/03/04	<0.001	<0.001	0.0021	0.0030	
MW - 27	03/08/05	Not Sampled on Current Sample Schedule				
MW - 27	06/08/05	0.0010	<0.001	0.0031	0.0017	
MW - 27	09/15/05	Not Sampled on Current Sample Schedule				
MW - 27	12/12/05	<0.001	<0.001	0.0037	<0.001	
MW - 27	03/16/06	Not Sampled on Current Sample Schedule				
MW - 27	06/15/06	<0.001	<0.001	0.0010	<0.001	
MW - 27	09/30/06	Not Sampled on Current Sample Schedule				
MW - 27	12/01/06	<0.01	<0.01	<0.01	<0.01	
MW - 27	02/27/07	Not Sampled on Current Sample Schedule				
MW - 27	05/22/07	<0.005	<0.005	<0.005	<0.005	
MW - 27	08/15/07	Not Sampled on Current Sample Schedule				
MW - 27	11/06/07	<0.001	<0.001	<0.001	0.0022	
MW - 27	02/12/08	Not Sampled on Current Sample Schedule				
MW - 27	05/13/08	0.0011	<0.001	<0.001	<0.001	
MW - 27	08/14/08	Not Sampled on Current Sample Schedule				
MW - 27	11/12/08	0.0011	<0.001	<0.001	<0.001	
MW - 27	02/10/09	<0.005	<0.005	<0.005	<0.005	
MW - 27	05/12/09	<0.001	<0.001	<0.001	<0.001	
MW - 27	08/10/09	Not Sampled on Current Sample Schedule				
MW - 27	11/17/09	<0.001	<0.001	<0.001	<0.001	
MW - 27	02/09/10	Not Sampled on Current Sample Schedule				

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 27	05/13/10	<0.001	<0.001	<0.001	<0.001	
MW - 27	08/11/10	Not Sampled on Current Sample Schedule				
MW - 27	11/11/10	<0.0100	<0.0100	<0.0100	<0.0100	
MW - 27	02/16/11	Not Sampled on Current Sample Schedule				
MW - 27	05/19/11	<0.001	<0.001	<0.001	<0.0100	
MW - 27	08/10/11	Not Sampled on Current Sample Schedule				
MW - 27	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 27	02/29/12	Not Sampled on Current Sample Schedule				
MW - 27	05/02/12	<0.001	<0.001	<0.001	<0.001	
MW - 27	08/10/12	Not Sampled due to Site Excavation				
MW - 27	12/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 27	02/13/13	Not Sampled on Current Sample Schedule				
MW - 27	05/22/13	<0.001	<0.001	<0.001	<0.001	
MW - 27	08/13/13	Not Sampled on Current Sample Schedule				
MW - 27	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 27	02/04/14	Not Sampled on Current Sample Schedule				
MW - 27	05/14/14	<0.00100	<0.00100	<0.00100	<0.00300	
MW - 27	08/05/14	Not Sampled on Current Sample Schedule				
MW - 27	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 27	02/09/15	Not Sampled on Current Sample Schedule				
MW - 27	05/27/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 27	08/03/15	Not Sampled on Current Sample Schedule				
MW - 27	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 27	02/24/16	Not Sampled on Current Sample Schedule				
MW - 27	06/07/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 27	08/02/16	Not Sampled on Current Sample Schedule				
MW - 27	11/08/16	<0.00500	<0.00500	<0.00500	<0.00500	
MW - 27	03/01/17	Not Sampled on Current Sample Schedule				
MW - 27	05/23/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 27	08/17/17	Not Sampled on Current Sample Schedule				
MW - 27	11/14/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 27	02/08/18	Not Sampled on Current Sample Schedule				
MW - 27	05/21/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 27	08/08/18	Not Sampled on Current Sample Schedule				
MW - 27	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 27	02/12/19	Not Sampled on Current Sample Schedule				
MW - 27	05/07/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 27	08/07/19	Not Sampled on Current Sample Schedule				
MW - 27	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 27	03/04/20	Not Sampled on Current Sample Schedule				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 27	06/17/20	<0.00100	<0.00500	<0.00500	<0.00500	
MW - 27	08/12/20	Not Sampled on Current Sample Schedule				
MW - 27	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 27	02/10/21	Not Sampled on Current Sample Schedule				
MW - 27	06/10/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 27	09/23/21	Not Sampled on Current Sample Schedule				
MW - 27	12/06/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 27	03/16/22	Not Sampled on Current Sample Schedule				
MW - 27	05/11/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 27	08/16/22	Not Sampled on Current Sample Schedule				
MW - 27	11/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 28	06/20/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 28	09/26/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 28	11/12/02	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 28	02/12/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 28	05/14/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 28	08/21/03	<0.001	<0.001	<0.001	<0.001	<0.001
MW - 28	12/10/03	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 28	02/11/04	<0.001	<0.001	<0.001	<0.002	<0.001
MW - 28	12/03/04	<0.001	<0.001	<0.001	<0.001	
MW - 28	03/08/05	Not Sampled on Current Sample Schedule				
MW - 28	06/08/05	Not Sampled on Current Sample Schedule				
MW - 28	09/15/05	Not Sampled on Current Sample Schedule				
MW - 28	12/12/05	<0.001	<0.001	<0.001	<0.001	
MW - 28	03/16/06	Not Sampled on Current Sample Schedule				
MW - 28	06/15/06	Not Sampled on Current Sample Schedule				
MW - 28	09/30/06	Not Sampled on Current Sample Schedule				
MW - 28	12/01/06	<0.01	<0.01	<0.01	<0.01	
MW - 28	02/27/07	Not Sampled on Current Sample Schedule				
MW - 28	05/22/07	Not Sampled on Current Sample Schedule				
MW - 28	08/15/07	Not Sampled on Current Sample Schedule				
MW - 28	11/06/07	<0.001	<0.001	<0.001	<0.001	
MW - 28	02/12/08	Not Sampled on Current Sample Schedule				
MW - 28	05/13/08	Not Sampled on Current Sample Schedule				
MW - 28	08/14/08	Not Sampled on Current Sample Schedule				
MW - 28	11/12/08	<0.001	<0.001	<0.001	<0.001	
MW - 28	02/10/09	Not Sampled on Current Sample Schedule				
MW - 28	05/12/09	<0.001	<0.001	<0.001	<0.001	
MW - 28	08/10/09	Not Sampled on Current Sample Schedule				



**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
MW - 28	11/18/09	<0.001	<0.001	<0.001	<0.001	
MW - 28	02/09/10	Not Sampled on Current Sample Schedule				
MW - 28	05/13/10	Not Sampled on Current Sample Schedule				
MW - 28	08/11/10	Not Sampled on Current Sample Schedule				
MW - 28	11/11/10	<0.001	<0.001	<0.001	<0.001	
MW - 28	02/16/11	Not Sampled on Current Sample Schedule				
MW - 28	05/19/11	Not Sampled on Current Sample Schedule				
MW - 28	08/10/11	Not Sampled on Current Sample Schedule				
MW - 28	11/16/11	<0.001	<0.001	<0.001	<0.001	
MW - 28	02/29/12	Not Sampled on Current Sample Schedule				
MW - 28	05/02/12	Not Sampled on Current Sample Schedule				
MW - 28	08/10/12	Not Sampled due to Site Excavation				
MW - 28	12/06/12	<0.001	<0.001	<0.001	<0.001	
MW - 28	02/13/13	Not Sampled on Current Sample Schedule				
MW - 28	05/22/13	Not Sampled on Current Sample Schedule				
MW - 28	08/13/13	Not Sampled on Current Sample Schedule				
MW - 28	11/21/13	<0.001	<0.001	<0.001	<0.00300	
MW - 28	02/04/14	Not Sampled on Current Sample Schedule				
MW - 28	05/14/14	Not Sampled on Current Sample Schedule				
MW - 28	08/05/14	Not Sampled on Current Sample Schedule				
MW - 28	11/19/14	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 28	02/09/15	Not Sampled on Current Sample Schedule				
MW - 28	05/27/15	Not Sampled on Current Sample Schedule				
MW - 28	08/03/15	Not Sampled on Current Sample Schedule				
MW - 28	11/18/15	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 28	02/24/16	Not Sampled on Current Sample Schedule				
MW - 28	06/07/16	Not Sampled on Current Sample Schedule				
MW - 28	08/02/16	Not Sampled on Current Sample Schedule				
MW - 28	11/08/16	<0.00100	<0.00100	<0.00100	<0.00100	
MW - 28	03/01/17	Not Sampled on Current Sample Schedule				
MW - 28	05/23/17	Not Sampled on Current Sample Schedule				
MW - 28	08/17/17	Not Sampled on Current Sample Schedule				
MW - 28	11/14/17	<0.00200	<0.00200	<0.00200	<0.00400	
MW - 28	02/08/18	Not Sampled on Current Sample Schedule				
MW - 28	05/21/18	Not Sampled on Current Sample Schedule				
MW - 28	08/08/18	Not Sampled on Current Sample Schedule				
MW - 28	11/12/18	<0.00100	<0.0100	<0.00500	<0.0200	
MW - 28	02/12/19	Not Sampled on Current Sample Schedule				
MW - 28	05/07/19	Not Sampled on Current Sample Schedule				
MW - 28	08/07/19	Not Sampled on Current Sample Schedule				

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
MW - 28	11/06/19	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 28	03/04/20	Not Sampled on Current Sample Schedule				
MW - 28	06/17/20	Not Sampled on Current Sample Schedule				
MW - 28	08/12/20	Not Sampled on Current Sample Schedule				
MW - 28	12/09/20	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 28	02/10/21	Not Sampled on Current Sample Schedule				
MW - 28	06/09/21	Not Sampled on Current Sample Schedule				
MW - 28	09/23/21	Not Sampled on Current Sample Schedule				
MW - 28	12/06/21	<0.00100	<0.00100	<0.00100	<0.00200	
MW - 28	03/16/22	Not Sampled on Current Sample Schedule				
MW - 28	05/09/22	Not Sampled on Current Sample Schedule				
MW - 28	08/16/22	Not Sampled on Current Sample Schedule				
MW - 28	11/10/22	<0.00100	<0.00100	<0.00100	<0.00200	
RW - 1	03/08/05	Not Sampled Due to PSH in Well				
RW - 1	06/08/05	Not Sampled Due to PSH in Well				
RW - 1	09/15/05	Not Sampled Due to PSH in Well				
RW - 1	12/12/05	Not Sampled Due to PSH in Well				
RW - 1	03/16/06	Not Sampled Due to PSH in Well				
RW - 1	06/15/06	Not Sampled Due to PSH in Well				
RW - 1	09/30/06	Not Sampled Due to PSH in Well				
RW - 1	12/01/06	Not Sampled Due to PSH in Well				
RW - 1	02/27/07	Not Sampled Due to PSH in Well				
RW - 1	05/22/07	Not Sampled Due to PSH in Well				
RW - 1	08/15/07	Not Sampled Due to PSH in Well				
RW - 1	11/06/07	Not Sampled Due to PSH in Well				
RW - 1	02/12/08	Not Sampled Due to PSH in Well				
RW - 1	05/13/08	Not Sampled Due to PSH in Well				
RW - 1	08/14/08	Not Sampled Due to PSH in Well				
RW - 1	11/12/08	0.2180	0.117	0.0721	0.0853	
RW - 1	02/10/09	Not Sampled Due to PSH in Well				
RW - 1	05/12/09	Not Sampled Due to PSH in Well				
RW - 1	08/10/09	Not Sampled Due to PSH in Well				
RW - 1	11/18/09	0.1820	<0.010	0.0367	<0.010	
RW - 1	02/09/10	0.2760	<0.010	0.0546	0.0714	
RW - 1	05/13/10	0.2520	<0.001	0.0364	<0.001	
RW - 1	08/11/10	Not Sampled Due to PSH in Well				
RW - 1	11/11/10	Not Sampled Due to PSH in Well				
RW - 1	02/16/11	Not Sampled Due to PSH in Well				
RW - 1	05/19/11	Not Sampled Due to PSH in Well				

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
RW - 1	08/10/11	Not Sampled Due to PSH in Well				
RW - 1	11/16/11	Not Sampled Due to PSH in Well				
RW - 1	02/29/12	Not Sampled Due to PSH in Well				
RW - 1	05/02/12	0.3220	<0.001	<0.001	<0.001	
RW - 1	08/10/12	Not Sampled due to Site Excavation				
RW - 1	12/07/12	Not Sampled Due to PSH in Well				
RW - 1	02/13/13	Not Sampled Due to PSH in Well				
RW - 1	05/22/13	0.1470	<0.00500	<0.00500	<0.00500	
RW - 1	08/13/13	0.110	<0.00100	0.00950	<0.00100	
RW - 1	11/21/13	<0.0500	<0.0500	<0.0500	<0.150	
RW - 1	02/04/14	0.0846	<0.0500	<0.0500	<0.150	
RW - 1	05/14/14	0.0642	<0.0500	<0.0500	<0.150	
RW - 1	08/05/14	0.0472	<0.00100	0.00720	0.0035	
RW - 1	11/19/14	0.2350	<0.0500	<0.0500	<0.0500	
RW - 1	02/09/15	0.0516	<0.0500	<0.0500	<0.0500	
RW - 1	05/27/15	0.0568	<0.00100	<0.00100	0.00210	
RW - 1	08/03/15	0.0303	<0.00100	0.00180	0.00130	
RW - 1	11/19/15	0.0548	<0.00100	<0.00100	<0.00100	
RW - 1	02/24/16	0.0339	0.00170	0.00220	0.0139	
RW - 1	06/07/16	0.0237	0.00170	0.00260	<0.00100	
RW - 1	08/03/16	0.0217	<0.0100	<0.0100	<0.0100	
RW - 1	11/08/16	0.0228	<0.00500	<0.00500	<0.00500	
RW - 1	03/01/17	0.0235	0.00368	<0.00200	0.0601	
RW - 1	05/23/17	0.0769	0.00289	0.0101	0.0167	
RW - 1	08/17/17	0.0292	<0.00200	<0.00200	<0.00400	
RW - 1	11/14/17	0.0843	<0.00200	<0.00200	<0.00400	
RW - 1	02/08/18	0.0631	0.00220	<0.00200	0.01544	
RW - 1	05/22/18	0.0296	<0.0100	0.00760	<0.0200	
RW - 1	08/08/18	0.0126	<0.0100	<0.00500	<0.0200	
RW - 1	11/13/18	0.171	<0.0500	0.151	0.158	
RW - 1	02/13/19	0.0294	<0.00500	<0.00500	<0.0100	
RW - 1	05/08/19	0.0212	<0.00100	0.00473	<0.00200	
RW - 1	08/08/19	0.00258	0.00137	0.00417	0.01604	
RW - 1	11/06/19	0.00910	<0.00100	<0.00100	<0.00200	
RW - 1	03/04/20	0.0401	0.00438	0.0122	0.0422	
RW - 1	06/18/20	0.00682	<0.00500	0.00587	0.02734	
RW - 1	08/13/20	0.00953	0.00356	0.00607	0.02045	
RW - 1	12/10/20	0.00742	0.00117	<0.00100	0.00259	
RW - 1	02/11/21	0.00977	0.00630	0.0260	0.01389	
RW - 1	06/10/21	0.0116	0.00619	0.0114	0.02348	

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
RW - 1	09/23/21	0.00369	0.00430	0.00539	0.0261	
RW - 1	12/06/21	<0.00100	0.00298	0.00752	0.00365	
RW - 1	03/16/22	0.00146	0.00227	0.00402	0.00756	
RW - 1	05/11/22	0.00114	0.00120	0.00190	0.00489	
RW - 1	08/18/22	0.00379	0.00195	0.00517	0.00334	
RW - 1	11/10/22	0.00506	0.00145	0.00282	0.01498	
RW - 2	03/08/05	0.1400	<0.1	<0.1	<0.1	
RW - 2	06/08/05	0.0178	<0.01	0.0241	<0.01	
RW - 2	09/15/05	Not Sampled Due to PSH in Well				
RW - 2	12/12/05	Not Sampled Due to PSH in Well				
RW - 2	03/16/06	Not Sampled Due to PSH in Well				
RW - 2	06/15/06	Not Sampled Due to PSH in Well				
RW - 2	09/30/06	Not Sampled Due to PSH in Well				
RW - 2	12/01/06	Not Sampled Due to PSH in Well				
RW - 2	02/27/07	Not Sampled Due to PSH in Well				
RW - 2	05/22/07	Not Sampled Due to PSH in Well				
RW - 2	08/15/07	<0.1	<0.1	<0.1	<0.1	
RW - 2	11/06/07	0.0584	<0.001	0.0313	0.0170	
RW - 2	02/12/08	0.0559	<0.005	0.0280	0.0253	
RW - 2	05/13/08	0.0590	<0.005	0.0161	0.0056	
RW - 2	08/14/08	0.0535	<0.00100	0.0169	0.0094	
RW - 2	11/12/08	0.0521	<0.00100	0.0257	<0.010	
RW - 2	02/10/09	0.0507	<0.001	<0.001	<0.001	
RW - 2	05/12/09	0.0855	<0.005	0.0417	<0.005	
RW - 2	08/10/09	0.0709	<0.001	0.0251	0.0199	
RW - 2	11/18/09	0.1460	<0.001	0.0229	0.0058	
RW - 2	02/09/10	0.1060	<0.001	0.0201	0.0092	
RW - 2	05/13/10	0.0579	<0.001	0.0128	<0.001	
RW - 2	08/11/10	<0.100	<0.100	<0.100	<0.100	
RW - 2	11/11/10	0.0695	0.0199	0.0295	<0.005	
RW - 2	02/16/11	0.0531	<0.005	<0.005	<0.005	
RW - 2	05/19/11	0.0945	<0.005	0.0320	0.0779	
RW - 2	08/10/11	0.0572	<0.001	<0.001	<0.001	
RW - 2	11/16/11	0.0576	<0.001	0.0047	<0.001	
RW - 2	02/29/12	0.0574	<0.001	0.0086	<0.001	
RW - 2	05/02/12	0.0131	<0.001	<0.001	<0.001	
RW - 2	08/10/12	Not Sampled due to Site Excavation				
RW - 2	12/07/12	Not Sampled due to Low Water Levels				
RW - 2	02/13/13	Not Sampled due to Low Water Levels				

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
RW - 2	05/22/13	Not Sampled due to Low Water Levels				
RW - 2	08/13/13	Not Sampled due to Low Water Levels				
RW - 2	11/21/13	Not Sampled due to Low Water Levels				
RW - 2	02/04/14	Plugged and Abandoned				
RW - 3	05/14/03	0.1780	0.003	0.0420	0.0490	0.004
RW - 3	02/11/04	0.1650	<0.001	0.1090	0.0120	0.001
RW - 3	08/25/04	0.2200	0.002	0.0548	0.0360	0.007
RW - 3	12/03/04	0.3670	<0.100	<0.100	<0.100	
RW - 3	03/08/05	0.1830	<0.05	<0.05	<0.05	
RW - 3	06/08/05	0.0541	<0.01	0.0268	<0.01	
RW - 3	09/15/05	Not Sampled Due to PSH in Well				
RW - 3	12/12/05	Not Sampled Due to PSH in Well				
RW - 3	03/16/06	0.0910	<0.001	0.0383	0.0064	
RW - 3	06/15/06	Not Sampled Due to PSH in Well				
RW - 3	09/30/06	Not Sampled Due to PSH in Well				
RW - 3	12/01/06	Not Sampled Due to PSH in Well				
RW - 3	02/27/07	Not Sampled Due to PSH in Well				
RW - 3	05/22/07	Not Sampled Due to PSH in Well				
RW - 3	08/15/07	<0.1	<0.1	<0.1	<0.1	
RW - 3	11/06/07	0.0868	<0.001	0.0305	0.0179	
RW - 3	02/12/08	0.4590	<0.005	0.0408	0.0471	
RW - 3	05/13/08	0.1990	<0.005	0.0209	0.0129	
RW - 3	08/14/08	Not Sampled Due to PSH in Well				
RW - 3	11/12/08	0.3780	<0.010	0.0413	0.0346	
RW - 3	02/10/09	0.4550	<0.010	0.0378	0.0200	
RW - 3	05/12/09	0.4400	<0.010	0.0973	<0.01	
RW - 3	08/10/09	0.1060	<0.010	<0.010	<0.010	
RW - 3	11/18/09	0.2960	<0.010	0.0269	<0.010	
RW - 3	02/09/10	0.2970	<0.010	<0.010	<0.010	
RW - 3	05/13/10	0.1830	<0.010	<0.010	<0.010	
RW - 3	08/11/10	<0.100	<0.100	<0.100	<0.100	
RW - 3	11/11/10	0.3360	<0.0500	<0.0500	<0.0500	
RW - 3	02/16/11	0.4680	<0.0500	<0.0500	0.0500	
RW - 3	05/19/11	0.9380	<0.0500	0.275	0.7750	
RW - 3	08/10/11	0.3040	<0.0200	<0.0200	<0.0200	
RW - 3	11/17/11	0.1420	<0.020	<0.020	<0.020	
RW - 3	02/29/12	0.2200	<0.020	<0.020	<0.020	
RW - 3	05/02/12	0.2510	<0.020	<0.020	<0.020	
RW - 3	08/10/12	Not Sampled due to Site Excavation				

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
RW - 3	12/06/12	0.0209	<0.005	<0.005	<0.005	
RW - 3	02/13/13	0.0110	<0.001	<0.001	<0.001	
RW - 3	05/22/13	0.0713	<0.00500	<0.00500	<0.00500	
RW - 3	08/13/13	0.0652	<0.00500	<0.00500	<0.00500	
RW - 3	11/21/13	0.0212	<0.00100	<0.00100	<0.00300	
RW - 3	02/04/14	0.146	<0.0500	<0.0500	<0.150	
RW - 3	05/14/14	0.0219	<0.00100	<0.00100	<0.00300	
RW - 3	08/05/14	0.2100	<0.0500	<0.0500	<0.0500	
RW - 3	11/19/14	0.2630	<0.0500	<0.0500	<0.0500	
RW - 3	02/09/15	0.141	<0.0500	<0.0500	<0.0500	
RW - 3	05/27/15	0.0583	<0.0500	<0.0500	<0.0500	
RW - 3	08/03/15	0.382	<0.0500	<0.0500	<0.0500	
RW - 3	11/19/15	0.125	<0.00100	0.00480	0.00330	
RW - 3	02/24/16	0.0481	<0.00100	0.00280	<0.00100	
RW - 3	06/07/16	0.1280	<0.00100	0.00200	0.00180	
RW - 3	08/03/16	0.0613	<0.0500	<0.0500	<0.0500	
RW - 3	11/08/16	0.142	<0.0500	<0.0500	<0.0500	
RW - 3	03/01/17	0.0787	<0.00200	0.00542	0.00825	
RW - 3	05/23/17	0.157	<0.00200	0.0125	<0.00400	
RW - 3	08/17/17	0.367	0.00288	0.00645	0.0120	
RW - 3	11/14/17	0.220	<0.00200	<0.00200	<0.00400	
RW - 3	02/08/18	0.0618	<0.00200	<0.00200	0.00528	
RW - 3	05/22/18	0.169	<0.0100	0.00571	<0.0200	
RW - 3	08/08/18	0.168	<0.0100	<0.00500	<0.0200	
RW - 3	11/13/18	0.0259	<0.0100	<0.00500	<0.0200	
RW - 3	02/13/19	0.0337	<0.00100	<0.00100	<0.00200	
RW - 3	05/08/19	0.0580	<0.00100	0.00192	0.00217	
RW - 3	08/08/19	0.110	<0.00100	<0.00100	<0.00200	
RW - 3	11/13/19	0.0620	<0.00100	0.00258	<0.00200	
RW - 3	03/05/20	0.0685	<0.00100	0.00161	0.00211	
RW - 3	06/18/20	0.133	<0.00500	<0.00500	0.01794	
RW - 3	08/13/20	0.208	0.00405	0.00602	0.01434	
RW - 3	12/10/20	0.114	<0.00100	0.00123	<0.00200	
RW - 3	02/11/21	0.0903	0.00413	0.00658	0.00679	
RW - 3	06/11/21	0.188	0.00409	0.00513	0.01198	
RW - 3	09/23/21	0.164	0.00297	0.00764	0.01009	
RW - 3	12/07/21	0.00612	<0.00100	<0.00100	<0.00200	
RW - 3	03/15/22	<0.00100	<0.00100	<0.00100	<0.00200	
RW - 3	05/10/22	0.0136	<0.00100	<0.00100	<0.00200	
RW - 3	08/17/22	0.213	0.00131	<0.00100	0.00201	

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
RW - 3	11/10/22	0.00107	<0.00100	<0.00100	<0.00200	
RW - 4	05/14/03	<b>0.6390</b>	0.001	0.2750	0.2610	0.032
RW - 4	03/08/05	<b>0.3230</b>	<0.05	<0.05	<0.05	
RW - 4	06/08/05	<b>0.4410</b>	<0.05	<0.05	<0.05	
RW - 4	09/15/05	Not Sampled Due to PSH in Well				
RW - 4	12/12/05	Not Sampled Due to PSH in Well				
RW - 4	03/16/06	<b>0.2660</b>	<0.001	0.0595	0.0459	
RW - 4	06/15/06	Not Sampled Due to PSH in Well				
RW - 4	09/30/06	Not Sampled Due to PSH in Well				
RW - 4	12/01/06	Not Sampled Due to PSH in Well				
RW - 4	02/27/07	Not Sampled Due to PSH in Well				
RW - 4	05/22/07	Not Sampled Due to PSH in Well				
RW - 4	08/15/07	<b>0.3540</b>	<0.1	<0.1	<0.1	
RW - 4	11/06/07	<b>0.2930</b>	<0.2	<0.2	<0.2	
RW - 4	02/12/08	<b>0.4720</b>	<0.005	0.1090	0.0866	
RW - 4	05/13/08	<b>0.3360</b>	<0.005	0.0549	0.0391	
RW - 4	08/14/08	<b>0.3960</b>	<0.005	0.0885	0.0679	
RW - 4	11/12/08	<b>0.3660</b>	<0.010	0.0777	0.0541	
RW - 4	02/10/09	<b>0.6470</b>	<0.010	0.1330	0.0813	
RW - 4	05/12/09	<b>0.6520</b>	<0.010	0.2020	0.1850	
RW - 4	08/10/09	<b>0.4300</b>	<0.010	0.1280	0.1300	
RW - 4	11/18/09	<b>0.3360</b>	<0.010	0.1290	0.0409	
RW - 4	02/09/10	<b>0.3250</b>	<0.010	0.0832	0.0641	
RW - 4	05/13/10	<b>0.3240</b>	<0.010	0.0679	0.0638	
RW - 4	08/11/10	<b>0.1420</b>	<0.100	<0.100	<0.100	
RW - 4	11/11/10	<b>0.4740</b>	<0.100	<0.100	<0.100	
RW - 4	02/16/11	<b>1.6100</b>	<0.100	<b>0.8490</b>	<0.100	
RW - 4	05/19/11	<b>1.8500</b>	<0.100	0.6820	<b>1.6200</b>	
RW - 4	08/10/11	<b>0.6130</b>	<0.0200	0.1580	0.2280	
RW - 4	11/17/11	<b>0.3150</b>	<0.0200	0.0753	<0.020	
RW - 4	02/29/12	<b>0.3310</b>	<0.0200	<0.020	<0.020	
RW - 4	05/02/12	<b>0.6290</b>	<0.0200	0.2110	0.3200	
RW - 4	08/10/12	Not Sampled due to Site Excavation				
RW - 4	12/06/12	<b>0.2760</b>	<0.005	0.0841	0.0362	
RW - 4	02/13/13	<b>0.6670</b>	<0.001	0.1530	0.0792	
RW - 4	05/22/13	<b>0.5620</b>	<0.00500	0.1080	0.0618	
RW - 4	08/13/13	<b>0.743</b>	<0.00500	0.166	0.0886	
RW - 4	11/21/13	<b>0.455</b>	<0.0100	0.0888	0.0360	
RW - 4	02/04/14	<b>0.830</b>	<0.0500	0.164	<0.150	

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**

**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
RW - 4	05/14/14	0.749	<0.0500	0.124	<0.150	
RW - 4	08/05/14	0.666	<0.0500	0.131	0.0893	
RW - 4	11/19/14	Not Sampled Due to PSH in Well				
RW - 4	02/09/15	0.278	<0.0500	0.160	0.0676	
RW - 4	05/27/15	0.316	<0.0500	0.139	<0.0500	
RW - 4	08/03/15	0.118	<0.0500	0.0664	<0.0500	
RW - 4	11/19/15	0.130	<0.00100	0.114	0.0307	
RW - 4	02/24/16	0.158	<0.00100	0.109	0.0354	
RW - 4	06/07/16	0.0991	<0.00100	0.0624	0.0387	
RW - 4	08/03/16	0.0735	<0.0500	<0.0500	<0.0500	
RW - 4	11/08/16	<0.0500	<0.0500	<0.0500	<0.0500	
RW - 4	03/01/17	0.0368	<0.00200	0.0221	0.0108	
RW - 4	05/23/17	0.134	0.00409	0.0466	0.0690	
RW - 4	08/17/17	0.224	<0.00200	0.0323	0.03361	
RW - 4	11/14/17	0.231	<0.00200	0.0382	0.0235	
RW - 4	02/08/18	0.166	<0.00200	0.0389	0.02144	
RW - 4	05/22/18	0.0850	<0.0100	0.0272	<0.0200	
RW - 4	08/08/18	0.104	<0.0100	0.0206	<0.0200	
RW - 4	11/13/18	0.199	<0.0100	0.0746	0.0435	
RW - 4	02/13/19	0.244	0.00323	0.151	0.09806	
RW - 4	05/08/19	0.223	<0.00100	0.0827	0.0566	
RW - 4	08/08/19	0.0956	<0.00100	0.0140	0.01785	
RW - 4	11/13/19	0.170	<0.00100	0.108	0.0947	
RW - 4	03/05/20	0.186	0.00240	0.0719	0.0659	
RW - 4	06/18/20	0.0795	<0.00500	0.0207	0.03294	
RW - 4	08/13/20	0.120	0.00306	0.0456	0.04117	
RW - 4	12/10/20	0.124	<0.00100	0.0141	0.01161	
RW - 4	02/11/21	0.154	0.0160	0.175	0.1635	
RW - 4	06/11/21	0.417	0.0116	0.191	0.15975	
RW - 4	09/23/21	0.376	<0.00500	0.288	0.2338	
RW - 4	12/06/21	0.431	0.0136	0.247	0.1804	
RW - 4	03/16/22	0.307	0.00302	0.105	0.0523	
RW - 4	05/11/22	0.377	0.00394	0.219	0.10588	
RW - 4	08/18/22	0.257	0.00605	0.0510	0.03890	
RW - 4	11/11/22	0.306	0.00384	0.167	0.09198	
RW - 5	08/25/04	0.0196	<0.001	0.0126	0.0049	0.005
RW - 5	12/03/04	0.3520	<0.100	<0.100	<0.100	
RW - 5	03/08/05	0.2320	<0.05	0.1540	0.0830	
RW - 5	06/08/05	0.1490	<0.05	<0.05	<0.05	



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**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
RW - 5	09/15/05	Not Sampled Due to PSH in Well				
RW - 5	12/12/05	Not Sampled Due to PSH in Well				
RW - 5	03/16/06	Not Sampled Due to PSH in Well				
RW - 5	06/15/06	Not Sampled Due to PSH in Well				
RW - 5	09/30/06	Not Sampled Due to PSH in Well				
RW - 5	12/01/06	Not Sampled Due to PSH in Well				
RW - 5	02/27/07	Not Sampled Due to PSH in Well				
RW - 5	05/22/07	Not Sampled Due to PSH in Well				
RW - 5	08/15/07	Not Sampled Due to PSH in Well				
RW - 5	11/06/07	Not Sampled Due to PSH in Well				
RW - 5	02/12/08	Not Sampled Due to PSH in Well				
RW - 5	05/13/08	Not Sampled Due to PSH in Well				
RW - 5	08/14/08	Not Sampled Due to PSH in Well				
RW - 5	11/12/08	<b>0.1320</b>	0.148	0.1230	0.1640	
RW - 5	02/10/09	Not Sampled Due to PSH in Well				
RW - 5	05/12/09	Not Sampled Due to PSH in Well				
RW - 5	08/10/09	Not Sampled Due to PSH in Well				
RW - 5	11/18/09	<b>0.0220</b>	<0.005	0.0508	0.0149	
RW - 5	02/09/10	Not Sampled Due to PSH in Well				
RW - 5	05/13/10	Not Sampled Due to PSH in Well				
RW - 5	08/11/10	Not Sampled Due to PSH in Well				
RW - 5	11/11/10	Not Sampled Due to PSH in Well				
RW - 5	02/16/11	Not Sampled Due to PSH in Well				
RW - 5	05/19/11	Not Sampled Due to PSH in Well				
RW - 5	08/10/11	Not Sampled Due to PSH in Well				
RW - 5	11/17/11	Not Sampled Due to PSH in Well				
RW - 5	02/29/12	Not Sampled Due to PSH in Well				
RW - 5	05/02/12	<b>0.3490</b>	<0.0100	0.2010	0.1940	
RW - 5	08/10/12	Not Sampled due to Site Excavation				
RW - 5	12/07/12	Not Sampled Due to PSH in Well				
RW - 5	02/13/13	Not Sampled Due to PSH in Well				
RW - 5	05/22/13	Not Sampled Due to PSH in Well				
RW - 5	08/13/13	Not Sampled Due to PSH in Well				
RW - 5	11/21/13	Not Sampled Due to PSH in Well				
RW - 5	02/04/14	Not Sampled Due to PSH in Well				
RW - 5	05/14/14	Not Sampled Due to PSH in Well				
RW - 5	08/05/14	Not Sampled Due to PSH in Well				
RW - 5	11/19/14	Not Sampled Due to PSH in Well				
RW - 5	08/03/15	<b>0.358</b>	<0.0500	<0.0500	<0.0500	
RW - 5	11/19/15	<b>0.0417</b>	<0.00100	0.00300	0.00220	

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**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>
RW - 5	02/24/16	<b>0.270</b>	<0.00100	0.0374	0.0165
RW - 5	06/07/16	<b>0.350</b>	<0.00100	0.0254	0.0189
RW - 5	08/03/16	<b>0.248</b>	<0.0500	<0.0500	<0.0500
RW - 5	11/08/16	<b>0.331</b>	<0.0500	<0.0500	<0.0500
RW - 5	03/01/17	<b>0.200</b>	0.00286	0.0184	0.0130
RW - 5	05/23/17	<b>0.389</b>	0.00205	0.0394	0.0318
RW - 5	08/17/17	<b>0.399</b>	0.00321	0.0461	0.0522
RW - 5	11/14/17	<b>0.384</b>	<0.00200	0.0230	0.0177
RW - 5	02/08/18	<b>0.239</b>	0.00228	0.0221	0.0139
RW - 5	05/22/18	<b>0.236</b>	<0.0100	0.0252	<0.0200
RW - 5	08/08/18	<b>0.202</b>	<0.0100	0.0308	<0.0200
RW - 5	11/13/18	<b>0.216</b>	<0.0100	0.0486	0.0342
RW - 5	02/13/19	<b>0.151</b>	<0.00100	0.0201	0.00688
RW - 5	05/08/19	<b>0.0882</b>	<0.00100	0.0114	0.00938
RW - 5	08/08/19	<b>0.177</b>	<0.00100	0.0101	0.01843
RW - 5	11/13/19	<b>0.136</b>	<0.00100	0.0190	0.0278
RW - 5	03/05/20	<b>0.175</b>	0.00373	0.0276	0.03087
RW - 5	06/18/20	<b>0.144</b>	0.00701	0.0312	0.0633
RW - 5	08/13/20	<b>0.178</b>	0.00288	0.0133	0.02216
RW - 5	12/10/20	<b>0.188</b>	0.00166	0.00557	0.00899
RW - 5	02/11/21	<b>0.135</b>	0.00518	0.0297	0.0266
RW - 5	06/11/21	<b>0.206</b>	0.00220	0.0125	0.02776
RW - 5	09/23/21	<b>0.167</b>	0.0143	0.0484	0.1073
RW - 5	12/06/21	<b>0.296</b>	0.00171	0.0158	0.0206
RW - 5	03/16/22	<b>0.351</b>	0.00371	0.0292	0.0427
RW - 5	05/11/22	<b>0.254</b>	0.00268	0.0241	0.0446
RW - 5	08/18/22	<b>0.377</b>	0.00544	0.0305	0.05802
RW - 5	11/11/22	Not Sampled Due to PSH in Well			
RW - 6	03/08/05	Not Sampled Due to PSH in Well			
RW - 6	06/08/05	Not Sampled Due to PSH in Well			
RW - 6	09/15/05	Not Sampled Due to PSH in Well			
RW - 6	12/12/05	Not Sampled Due to PSH in Well			
RW - 6	03/16/06	Not Sampled Due to PSH in Well			
RW - 6	06/15/06	Not Sampled Due to PSH in Well			
RW - 6	09/30/06	Not Sampled Due to PSH in Well			
RW - 6	12/01/06	Not Sampled Due to PSH in Well			
RW - 6	02/27/07	Not Sampled Due to PSH in Well			
RW - 6	05/22/07	Not Sampled Due to PSH in Well			
RW - 6	08/15/07	Not Sampled Due to PSH in Well			

TABLE 5

## HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NM  
NMOCD REFERENCE NUMBER AP-017

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES	o -XYLENE
NMOCD Regulatory Guideline		0.01	0.75	0.75	0.62	
RW - 6	11/06/07	Not Sampled Due to PSH in Well				
RW - 6	02/12/08	Not Sampled Due to PSH in Well				
RW - 6	05/13/08	Not Sampled Due to PSH in Well				
RW - 6	08/14/08	Not Sampled Due to PSH in Well				
RW - 6	11/12/08	0.1060	0.133	0.1270	0.1370	
RW - 6	02/10/09	Not Sampled Due to PSH in Well				
RW - 6	05/12/09	Not Sampled Due to PSH in Well				
RW - 6	08/10/09	Not Sampled Due to PSH in Well				
RW - 6	11/18/09	0.0509	0.0107	0.4810	0.3780	
RW - 6	02/09/10	Not Sampled Due to PSH in Well				
RW - 6	05/13/10	Not Sampled Due to PSH in Well				
RW - 6	08/11/10	Not Sampled Due to PSH in Well				
RW - 6	11/11/10	Not Sampled Due to PSH in Well				
RW - 6	02/16/11	Not Sampled Due to PSH in Well				
RW - 6	05/19/11	Not Sampled Due to PSH in Well				
RW - 6	08/10/11	Not Sampled Due to PSH in Well				
RW - 6	11/17/11	Not Sampled Due to PSH in Well				
RW - 6	02/29/12	Not Sampled Due to PSH in Well				
RW - 6	08/10/12	Not Sampled due to Site Excavation				
RW - 6	12/07/12	Not Sampled Due to PSH in Well				
RW - 6	04/18/13	0.2410	<0.001	0.0346	0.0031	
RW - 6	05/22/13	0.2230	<0.00500	0.0678	<0.00500	
RW - 6	08/13/13	0.256	<0.00100	0.0715	0.0163	
RW - 6	11/21/13	0.220	<0.0500	<0.0500	<0.150	
RW - 6	02/04/14	0.319	<0.0500	0.1640	<0.150	
RW - 6	05/14/14	0.161	<0.0500	<0.0500	<0.150	
RW - 6	08/05/14	0.233	<0.0500	<0.0500	<0.0500	
RW - 6	11/19/14	0.300	<0.0500	<0.0500	<0.0500	
RW - 6	02/09/15	0.130	<0.0500	<0.0500	<0.0500	
RW - 6	05/27/15	0.102	<0.0500	<0.0500	<0.0500	
RW - 6	08/03/15	0.156	<0.0500	<0.0500	<0.0500	
RW - 6	11/19/15	0.0816	<0.00100	0.00910	0.00210	
RW - 6	02/24/16	0.0963	<0.00100	0.0152	0.00710	
RW - 6	06/07/16	0.143	<0.00100	0.0118	0.00330	
RW - 6	08/03/16	0.124	<0.0500	<0.0500	<0.0500	
RW - 6	11/08/16	0.0893	<0.0500	<0.0500	<0.0500	
RW - 6	03/01/17	0.0618	0.00366	0.0103	0.0133	
RW - 6	05/23/17	0.185	<0.00200	0.0292	0.0195	
RW - 6	08/17/17	0.127	0.00447	0.0164	0.0358	
RW - 6	11/14/17	0.128	0.00515	0.0109	0.0107	

**TABLE 5**  
**HISTORICAL CONCENTRATIONS OF BTEX IN GROUNDWATER**  
**PLAINS MARKETING, L.P.**  
**TNM 97-17**  
**LEA COUNTY, NM**  
**NMOCD REFERENCE NUMBER AP-017**

*All concentrations are reported in mg/L*

SAMPLE LOCATION	SAMPLE DATE	SW 846-8012B, 5030			
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p, -XYLENES o -XYLENE
<b>NMOCD Regulatory Guideline</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>
RW - 6	02/08/18	<b>0.0696</b>	0.00147	0.00617	0.01151
RW - 6	05/22/18	<b>0.113</b>	<0.0100	0.00976	<0.0200
RW - 6	08/08/18	<b>0.0961</b>	<0.0100	<0.00500	<0.0200
RW - 6	11/13/18	<b>0.0776</b>	<0.0100	<0.00500	<0.0200
RW - 6	02/13/19	<b>0.0506</b>	0.00153	0.00469	0.00464
RW - 6	05/08/19	<b>0.0417</b>	<0.00100	0.00216	0.00664
RW - 6	08/08/19	<b>0.0594</b>	0.00226	0.00654	0.00867
RW - 6	11/13/19	<b>0.0399</b>	<0.00100	0.00675	0.01614
RW - 6	03/05/20	<b>0.0535</b>	0.0265	0.0548	0.1414
RW - 6	06/18/20	<b>0.0625</b>	0.00822	0.0130	0.0389
RW - 6	08/13/20	<b>0.0724</b>	0.00664	0.00873	0.02528
RW - 6	12/10/20	<b>0.0598</b>	0.00353	0.00697	0.00551
RW - 6	02/11/21	<b>0.0643</b>	0.0182	0.0569	0.0281
RW - 6	06/11/21	<b>0.0818</b>	0.0159	0.0229	0.0598
RW - 6	09/23/21	<b>0.0814</b>	0.0147	0.0190	0.0647
RW - 6	12/06/21	<b>0.0421</b>	0.00854	0.0126	0.0136
RW - 6	03/16/22	<b>0.0864</b>	0.0191	0.0241	0.0878
RW - 6	05/11/22	<b>0.0498</b>	0.00703	0.0110	0.0302
RW - 6	08/18/22	<b>0.0857</b>	0.0216	0.0248	0.0781
RW - 6	11/11/22	<b>0.0742</b>	0.0159	0.0286	0.0715

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-1	11/12/08	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186
MW-1	11/17/09	<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-1	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																	
MW-1	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																	
MW-1	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																	
MW-1	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																	
MW-1	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																	
MW-1	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																	
MW-1	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																	
MW-1	11/13/17	Not Sampled as part of Quarterly Monitoring Event.																	
MW-1	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																	
MW-1	11/05/19	Not Sampled as part of Quarterly Monitoring Event.																	
MW-1	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-1	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																	
MW-1	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-2	11/12/08	<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-2	11/17/09	<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-2	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																	
MW-2	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																	
MW-2	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																	
MW-2	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																	
MW-2	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																	
MW-2	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																	
MW-2	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																	
MW-2	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																	
MW-2	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-2	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/12/08	<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-3	11/17/09	<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-3	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-3	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	11/12/08	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.00238	<0.000917	0.00337	<0.000917	0.00682	0.015	0.0131	0.00239
MW-4	11/18/09	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	0.00834	<0.000926	0.0121	<0.000926	0.0229	0.0802	0.0574	0.00851
MW-4	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-4	12/14/11	Not Sampled due to the presence of PSH.																		
MW-4	12/06/12	Not Sampled due to the presence of PSH.																		
MW-4	11/21/13	Not Sampled due to the presence of PSH.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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	0.0004 mg/L	0.001 mg/L	0.001 mg/L	0.03 mg/L		--	
MW-4	11/19/14	Not Sampled due to the presence of PSH.																	
MW-4	11/18/15	<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	0.118	0.322	<0.000200	<0.000200
MW-4	12/02/16	<0.000460	<0.000460	<0.000460	<0.000460	<0.000460	<0.000460	<0.000460	<0.000460	<0.000460	<0.000460	0.00216	<0.000460	0.00240	<0.000460		0.0202		0.00236
MW-4	11/14/17	0.000703	0.000526	<0.000168	0.000168	<0.000168	<0.000168	<0.000168	<0.000168	0.000271	<0.000168	<0.000168	0.00031	<0.000168	0.00304	<0.000168		0.00982	0.00321
MW-4	11/13/18	0.00031	0.00069	0.00018	0.00036	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0021	<0.00010	0.0032	<0.00010		0.0351		0.0025
MW-4	11/13/19	0.0027	0.012	<0.000097	<0.000097	<0.000097	0.0018	<0.000097	0.00079	0.018	<0.000097	<0.000097	0.0080	<0.000097	0.0080	<0.000097		0.441	0.046
MW-4	12/10/20	<0.0010	<0.0010	<0.0010	0.0010	0.0010	0.0010	<0.0010	<0.0010	0.0010	0.0010	0.0042	0.0010	0.0053	<0.0010		0.059		0.0044
MW-4	12/06/21	0.026	0.0027	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0016	<0.00010	<0.00010	0.026	<0.00010	0.026	<0.00010		0.152	0.0079
MW-4	11/11/22	0.015	0.024	0.040	0.0011	0.0011	0.0011	<0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.20	0.0011		1.373		
MW-5	11/12/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.00233	<0.000922	0.00189	<0.000922	<0.000922	0.00183	<0.000922	0.0023
MW-5	11/18/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.00116	<0.000185	0.000814	<0.000185	<0.000185	0.00234	<0.000185	0.00109
MW-5	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																	
MW-5	12/14/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.00106	<0.000183	0.00129	<0.000183	<0.000183	0.00281	<0.000183	0.00138
MW-5	12/06/12	<0.000957	<0.000957	<0.000957	<0.000957	<0.000957	<0.000957	<0.000957	<0.000957	<0.000957	<0.000957	<0.000957	<0.000957	<0.000957	<0.000957	<0.000957	<0.000957	0.00739	<0.000957
MW-5	11/21/13	<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	<0.000200	<0.000200	<0.000200
MW-5	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																	
MW-5	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																	
MW-5	11/08/16	<0.000200	<0.000200	<0.000200	<0.000721*	<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-5	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																	
MW-5	11/13/18	Not Sampled as part of Quarterly Monitoring Event.																	
MW-5	11/13/19	Not Sampled as part of Quarterly Monitoring Event.																	
MW-5	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-5	12/07/21	Not Sampled as part of Quarterly Monitoring Event.																	
MW-5	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-6	11/12/08	<0.00183	<0.00183	0.00361	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	<0.00183	0.00357	<0.00183	0.00782	0.0115	0.00712	<0.00183

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NEW MEXICO  
NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-6	11/18/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000596	<0.000184	<0.000184	0.00277	<0.000184	0.00112	
MW-6	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-6	12/14/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000755	<0.000183	<0.000183	0.00264	<0.000183	<0.000183	
MW-6	12/06/12	Not Sampled due to the presence of PSH.																		
MW-6	11/21/13	Not Sampled due to the presence of PSH.																		
MW-6	11/19/14	Not Sampled due to the presence of PSH.																		
MW-6	11/18/15	<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	
MW-6	11/09/16	<0.000200	<0.000200	<0.000200	<0.0000721*	<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	11/14/17	0.000492	0.000441	0.000666	<b>0.000636</b>	<0.000167	<0.000167	<0.000167	<0.000167	<b>0.000383</b>	<0.000167	0.00039	<b>0.00134</b>	<0.000167	0.000617	0.000283	<0.000334		0.000941	
MW-6	11/12/18	0.00015	<0.00010	<0.00010	<b>0.00017</b>	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00024	<0.00010	0.00027	<0.00010		0.0068	0.00049	
MW-6	11/13/19	0.00044	0.00099	<0.000097	<b>0.00071</b>	<0.000097	0.00038	<0.000097	0.00020	<b>0.0038</b>	<0.000097	0.00090	<b>0.0027</b>	<0.000097	<b>0.0070</b>	0.00081		0.02457	0.0042	
MW-6	12/10/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010		0.0054	0.0012	
MW-6	12/06/21	0.0019	<0.00010	<0.00010	<b>0.00060</b>	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<b>0.0012</b>	<0.00010	<0.00010	<0.00010		0.0046	0.0012	
MW-6	11/10/22	Not Sampled due to the presence of PSH.																		
MW-7	11/12/08	<0.00185	<0.00185	0.0059	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<b>0.00539</b>	<0.00185	<b>0.00582</b>	<0.00185	<b>0.0106</b>	<b>0.0285</b>	<b>0.0175</b>	<0.00185
MW-7	11/18/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<b>0.00894</b>	<0.000922	<b>0.0108</b>	<0.000922	<b>0.0151</b>	<b>0.0792</b>	<b>0.0383</b>	0.00773
MW-7	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-7	12/14/11	Not Sampled due to the presence of PSH.																		
MW-7	12/06/12	Not Sampled due to the presence of PSH.																		
MW-7	11/21/13	Not Sampled due to the presence of PSH.																		
MW-7	11/19/14	Not Sampled due to the presence of PSH.																		
MW-7	11/18/15	Not Sampled due to the presence of PSH.																		
MW-7	11/08/16	Not Sampled due to the presence of PSH.																		
MW-7	11/14/17	Not Sampled due to the presence of PSH.																		
MW-7	11/13/18	<0.00010	0.0017	<0.00010	<b>0.0025</b>	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<b>0.0043</b>	<0.00010	<0.00010	<0.00010		<b>0.096</b>	0.0047	
MW-7	11/13/19	0.0027	0.016	<0.000097	<b>0.0044</b>	<0.000097	<b>0.0015</b>	<0.000097	<b>0.0013</b>	<b>0.024</b>	<0.000097	<b>0.0027</b>	<b>0.032</b>	<0.000097	<b>0.13</b>	<b>0.0070</b>		<b>0.59</b>	0.049	



TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-7	12/10/20	Not Sampled due to the presence of PSH.																	
MW-7	12/07/21	0.0015	0.00070	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00031	<0.00010	<0.00010	0.0020	<0.00010	0.0011	<0.00010		0.0196		0.0011
MW-7	11/10/22	<0.00011	<0.00011	0.00014	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00043	<0.00011	0.00042	<0.00011		0.0102		-
MW-8	11/12/08	<0.00186	<0.00186	0.00454	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	<0.00186	0.0045	<0.00186	0.012	0.0261	0.0168	<0.00186
MW-8	11/18/09	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	0.0341	<0.00185	0.0486	<0.00185	0.038	0.249	0.123	0.0295
MW-8	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																	
MW-8	12/14/11	Not Sampled due to the presence of PSH.																	
MW-8	12/06/12	Not Sampled due to the presence of PSH.																	
MW-8	11/21/13	Not Sampled due to the presence of PSH.																	
MW-8	11/19/14	Not Sampled due to the presence of PSH.																	
MW-8	11/18/15	Not Sampled due to the presence of PSH.																	
MW-8	11/08/16	Not Sampled due to the presence of PSH.																	
MW-8	11/14/17	Not Sampled due to the presence of PSH.																	
MW-8	11/13/18	0.00046	0.00069	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0015	<0.00010	0.0017	<0.00010		0.082		0.0020
MW-8	11/13/19	0.00088	0.0018	0.0020	0.00046	0.00018	0.00041	<0.00098	0.00025	0.0039	<0.00098	0.00082	0.0076	<0.00098	0.028	0.0010		0.164	0.018
MW-8	12/10/20	Not Sampled due to the presence of PSH.																	
MW-8	12/07/21	Not Sampled due to the presence of PSH.																	
MW-8	11/10/22	Not Sampled due to the presence of PSH.																	
MW-9	11/12/08	<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	0.000746	<0.000183	0.000341
MW-9	11/18/09	<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-9	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																	
MW-9	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																	
MW-9	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																	
MW-9	11/21/13	Not Sampled Due to Low Water Levels																	
MW-9	11/19/14	Plugged and Abandoned																	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-10	11/12/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.00344	<0.000922	0.00296	<0.000922	<0.000922	0.00477	<0.000922	<0.000922
MW-10	11/18/09	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	0.0042	<0.000926	0.00418	<0.000926	<0.000926	0.00958	<0.000926	0.00441
MW-10	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	12/14/11	<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	0.00339	<0.000184	<0.000184	0.00287	<0.000184	0.00261
MW-10	12/06/12	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952	<0.000952
MW-10	11/21/13	<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	<0.000200	<0.000200	<0.000200	<0.000200
MW-10	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	12/08/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-10	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/12/08	<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	11/17/09	<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-11	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/13/17	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-11	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/05/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	12/07/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-11	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/12/08	<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-12	11/17/09	<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	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/13/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/05/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-12	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/12/08	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199	<0.000199
MW-13	11/17/09	<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-13	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NEW MEXICO  
NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-13	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/13/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/05/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-13	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	11/12/08	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	0.0233	<0.0184	0.0402	<0.0184	0.0377	0.147	0.137	0.0289
MW-14	11/18/09	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	<0.00461	0.0786	<0.00461	0.102	<0.00461	0.124	0.628	0.346	0.0603
MW-14	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-14	12/14/11	Not Sampled due to the presence of PSH.																		
MW-14	12/06/12	Not Sampled due to the presence of PSH.																		
MW-14	11/21/13	Not Sampled due to the presence of PSH.																		
MW-14	11/19/14	Not Sampled due to the presence of PSH.																		
MW-14	11/18/15	<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	0.0736	<0.000200	<0.000200	<0.000200
MW-14	11/09/16	<0.000200	<0.000200	<0.000200	<0.000721*	<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-14	11/14/17	0.00505	0.00495	0.00524	0.00377	<0.000167	<0.000167	<0.000167	<0.000167	0.00272	<0.000167	0.00160	0.0176	<0.000167	0.0312	0.00190	0.0456	0.0173		
MW-14	11/13/18	0.00023	0.00049	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0014	<0.00010	0.0010	<0.00010	0.085	0.0018		
MW-14	11/13/19	0.0011	0.0013	<0.000097	<0.000097	<0.000097	0.00067	<0.000097	0.00033	0.0034	<0.000097	0.00086	0.0072	<0.000097	0.029	0.0022	0.1572	0.021		
MW-14	12/10/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0025	<0.0010	<0.0010	0.0035	<0.0010	0.076	0.0033		
MW-14	12/06/21	0.041	0.0084	<0.00010	0.0077	<0.00010	<0.00010	<0.00010	<0.00010	0.0045	<0.00010	<0.00010	0.051	<0.00010	0.055	<0.00010	0.548	0.040		
MW-14	11/11/22	0.012	0.013	0.013	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.12	<0.010	0.88	-		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-15	11/12/08	Not Sampled due to Insufficient water volume																		
MW-15	11/18/09	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	<0.00185	0.0274	<0.00185	0.0369	<0.00185	0.0219	0.157	0.0508	0.0236	
MW-15	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-15	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	0.00136	<0.000184	<0.000184	0.0035	<0.000184	0.00176	
MW-15	12/06/12	Not Sampled due to the presence of PSH.																		
MW-15	11/21/13	<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	0.0216	<0.000200	<0.000200	<0.000200	<0.000200	
MW-15	11/19/14	Not Sampled due to the presence of PSH.																		
MW-15	11/18/15	<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	
MW-15	11/09/16	<0.000200	<0.000200	<0.000200	<0.000721*	<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-15	11/14/17	0.000728	0.000656	0.000674	0.000518	<0.000167	<0.000167	<0.000167	<0.000167	0.000367	<0.000167	0.000317	0.00292	<0.000167	0.00309	0.000612	0.000595		0.00211	
MW-15	11/13/18	0.00052	0.00056	0.00026	0.00059	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0021	<0.00010	0.0026	0.00014	0.01438		0.0022	
MW-15	11/13/19	<0.000097	0.0021	0.0016	<0.000097	0.00055	0.00052	0.00053	0.00011	0.0035	<0.000097	<0.000097	0.0056	0.00053	0.0075	<0.000097	0.0254		0.0075	
MW-15	12/10/20	<0.0010	0.0022	0.0010	<0.0010	<0.0010	<0.0010	0.0012	<0.0010	0.0030	<0.0010	<0.0010	0.0078	<0.0010	0.0027	<0.0010	0.0162		0.0082	
MW-15	12/06/21	0.0069	<0.00010	<0.00010	0.0013	<0.00010	<0.00010	0.00078	<0.00010	0.0049	<0.00010	0.0022	0.00082	<0.00010	<0.00010	<0.00010	0.0065		0.0026	
MW-15	11/11/22	<0.0010	0.0023	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0059	<0.0010	0.015		-	
MW-16	11/12/08	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	<0.000193	
MW-16	11/17/09	<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	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/13/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-16	11/05/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/12/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	
MW-17	11/17/09	<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-17	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/13/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/12/08	<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	
MW-18	11/17/09	<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-18	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NEW MEXICO  
NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-18	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/13/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-18	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-19	11/12/08	Not Sampled due to Insufficient water volume																		
MW-19	11/18/09	<0.000922	<0.000922	0.000931	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<b>0.00387</b>	<0.000922	<b>0.00471</b>	<0.000922	<b>0.00526</b>	<b>0.0275</b>	<b>0.00258</b>	0.0051
MW-19	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-19	12/14/11	<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	<b>0.00624</b>	<0.000184	<b>0.00656</b>	<b>0.0293</b>	<b>0.00517</b>	0.00518
MW-19	12/06/12	Not Sampled due to the presence of PSH.																		
MW-19	11/21/13	Not Sampled due to the presence of PSH.																		
MW-19	11/19/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<b>0.0545</b>	<0.000200	<0.000200
MW-19	11/18/15	<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	<b>1.25</b>	<b>0.144</b>	<0.000200
MW-19	11/09/16	<0.000200	<0.000200	<0.000200	<0.000721*	<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-19	11/14/17	0.00131	0.000883	<b>0.00101</b>	<b>0.000459</b>	<0.000168	<0.000168	<0.000168	<b>0.000425</b>	<0.000168	<0.000168	<b>0.00334</b>	<0.000168	<b>0.00542</b>	0.000406		0.00622		0.00303	
MW-19	11/13/18	0.00060	0.0012	<0.00010	<b>0.00097</b>	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<b>0.0032</b>	<0.00010	<b>0.0060</b>	<0.00010		<b>0.0503</b>		0.0032	
MW-19	11/13/19	0.00140	0.0021	<0.000097	<b>0.00021</b>	<0.000097	0.00044	<0.000097	0.00015	<b>0.0036</b>	<0.000097	<b>0.0012</b>	<b>0.011</b>	<0.000097	<b>0.0160</b>	<b>0.0026</b>		<b>0.0819</b>	0.014	
MW-19	12/10/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<b>0.0043</b>	<0.0010	<b>0.0047</b>	<0.0010		<b>0.0395</b>		0.0037	
MW-19	12/07/21	0.0023	0.00071	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<b>0.0025</b>	<0.00010	0.00076	<0.00010		0.0191		0.0022	
MW-19	11/10/22	<0.0011	<0.0011	<b>&lt;0.0011</b>	<b>&lt;0.0011</b>	<b>&lt;0.0011</b>	<b>&lt;0.0011</b>	<0.0011	<0.0011	<b>&lt;0.0011</b>	<b>&lt;0.0011</b>	<b>0.0040</b>	<b>&lt;0.0011</b>	<b>0.0035</b>	<b>&lt;0.0011</b>		0.0282		-	
MW-20	11/12/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000615	<0.000185	0.000318	<0.000185	<0.000185	0.00351	<0.000185	0.000958	
MW-20	11/18/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000401	<0.000183	<0.000183	0.00159	<0.000183	0.000783	
MW-20	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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
<b>Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.</b>		--	--	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-20	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-20	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-20	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-20	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-20	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-20	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-20	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-20	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-20	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-20	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-20	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-20	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	11/12/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000414	<0.000184	0.000203	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.00108
MW-21	11/18/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000249	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000578
MW-21	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	12/08/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-21	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		



TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.  
 TNM 97-17  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L.

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-21	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-22	11/12/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-22	11/17/09	<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-22	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																	
MW-22	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																	
MW-22	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																	
MW-22	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																	
MW-22	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																	
MW-22	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																	
MW-22	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																	
MW-22	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																	
MW-22	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																	
MW-22	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																	
MW-22	12/08/20	Approved NMOCD Plugging and Abandonment																	
MW-23	11/12/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-23	11/17/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-23	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																	
MW-23	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																	
MW-23	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																	
MW-23	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																	
MW-23	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																	
MW-23	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																	
MW-23	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																	
MW-23	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																	
MW-23	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																	
MW-23	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-23	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																	
MW-23	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																	
MW-23	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																	
MW-24	11/12/08	<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-24	11/17/09	<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-24	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																	
MW-24	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																	
MW-24	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																	
MW-24	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																	
MW-24	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																	
MW-24	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																	
MW-24	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																	
MW-24	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																	
MW-24	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																	
MW-24	12/08/20	Approved NMOCD Plugging and Abandonment																	
MW-25	11/12/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185
MW-25	11/17/09	<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-25	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																	
MW-25	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																	
MW-25	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																	
MW-25	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																	
MW-25	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																	
MW-25	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																	
MW-25	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																	
MW-25	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																	
MW-25	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-25	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-25	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-25	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-25	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	11/12/08	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000312	<0.000185	0.000308	<0.000185	<0.000185	0.000204	<0.000185	0.000471
MW-26	11/18/09	<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-26	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	12/08/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-26	11/09/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-27	11/12/08	<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-27	11/17/09	<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-27	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-27	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-27	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-27	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.  
 TNM 97-17  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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-27	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-27	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-27	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-27	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-27	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-27	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-27	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-27	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-27	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	11/12/08	<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-28	11/18/09	<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-28	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	12/14/11	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	12/06/12	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	11/18/15	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	11/12/18	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	12/09/20	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																		
MW-28	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																		
RW-1	11/12/08	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	<0.0184	0.023	<0.0184	<0.0184	0.0941	<0.0184	<0.0184

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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	0.0004 mg/L	0.001 mg/L	0.001 mg/L		0.03 mg/L		--		
RW-1	11/18/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<b>0.00771</b>	<0.000922	<b>0.00884</b>	<0.000922	<0.000922	0.0262	<0.000922	0.00722
RW-1	11/11/10	Not Sampled Due to Presence of PSH.																			
RW-1	12/14/11	Not Sampled due to the presence of PSH.																			
RW-1	12/06/12	Not Sampled due to the presence of PSH.																			
RW-1	11/21/13	<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	<b>0.0244</b>	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	
RW-1	11/19/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	
RW-1	11/18/15	<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	
RW-1	11/08/16	Not Sampled as part of Quarterly Monitoring Event.																			
RW-1	11/14/17	Not Sampled as part of Quarterly Monitoring Event.																			
RW-1	11/13/18	Not Sampled as part of Quarterly Monitoring Event.																			
RW-1	11/06/19	Not Sampled as part of Quarterly Monitoring Event.																			
RW-1	12/10/20	Not Sampled as part of Quarterly Monitoring Event.																			
RW-1	12/06/21	Not Sampled as part of Quarterly Monitoring Event.																			
RW-1	11/10/22	Not Sampled as part of Quarterly Monitoring Event.																			
RW-2	11/12/08	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<b>0.00424</b>	<0.00184	<b>0.00488</b>	<0.00184	<0.00184	0.00552	<0.00184	0.00476	
RW-2	11/18/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<b>0.001</b>	<0.000184	0.000874	<0.000184	<0.000184	0.00155	<0.000184	0.00146	
RW-2	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																			
RW-2	12/14/11	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<b>0.00344</b>	<0.000183	<0.000183	<0.000183	<0.000183	0.00275	
RW-2	12/06/12																				
RW-2	11/21/13	Not Sampled Due to Low Water Levels																			
RW-2	11/19/14	Plugged and Abandoned																			
RW-3	11/12/08	<0.000922	<0.000922	0.000931	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<b>0.00212</b>	<0.000922	0.000922	<0.000922	0.000993	0.00787	<0.000922	0.0021	
RW-3	11/18/09	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000906	<0.000185	<0.000185	<0.000185	0.00132	0.00526	<0.000185	0.00101	
RW-3	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																			
RW-3	12/14/11	<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	0.00364	<0.000184	0.00126	
RW-3	12/06/12	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	<0.000948	0.0076	<0.000948	<0.000948	

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.

TNM 97-17

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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		--	
RW-3	11/21/13	Not Sampled as part of Quarterly Monitoring Event.																		
RW-3	11/19/14	Not Sampled as part of Quarterly Monitoring Event.																		
RW-3	11/18/15	<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	<b>0.118</b>	<b>0.322</b>	<0.000200	<0.000200
RW-3	11/09/16	<0.000200	<0.000200	<0.000200	<0.000721*	<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
RW-3	11/14/17	0.000203	0.000201	0.000192	<0.000165	<0.000165	<0.000165	<0.000165	<0.000165	<0.000165	<0.000165	0.000622	<0.000165	<0.000165	<0.000165	<0.000165	<0.000330		0.000568	
RW-3	11/13/18	<0.00010	0.00016	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00012	<0.00010	<0.00010	<0.00010	0.00672		0.00023		
RW-3	11/13/19	<0.000097	0.00020	0.00016	<0.000097	<0.000097	0.000099	<0.000097	<0.000097	<b>0.00056</b>	<0.000097	0.00014	0.00055	<0.000097	0.00035	0.00018	0.00307		0.00051	
RW-3	12/10/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0042		<0.0010	
RW-3	12/07/21	0.00085	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0018		0.00095	
RW-3	11/10/22	0.0011	0.00021	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00174		-	
RW-4	11/12/08	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<b>0.00391</b>	<0.00184	<b>0.00442</b>	<0.00184	0.00766	0.0201	0.00836	0.00372	
RW-4	11/18/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<b>0.00118</b>	<0.000184	0.000935	<0.000184	0.00989	0.0168	0.00425	0.00144	
RW-4	11/11/10	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<b>0.00154</b>	<0.000184	0.000887	0.00489	0.000475	0.00111	
RW-4	12/14/11	<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	<b>0.00161</b>	<0.000184	0.00261	0.0106	<0.000184	0.00166
RW-4	12/06/12	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	0.00666	<0.000962	0.00583	0.0166	0.00838	<0.000962
RW-4	11/21/13	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<b>0.0234</b>	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<b>0.0172</b>	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200
RW-4	11/19/14	Not Sampled due to the presence of PSH.																		
RW-4	11/18/15	<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	<b>3.07</b>	<0.000200	0.0276
RW-4	11/09/16	<0.000200	<0.000200	<0.000200	<0.000721*	<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
RW-4	11/14/17	0.000779	0.000502	<0.000168	<b>0.000441</b>	<0.000168	<0.000168	<0.000168	<0.000168	<b>0.000281</b>	<0.000168	<b>0.00230</b>	<0.000168	<b>0.00279</b>	0.000515	0.000822			0.00196	
RW-4	11/13/18	<0.00010	0.00031	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00065	<0.00010	0.00053	<0.00010	0.00981			0.00095	
RW-4	11/13/19	0.0014	0.0021	<0.000098	<b>0.0013</b>	<0.000098	0.00061	<0.000098	0.00020	<b>0.0042</b>	<0.000098	<b>0.0013</b>	<b>0.0094</b>	<0.000098	<b>0.026</b>	<b>0.0016</b>	<b>0.06110</b>		0.017	
RW-4	12/10/20	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<b>0.0014</b>	<0.0010	0.0115		0.0014	
RW-4	12/06/21	<0.0010	0.0021	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<b>0.0011</b>	<0.00010	<0.00010	<b>0.0081</b>	<0.00010	<b>0.0051</b>	<0.00010	<b>0.0845</b>		0.0040	
RW-4	11/11/22	<0.0011	0.0055	<b>0.017</b>	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<b>0.022</b>	<0.0011	<b>0.0094</b>	<0.0011	<0.0011	<b>0.039</b>	<0.0011	<b>0.1123</b>		-	
RW-5	11/12/08	<0.00184	<0.00184	0.00472	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<b>0.00466</b>	<0.00184	<b>0.0172</b>	<b>0.0266</b>	<b>0.0192</b>	<0.00184	

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TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.  
TNM 97-17  
LEA COUNTY, NEW MEXICO  
NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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	0.0004 mg/L	0.001 mg/L	0.001 mg/L		0.03 mg/L		--		
RW-5	11/18/09	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<b>0.00522</b>	<0.000926	<b>0.00683</b>	<0.000926	<b>0.0107</b>	<b>0.0461</b>	<b>0.0236</b>	0.00484
RW-5	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																			
RW-5	12/14/11	Not Sampled due to the presence of PSH.																			
RW-5	12/06/12	Not Sampled due to the presence of PSH.																			
RW-5	11/21/13	Not Sampled due to the presence of PSH.																			
RW-5	11/19/14	Not Sampled due to the presence of PSH.																			
RW-5	11/18/15	<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	
RW-5	11/08/16	<0.000200	<0.000200	<0.000200	<0.0000721*	<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	
RW-5	11/14/17	0.000236	0.000239	0.000259	<b>0.000206</b>	<0.000166	<0.000166	<0.000166	<0.000166	<0.000166	<0.000166	<b>0.00123</b>	<0.000166	<b>0.00114</b>	<0.000166		0.000918		0.00126		
RW-5	11/13/18	0.00011	0.00038	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.001	<0.00010	0.00095	<0.00010		<b>0.0355</b>		0.0011		
RW-5	11/13/19	0.00097	0.0013	<0.000097	<0.000097	<0.000097	0.00044	<0.000097	0.00021	<b>0.0030</b>	<0.000097	0.00099	<b>0.0074</b>	<0.000097	<b>0.023</b>	<b>0.0021</b>		<b>0.0735</b>	0.0076		
RW-5	12/10/20	<0.0010	<0.0010	<0.0010	<b>&lt;0.0010</b>	<b>&lt;0.0010</b>	<0.0010	<0.0010	<0.0010	<b>&lt;0.0010</b>	<b>&lt;0.0010</b>	<0.0010	<b>0.0014</b>	<b>&lt;0.0010</b>	<b>0.0011</b>	<0.0010		0.0185	0.0020		
RW-5	12/06/21	0.0040	0.0011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<b>0.00045</b>	<0.00010	<0.00010	<b>0.0025</b>	<0.00010	<b>0.0019</b>	<0.00010		0.0229	0.0036		
RW-5	11/11/22	Not Sampled due to the presence of PSH.																			
RW-6	11/12/08	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<b>0.0106</b>	<0.00184	<b>0.011</b>	<0.00184	<0.00184	<b>0.0381</b>	<b>0.0245</b>	0.00901	
RW-6	11/18/09	<0.00463	<0.00463	<0.00463	<0.00463	<0.00463	<0.00463	<0.00463	<0.00463	<0.00463	<0.00463	<0.00463	<b>0.0748</b>	<0.00463	<b>0.107</b>	<0.00463	<b>0.0222</b>	<b>0.413</b>	<b>0.0617</b>	0.0690	
RW-6	11/11/10	Not Sampled as part of Quarterly Monitoring Event.																			
RW-6	12/14/11	Not Sampled due to the presence of PSH.																			
RW-6	12/06/12	Not Sampled due to the presence of PSH.																			
RW-6	11/21/13	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<b>0.0166</b>	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200		
RW-6	11/19/14	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	<b>0.112</b>	<0.000200	<0.000200		
RW-6	11/18/15	<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	<b>1.08</b>	<0.000200	<0.000200		
RW-6	11/18/16	<0.000200	<0.000200	<0.000200	<0.0000721*	<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		
RW-6	11/14/17	0.000787	0.000754	0.00078	<b>0.000581</b>	<0.000169	<0.000169	<0.000169	<0.000169	<b>0.000277</b>	<0.000169	0.000267	<b>0.00242</b>	<0.000169	<b>0.00197</b>	0.000369		<0.000338	0.00211		
RW-6	11/13/18	0.00011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<b>0.00043</b>	<0.00010	0.00022	<0.00010		0.00322	0.00045		
RW-6	11/13/19	0.00078	0.0015	0.0021	<b>0.00049</b>	<0.000096	0.00030	<0.000096	0.00018	<b>0.0031</b>	<0.000096	0.00088	<b>0.0084</b>	<0.000096	<b>0.016</b>	0.00036		0.0255	0.0066		
RW-6	12/10/20	<0.0010	<0.0010	<0.0010	<b>&lt;0.0010</b>	<b>&lt;0.0010</b>	<0.0010	<0.0010	<0.0010	<b>&lt;0.0010</b>	<b>&lt;0.0010</b>	<0.0010	<b>0.0022</b>	<b>&lt;0.0010</b>	<b>0.0015</b>	<0.0010		0.0124	0.0027		

TABLE 6

HISTORICAL POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.  
 TNM 97-17  
 LEA COUNTY, NEW MEXICO  
 NMOCD REFERENCE NUMBER AP-017

All water concentrations are reported in mg/L

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		--
RW-6	12/06/21	0.0064	0.0020	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<b>0.0012</b>	<0.00010	<0.00010	<b>0.0056</b>	<0.00010	<b>0.0026</b>	0.00077	0.017		0.0044
RW-6	11.11.22	<0.0010	0.0014	<0.0010	<b>&lt;0.0010</b>	<b>&lt;0.0010</b>	<0.0010	<0.0010	<0.0010	<b>&lt;0.0010</b>	<b>&lt;0.0010</b>	<0.0010	<0.0010	<b>&lt;0.0010</b>	<b>0.011</b>	<0.0010	<b>0.472</b>		-

\* = Sample Detection Limit (SDL)



TABLE 7

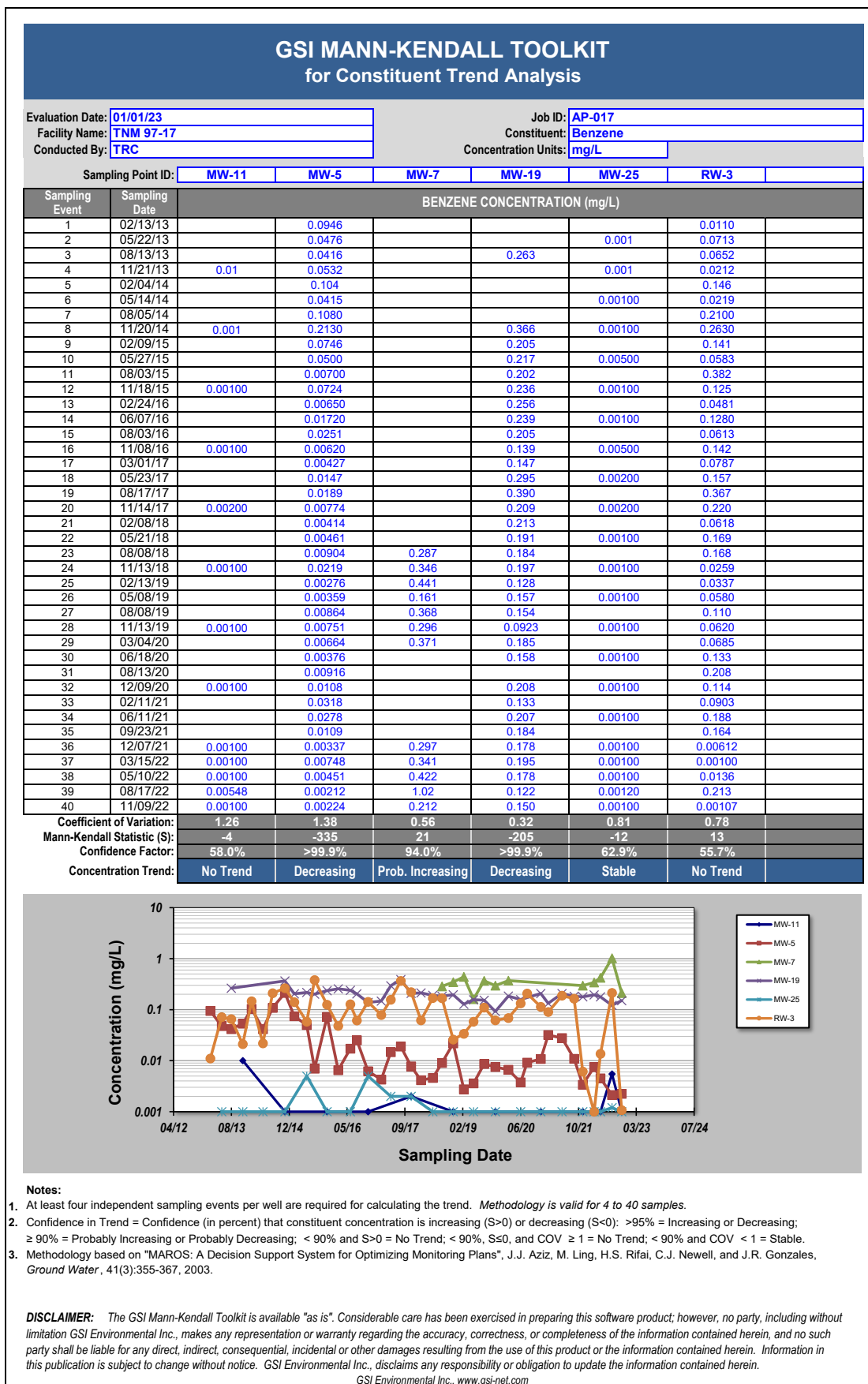


TABLE 8

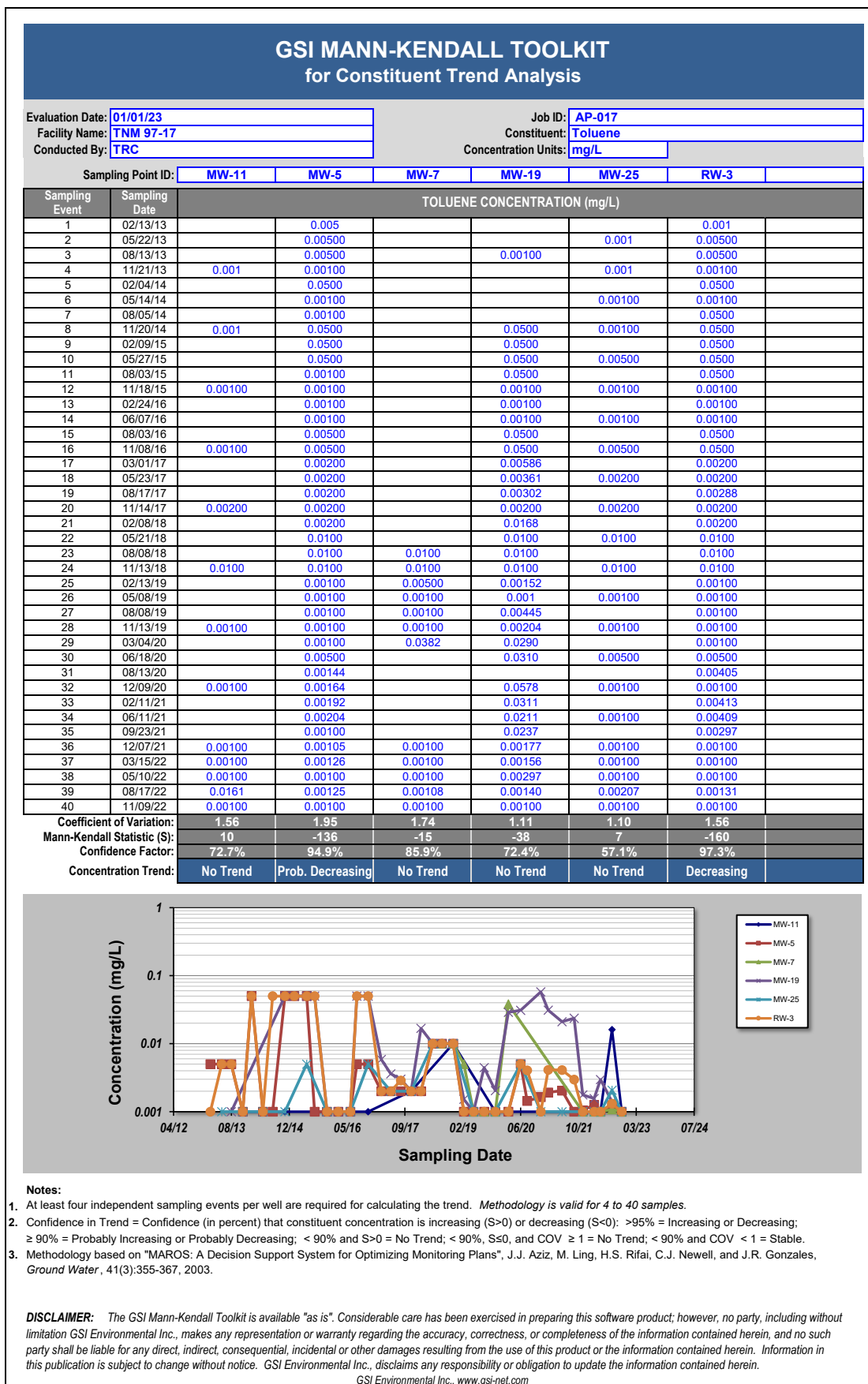


TABLE 9

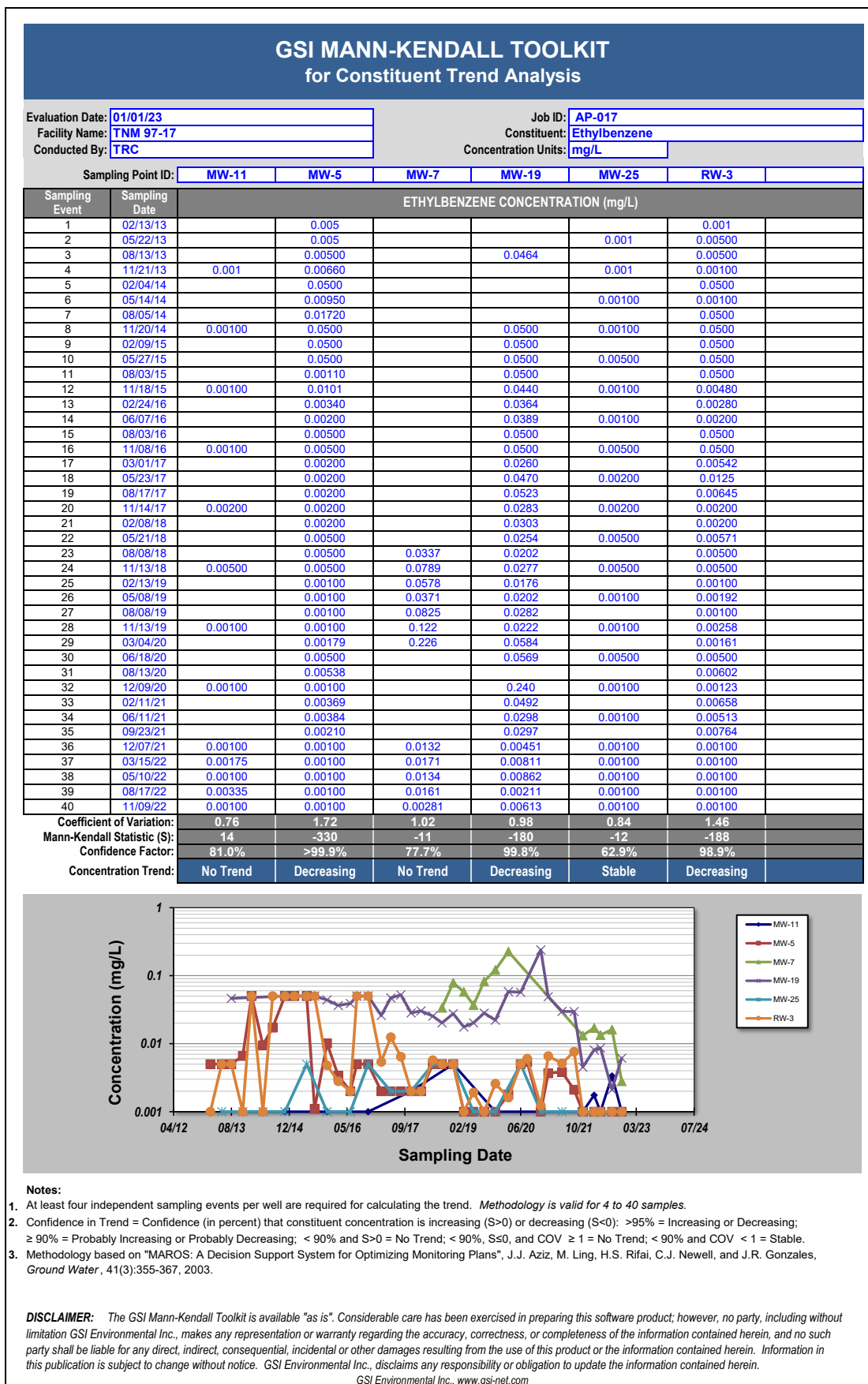


TABLE 10

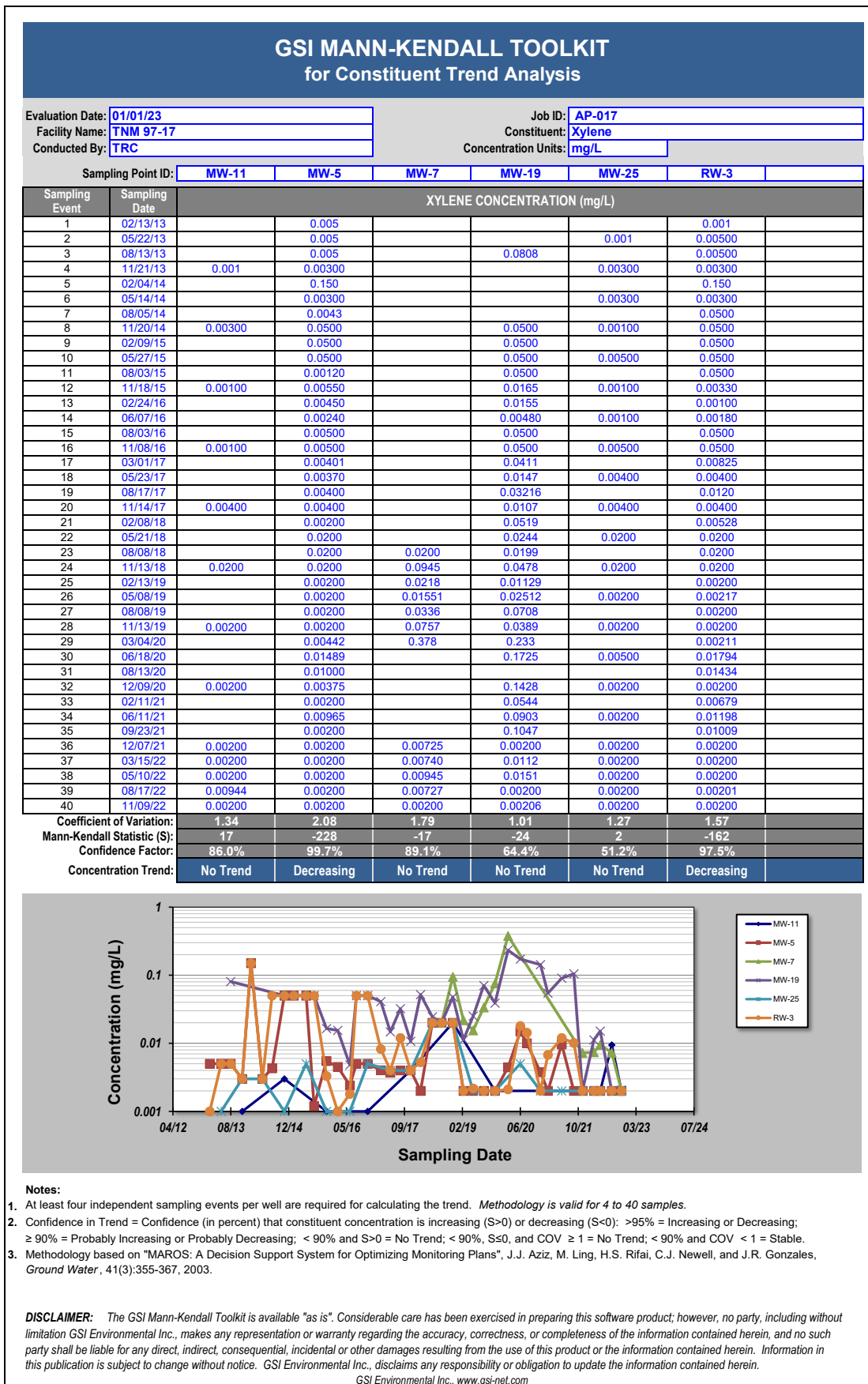


TABLE 11

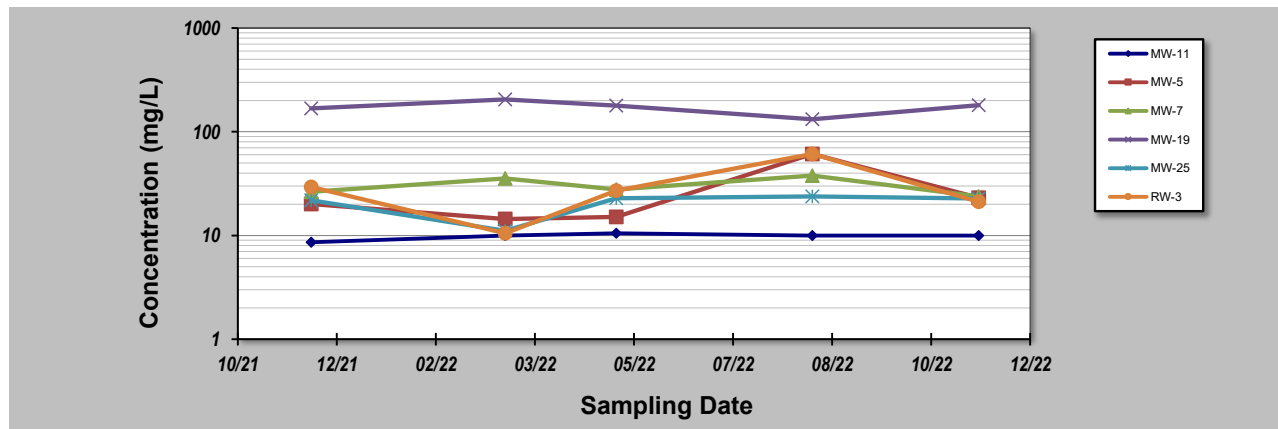
## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: <b>01/01/23</b>	Job ID: <b>AP-017</b>
Facility Name: <b>TNM 97-17</b>	Constituent: <b>Total Organic Carbon (TOC)</b>
Conducted By: <b>TRC</b>	Concentration Units: <b>mg/L</b>

Sampling Point ID:	<b>MW-11</b>	<b>MW-5</b>	<b>MW-7</b>	<b>MW-19</b>	<b>MW-25</b>	<b>RW-3</b>	
--------------------	--------------	-------------	-------------	--------------	--------------	-------------	--

Sampling Event	Sampling Date	TOTAL ORGANIC CARBON (TOC) CONCENTRATION (mg/L)					
1	12/07/21	8.60	20.1	26.4	168	21.8	29.3
2	03/15/22	10.0	14.4	35.5	205	11.1	10.5
3	05/10/22	10.5	15.1	27.8	179	22.8	27.1
4	08/17/22	10.0	61.1	37.8	132	23.8	61.1
5	11/09/22	10.0	23.1	23.8	180	22.7	21.2
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7							
8							
9							
10							
11							
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20							

Coefficient of Variation:	0.07	0.73	0.20	0.15	0.26	0.63
Mann-Kendall Statistic (S):	3	4	0	0	4	0
Confidence Factor:	67.5%	75.8%	40.8%	40.8%	75.8%	40.8%
Concentration Trend:	No Trend	No Trend	Stable	Stable	No Trend	Stable



**Notes:**

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

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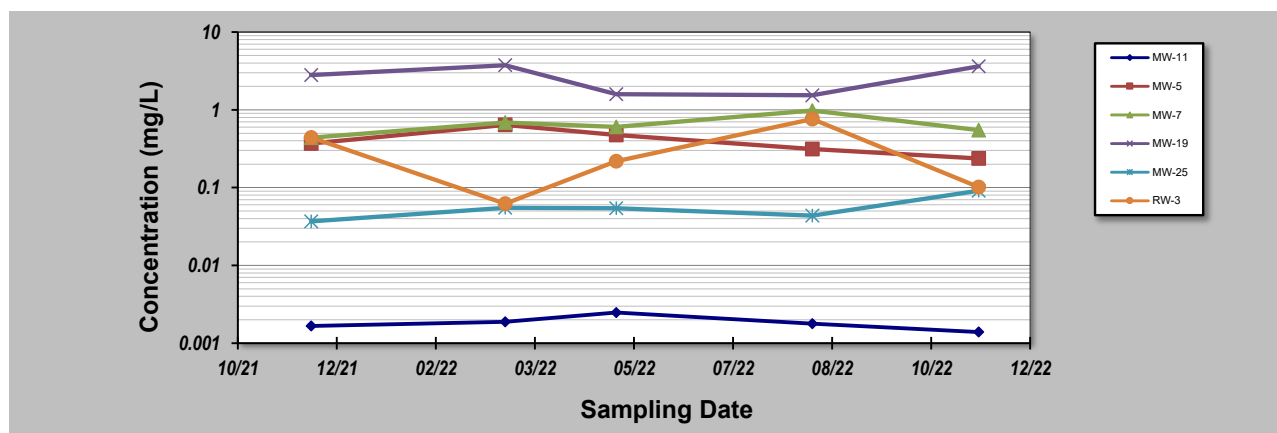
TABLE 12

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: <b>01/01/23</b>	Job ID: <b>AP-017</b>
Facility Name: <b>TNM 97-17</b>	Constituent: <b>Dissolved Methane (RSK-175)</b>
Conducted By: <b>TRC</b>	Concentration Units: <b>mg/L</b>

Sampling Point ID: **MW-11**    **MW-5**    **MW-7**    **MW-19**    **MW-25**    **RW-3**

Sampling Event	Sampling Date	DISSOLVED METHANE (RSK-175) CONCENTRATION (mg/L)					
		MW-11	MW-5	MW-7	MW-19	MW-25	RW-3
1	12/07/21	0.00167	0.369	0.438	2.80	0.0368	0.442
2	03/15/22	0.00188	0.640	0.686	3.74	0.0552	0.0621
3	05/10/22	0.00248	0.476	0.605	1.59	0.0542	0.219
4	08/17/22	0.00178	0.314	0.980	1.54	0.0436	0.761
5	11/09/22	0.00139	0.237	0.549	3.62	0.0912	0.102
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10							
11							
12							
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15							
16							
17							
18							
19							
20							
<b>Coefficient of Variation:</b>		0.22	0.38	0.31	0.40	0.37	0.91
<b>Mann-Kendall Statistic (S):</b>		-2	-6	2	-2	4	0
<b>Confidence Factor:</b>		59.2%	88.3%	59.2%	59.2%	75.8%	40.8%
<b>Concentration Trend:</b>		Stable	Stable	No Trend	Stable	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; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
  - 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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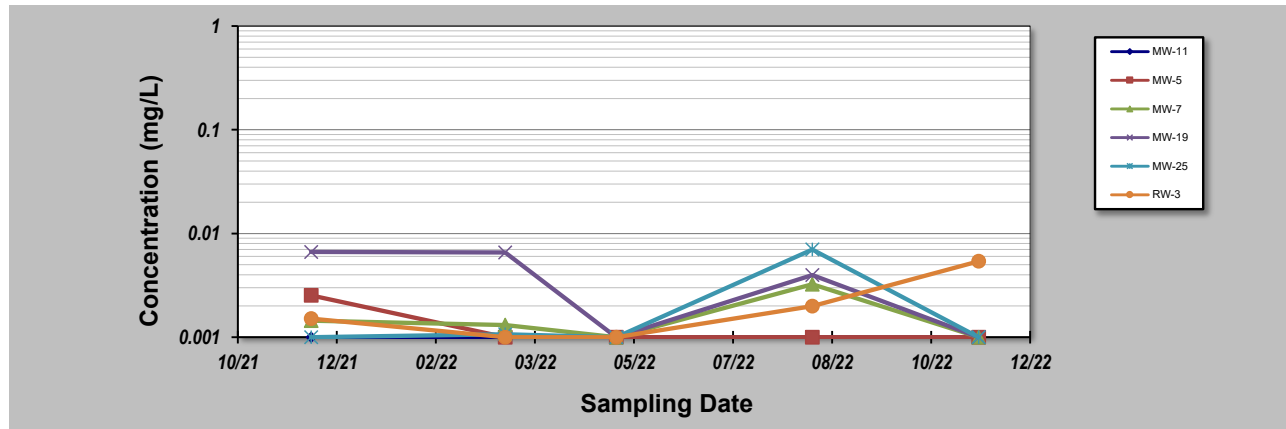
TABLE 13

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: <b>01/01/23</b>	Job ID: <b>AP-017</b>
Facility Name: <b>TNM 97-17</b>	Constituent: <b>Dissolved Ethane (RSK-175)</b>
Conducted By: <b>TRC</b>	Concentration Units: <b>mg/L</b>

Sampling Point ID: **MW-11**    **MW-5**    **MW-7**    **MW-19**    **MW-25**    **RW-3**

Sampling Event	Sampling Date	DISSOLVED ETHANE (RSK-175) CONCENTRATION (mg/L)					
		MW-11	MW-5	MW-7	MW-19	MW-25	RW-3
1	12/07/21	0.00100	0.00253	0.00144	0.00664	0.00100	0.00151
2	03/15/22	0.00100	0.00100	0.00131	0.00855	0.00107	0.00100
3	05/10/22	0.00100	0.00100	0.00100	0.00100	0.00100	0.00100
4	08/17/22	0.00100	0.00100	0.00324	0.00398	0.00700	0.00199
5	11/09/22	0.00100	0.00100	0.00100	0.00100	0.00100	0.00539
6							
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11							
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14							
15							
16							
17							
18							
19							
20							
<b>Coefficient of Variation:</b>		0.00	0.52	0.59	0.73	1.21	0.85
<b>Mann-Kendall Statistic (S):</b>		0	-4	-3	-7	1	5
<b>Confidence Factor:</b>		40.8%	75.8%	67.5%	92.1%	50.0%	82.1%
<b>Concentration Trend:</b>		Stable	Stable	Stable	Prob. Decreasing	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; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- 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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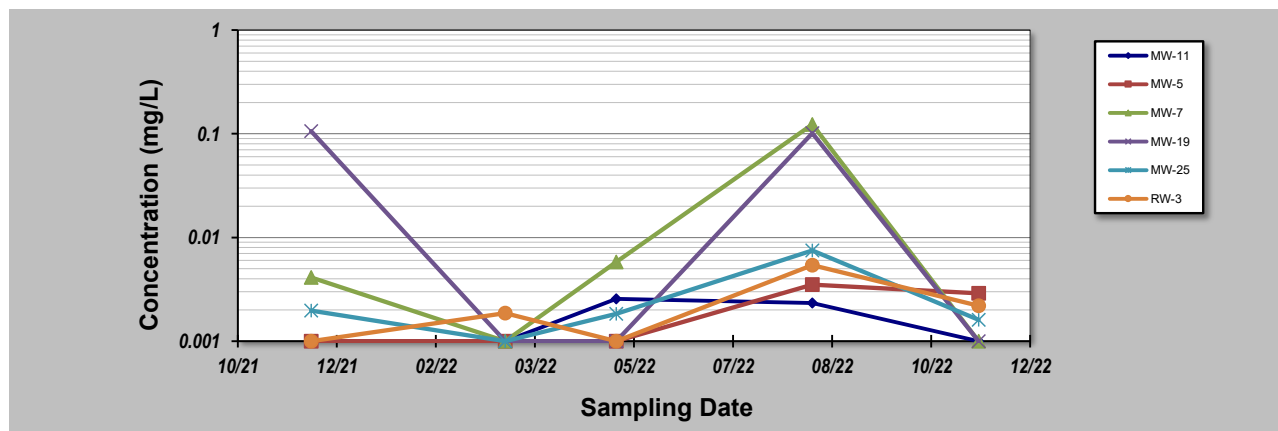
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TABLE 14

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: **01/01/23** Job ID: **AP-017**  
 Facility Name: **TNM 97-17** Constituent: **Dissolved Ethene (RSK-175)**  
 Conducted By: **TRC** Concentration Units: **mg/L**

Sampling Point ID:		MW-11	MW-5	MW-7	MW-19	MW-25	RW-3	
Sampling Event	Sampling Date	DISSOLVED ETHENE (RSK-175) CONCENTRATION (mg/L)						
1	12/07/21	0.00100	0.00100	0.00411	0.106	0.00197	0.00100	
2	03/15/22	0.00100	0.00100	0.00100	0.00100	0.00100	0.00186	
3	05/10/22	0.00256	0.00100	0.00579	0.00100	0.00184	0.00100	
4	08/17/22	0.00233	0.00351	0.123	0.101	0.00749	0.00541	
5	11/09/22	0.00100	0.00290	0.00100	0.00100	0.00161	0.00219	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
<b>Coefficient of Variation:</b>		0.50	0.65	1.99	1.34	0.96	0.79	
<b>Mann-Kendall Statistic (S):</b>		1	5	1	-3	0	5	
<b>Confidence Factor:</b>		50.0%	82.1%	50.0%	67.5%	40.8%	82.1%	
<b>Concentration Trend:</b>		No Trend	No Trend	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; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- 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 15

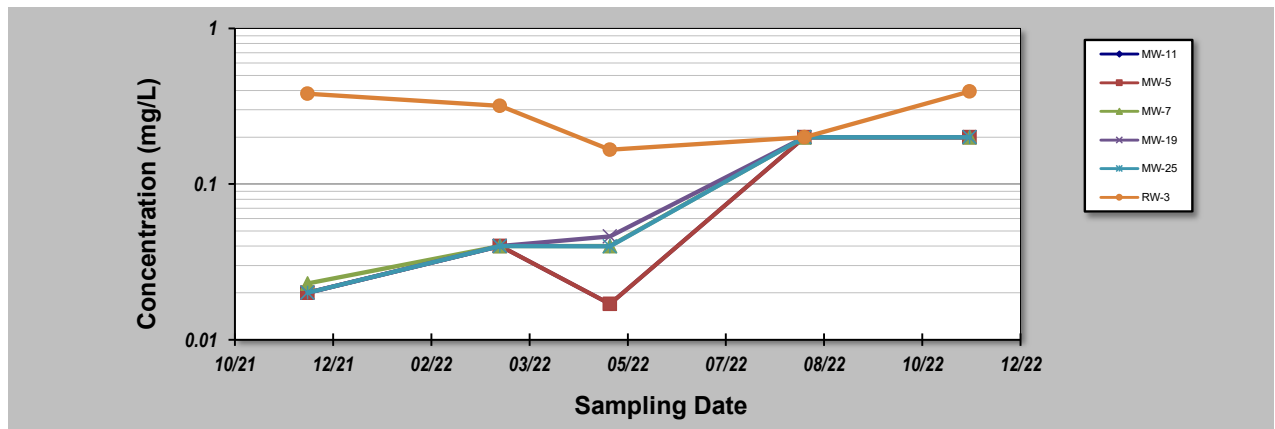
## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: **01/01/23** Job ID: **AP-017**  
 Facility Name: **TNM 97-17** Constituent: **Total Iron (filtered)**  
 Conducted By: **TRC** Concentration Units: **mg/L**

Sampling Point ID: **MW-11** **MW-5** **MW-7** **MW-19** **MW-25** **RW-3**

Sampling Event	Sampling Date	TOTAL IRON (FILTERED) CONCENTRATION (mg/L)					
		MW-11	MW-5	MW-7	MW-19	MW-25	RW-3
1	12/07/21	0.0200	0.0200	0.0230	0.0200	0.0200	0.381
2	03/15/22	0.0400	0.0400	0.0400	0.0400	0.0400	0.318
3	05/10/22	0.0170	0.0170	0.0399	0.0460	0.0398	0.166
4	08/17/22	0.200	0.200	0.200	0.200	0.200	0.200
5	11/09/22	0.200	0.200	0.200	0.200	0.200	0.3946
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Coefficient of Variation:	1.01	1.01	0.90	0.90	0.92	0.36
Mann-Kendall Statistic (S):	5	5	7	9	7	0
Confidence Factor:	82.1%	82.1%	92.1%	97.5%	92.1%	40.8%
Concentration Trend:	No Trend	No Trend	Prob. Increasing	Increasing	Prob. Increasing	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; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
  - 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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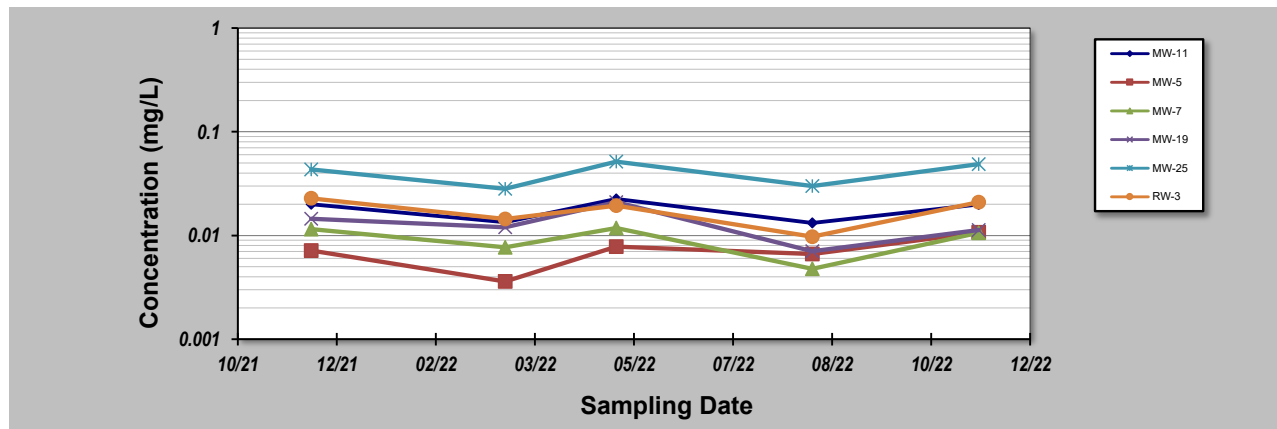
TABLE 16

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: **01/01/23** Job ID: **AP-017**  
 Facility Name: **TNM 97-17** Constituent: **Total Manganese (filtered)**  
 Conducted By: **TRC** Concentration Units: **mg/L**

Sampling Point ID: **MW-11** **MW-5** **MW-7** **MW-19** **MW-25** **RW-3**

Sampling Event	Sampling Date	TOTAL MANGANESE (FILTERED) CONCENTRATION (mg/L)					
1	12/07/21	0.0200	0.00716	0.0115	0.0145	0.0433	0.0228
2	03/15/22	0.0134	0.00360	0.00768	0.0120	0.0282	0.0144
3	05/10/22	0.0225	0.00780	0.0118	0.0210	0.0515	0.0194
4	08/17/22	0.0132	0.00662	0.00477	0.00705	0.0299	0.00974
5	11/09/22	0.0199	0.0107	0.0106	0.0113	0.0487	0.0209
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20							
<b>Coefficient of Variation:</b>		0.24	0.35	0.32	0.39	0.27	0.30
<b>Mann-Kendall Statistic (S):</b>		-2	4	-2	-4	2	-2
<b>Confidence Factor:</b>		59.2%	75.8%	59.2%	75.8%	59.2%	59.2%
<b>Concentration Trend:</b>		Stable	No Trend	Stable	Stable	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; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- 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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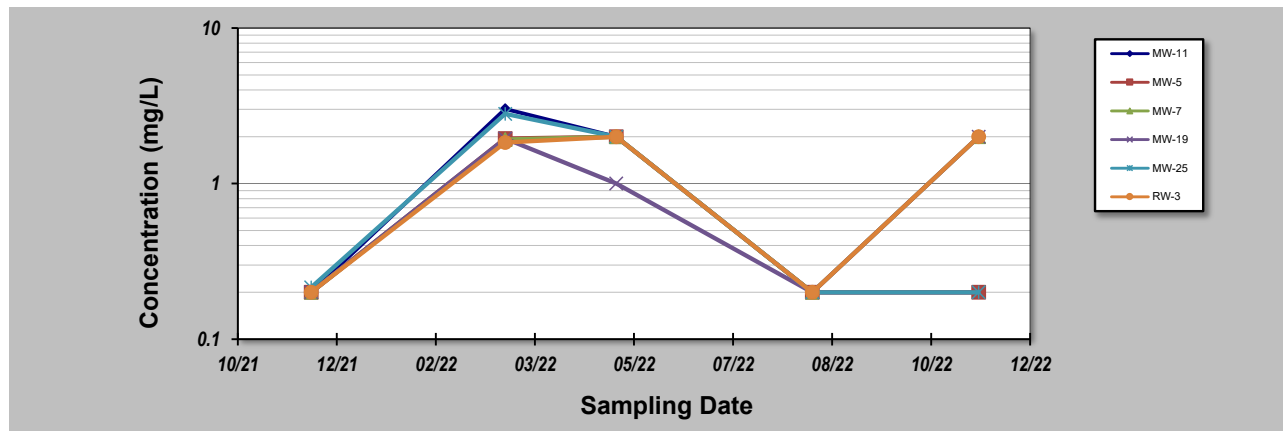
TABLE 17

## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: <b>01/01/23</b>	Job ID: <b>AP-017</b>
Facility Name: <b>TNM 97-17</b>	Constituent: <b>Nitrate</b>
Conducted By: <b>TRC</b>	Concentration Units: <b>mg/L</b>

Sampling Point ID: **MW-11**    **MW-5**    **MW-7**    **MW-19**    **MW-25**    **RW-3**

Sampling Event	Sampling Date	NITRATE CONCENTRATION (mg/L)						
		MW-11	MW-5	MW-7	MW-19	MW-25	RW-3	
1	12/07/21	0.200	0.200	0.200	0.200	0.215	0.200	
2	03/15/22	3.02	1.95	1.92	1.95	2.81	1.84	
3	05/10/22	2.00	2.00	2.00	1.00	2.00	2.00	
4	08/17/22	0.200	0.200	0.200	0.200	0.200	0.200	
5	11/09/22	0.200	0.200	2.00	2.00	0.200	2.00	
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<b>Coefficient of Variation:</b>		1.17	1.07	0.77	0.83	1.14	0.77	
<b>Mann-Kendall Statistic (S):</b>		-3	-1	4	3	-5	4	
<b>Confidence Factor:</b>		67.5%	50.0%	75.8%	67.5%	82.1%	75.8%	
<b>Concentration Trend:</b>		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; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
  - 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 18

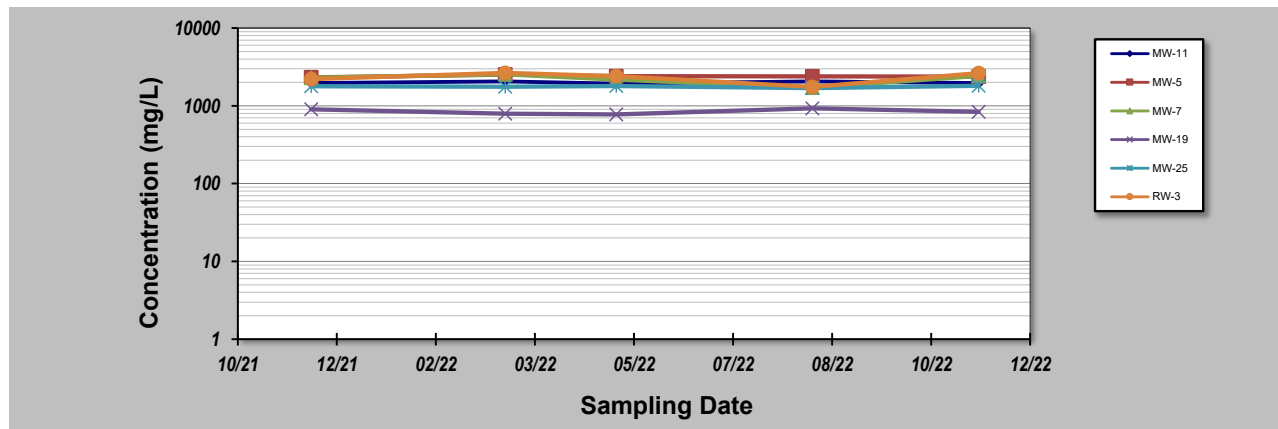
## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: <b>01/01/23</b>	Job ID: <b>AP-017</b>
Facility Name: <b>TNM 97-17</b>	Constituent: <b>Sulfate</b>
Conducted By: <b>TRC</b>	Concentration Units: <b>mg/L</b>

Sampling Point ID: **MW-11**    **MW-5**    **MW-7**    **MW-19**    **MW-25**    **RW-3**

Sampling Event	Sampling Date	SULFATE CONCENTRATION (mg/L)					
		MW-11	MW-5	MW-7	MW-19	MW-25	RW-3
1	12/07/21	1960	2320	2300	899	1790	2210
2	03/15/22	2060	2520	2540	791	1760	2650
3	05/10/22	1930	2410	2180	775	1800	2410
4	08/17/22	2060	2400	1710	929	1690	1750
5	11/09/22	1960	2370	2420	837	1810	2640
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Coefficient of Variation:	0.03	0.03	0.14	0.08	0.03	0.16
Mann-Kendall Statistic (S):	0	-2	-2	0	2	0
Confidence Factor:	40.8%	59.2%	59.2%	40.8%	59.2%	40.8%
Concentration Trend:	Stable	Stable	Stable	Stable	No Trend	Stable



**Notes:**

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

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TABLE 19

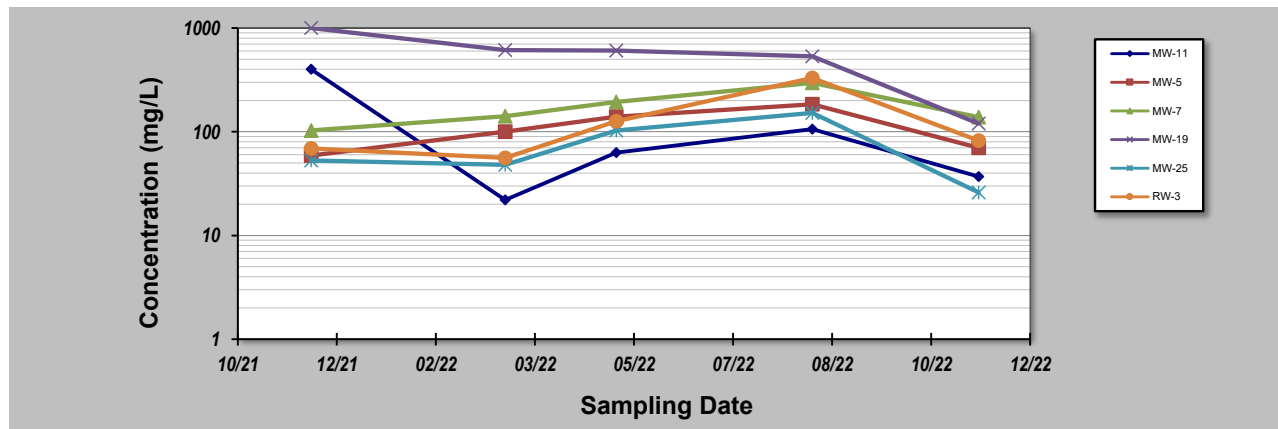
## GSI MANN-KENDALL TOOLKIT for Constituent Trend Analysis

Evaluation Date: **01/01/23** Job ID: **AP-017**  
 Facility Name: **TNM 97-17** Constituent: **Chemical Oxygen Demand (COD)**  
 Conducted By: **TRC** Concentration Units: **mg/L**

Sampling Point ID: **MW-11** **MW-5** **MW-7** **MW-19** **MW-25** **RW-3**

Sampling Event	Sampling Date	CHEMICAL OXYGEN DEMAND (COD) CONCENTRATION (mg/L)					
1	12/07/21	400	59.0	103	1000	53.0	69.0
2	03/15/22	22.0	100	141	612	48.0	56.0
3	05/10/22	63.0	140	194	608	103	126
4	08/17/22	106	184	296	534	152	330
5	11/09/22	37.0	70.0	138	120	26.0	82.0
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Coefficient of Variation:	1.25	0.47	0.43	0.54	0.66	0.86
Mann-Kendall Statistic (S):	-2	4	4	-10	0	4
Confidence Factor:	59.2%	75.8%	75.8%	99.2%	40.8%	75.8%
Concentration Trend:	No Trend	No Trend	No Trend	Decreasing	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; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
- 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:  
2022 Laboratory Analytical Reports**

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



# Analytical Report

**Prepared for:**

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Location: Lea County, NM  
Lab Order Number: 2C16002



**Current Certification**

Report Date: 03/25/22



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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-11	2C16002-01	Water	03/15/22 10:54	03-16-2022 08:10
MW-25	2C16002-02	Water	03/15/22 11:49	03-16-2022 08:10
MW-5	2C16002-03	Water	03/15/22 12:52	03-16-2022 08:10
RW-3	2C16002-04	Water	03/15/22 13:30	03-16-2022 08:10
MW-19	2C16002-05	Water	03/15/22 14:29	03-16-2022 08:10
MW-7	2C16002-06	Water	03/15/22 15:09	03-16-2022 08:10

TOC 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](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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-11**  
**2C16002-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 18:58	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 18:58	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.00175</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 18:58	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 18:58	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 18:58	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.5 %	80-120		P2C1702	03/17/22 10:37	03/17/22 18:58	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	80-120		P2C1702	03/17/22 10:37	03/17/22 18:58	EPA 8021B	
<b>Methane</b>	<b>0.00188</b>	0.000500	mg/L	1	P2C2506	03/23/22 10:08	03/23/22 10:08	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C2506	03/23/22 10:08	03/23/22 10:08	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C2506	03/23/22 10:08	03/23/22 10:08	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>22.0</b>	1.10	mg/L	1	P2C2505	03/25/22 14:46	03/25/22 14:46	8000	
<b>Nitrate as N</b>	<b>3.02</b>	0.200	mg/L	1	P2C1605	03/16/22 14:16	03/16/22 19:11	EPA 300.0	
<b>Sulfate</b>	<b>2060</b>	100	mg/L	100	P2C1605	03/16/22 14:16	03/16/22 16:01	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2C2506	03/23/22 01:34	03/23/22 01:34	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:15	EPA 6010B	
<b>Manganese</b>	<b>0.0134</b>	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:15	EPA 6010B	J

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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-25**  
**2C16002-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 19:19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 19:19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 19:19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 19:19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 19:19	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.9 %	80-120		P2C1702	03/17/22 10:37	03/17/22 19:19	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		103 %	80-120		P2C1702	03/17/22 10:37	03/17/22 19:19	EPA 8021B	
<b>Methane</b>	<b>0.0552</b>	0.00250	mg/L	1	P2C2506	03/23/22 10:19	03/23/22 10:19	8015M	SUB-13
<b>Ethane</b>	<b>0.00107</b>	0.00100	mg/L	1	P2C2506	03/23/22 10:19	03/23/22 10:19	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C2506	03/23/22 10:19	03/23/22 10:19	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>48.0</b>	1.10	mg/L	1	P2C2505	03/25/22 14:46	03/25/22 14:46	8000	
<b>Nitrate as N</b>	<b>2.81</b>	0.200	mg/L	1	P2C1605	03/16/22 14:16	03/16/22 20:08	EPA 300.0	
<b>Sulfate</b>	<b>1760</b>	100	mg/L	100	P2C1605	03/16/22 14:16	03/16/22 16:58	EPA 300.0	
<b>Total Organic Carbon</b>	<b>11.1</b>	10.0	mg/L	1	P2C2506	03/23/22 02:01	03/23/22 02:01	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:19	EPA 6010B	
<b>Manganese</b>	<b>0.0282</b>	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:19	EPA 6010B	J

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.*

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

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-5**  
**2C16002-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.00748</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 19:40	EPA 8021B	
<b>Toluene</b>	<b>0.00126</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 19:40	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 19:40	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 19:40	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 19:40	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.6 %			<i>P2C1702</i>	<i>03/17/22 10:37</i>	<i>03/17/22 19:40</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		100 %			<i>P2C1702</i>	<i>03/17/22 10:37</i>	<i>03/17/22 19:40</i>	<i>EPA 8021B</i>	
<b>Methane</b>	<b>0.640</b>	0.0250	mg/L	1	P2C2506	03/23/22 10:27	03/23/22 10:27	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C2506	03/23/22 10:27	03/23/22 10:27	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C2506	03/23/22 10:27	03/23/22 10:27	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>100</b>	1.10	mg/L	1	P2C2505	03/25/22 14:46	03/25/22 14:46	8000	
<b>Nitrate as N</b>	<b>1.95</b>	0.200	mg/L	1	P2C1605	03/16/22 14:16	03/16/22 20:27	EPA 300.0	
<b>Sulfate</b>	<b>2520</b>	100	mg/L	100	P2C1605	03/16/22 14:16	03/16/22 17:17	EPA 300.0	
<b>Total Organic Carbon</b>	<b>14.4</b>	10.0	mg/L	1	P2C2506	03/23/22 02:14	03/23/22 02:14	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:23	EPA 6010B	
<b>Manganese</b>	<b>0.00360</b>	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:23	EPA 6010B	J

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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**RW-3****2C16002-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.****Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:01	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:01	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:01	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:01	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:01	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.3 %	80-120		P2C1702	03/17/22 10:37	03/17/22 20:01	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		102 %	80-120		P2C1702	03/17/22 10:37	03/17/22 20:01	EPA 8021B	
<b>Methane</b>	<b>0.0621</b>	0.00250	mg/L	1	P2C2506	03/23/22 10:38	03/23/22 10:38	8015M	SUB-13
Ethane	ND	0.00100	mg/L	1	P2C2506	03/23/22 10:38	03/23/22 10:38	8015M	SUB-13
<b>Ethene</b>	<b>0.00186</b>	0.00100	mg/L	1	P2C2506	03/23/22 10:38	03/23/22 10:38	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>56.0</b>	1.10	mg/L	1	P2C2505	03/25/22 14:46	03/25/22 14:46	8000	
<b>Nitrate as N</b>	<b>1.84</b>	0.200	mg/L	1	P2C1605	03/16/22 14:16	03/16/22 20:46	EPA 300.0	
<b>Sulfate</b>	<b>2650</b>	100	mg/L	100	P2C1605	03/16/22 14:16	03/16/22 17:36	EPA 300.0	
<b>Total Organic Carbon</b>	<b>10.5</b>	10.0	mg/L	1	P2C2506	03/23/22 02:27	03/23/22 02:27	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

<b>Iron</b>	<b>0.318</b>	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:27	EPA 6010B	
<b>Manganese</b>	<b>0.0144</b>	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:27	EPA 6010B	J

Permian Basin Environmental Lab, L.P.

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 Midland TX, 79705

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-19**  
**2C16002-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.195</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:22	EPA 8021B	
<b>Toluene</b>	<b>0.00156</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:22	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.00811</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:22	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:22	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0112</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	91.6 %		80-120		P2C1702	03/17/22 10:37	03/17/22 20:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	100 %		80-120		P2C1702	03/17/22 10:37	03/17/22 20:22	EPA 8021B	
<b>Methane</b>	<b>3.74</b>	0.100	mg/L	1	P2C2506	03/23/22 10:47	03/23/22 10:47	8015M	SUB-13
<b>Ethane</b>	<b>0.00655</b>	0.00100	mg/L	1	P2C2506	03/23/22 10:47	03/23/22 10:47	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C2506	03/23/22 10:47	03/23/22 10:47	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>612</b>	1.10	mg/L	1	P2C2505	03/25/22 14:46	03/25/22 14:46	8000	
<b>Nitrate as N</b>	<b>1.95</b>	0.200	mg/L	1	P2C1605	03/16/22 14:16	03/16/22 21:05	EPA 300.0	
<b>Sulfate</b>	<b>791</b>	100	mg/L	100	P2C1605	03/16/22 14:16	03/16/22 17:55	EPA 300.0	
<b>Total Organic Carbon</b>	<b>205</b>	10.0	mg/L	1	P2C2506	03/23/22 02:42	03/23/22 02:42	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

<b>Iron</b>	ND	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:31	EPA 6010B	
<b>Manganese</b>	<b>0.0120</b>	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:31	EPA 6010B	J

Permian Basin Environmental Lab, L.P.

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Midland TX, 79705

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-7**  
**2C16002-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.341</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:43	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:43	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0171</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:43	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.00740</b>	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:43	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 20:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	90.0 %	80-120			P2C1702	03/17/22 10:37	03/17/22 20:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	103 %	80-120			P2C1702	03/17/22 10:37	03/17/22 20:43	EPA 8021B	
<b>Methane</b>	<b>0.686</b>	0.0250	mg/L	1	P2C2506	03/23/22 10:55	03/23/22 10:55	8015M	SUB-13
<b>Ethane</b>	<b>0.00131</b>	0.00100	mg/L	1	P2C2506	03/23/22 10:55	03/23/22 10:55	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2C2506	03/23/22 10:55	03/23/22 10:55	8015M	SUB-13

**General Chemistry Parameters by EPA/ Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>141</b>	1.10	mg/L	1	P2C2505	03/25/22 14:46	03/25/22 14:46	8000	
<b>Nitrate as N</b>	<b>1.92</b>	0.200	mg/L	1	P2C1605	03/16/22 14:16	03/16/22 21:24	EPA 300.0	
<b>Sulfate</b>	<b>2540</b>	100	mg/L	100	P2C1605	03/16/22 14:16	03/16/22 18:14	EPA 300.0	
<b>Total Organic Carbon</b>	<b>35.5</b>	10.0	mg/L	1	P2C2506	03/23/22 02:55	03/23/22 02:55	EPA 415.1	SUB-13

**Dissolved Metals by EPA/ Standard Methods**

Iron	ND	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:35	EPA 6010B	
<b>Manganese</b>	<b>0.00768</b>	0.0400	mg/L	1	P2C2207	03/22/22 14:16	03/23/22 11:35	EPA 6010B	J

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
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**Batch P2C1702 - General Preparation (GC)**

**Blank (P2C1702-BLK1)**

Prepared & Analyzed: 03/17/22

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		91.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

**LCS (P2C1702-BS1)**

Prepared & Analyzed: 03/17/22

Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

**LCS Dup (P2C1702-BSD1)**

Prepared & Analyzed: 03/17/22

Benzene	0.104	0.00100	mg/L	0.100		104	80-120	2.65	20	
Toluene	0.108	0.00100	"	0.100		108	80-120	3.18	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	2.81	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	3.61	20	
Xylene (o)	0.107	0.00100	"	0.100		107	80-120	3.96	20	
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

**Calibration Check (P2C1702-CCV1)**

Prepared & Analyzed: 03/17/22

Benzene	0.0998	0.00100	mg/L	0.100		99.8	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120			
Xylene (o)	0.0995	0.00100	"	0.100		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2C1702 - General Preparation (GC)**

**Calibration Check (P2C1702-CCV2)**

Prepared & Analyzed: 03/17/22

Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		110	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		100	80-120			

**Calibration Check (P2C1702-CCV3)**

Prepared: 03/17/22 Analyzed: 03/18/22

Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		92.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.9	80-120			

**Matrix Spike (P2C1702-MS1)**

Source: 2C16002-01

Prepared: 03/17/22 Analyzed: 03/18/22

Benzene	0.123	0.00100	mg/L	0.100	0.000890	123	80-120			QM-05
Toluene	0.115	0.00100	"	0.100	ND	115	80-120			
Ethylbenzene	0.131	0.00100	"	0.100	0.00175	129	80-120			QM-05
Xylene (p/m)	0.249	0.00200	"	0.200	0.00125	124	80-120			QM-05
Xylene (o)	0.118	0.00100	"	0.100	ND	118	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

**Matrix Spike Dup (P2C1702-MSD1)**

Source: 2C16002-01

Prepared: 03/17/22 Analyzed: 03/18/22

Benzene	0.129	0.00100	mg/L	0.100	0.000890	128	80-120	4.17	20	QM-05
Toluene	0.116	0.00100	"	0.100	ND	116	80-120	0.977	20	
Ethylbenzene	0.133	0.00100	"	0.100	0.00175	131	80-120	1.92	20	QM-05
Xylene (p/m)	0.256	0.00200	"	0.200	0.00125	127	80-120	2.70	20	QM-05
Xylene (o)	0.123	0.00100	"	0.100	ND	123	80-120	4.13	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.6	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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2C1605 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2C1605-BLK1)** Prepared & Analyzed: 03/16/22

Nitrate as N	ND	0.200	mg/L							
Sulfate	ND	1.00	"							

**LCS (P2C1605-BS1)** Prepared & Analyzed: 03/16/22

Nitrate as N	3.95		mg/L	4.00		98.8	90-110			
Sulfate	42.7		"	40.0		107	90-110			

**LCS Dup (P2C1605-BSD1)** Prepared & Analyzed: 03/16/22

Sulfate	42.4		mg/L	40.0		106	90-110	0.653	10	
Nitrate as N	3.94		"	4.00		98.6	90-110	0.253	10	

**Calibration Check (P2C1605-CCV1)** Prepared & Analyzed: 03/16/22

Sulfate	20.9		mg/L	20.0		104	90-110			
Nitrate as N	1.95		"	2.00		97.7	90-110			

**Calibration Check (P2C1605-CCV2)** Prepared & Analyzed: 03/16/22

Nitrate as N	1.99		mg/L	2.00		99.7	90-110			
Sulfate	21.1		"	20.0		106	90-110			

**Matrix Spike (P2C1605-MS1)** Source: 2C16002-01 Prepared & Analyzed: 03/16/22

Sulfate	27.4	1.00	mg/L	200	2060	NR	80-120			QM-05
Nitrate as N	ND	0.200	"	20.0	3.02	NR	80-120			QM-05

**Matrix Spike (P2C1605-MS2)** Source: 2C16002-01 Prepared & Analyzed: 03/16/22

Sulfate	ND	1.00	mg/L	2.00	2060	NR	80-120			QM-05
Nitrate as N	3.19	0.200	"	0.200	3.02	89.5	80-120			

**Matrix Spike Dup (P2C1605-MSD1)** Source: 2C16002-01 Prepared & Analyzed: 03/16/22

Nitrate as N	ND	0.200	mg/L	20.0	3.02	NR	80-120		20	QM-05
Sulfate	28.5	1.00	"	200	2060	NR	80-120		20	QM-05

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
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**Batch P2C1605 - \*\*\* DEFAULT PREP \*\*\***

<b>Matrix Spike Dup (P2C1605-MSD2)</b>	<b>Source: 2C16002-01</b>			<b>Prepared &amp; Analyzed: 03/16/22</b>						
Sulfate	ND	1.00	mg/L	2.00	2060	NR	80-120		20	QM-05
Nitrate as N	3.21	0.200	"	0.200	3.02	95.5	80-120	0.375	20	

**Batch P2C2505 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P2C2505-BLK1)</b>	<b>Prepared &amp; Analyzed: 03/25/22</b>									
Chemical Oxygen Demand	ND	1.10	mg/L							

<b>Blank (P2C2505-BLK2)</b>	<b>Prepared &amp; Analyzed: 03/25/22</b>									
Chemical Oxygen Demand	ND	1.10	mg/L							

<b>LCS (P2C2505-BS1)</b>	<b>Prepared &amp; Analyzed: 03/25/22</b>									
Chemical Oxygen Demand	97.0	1.10	mg/L	100		97.0	80-120			

<b>LCS (P2C2505-BS2)</b>	<b>Prepared &amp; Analyzed: 03/25/22</b>									
Chemical Oxygen Demand	1060	1.10	mg/L	1000		106	80-120			

<b>LCS Dup (P2C2505-BSD1)</b>	<b>Prepared &amp; Analyzed: 03/25/22</b>									
Chemical Oxygen Demand	103	1.10	mg/L	100		103	80-120	6.00	20	

<b>LCS Dup (P2C2505-BSD2)</b>	<b>Prepared &amp; Analyzed: 03/25/22</b>									
Chemical Oxygen Demand	1090	1.10	mg/L	1000		109	80-120	2.60	20	

<b>Duplicate (P2C2505-DUP1)</b>	<b>Source: 2C16002-01</b>			<b>Prepared &amp; Analyzed: 03/25/22</b>						
Chemical Oxygen Demand	24.0	1.10	mg/L		22.0			8.70	20	

<b>Duplicate (P2C2505-DUP2)</b>	<b>Source: 2C18004-01</b>			<b>Prepared &amp; Analyzed: 03/25/22</b>						
Chemical Oxygen Demand	5320	11.0	mg/L		5200			2.28	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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
<b>Batch P2C2505 - *** DEFAULT PREP ***</b>										
<b>Matrix Spike (P2C2505-MS1)</b>		<b>Source: 2C16002-01</b>			<b>Prepared &amp; Analyzed: 03/25/22</b>					
Chemical Oxygen Demand	150	1.10	mg/L	100	22.0	128	80-120			QM-05
<b>Matrix Spike (P2C2505-MS2)</b>		<b>Source: 2C18004-01</b>			<b>Prepared &amp; Analyzed: 03/25/22</b>					
Chemical Oxygen Demand	12400	11.0	mg/L	1000	5200	720	80-120			QM-05
<b>Matrix Spike Dup (P2C2505-MSD1)</b>		<b>Source: 2C16002-01</b>			<b>Prepared &amp; Analyzed: 03/25/22</b>					
Chemical Oxygen Demand	150	1.10	mg/L	100	22.0	128	80-120	0.00	20	QM-05
<b>Matrix Spike Dup (P2C2505-MSD2)</b>		<b>Source: 2C18004-01</b>			<b>Prepared &amp; Analyzed: 03/25/22</b>					
Chemical Oxygen Demand	18300	11.0	mg/L	1000	5200	NR	80-120	38.6	20	QM-05

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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**Dissolved Metals 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
<b>Batch P2C2207 - *** DEFAULT PREP ***</b>										
<b>Blank (P2C2207-BLK1)</b> Prepared: 03/22/22 Analyzed: 03/23/22										
Manganese	ND	0.0400	mg/L							
Iron	ND	0.0400	"							
<b>LCS (P2C2207-BS1)</b> Prepared: 03/22/22 Analyzed: 03/23/22										
Manganese	0.207	0.0400	mg/L	0.200		104	80-120			
Iron	0.408	0.0400	"	0.400		102	80-120			
<b>LCS Dup (P2C2207-BSD1)</b> Prepared: 03/22/22 Analyzed: 03/23/22										
Iron	0.410	0.0400	mg/L	0.400		103	80-120	0.516	20	
Manganese	0.209	0.0400	"	0.200		105	80-120	0.994	20	
<b>Calibration Blank (P2C2207-CCB1)</b> Prepared: 03/22/22 Analyzed: 03/23/22										
Manganese	-0.000577		mg/L							
Iron	-0.0269		"							
<b>Calibration Blank (P2C2207-CCB2)</b> Prepared: 03/22/22 Analyzed: 03/23/22										
Manganese	-0.000643		mg/L							
Iron	-0.0225		"							
<b>Calibration Blank (P2C2207-CCB3)</b> Prepared: 03/22/22 Analyzed: 03/23/22										
Manganese	-0.000629		mg/L							
Iron	-0.0200		"							
<b>Calibration Check (P2C2207-CCV1)</b> Prepared: 03/22/22 Analyzed: 03/23/22										
Manganese	0.213	0.0400	mg/L	0.200		107	80-120			
Iron	0.416	0.0400	"	0.400		104	80-120			
<b>Calibration Check (P2C2207-CCV2)</b> Prepared: 03/22/22 Analyzed: 03/23/22										
Iron	0.419	0.0400	mg/L	0.400		105	80-120			
Manganese	0.197	0.0400	"	0.200		98.6	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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**Dissolved Metals 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
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**Batch P2C2207 - \*\*\* DEFAULT PREP \*\*\***

**Calibration Check (P2C2207-CCV3)**

Prepared: 03/22/22 Analyzed: 03/23/22

Manganese	0.196	0.0400	mg/L	0.200		98.1	80-120			
Iron	0.428	0.0400	"	0.400		107	80-120			

**Matrix Spike (P2C2207-MS1)**

Source: 2C16002-01

Prepared: 03/22/22 Analyzed: 03/23/22

Manganese	0.200	0.0400	mg/L	0.200	0.0134	93.2	75-125			
Iron	0.411	0.0400	"	0.400	ND	103	75-125			

**Matrix Spike Dup (P2C2207-MSD1)**

Source: 2C16002-01

Prepared: 03/22/22 Analyzed: 03/23/22

Manganese	0.198	0.0400	mg/L	0.200	0.0134	92.2	75-125	0.981	20	
Iron	0.408	0.0400	"	0.400	ND	102	75-125	0.793	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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- 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: 3/25/2022

Brent Barron, Laboratory Director/Technical Director

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

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.





CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP  
10014 S. County Road 1213  
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Curt Stanley

Project Name: 97-17

Company Name: TRC Environmental Corporation

Project #: TNM 97-17

Company Address: 10 Dosta Drive, Ste 130E

Project Loc: Lea County, New Mexico

City/State/Zip: Midland/TX/79703

PO #:

Telephone No: (432)5207720

Fax No:

Report Format:

Standard  TRRP  NPDES

Sampler Signature:

e-mail: [cdstanley@trccompanies.com](mailto:cdstanley@trccompanies.com)  
[cibryant@paalp.com](mailto:cibryant@paalp.com)

(lab use only)

Analyze For:

TCIP:   
TOTAL:

ORDER #: 2C16002

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers							Matrix	Analyze For:					RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT				
								Ice	HNO <sub>3</sub>	HCl	H <sub>2</sub> SO <sub>4</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None		Other (Specify)	DW=Drinking Water SL=Sludge	GW=Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	TOC SM 5310			Dissolved 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
1	MW-11			3-15-22	1054	1	12	X	X	X	X					GW	X	X	X	X	X	X	X	X	X	X
2	MW-25				1149	1	12	X	X	X	X					GW	X	X	X	X	X	X	X	X	X	X
3	MW-5				1252	1	12	X	X	X	X					GW	X	X	X	X	X	X	X	X	X	X
4	RW-3				1330	1	12	X	X	X	X					GW	X	X	X	X	X	X	X	X	X	X
5	MW-19				1429	1	12	X	X	X	X					GW	X	X	X	X	X	X	X	X	X	X
6	MW-7				1509	1	12	X	X	X	X					GW	X	X	X	X	X	X	X	X	X	X

Special Instructions:

BILL TO PLAINS

Received by: Date: 3-16-22 Time: 0810

Received by: Date: 3-16-22 Time: 0810

Received by: Date: 3-16-22 Time: 0810

Date: 3/16/22 Time: 8:10

Date: 3/16/22 Time: 8:10

Date: 3/16/22 Time: 8:10

Laboratory Comments:

Sample Containers:  Inadeq?   
VOOCs Free of Headspace?   
Labels on container(s)   
Custody seals on container(s)   
Custody seals on cooler(s)   
Sample Hand Delivered by Sampler/Client Rep?   
Temperature Upon Receipt:  °C  °F  
Adjusted:  °C Factor

Received by:

Received by:

Received by:

23410 33 CFL



DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

### Sample Receipt Checklist

Yes	Notes
<input checked="" type="checkbox"/>	Chain of custody signed/dated/time when relinquished and received?
<input type="checkbox"/>	Sampler's name present on COC?
<input type="checkbox"/>	Sample containers intact?
<input type="checkbox"/>	Samples in proper container/bottle?
<input type="checkbox"/>	All samples received within holding time?
<input type="checkbox"/>	Analysis requested for all samples submitted?
<input type="checkbox"/>	Custody seals intact on shipping container/cooler?

Login Notes:  
 Asorted VOC  
 Poly  
 2C16002



DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

### SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

Client Contacted  
 Name:  
 Date/Time:  
 NC Initiated by: \_\_\_\_\_ Approved by: \_\_\_\_\_



---

10450 Stancliff Rd. Suite 210  
Houston, TX 77099  
T: +1 281 530 5656  
F: +1 281 530 5887

March 24, 2022

Brent Barron  
Permian Basin Environmental Lab, LP  
10014 SCR 1213  
Midland, TX 79706

Work Order: **HS22031013**

Laboratory Results for: **2C16002**

Dear Brent Barron,

ALS Environmental received 6 sample(s) on Mar 18, 2022 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,

A handwritten signature in cursive script that reads "Bernadette Fini".

Generated By: DAYNA.FISHER  
Bernadette A. Fini  
Project Manager

ALS Houston, US

Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP  
Project: 2C16002  
Work Order: HS22031013

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22031013-01	2C16002-01	Water		15-Mar-2022 10:54	18-Mar-2022 09:05	<input type="checkbox"/>
HS22031013-02	2C16002-02	Water		15-Mar-2022 11:49	18-Mar-2022 09:05	<input type="checkbox"/>
HS22031013-03	2C16002-03	Water		15-Mar-2022 12:52	18-Mar-2022 09:05	<input type="checkbox"/>
HS22031013-04	2C16002-04	Water		15-Mar-2022 13:30	18-Mar-2022 09:05	<input type="checkbox"/>
HS22031013-05	2C16002-05	Water		15-Mar-2022 14:29	18-Mar-2022 09:05	<input type="checkbox"/>
HS22031013-06	2C16002-06	Water		15-Mar-2022 15:09	18-Mar-2022 09:05	<input type="checkbox"/>

**ALS Houston, US**

Date: 24-Mar-22

---

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C16002  
**Work Order:** HS22031013

---

**CASE NARRATIVE**

**GC Semivolatiles by Method RSK-175**

**Batch ID: R404799**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
- 

**WetChemistry by Method E415.1**

**Batch ID: R404685**

**Sample ID: 2C16002-01 (HS22031013-01)**

- The reporting limit(s) is/are elevated due to dilution for high concentrations of non-target analytes.
-

**ALS Houston, US**

Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2C16002  
 Sample ID: 2C16002-01  
 Collection Date: 15-Mar-2022 10:54

**ANALYTICAL REPORT**  
 WorkOrder:HS22031013  
 Lab ID:HS22031013-01  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: PPM
Ethane	ND		1.00	ug/L	1	23-Mar-2022 10:08
Ethene	ND		1.00	ug/L	1	23-Mar-2022 10:08
<b>Methane</b>	<b>1.88</b>		<b>0.500</b>	<b>ug/L</b>	1	23-Mar-2022 10:08
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	23-Mar-2022 01:34

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2C16002  
 Sample ID: 2C16002-02  
 Collection Date: 15-Mar-2022 11:49

**ANALYTICAL REPORT**  
 WorkOrder:HS22031013  
 Lab ID:HS22031013-02  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: PPM
Ethane	1.07		1.00	ug/L	1	23-Mar-2022 10:19
Ethene	ND		1.00	ug/L	1	23-Mar-2022 10:19
Methane	55.2		2.50	ug/L	5	23-Mar-2022 12:38
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: JAC
Organic Carbon, Total	11.1		10.0	mg/L	10	23-Mar-2022 02:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2C16002  
 Sample ID: 2C16002-03  
 Collection Date: 15-Mar-2022 12:52

**ANALYTICAL REPORT**  
 WorkOrder:HS22031013  
 Lab ID:HS22031013-03  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: PPM
Ethane	ND		1.00	ug/L	1	23-Mar-2022 10:27
Ethene	ND		1.00	ug/L	1	23-Mar-2022 10:27
<b>Methane</b>	<b>640</b>		<b>25.0</b>	<b>ug/L</b>	50	23-Mar-2022 12:55
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: JAC
<b>Organic Carbon, Total</b>	<b>14.4</b>		<b>10.0</b>	<b>mg/L</b>	10	23-Mar-2022 02:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.



**ALS Houston, US**

Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2C16002  
 Sample ID: 2C16002-04  
 Collection Date: 15-Mar-2022 13:30

**ANALYTICAL REPORT**  
 WorkOrder:HS22031013  
 Lab ID:HS22031013-04  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: PPM
Ethane	ND		1.00	ug/L	1	23-Mar-2022 10:38
<b>Ethene</b>	<b>1.86</b>		<b>1.00</b>	<b>ug/L</b>	1	23-Mar-2022 10:38
<b>Methane</b>	<b>62.1</b>		<b>2.50</b>	<b>ug/L</b>	5	23-Mar-2022 13:04
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: JAC
<b>Organic Carbon, Total</b>	<b>10.5</b>		<b>10.0</b>	<b>mg/L</b>	10	23-Mar-2022 02:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2C16002  
 Sample ID: 2C16002-05  
 Collection Date: 15-Mar-2022 14:29

**ANALYTICAL REPORT**  
 WorkOrder:HS22031013  
 Lab ID:HS22031013-05  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: PPM
Ethane	6.55		1.00	ug/L	1	23-Mar-2022 10:47
Ethene	ND		1.00	ug/L	1	23-Mar-2022 10:47
Methane	3,740		100	ug/L	200	23-Mar-2022 13:12
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: JAC
Organic Carbon, Total	205		10.0	mg/L	10	23-Mar-2022 02:42

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 24-Mar-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2C16002  
 Sample ID: 2C16002-06  
 Collection Date: 15-Mar-2022 15:09

**ANALYTICAL REPORT**

WorkOrder:HS22031013  
 Lab ID:HS22031013-06  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: PPM
Ethane	1.31		1.00	ug/L	1	23-Mar-2022 10:55
Ethene	ND		1.00	ug/L	1	23-Mar-2022 10:55
Methane	686		25.0	ug/L	50	23-Mar-2022 13:24
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: JAC
Organic Carbon, Total	35.5		10.0	mg/L	10	23-Mar-2022 02:55

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 24-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C16002  
**WorkOrder:** HS22031013

**DATES REPORT**

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
<b>Batch ID:</b> R404685 ( 0 )		<b>Test Name :</b> TOTAL ORGANIC CARBON BY E415.1			<b>Matrix:</b> Water	
HS22031013-01	2C16002-01	15 Mar 2022 10:54			23 Mar 2022 01:34	10
HS22031013-02	2C16002-02	15 Mar 2022 11:49			23 Mar 2022 02:01	10
HS22031013-03	2C16002-03	15 Mar 2022 12:52			23 Mar 2022 02:14	10
HS22031013-04	2C16002-04	15 Mar 2022 13:30			23 Mar 2022 02:27	10
HS22031013-05	2C16002-05	15 Mar 2022 14:29			23 Mar 2022 02:42	10
HS22031013-06	2C16002-06	15 Mar 2022 15:09			23 Mar 2022 02:55	10
<b>Batch ID:</b> R404799 ( 0 )		<b>Test Name :</b> DISSOLVED GASES BY RSK-175			<b>Matrix:</b> Water	
HS22031013-01	2C16002-01	15 Mar 2022 10:54			23 Mar 2022 10:08	1
HS22031013-02	2C16002-02	15 Mar 2022 11:49			23 Mar 2022 12:38	5
HS22031013-02	2C16002-02	15 Mar 2022 11:49			23 Mar 2022 10:19	1
HS22031013-03	2C16002-03	15 Mar 2022 12:52			23 Mar 2022 12:55	50
HS22031013-03	2C16002-03	15 Mar 2022 12:52			23 Mar 2022 10:27	1
HS22031013-04	2C16002-04	15 Mar 2022 13:30			23 Mar 2022 13:04	5
HS22031013-04	2C16002-04	15 Mar 2022 13:30			23 Mar 2022 10:38	1
HS22031013-05	2C16002-05	15 Mar 2022 14:29			23 Mar 2022 13:12	200
HS22031013-05	2C16002-05	15 Mar 2022 14:29			23 Mar 2022 10:47	1
HS22031013-06	2C16002-06	15 Mar 2022 15:09			23 Mar 2022 13:24	50
HS22031013-06	2C16002-06	15 Mar 2022 15:09			23 Mar 2022 10:55	1

ALS Houston, US

Date: 24-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C16002  
**WorkOrder:** HS22031013

**QC BATCH REPORT**

**Batch ID:** R404799 ( 0 )      **Instrument:** FID-4      **Method:** DISSOLVED GASES BY RSK-175

<b>MBLK</b>		Sample ID: <b>MBLK-220323</b>		Units: <b>ug/L</b>		Analysis Date: <b>23-Mar-2022 09:45</b>			
Client ID:		Run ID: <b>FID-4_404799</b>		SeqNo: <b>6559176</b>		PrepDate:		DF: <b>1</b>	
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							

<b>LCS</b>		Sample ID: <b>LCS-220323</b>		Units: <b>ug/L</b>		Analysis Date: <b>23-Mar-2022 09:52</b>			
Client ID:		Run ID: <b>FID-4_404799</b>		SeqNo: <b>6559177</b>		PrepDate:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	16.44	1.00	18.04	0	91.1	75 - 125			
Ethene	16.86	1.00	16.8	0	100	75 - 125			
Methane	11.67	0.500	9.647	0	121	75 - 125			

<b>LCSD</b>		Sample ID: <b>LCSD-220323</b>		Units: <b>ug/L</b>		Analysis Date: <b>23-Mar-2022 10:00</b>			
Client ID:		Run ID: <b>FID-4_404799</b>		SeqNo: <b>6559178</b>		PrepDate:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	15.97	1.00	18.04	0	88.5	75 - 125	16.44	2.9	30
Ethene	16.02	1.00	16.8	0	95.4	75 - 125	16.86	5.08	30
Methane	11.29	0.500	9.647	0	117	75 - 125	11.67	3.35	30

The following samples were analyzed in this batch: HS22031013-01    HS22031013-02    HS22031013-03    HS22031013-04  
 HS22031013-05    HS22031013-06

**ALS Houston, US**

Date: 24-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C16002  
**WorkOrder:** HS22031013

**QC BATCH REPORT**

<b>Batch ID:</b> R404685 ( 0 )	<b>Instrument:</b> TOC_04	<b>Method:</b> TOTAL ORGANIC CARBON BY E415.1
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<b>MBLK</b>	Sample ID: <b>MBLK-03222022</b>	Units: <b>mg/L</b>	Analysis Date: <b>23-Mar-2022 00:54</b>							
Client ID:	Run ID: <b>TOC_04_404685</b>	SeqNo: <b>6556212</b>	PrepDate: DF: <b>1</b>							
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

<b>LCS</b>	Sample ID: <b>LCS-03222022</b>	Units: <b>mg/L</b>	Analysis Date: <b>23-Mar-2022 01:08</b>							
Client ID:	Run ID: <b>TOC_04_404685</b>	SeqNo: <b>6556213</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Organic Carbon, Total 9.378 1.00 10 0 93.8 85 - 115

<b>LCSD</b>	Sample ID: <b>LCSD-03222022</b>	Units: <b>mg/L</b>	Analysis Date: <b>23-Mar-2022 01:22</b>							
Client ID:	Run ID: <b>TOC_04_404685</b>	SeqNo: <b>6556214</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Organic Carbon, Total 9.646 1.00 10 0 96.5 85 - 115 9.378 2.82 20

<b>MS</b>	Sample ID: <b>HS22031013-01MS</b>	Units: <b>mg/L</b>	Analysis Date: <b>23-Mar-2022 01:48</b>							
Client ID: <b>2C16002-01</b>	Run ID: <b>TOC_04_404685</b>	SeqNo: <b>6556216</b>	PrepDate: DF: <b>10</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Organic Carbon, Total 108.7 10.0 100 0.2625 108 80 - 120

<b>The following samples were analyzed in this batch:</b>	HS22031013-01	HS22031013-02	HS22031013-03	HS22031013-04
	HS22031013-05	HS22031013-06		

**ALS Houston, US**

Date: 24-Mar-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2C16002  
**WorkOrder:** HS22031013

**QUALIFIERS,  
ACRONYMS, UNITS**

<b>Qualifier</b>	<b>Description</b>
*	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

<b>Acronym</b>	<b>Description</b>
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: 24-Mar-22

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**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

<b>Agency</b>	<b>Number</b>	<b>Expire Date</b>
Arkansas	21-022-0	26-Mar-2022
Florida	E87611-34	30-Jun-2022
Illinois	2000322021-7	09-May-2022
Kansas	E-10352 2021-2022	31-Jul-2022
Kentucky	123043, 2021-2022	30-Apr-2022
Louisiana	03087, 2021-2022	30-Jun-2022
Texas	T104704231-21-28	30-Apr-2022



ALS Houston, US

Date: 24-Mar-22

Sample Receipt Checklist

Work Order ID: HS22031013

Date/Time Received: 18-Mar-2022 09:05

Client Name: Permian Basin Lab

Received by: Pablo Martinez

Completed By: /S/ Pablo Martinez	18-Mar-2022 19:58	Reviewed by: /S/ Bernadette A. Fini	21-Mar-2022 12:14
eSignature	Date/Time	eSignature	Date/Time

Matrices: WATER

Carrier 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:CLIENT
- 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):	0.5°C/1.0°C UC/C	IR 31
Cooler(s)/Kit(s):	RED	
Date/Time sample(s) sent to storage:	3/18/22 20:00	
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/> No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/> No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments: [Empty text box]

Corrective Action: [Empty text box]



*Red*

MAR 18 2022



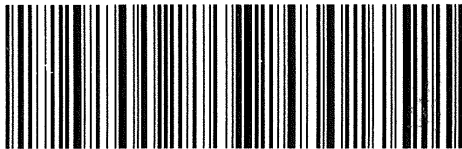
8166 9602 6493

FRI - 18 MAR AA  
STANDARD OVERNIGHT

**AB SGRA**

*Red*

**77099**  
TX-US  
IAH



484796 17Mar2022 MAFA 66065/E802/C888

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



## Analytical Report

**Prepared for:**

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

Project: 97-17  
Project Number: TNM 97-17  
Location: Lea County, New Mexico  
Lab Order Number: 2C17004



**Current Certification**

Report Date: 03/23/22

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

Project: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW20	2C17004-01	Water	03/16/22 11:05	03-17-2022 08:53
RW1	2C17004-02	Water	03/16/22 11:35	03-17-2022 08:53
MW15	2C17004-03	Water	03/16/22 12:12	03-17-2022 08:53
RW6	2C17004-04	Water	03/16/22 13:00	03-17-2022 08:53
MW14	2C17004-05	Water	03/16/22 13:19	03-17-2022 08:53
RW5	2C17004-06	Water	03/16/22 13:53	03-17-2022 08:53
RW4	2C17004-07	Water	03/16/22 14:10	03-17-2022 08:53
MW4	2C17004-08	Water	03/16/22 14:25	03-17-2022 08:53

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

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW20**  
**2C17004-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:04	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:04	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:04	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:04	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	92.8 %		80-120		P2C1702	03/17/22 10:37	03/17/22 21:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.1 %		80-120		P2C1702	03/17/22 10:37	03/17/22 21:04	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW1**  
**2C17004-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.00146</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:25	EPA 8021B	
<b>Toluene</b>	<b>0.00227</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:25	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.00402</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:25	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00756</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:25	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	80-120		P2C1702	03/17/22 10:37	03/17/22 21:25	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		97.8 %	80-120		P2C1702	03/17/22 10:37	03/17/22 21:25	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW15**  
**2C17004-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.0193</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:46	EPA 8021B	
<b>Toluene</b>	<b>0.0120</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:46	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:46	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0132</b>	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:46	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0372</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 21:46	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.1 %	80-120		P2C1702	03/17/22 10:37	03/17/22 21:46	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		89.0 %	80-120		P2C1702	03/17/22 10:37	03/17/22 21:46	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW6**  
**2C17004-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.0864</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 22:49	EPA 8021B	
<b>Toluene</b>	<b>0.0191</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 22:49	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0241</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 22:49	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0568</b>	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 22:49	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0310</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 22:49	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %	80-120		P2C1702	03/17/22 10:37	03/17/22 22:49	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		99.1 %	80-120		P2C1702	03/17/22 10:37	03/17/22 22:49	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas  
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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW14**  
**2C17004-05 (Water)**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.281</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:10	EPA 8021B	
<b>Toluene</b>	<b>0.00126</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:10	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.190</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:10	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0521</b>	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:10	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:10	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.9 %	80-120		P2C1702	03/17/22 10:37	03/17/22 23:10	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		99.0 %	80-120		P2C1702	03/17/22 10:37	03/17/22 23:10	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW5**  
**2C17004-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.351</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:31	EPA 8021B	
<b>Toluene</b>	<b>0.00371</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:31	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0292</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:31	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0427</b>	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:31	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:31	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>98.1 %</i>	<i>80-120</i>			<i>P2C1702</i>	<i>03/17/22 10:37</i>	<i>03/17/22 23:31</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>95.7 %</i>	<i>80-120</i>			<i>P2C1702</i>	<i>03/17/22 10:37</i>	<i>03/17/22 23:31</i>	<i>EPA 8021B</i>	

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: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW4**  
**2C17004-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.307</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:52	EPA 8021B	
<b>Toluene</b>	<b>0.00302</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:52	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.105</b>	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:52	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0523</b>	0.00200	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2C1702	03/17/22 10:37	03/17/22 23:52	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	80-120		P2C1702	03/17/22 10:37	03/17/22 23:52	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		97.3 %	80-120		P2C1702	03/17/22 10:37	03/17/22 23:52	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: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW4**  
**2C17004-08 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>1.85</b>	0.00500	mg/L	5	P2C1702	03/17/22 10:37	03/18/22 00:12	EPA 8021B	
<b>Toluene</b>	<b>0.0101</b>	0.00500	mg/L	5	P2C1702	03/17/22 10:37	03/18/22 00:12	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0288</b>	0.00500	mg/L	5	P2C1702	03/17/22 10:37	03/18/22 00:12	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0709</b>	0.0100	mg/L	5	P2C1702	03/17/22 10:37	03/18/22 00:12	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0106</b>	0.00500	mg/L	5	P2C1702	03/17/22 10:37	03/18/22 00:12	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.3 %	80-120		P2C1702	03/17/22 10:37	03/18/22 00:12	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		98.9 %	80-120		P2C1702	03/17/22 10:37	03/18/22 00:12	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: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2C1702 - General Preparation (GC)**

<b>Blank (P2C1702-BLK1)</b>										
										Prepared & Analyzed: 03/17/22
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		91.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	80-120			

<b>LCS (P2C1702-BS1)</b>										
										Prepared & Analyzed: 03/17/22
Benzene	0.101	0.00100	mg/L	0.100		101	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.230	0.00200	"	0.200		115	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

<b>LCS Dup (P2C1702-BSD1)</b>										
										Prepared & Analyzed: 03/17/22
Benzene	0.104	0.00100	mg/L	0.100		104	80-120	2.65	20	
Toluene	0.108	0.00100	"	0.100		108	80-120	3.18	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	2.81	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	80-120	3.61	20	
Xylene (o)	0.107	0.00100	"	0.100		107	80-120	3.96	20	
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			

<b>Calibration Check (P2C1702-CCV1)</b>										
										Prepared & Analyzed: 03/17/22
Benzene	0.0998	0.00100	mg/L	0.100		99.8	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.103	0.00100	"	0.100		103	80-120			
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120			
Xylene (o)	0.0995	0.00100	"	0.100		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.5	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: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2C1702 - General Preparation (GC)**

**Calibration Check (P2C1702-CCV2)**

Prepared & Analyzed: 03/17/22

Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		110	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.120		89.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		100	80-120			

**Calibration Check (P2C1702-CCV3)**

Prepared: 03/17/22 Analyzed: 03/18/22

Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		92.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.9	80-120			

**Matrix Spike (P2C1702-MS1)**

Source: 2C16002-01

Prepared: 03/17/22 Analyzed: 03/18/22

Benzene	0.123	0.00100	mg/L	0.100	0.000890	123	80-120			QM-05
Toluene	0.115	0.00100	"	0.100	ND	115	80-120			
Ethylbenzene	0.131	0.00100	"	0.100	0.00175	129	80-120			QM-05
Xylene (p/m)	0.249	0.00200	"	0.200	0.00125	124	80-120			QM-05
Xylene (o)	0.118	0.00100	"	0.100	ND	118	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	80-120			

**Matrix Spike Dup (P2C1702-MSD1)**

Source: 2C16002-01

Prepared: 03/17/22 Analyzed: 03/18/22

Benzene	0.129	0.00100	mg/L	0.100	0.000890	128	80-120	4.17	20	QM-05
Toluene	0.116	0.00100	"	0.100	ND	116	80-120	0.977	20	
Ethylbenzene	0.133	0.00100	"	0.100	0.00175	131	80-120	1.92	20	QM-05
Xylene (p/m)	0.256	0.00200	"	0.200	0.00125	127	80-120	2.70	20	QM-05
Xylene (o)	0.123	0.00100	"	0.100	ND	123	80-120	4.13	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.6	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: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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: 3/23/2022

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

Project: 97-17  
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Project Manager: Curt Stanley

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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  
 10014 S. County Road 1213  
 Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Curt Stanley  
 Company Name: TRC Environmental Corporation  
 Company Address: 10 Desta Drive, Ste 130E  
 City/State/Zip: Midland TX 79703  
 Project Name: 97-17  
 Project #: TNM 97-17  
 Project Loc: Lea County, New Mexico

Telephone No: (432) 5207720  
 Fax No:  
 Report Format:  Standard  TRRP  NPDES

Sampler Signature: *[Signature]*  
 e-mail: cstanley@trccompanies.com  
 cibryant@paalp.com

ORDER #: 2017004  
 (lab use only)

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO <sub>3</sub>	HCl	H <sub>2</sub> SO <sub>4</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None	Other (Specify)	Matrix	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO <sub>4</sub> , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
1	MW-20				1105		1	X	X							GW																X	X
2	RW-1				1135		1	X	X							GW																X	X
3	MW-15				1212		1	X	X							GW																X	X
4	RW-6				1300		1	X	X							GW																X	X
5	MW-14				1319		1	X	X							GW																X	X
6	RW-5				1353		1	X	X							GW																X	X
7	RW-4				1410		1	X	X							GW																X	X
8	MW-4				1425		1	X	X							GW																X	X

Special Instructions: BILL TO PLAINS

Relinquished by: Manny	Date: 3-17-22	Time: 0855	Received by: [Signature]	Date: 3/17/22	Time: 8:53	Received by: [Signature]
Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Received by:

Laboratory Comments:  
 Sample Containers intact? N  
 VOCs Free of Headspace? N  
 Labels on container(s)? N  
 Custody seals on container(s)? N  
 Sample Hand Delivered by Sampler/Client Rep.? N  
 Temperature Upon Receipt: 4.2 C  
 Adjusted: 5.2 C Factor: 1



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



# Analytical Report

**Prepared for:**

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Location: Lea County, NM  
Lab Order Number: 2E11001



**Current Certification**

Report Date: 05/25/22

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-11	2E11001-01	Water	05/10/22 10:23	05-11-2022 08:13
MW-25	2E11001-02	Water	05/10/22 11:20	05-11-2022 08:13
RW-3	2E11001-03	Water	05/10/22 12:02	05-11-2022 08:13
MW-5	2E11001-04	Water	05/10/22 12:40	05-11-2022 08:13

TOC 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](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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-11****2E11001-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.****Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 06:58	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 06:58	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 06:58	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 06:58	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 06:58	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.1 %	80-120		P2E1311	05/13/22 16:46	05/14/22 06:58	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.6 %	80-120		P2E1311	05/13/22 16:46	05/14/22 06:58	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2E2403	05/20/22 13:05	05/20/22 13:05	8015M	SUB-13
<b>Ethene</b>	<b>0.00256</b>	0.00100	mg/L	1	P2E2403	05/20/22 13:05	05/20/22 13:05	8015M	SUB-13
<b>Methane</b>	<b>0.00248</b>	0.000500	mg/L	1	P2E2403	05/20/22 13:05	05/20/22 13:05	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>63.0</b>	10.0	mg/L	1	P2E1801	05/20/22 07:58	05/20/22 07:58	8000	
Nitrate as N	ND	2.00	mg/L	10	P2E1106	05/11/22 13:08	05/11/22 19:08	EPA 300.0	
<b>Sulfate</b>	<b>1930</b>	50.0	mg/L	50	P2E1201	05/12/22 09:14	05/12/22 12:02	EPA 300.0	
<b>Total Organic Carbon</b>	<b>10.5</b>	10.0	mg/L	1	P2E2403	05/21/22 01:18	05/21/22 01:18	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.0170	mg/L	1	P2E1602	05/16/22 10:58	05/16/22 13:40	EPA 6010B	
<b>Manganese</b>	<b>0.0225</b>	0.0100	mg/L	1	P2E1602	05/16/22 10:58	05/16/22 13:40	EPA 6010B	

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-25****2E11001-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.****Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 07:19	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 07:19	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 07:19	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 07:19	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 07:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	93.7 %		80-120		P2E1311	05/13/22 16:46	05/14/22 07:19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	98.5 %		80-120		P2E1311	05/13/22 16:46	05/14/22 07:19	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2E2403	05/20/22 13:05	05/20/22 13:28	8015M	SUB-13
Ethene	<b>0.00184</b>	0.00100	mg/L	1	P2E2403	05/20/22 13:05	05/20/22 13:28	8015M	SUB-13
Methane	<b>0.0542</b>	0.000500	mg/L	4	P2E2403	05/20/22 13:05	05/20/22 15:23	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

Chemical Oxygen Demand	<b>103</b>	10.0	mg/L	1	P2E1801	05/20/22 07:58	05/20/22 07:58	8000	
Nitrate as N	ND	2.00	mg/L	10	P2E1106	05/11/22 13:08	05/11/22 20:06	EPA 300.0	
Sulfate	<b>1800</b>	50.0	mg/L	50	P2E1201	05/12/22 09:14	05/12/22 12:21	EPA 300.0	
Total Organic Carbon	<b>22.8</b>	10.0	mg/L	1	P2E2403	05/21/22 01:58	05/21/22 01:58	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	<b>0.0398</b>	0.0170	mg/L	1	P2E1602	05/16/22 10:58	05/16/22 13:44	EPA 6010B	
Manganese	<b>0.0515</b>	0.0100	mg/L	1	P2E1602	05/16/22 10:58	05/16/22 13:44	EPA 6010B	

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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**RW-3****2E11001-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.****Organics by GC**

<b>Benzene</b>	<b>0.0136</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 07:41	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 07:41	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 07:41	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 07:41	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 07:41	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.2 %	80-120		<i>P2E1311</i>	<i>05/13/22 16:46</i>	<i>05/14/22 07:41</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		99.0 %	80-120		<i>P2E1311</i>	<i>05/13/22 16:46</i>	<i>05/14/22 07:41</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P2E2403	05/20/22 13:05	05/20/22 13:35	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2E2403	05/20/22 13:05	05/20/22 13:35	8015M	SUB-13
<b>Methane</b>	<b>0.219</b>	0.0200	mg/L	20	P2E2403	05/20/22 13:05	05/20/22 15:41	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>126</b>	10.0	mg/L	1	P2E1801	05/20/22 07:58	05/20/22 07:58	8000	
Nitrate as N	ND	2.00	mg/L	10	P2E1106	05/11/22 13:08	05/11/22 20:25	EPA 300.0	
<b>Sulfate</b>	<b>2410</b>	50.0	mg/L	50	P2E1201	05/12/22 09:14	05/12/22 12:40	EPA 300.0	
<b>Total Organic Carbon</b>	<b>27.1</b>	10.0	mg/L	1	P2E2403	05/21/22 02:11	05/21/22 02:11	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

<b>Iron</b>	<b>0.166</b>	0.0170	mg/L	1	P2E1602	05/16/22 10:58	05/16/22 13:47	EPA 6010B	
<b>Manganese</b>	<b>0.0194</b>	0.0100	mg/L	1	P2E1602	05/16/22 10:58	05/16/22 13:47	EPA 6010B	

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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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-5**  
**2E11001-04 (Water)**

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.00451</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:02	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:02	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:02	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:02	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:02	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		92.9 %	80-120		<i>P2E1311</i>	<i>05/13/22 16:46</i>	<i>05/14/22 08:02</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		98.2 %	80-120		<i>P2E1311</i>	<i>05/13/22 16:46</i>	<i>05/14/22 08:02</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P2E2403	05/20/22 13:05	05/20/22 13:44	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2E2403	05/20/22 13:05	05/20/22 13:44	8015M	SUB-13
<b>Methane</b>	<b>0.476</b>	0.0100	mg/L	50	P2E2403	05/20/22 13:05	05/20/22 16:03	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>140</b>	10.0	mg/L	1	P2E1801	05/20/22 07:58	05/20/22 07:58	8000	
Nitrate as N	ND	2.00	mg/L	10	P2E1106	05/11/22 13:08	05/11/22 20:44	EPA 300.0	
<b>Sulfate</b>	<b>2410</b>	50.0	mg/L	50	P2E1201	05/12/22 09:14	05/12/22 12:59	EPA 300.0	
<b>Total Organic Carbon</b>	<b>15.1</b>	10.0	mg/L	1	P2E2403	05/21/22 02:24	05/21/22 02:24	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.0170	mg/L	1	P2E1602	05/16/22 10:58	05/16/22 13:50	EPA 6010B	
<b>Manganese</b>	<b>0.00780</b>	0.0100	mg/L	1	P2E1602	05/16/22 10:58	05/16/22 13:50	EPA 6010B	J

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas  
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 Midland TX, 79705

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2E1311 - General Preparation (GC)**

Blank (P2E1311-BLK1) <span style="float:right">Prepared: 05/13/22 Analyzed: 05/14/22</span>										
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	0.116		"	0.120		96.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	80-120			

LCS (P2E1311-BS1) <span style="float:right">Prepared: 05/13/22 Analyzed: 05/14/22</span>										
Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.3	80-120			

LCS Dup (P2E1311-BSD1) <span style="float:right">Prepared: 05/13/22 Analyzed: 05/14/22</span>										
Benzene	0.111	0.00100	mg/L	0.100		111	80-120	7.88	20	
Toluene	0.113	0.00100	"	0.100		113	80-120	6.51	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	2.88	20	
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120	6.46	20	
Xylene (o)	0.117	0.00100	"	0.100		117	80-120	7.14	20	
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.9	80-120			

Calibration Blank (P2E1311-CCB1) <span style="float:right">Prepared: 05/13/22 Analyzed: 05/14/22</span>										
Benzene	0.330		ug/l							
Toluene	0.230		"							
Ethylbenzene	0.440		"							
Xylene (p/m)	0.560		"							
Xylene (o)	0.380		"							
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
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**Batch P2E1311 - General Preparation (GC)**

**Calibration Blank (P2E1311-CCB2)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.180		ug/l							
Toluene	0.310		"							
Ethylbenzene	0.370		"							
Xylene (p/m)	0.880		"							
Xylene (o)	0.450		"							
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			

**Calibration Check (P2E1311-CCV1)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.104	0.00100	mg/L	0.102		102	80-120			
Toluene	0.107	0.00100	"	0.102		104	80-120			
Ethylbenzene	0.110	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.220	0.00200	"	0.204		108	80-120			
Xylene (o)	0.111	0.00100	"	0.102		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.0	80-120			

**Calibration Check (P2E1311-CCV2)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.101	0.00100	mg/L	0.102		98.9	80-120			
Toluene	0.100	0.00100	"	0.102		98.5	80-120			
Ethylbenzene	0.101	0.00100	"	0.102		99.2	80-120			
Xylene (p/m)	0.203	0.00200	"	0.204		99.7	80-120			
Xylene (o)	0.103	0.00100	"	0.102		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

**Calibration Check (P2E1311-CCV3)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.103	0.00100	mg/L	0.102		101	80-120			
Toluene	0.101	0.00100	"	0.102		99.2	80-120			
Ethylbenzene	0.103	0.00100	"	0.102		101	80-120			
Xylene (p/m)	0.206	0.00200	"	0.204		101	80-120			
Xylene (o)	0.106	0.00100	"	0.102		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.8	80-120			

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

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2E1311 - General Preparation (GC)**

<b>Matrix Spike (P2E1311-MS1)</b>	<b>Source: 2E11001-01</b>			Prepared: 05/13/22 Analyzed: 05/14/22					
Benzene	0.111	0.00100	mg/L	0.100	ND	111	80-120		
Toluene	0.102	0.00100	"	0.100	ND	102	80-120		
Ethylbenzene	0.111	0.00100	"	0.100	ND	111	80-120		
Xylene (p/m)	0.208	0.00200	"	0.200	ND	104	80-120		
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120		
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		97.0	80-120		
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.8	80-120		

<b>Matrix Spike Dup (P2E1311-MSD1)</b>	<b>Source: 2E11001-01</b>			Prepared: 05/13/22 Analyzed: 05/14/22					
Benzene	0.113	0.00100	mg/L	0.100	ND	113	80-120	2.23	20
Toluene	0.102	0.00100	"	0.100	ND	102	80-120	0.128	20
Ethylbenzene	0.109	0.00100	"	0.100	ND	109	80-120	1.84	20
Xylene (p/m)	0.203	0.00200	"	0.200	ND	101	80-120	2.43	20
Xylene (o)	0.105	0.00100	"	0.100	ND	105	80-120	1.80	20
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.1	80-120		
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.1	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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
<b>Batch P2E1106 - *** DEFAULT PREP ***</b>										
<b>Blank (P2E1106-BLK1)</b> Prepared & Analyzed: 05/11/22										
Nitrate as N	ND	0.200	mg/L							
<b>LCS (P2E1106-BS1)</b> Prepared & Analyzed: 05/11/22										
Nitrate as N	3.83		mg/L	4.00		95.7	90-110			
<b>LCS Dup (P2E1106-BSD1)</b> Prepared & Analyzed: 05/11/22										
Nitrate as N	3.82		mg/L	4.00		95.4	90-110	0.366	10	
<b>Calibration Blank (P2E1106-CCB1)</b> Prepared & Analyzed: 05/11/22										
Nitrate as N	0.00		mg/L							
<b>Calibration Check (P2E1106-CCV1)</b> Prepared & Analyzed: 05/11/22										
Nitrate as N	2.00		mg/L	2.00		100	90-110			
<b>Calibration Check (P2E1106-CCV2)</b> Prepared & Analyzed: 05/11/22										
Nitrate as N	2.01		mg/L	2.00		100	90-110			
<b>Matrix Spike (P2E1106-MS1)</b> Source: 2E11001-01 Prepared & Analyzed: 05/11/22										
Nitrate as N	10.3	2.00	mg/L	10.0	ND	103	80-120			
<b>Matrix Spike Dup (P2E1106-MSD1)</b> Source: 2E11001-01 Prepared & Analyzed: 05/11/22										
Nitrate as N	10.3	2.00	mg/L	10.0	ND	103	80-120	0.485	20	
<b>Batch P2E1201 - *** DEFAULT PREP ***</b>										
<b>Blank (P2E1201-BLK1)</b> Prepared & Analyzed: 05/12/22										
Sulfate	ND	1.00	mg/L							

Permian Basin Environmental Lab, L.P.

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 Midland TX, 79705

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2E1201 - \*\*\* DEFAULT PREP \*\*\***

**LCS (P2E1201-BS1)** Prepared & Analyzed: 05/12/22

Sulfate	40.8		mg/L	40.0		102	90-110			
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**LCS Dup (P2E1201-BSD1)** Prepared & Analyzed: 05/12/22

Sulfate	40.5		mg/L	40.0		101	90-110	0.628	10	
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**Calibration Blank (P2E1201-CCB1)** Prepared & Analyzed: 05/12/22

Sulfate	0.114		mg/L							
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**Calibration Check (P2E1201-CCV1)** Prepared & Analyzed: 05/12/22

Sulfate	21.5		mg/L	20.0		107	90-110			
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**Calibration Check (P2E1201-CCV2)** Prepared & Analyzed: 05/12/22

Sulfate	21.6		mg/L	20.0		108	90-110			
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**Matrix Spike (P2E1201-MS1)** Source: 2E11007-01 Prepared & Analyzed: 05/12/22

Sulfate	13100	1000	mg/L	2000	10900	110	80-120			
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**Matrix Spike Dup (P2E1201-MSD1)** Source: 2E11007-01 Prepared & Analyzed: 05/12/22

Sulfate	13100	1000	mg/L	2000	10900	111	80-120	0.114	20	
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**Batch P2E1801 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2E1801-BLK1)** Prepared & Analyzed: 05/20/22

Chemical Oxygen Demand	ND	10.0	mg/L							
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**LCS (P2E1801-BS1)** Prepared & Analyzed: 05/20/22

Chemical Oxygen Demand	1070	10.0	mg/L	1000		107	80-120			
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Permian Basin Environmental Lab, L.P.

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

TRC Solutions- Midland, Texas	Project: 97-17_MNA
10 Desta Dr STE 150E	Project Number: TNM 97-17
Midland TX, 79705	Project Manager: Curt Stanley

**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
<b>Batch P2E1801 - *** DEFAULT PREP ***</b>										
<b>LCS Dup (P2E1801-BSD1)</b>				Prepared & Analyzed: 05/20/22						
Chemical Oxygen Demand	1110	10.0	mg/L	1000		111	80-120	3.95	20	
<b>Calibration Check (P2E1801-CCV1)</b>				Prepared & Analyzed: 05/20/22						
Chemical Oxygen Demand	918	10.0	mg/L	1000		91.8	80-120			
<b>Calibration Check (P2E1801-CCV2)</b>				Prepared & Analyzed: 05/20/22						
Chemical Oxygen Demand	917	10.0	mg/L	1000		91.7	80-120			
<b>Calibration Check (P2E1801-CCV3)</b>				Prepared & Analyzed: 05/20/22						
Chemical Oxygen Demand	918	10.0	mg/L	1000		91.8	80-120			
<b>Duplicate (P2E1801-DUP1)</b>		<b>Source: 2E04001-01</b>		Prepared & Analyzed: 05/20/22						
Chemical Oxygen Demand	14.0	10.0	mg/L		14.0			0.00	20	
<b>Matrix Spike (P2E1801-MS1)</b>		<b>Source: 2E04001-01</b>		Prepared & Analyzed: 05/20/22						
Chemical Oxygen Demand	65.0	10.0	mg/L	1000	14.0	5.10	80-120			QM-05
<b>Matrix Spike Dup (P2E1801-MSD1)</b>		<b>Source: 2E04001-01</b>		Prepared & Analyzed: 05/20/22						
Chemical Oxygen Demand	66.0	10.0	mg/L	1000	14.0	5.20	80-120	1.53	20	QM-05

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**Dissolved Metals 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
<b>Batch P2E1602 - *** DEFAULT PREP ***</b>										
<b>Blank (P2E1602-BLK1)</b> Prepared & Analyzed: 05/16/22										
Iron	ND	0.0170	mg/L							
Manganese	0.000558	0.0100	"							J
<b>LCS (P2E1602-BS1)</b> Prepared & Analyzed: 05/16/22										
Manganese	0.214	0.0100	mg/L	0.200		107	85-115			
Iron	0.389	0.0170	"	0.400		97.3	80-120			
<b>LCS Dup (P2E1602-BSD1)</b> Prepared & Analyzed: 05/16/22										
Manganese	0.209	0.0100	mg/L	0.200		105	85-115	2.24	20	
Iron	0.402	0.0170	"	0.400		101	80-120	3.34	20	
<b>Calibration Blank (P2E1602-CCB1)</b> Prepared & Analyzed: 05/16/22										
Manganese	0.000868		mg/L							J
Iron	0.00939		"							
<b>Calibration Blank (P2E1602-CCB2)</b> Prepared & Analyzed: 05/16/22										
Manganese	0.000665		mg/L							J
Iron	0.00785		"							
<b>Calibration Check (P2E1602-CCV1)</b> Prepared & Analyzed: 05/16/22										
Manganese	0.215	0.0100	mg/L	0.200		108	90-110			
Iron	0.387	0.0170	"	0.400		96.8	90-110			
<b>Calibration Check (P2E1602-CCV2)</b> Prepared & Analyzed: 05/16/22										
Manganese	0.210	0.0100	mg/L	0.200		105	90-110			
Iron	0.439	0.0170	"	0.400		110	90-110			
<b>Matrix Spike (P2E1602-MS1)</b> Source: 2E04001-01 Prepared & Analyzed: 05/16/22										
Manganese	0.338	0.0100	mg/L	0.200	0.0449	146	75-125			QM-05
Iron	0.858	0.0170	"	0.400	0.435	106	75-125			

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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**Dissolved Metals 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 P2E1602 - \*\*\* DEFAULT PREP \*\*\***

Matrix Spike Dup (P2E1602-MSD1)	Source: 2E04001-01			Prepared & Analyzed: 05/16/22						
Manganese	0.293	0.0100	mg/L	0.200	0.0449	124	75-125	14.3	20	
Iron	0.940	0.0170	"	0.400	0.435	126	75-125	9.10	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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- 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: 5/25/2022

Brent Barron, Laboratory Director/Technical Director

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

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.



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP  
10014 S. County Road 1213  
Midland, Texas 79706

Phone: 432-661-4184

1 of 2  
Page 2 of 2

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Destia Drive, Ste 130E

City/State/Zip: Midland/TX/79703

Telephone No: (432)5207720

Sampler Signature: *[Signature]*

e-mail: cdstanley@trcsolutions.com

cbryant@paalp.com

khudgens@paalp.com

Fax No:

Report Format:

Standard

TRRP

NPDES

Project Name: 97-17

Project #: TNM 97-17

Project Loc: Lea County, New Mexico

PO #:

ORDER #: 2E11001

Preservation & # of Containers

Matrix

Analyze For:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered (1-250 NHO <sub>3</sub> )	Total #. of Containers	Ice	HNO <sub>3</sub> (1-250mL)	HCl (6 VOA + 1-250 mL)	H <sub>2</sub> SO <sub>4</sub> (1-250 mL)	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	TOC SM 5310	Dissolved 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	Total BTEX by 8260	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCl	N.O.R.M.	Chlorides E 300	Paint Filter	TCLP Benzene	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MW-11			5-10-22	1023	1	9	X	1	1	1					GW	X	X	X	X	X	X										X
2	MW-25			5-10-22	1120	1	9	X	1	1	1					GW	X	X	X	X	X	X										X
3	RW-3			5-10-22	1202	1	9	X	1	1	1					GW	X	X	X	X	X	X										X
4	MW-5			5-10-22	1240	1	9	X	1	1	1					GW	X	X	X	X	X	X										X
	MW-19					1	9	X	1	1	1					GW	X	X	X	X	X	X										X
	MW-7					1	9	X	1	1	1					GW	X	X	X	X	X	X										X

Special Instructions:

Relinquished by: *[Signature]* Date: 5-11-22 Time: Received by: *[Signature]* Date: 5-11-22 Time: 8:13

Relinquished by: *[Signature]* Date: Time: Received by: *[Signature]* Date: Time:

Relinquished by: Date: Time: Received by: *[Signature]* Date: 5-11-22 Time: 8:13

Laboratory Comments: Labels on containers?  VOCS Free of Headspace?  Sample Containers intact?  Custody seals on containers?  Custody seals on cooler?  Sample Hand Delivered by Sampler/Client Rep?  Temperature Upon Receipt: 2.0 °C Adjusted:  by Courier?  UPS  DHL  FedEx  Lone Star



DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

### Sample Receipt Checklist

Yes	Notes
<input checked="" type="checkbox"/>	
	Chain of custody signed/dated/time when relinquished and received?
	Number of samples present on COC for all samples?
	Samplers name present on COC?
	Sample containers intact?
	Samples in proper container/bottle?
	All samples received within holding time?
	Analysis requested for all samples submitted?
	Custody seals intact on shipping container/cooler?

Login Notes:  
 Assorted Poly  
 HCL VOA  
 2611001



DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

### SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

Client Contacted  
 Name: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 NC Initiated by: \_\_\_\_\_ Approved by: \_\_\_\_\_



---

10450 Stancliff Rd. Suite 210  
Houston, TX 77099  
T: +1 281 530 5656  
F: +1 281 530 5887

May 24, 2022

Brent Barron  
Permian Basin Environmental Lab, LP  
10014 SCR 1213  
Midland, TX 79706

Work Order: **HS22050743**

Laboratory Results for: **2E11001**

Dear Brent Barron,

ALS Environmental received 4 sample(s) on May 17, 2022 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  
Bernadette A. Fini  
Project Manager

**ALS Houston, US**

Date: 24-May-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2E11001  
**Work Order:** HS22050743

**SAMPLE SUMMARY**

---

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22050743-01	2E11001-01	Water		10-May-2022 10:23	17-May-2022 09:20	<input type="checkbox"/>
HS22050743-02	2E11001-02	Water		10-May-2022 11:20	17-May-2022 09:20	<input type="checkbox"/>
HS22050743-03	2E11001-03	Water		10-May-2022 12:02	17-May-2022 09:20	<input type="checkbox"/>
HS22050743-04	2E11001-04	Water		10-May-2022 12:40	17-May-2022 09:20	<input type="checkbox"/>

**ALS Houston, US**

Date: 24-May-22

---

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2E11001  
**Work Order:** HS22050743

**CASE NARRATIVE**

---

**GC Semivolatiles by Method RSK-175**

**Batch ID: R409022**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

---

**WetChemistry by Method E415.1**

**Batch ID: R409106**

**Sample ID: HS22050462-02MS**

- MS is for an unrelated sample
-



**ALS Houston, US**

Date: 24-May-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2E11001  
 Sample ID: 2E11001-01  
 Collection Date: 10-May-2022 10:23

**ANALYTICAL REPORT**  
 WorkOrder:HS22050743  
 Lab ID:HS22050743-01  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: PPM
Ethane	ND		1.00	ug/L	1	20-May-2022 13:05
<b>Ethene</b>	<b>2.56</b>		<b>1.00</b>	<b>ug/L</b>	1	20-May-2022 13:05
<b>Methane</b>	<b>2.48</b>		<b>0.500</b>	<b>ug/L</b>	1	20-May-2022 13:05
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: SB
<b>Organic Carbon, Total</b>	<b>10.5</b>		<b>10.0</b>	<b>mg/L</b>	10	21-May-2022 01:18

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 24-May-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2E11001  
 Sample ID: 2E11001-02  
 Collection Date: 10-May-2022 11:20

**ANALYTICAL REPORT**

WorkOrder:HS22050743  
 Lab ID:HS22050743-02  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: PPM
Ethane	ND		1.00	ug/L	1	20-May-2022 13:28
<b>Ethene</b>	<b>1.84</b>		<b>1.00</b>	<b>ug/L</b>	1	20-May-2022 13:28
<b>Methane</b>	<b>54.2</b>		<b>2.00</b>	<b>ug/L</b>	4	20-May-2022 15:23
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: SB
<b>Organic Carbon, Total</b>	<b>22.8</b>		<b>10.0</b>	<b>mg/L</b>	10	21-May-2022 01:58

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 24-May-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2E11001  
 Sample ID: 2E11001-03  
 Collection Date: 10-May-2022 12:02

**ANALYTICAL REPORT**

WorkOrder:HS22050743  
 Lab ID:HS22050743-03  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: PPM
Ethane	ND		1.00	ug/L	1	20-May-2022 13:35
Ethene	ND		1.00	ug/L	1	20-May-2022 13:35
<b>Methane</b>	<b>219</b>		<b>10.0</b>	<b>ug/L</b>	20	20-May-2022 15:41
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: SB
<b>Organic Carbon, Total</b>	<b>27.1</b>		<b>10.0</b>	<b>mg/L</b>	10	21-May-2022 02:11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 24-May-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2E11001  
 Sample ID: 2E11001-04  
 Collection Date: 10-May-2022 12:40

**ANALYTICAL REPORT**  
 WorkOrder:HS22050743  
 Lab ID:HS22050743-04  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: PPM
Ethane	ND		1.00	ug/L	1	20-May-2022 13:44
Ethene	ND		1.00	ug/L	1	20-May-2022 13:44
<b>Methane</b>	<b>476</b>		<b>25.0</b>	<b>ug/L</b>	50	20-May-2022 16:03
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: SB
<b>Organic Carbon, Total</b>	<b>15.1</b>		<b>10.0</b>	<b>mg/L</b>	10	21-May-2022 02:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 24-May-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2E11001  
**WorkOrder:** HS22050743

**DATES REPORT**

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
<b>Batch ID:</b> R409022 ( 0 )		<b>Test Name :</b> DISSOLVED GASES BY RSK-175			<b>Matrix:</b> Water	
HS22050743-01	2E11001-01	10 May 2022 10:23			20 May 2022 13:05	1
HS22050743-02	2E11001-02	10 May 2022 11:20			20 May 2022 15:23	4
HS22050743-02	2E11001-02	10 May 2022 11:20			20 May 2022 13:28	1
HS22050743-03	2E11001-03	10 May 2022 12:02			20 May 2022 15:41	20
HS22050743-03	2E11001-03	10 May 2022 12:02			20 May 2022 13:35	1
HS22050743-04	2E11001-04	10 May 2022 12:40			20 May 2022 16:03	50
HS22050743-04	2E11001-04	10 May 2022 12:40			20 May 2022 13:44	1
<b>Batch ID:</b> R409106 ( 0 )		<b>Test Name :</b> TOTAL ORGANIC CARBON BY E415.1			<b>Matrix:</b> Water	
HS22050743-01	2E11001-01	10 May 2022 10:23			21 May 2022 01:18	10
HS22050743-02	2E11001-02	10 May 2022 11:20			21 May 2022 01:58	10
HS22050743-03	2E11001-03	10 May 2022 12:02			21 May 2022 02:11	10
HS22050743-04	2E11001-04	10 May 2022 12:40			21 May 2022 02:24	10

**ALS Houston, US**

Date: 24-May-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2E11001  
**WorkOrder:** HS22050743

**QC BATCH REPORT**

**Batch ID:** R409022 ( 0 )      **Instrument:** FID-4      **Method:** DISSOLVED GASES BY RSK-175

<b>MBLK</b>		Sample ID: <b>MBLK-220520</b>		Units: <b>ug/L</b>		Analysis Date: <b>20-May-2022 08:45</b>			
Client ID:		Run ID: <b>FID-4_409022</b>		SeqNo: <b>6656352</b>		PrepDate:		DF: <b>1</b>	
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							

<b>LCS</b>		Sample ID: <b>LCS-220520</b>		Units: <b>ug/L</b>		Analysis Date: <b>20-May-2022 09:01</b>			
Client ID:		Run ID: <b>FID-4_409022</b>		SeqNo: <b>6656353</b>		PrepDate:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	15.16	1.00	18.04	0	84.0	75 - 125			
Ethene	13.26	1.00	16.8	0	79.0	75 - 125			
Methane	8.164	0.500	9.647	0	84.6	75 - 125			

<b>LCS D</b>		Sample ID: <b>LCS D-220520</b>		Units: <b>ug/L</b>		Analysis Date: <b>20-May-2022 09:13</b>			
Client ID:		Run ID: <b>FID-4_409022</b>		SeqNo: <b>6656354</b>		PrepDate:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	18.87	1.00	18.04	0	105	75 - 125	15.16	21.9	30
Ethene	16.62	1.00	16.8	0	98.9	75 - 125	13.26	22.5	30
Methane	9.872	0.500	9.647	0	102	75 - 125	8.164	18.9	30

<b>DUP</b>		Sample ID: <b>HS22050729-03DUP</b>		Units: <b>ug/L</b>		Analysis Date: <b>20-May-2022 12:36</b>			
Client ID:		Run ID: <b>FID-4_409022</b>		SeqNo: <b>6656370</b>		PrepDate:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	ND	1.00					0	0	30
Ethene	ND	1.00					1.431	0	30
Methane	11.82	0.500					12.04	1.81	30

The following samples were analyzed in this batch: HS22050743-01    HS22050743-02    HS22050743-03    HS22050743-04

**ALS Houston, US**

Date: 24-May-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2E11001  
**WorkOrder:** HS22050743

**QC BATCH REPORT**

<b>Batch ID:</b> R409106 ( 0 )	<b>Instrument:</b> TOC_04	<b>Method:</b> TOTAL ORGANIC CARBON BY E415.1
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<b>MBLK</b>	Sample ID: <b>MBLK-05132022</b>	Units: <b>mg/L</b>	Analysis Date: <b>20-May-2022 23:03</b>							
Client ID:	Run ID: <b>TOC_04_409106</b>	SeqNo: <b>6658230</b>	PrepDate: DF: <b>1</b>							
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

<b>LCS</b>	Sample ID: <b>LCS-05132022</b>	Units: <b>mg/L</b>	Analysis Date: <b>20-May-2022 23:17</b>							
Client ID:	Run ID: <b>TOC_04_409106</b>	SeqNo: <b>6658231</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Organic Carbon, Total 9.63 1.00 10 0 96.3 85 - 115

<b>LCSD</b>	Sample ID: <b>LCSD-05132022</b>	Units: <b>mg/L</b>	Analysis Date: <b>20-May-2022 23:30</b>							
Client ID:	Run ID: <b>TOC_04_409106</b>	SeqNo: <b>6658232</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Organic Carbon, Total 9.603 1.00 10 0 96.0 85 - 115 9.63 0.281 20

<b>MS</b>	Sample ID: <b>HS22050462-02MS</b>	Units: <b>mg/L</b>	Analysis Date: <b>21-May-2022 00:07</b>							
Client ID:	Run ID: <b>TOC_04_409106</b>	SeqNo: <b>6658234</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Organic Carbon, Total 945.1 1.00 10 902.8 423 80 - 120 SEO

The following samples were analyzed in this batch: HS22050743-01 HS22050743-02 HS22050743-03 HS22050743-04

**ALS Houston, US**

Date: 24-May-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2E11001  
**WorkOrder:** HS22050743

**QUALIFIERS,  
ACRONYMS, UNITS**

<b>Qualifier</b>	<b>Description</b>
*	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

<b>Acronym</b>	<b>Description</b>
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: 24-May-22

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**CERTIFICATIONS, ACCREDITATIONS & LICENSES**

<b>Agency</b>	<b>Number</b>	<b>Expire Date</b>
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-34	30-Jun-2022
Illinois	2000322022-9	09-May-2023
Kansas	E-10352 2021-2022	31-Jul-2022
Louisiana	03087, 2021-2022	30-Jun-2022
Maryland	343, 2021-2022	30-Jun-2022
North Carolina	624-2022	31-Dec-2022
Oklahoma	2021-080	31-Aug-2022
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932021-12	30-Jul-2022

ALS Houston, US

Date: 24-May-22

Sample Receipt Checklist

Work Order ID: HS22050743

Date/Time Received: 17-May-2022 09:20

Client Name: Permian Basin Lab

Received by: Paresh M. Giga

Completed By: /S/ Nilesch D. Ranchod 17-May-2022 11:42 Reviewed by: /S/ Bernadette A. Fini 18-May-2022 08:39
eSignature Date/Time eSignature Date/Time

Matrices: Water

Carrier name: FedEx Priority Overnight

- Shipping container/cooler in good condition? Yes [checked] No [ ] Not Present [ ]
Custody seals intact on shipping container/cooler? Yes [ ] No [ ] Not Present [checked]
Custody seals intact on sample bottles? Yes [ ] No [ ] Not Present [checked]
VOA/TX1005/TX1006 Solids in hermetically sealed vials? Yes [ ] No [ ] Not Present [checked]
Chain of custody present? Yes [checked] No [ ] 1 Page(s)
Chain of custody signed when relinquished and received? Yes [checked] No [ ] COC
Samplers name present on COC? Yes [ ] No [checked] IDs:PRELAB\_SUB\_COC\_V2
Chain of custody agrees with sample labels? Yes [checked] No [ ]
Samples in proper container/bottle? Yes [checked] No [ ]
Sample containers intact? Yes [checked] No [ ]
Sufficient sample volume for indicated test? Yes [checked] No [ ]
All samples received within holding time? Yes [checked] No [ ]
Container/Temp Blank temperature in compliance? Yes [checked] No [ ]

Temperature(s)/Thermometer(s): 1.3C/1.8C UC/C IR #31
Cooler(s)/Kit(s): RED
Date/Time sample(s) sent to storage: 05/17/2022 11:50
Water - VOA vials have zero headspace? Yes [checked] No [ ] No VOA vials submitted [ ]
Water - pH acceptable upon receipt? Yes [checked] No [ ] N/A [ ]
pH adjusted? Yes [ ] No [checked] N/A [ ]
pH adjusted by: [ ]

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments: [ ]

Corrective Action: [ ]



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

**HS22050743**

Permian Basin Environmental Lab, LP  
2E11001



e-mail: brentbarron@pbelab.com

Project Name: SUBCONTRACT  
Project #: \_\_\_\_\_  
Project Loc: \_\_\_\_\_  
PO #: \_\_\_\_\_  
Report Format:  Standard  TRRP  NPDES

(lab use only)		Analyze For:																													
ORDER #:	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers						Matrix																	
LAB # (lab use only)								ICE	HNO <sub>3</sub> 250 poly 1	HCl 3 40mL VOA	H <sub>2</sub> SO <sub>4</sub> 1 Amber 500 250 poly	NaOH/ZNAC 250 Poly 1	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None Poly 500ml 250ml Glass Amber 1000 500 ml	NONE 3 AMBER VOAA VIALS	Matrix	8270C PAH	METALS RCRA 8 TCLP ICPMS/7471	8260B TCLP BENEZENE	MSK-175 Methane Ethane Ethene	8270 TOTAL SEMIVOLATILE	TOC-SM 5310B	Mn, Fe, Al Total ICP 200.7	Pb Total ICP-MS 6020A	NORM 901.1M	METHANOL 8015M	GLYCOLS-DI 8015B	RCI	BOD-SM5210B-2011	2-HEX 713	STANDARD
	2E11001-01			5/10/2022	10:23	4	X	X	X	X						W			X	X										X	X
	2E11001-02			5/10/2022	11:20	4	X	X	X	X						W			X	X									X	X	
	2E11001-03			5/10/2022	12:02	4	X	X	X	X						W			X	X									X	X	
	2E11001-04			5/10/2022	12:40	4	X	X	X	X						W			X	X									X	X	

Special Instructions: *Rad 130 A SI C11-015*

Relinquished by: Brent Barron	Date 5/16/22	Time 17:00	Received by: <i>[Signature]</i>	Date 5/17/2022	Time 09:20
Relinquished by:	Date	Time	Received by:	Date	Time
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 by Sampler/Client Rep.?	Y	N
by Courier? UPS DHL FedEx Lone Star		
Temperature Upon Receipt:		
Received: °C		
Adjusted: °C Factor		



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



# Analytical Report

**Prepared for:**

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Location: Lea County, NM  
Lab Order Number: 2E12004



**Current Certification**

Report Date: 05/25/22

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-19	2E12004-01	Water	05/11/22 15:17	05-12-2022 09:11
MW-7	2E12004-02	Water	05/11/22 15:52	05-12-2022 09:11

TOC 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](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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-19**  
**2E12004-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.178</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:23	EPA 8021B	
<b>Toluene</b>	<b>0.00297</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:23	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.00862</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:23	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:23	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0151</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	102 %		80-120		P2E1311	05/13/22 16:46	05/14/22 08:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	95.4 %		80-120		P2E1311	05/13/22 16:46	05/14/22 08:23	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2E2403	05/20/22 12:46	05/20/22 12:46	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2E2403	05/20/22 12:46	05/20/22 12:46	8015M	SUB-13
<b>Methane</b>	<b>1.59</b>	0.100	mg/L	100	P2E2403	05/20/22 12:46	05/20/22 15:03	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>608</b>	10.0	mg/L	1	P2E1801	05/20/22 07:58	05/20/22 07:58	8000	
Nitrate as N	ND	1.00	mg/L	5	P2E1205	05/12/22 13:28	05/12/22 15:50	EPA 300.0	
<b>Sulfate</b>	<b>775</b>	25.0	mg/L	25	P2E1205	05/12/22 13:28	05/13/22 08:18	EPA 300.0	
<b>Total Organic Carbon</b>	<b>179</b>	10.0	mg/L	1	P2E2403	05/21/22 00:53	05/21/22 00:53	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

<b>Iron</b>	<b>0.0460</b>	0.0170	mg/L	1	P2E1602	05/16/22 10:58	05/16/22 14:00	EPA 6010B	
<b>Manganese</b>	<b>0.0210</b>	0.0100	mg/L	1	P2E1602	05/16/22 10:58	05/16/22 14:00	EPA 6010B	

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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-7**  
**2E12004-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.422</b>	0.00500	mg/L	5	P2E1311	05/13/22 16:46	05/16/22 10:08	EPA 8021B	
<b>Toluene</b>	<b>0.00100</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:44	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0134</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:44	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.00675</b>	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:44	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00270</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 08:44	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.1 %	80-120		P2E1311	05/13/22 16:46	05/14/22 08:44	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		98.8 %	80-120		P2E1311	05/13/22 16:46	05/14/22 08:44	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2E2403	05/20/22 12:55	05/20/22 12:55	8015M	SUB-13
<b>Ethene</b>	<b>0.00579</b>	0.00100	mg/L	1	P2E2403	05/20/22 12:55	05/20/22 12:55	8015M	SUB-13
<b>Methane</b>	<b>0.605</b>	0.0500	mg/L	50	P2E2403	05/20/22 12:55	05/20/22 15:14	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>194</b>	10.0	mg/L	1	P2E1801	05/20/22 07:58	05/20/22 07:58	8000	
Nitrate as N	ND	2.00	mg/L	10	P2E1205	05/12/22 13:28	05/12/22 16:47	EPA 300.0	
<b>Sulfate</b>	<b>2180</b>	50.0	mg/L	50	P2E1205	05/12/22 13:28	05/13/22 08:37	EPA 300.0	
<b>Total Organic Carbon</b>	<b>27.8</b>	10.0	mg/L	1	P2E2403	05/21/22 01:06	05/21/22 01:06	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

<b>Iron</b>	<b>0.0399</b>	0.0170	mg/L	1	P2E1602	05/16/22 10:58	05/16/22 14:03	EPA 6010B	
<b>Manganese</b>	<b>0.0118</b>	0.0100	mg/L	1	P2E1602	05/16/22 10:58	05/16/22 14:03	EPA 6010B	

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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
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**Batch P2E1311 - General Preparation (GC)**

**Blank (P2E1311-BLK1)**

Prepared: 05/13/22 Analyzed: 05/14/22

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	0.116		"	0.120		96.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	80-120			

**LCS (P2E1311-BS1)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.3	80-120			

**LCS Dup (P2E1311-BSD1)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.111	0.00100	mg/L	0.100		111	80-120	7.88	20	
Toluene	0.113	0.00100	"	0.100		113	80-120	6.51	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	2.88	20	
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120	6.46	20	
Xylene (o)	0.117	0.00100	"	0.100		117	80-120	7.14	20	
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.9	80-120			

**Calibration Blank (P2E1311-CCB1)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.330		ug/l							
Toluene	0.230		"							
Ethylbenzene	0.440		"							
Xylene (p/m)	0.560		"							
Xylene (o)	0.380		"							
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
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**Batch P2E1311 - General Preparation (GC)**

**Calibration Blank (P2E1311-CCB2)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.180		ug/l							
Toluene	0.310		"							
Ethylbenzene	0.370		"							
Xylene (p/m)	0.880		"							
Xylene (o)	0.450		"							
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			

**Calibration Check (P2E1311-CCV1)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.104	0.00100	mg/L	0.102		102	80-120			
Toluene	0.107	0.00100	"	0.102		104	80-120			
Ethylbenzene	0.110	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.220	0.00200	"	0.204		108	80-120			
Xylene (o)	0.111	0.00100	"	0.102		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.0	80-120			

**Calibration Check (P2E1311-CCV2)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.101	0.00100	mg/L	0.102		98.9	80-120			
Toluene	0.100	0.00100	"	0.102		98.5	80-120			
Ethylbenzene	0.101	0.00100	"	0.102		99.2	80-120			
Xylene (p/m)	0.203	0.00200	"	0.204		99.7	80-120			
Xylene (o)	0.103	0.00100	"	0.102		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

**Calibration Check (P2E1311-CCV3)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.103	0.00100	mg/L	0.102		101	80-120			
Toluene	0.101	0.00100	"	0.102		99.2	80-120			
Ethylbenzene	0.103	0.00100	"	0.102		101	80-120			
Xylene (p/m)	0.206	0.00200	"	0.204		101	80-120			
Xylene (o)	0.106	0.00100	"	0.102		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.8	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  
 10 Desta Dr STE 150E  
 Midland TX, 79705

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2E1311 - General Preparation (GC)**

<b>Matrix Spike (P2E1311-MS1)</b>	<b>Source: 2E11001-01</b>			Prepared: 05/13/22 Analyzed: 05/14/22					
Benzene	0.111	0.00100	mg/L	0.100	ND	111	80-120		
Toluene	0.102	0.00100	"	0.100	ND	102	80-120		
Ethylbenzene	0.111	0.00100	"	0.100	ND	111	80-120		
Xylene (p/m)	0.208	0.00200	"	0.200	ND	104	80-120		
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120		
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		97.0	80-120		
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.8	80-120		

<b>Matrix Spike Dup (P2E1311-MSD1)</b>	<b>Source: 2E11001-01</b>			Prepared: 05/13/22 Analyzed: 05/14/22					
Benzene	0.113	0.00100	mg/L	0.100	ND	113	80-120	2.23	20
Toluene	0.102	0.00100	"	0.100	ND	102	80-120	0.128	20
Ethylbenzene	0.109	0.00100	"	0.100	ND	109	80-120	1.84	20
Xylene (p/m)	0.203	0.00200	"	0.200	ND	101	80-120	2.43	20
Xylene (o)	0.105	0.00100	"	0.100	ND	105	80-120	1.80	20
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.1	80-120		
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.1	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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
<b>Batch P2E1205 - *** DEFAULT PREP ***</b>										
<b>Blank (P2E1205-BLK1)</b> Prepared & Analyzed: 05/12/22										
Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							
<b>LCS (P2E1205-BS1)</b> Prepared & Analyzed: 05/12/22										
Nitrate as N	3.89		mg/L	4.00		97.3	90-110			
Sulfate	41.0		"	40.0		102	90-110			
<b>LCS Dup (P2E1205-BSD1)</b> Prepared & Analyzed: 05/12/22										
Nitrate as N	3.87		mg/L	4.00		96.7	90-110	0.644	10	
Sulfate	40.8		"	40.0		102	90-110	0.418	10	
<b>Calibration Blank (P2E1205-CCB1)</b> Prepared & Analyzed: 05/12/22										
Sulfate	0.125		mg/L							
Nitrate as N	0.00		"							
<b>Calibration Check (P2E1205-CCV1)</b> Prepared & Analyzed: 05/12/22										
Sulfate	22.0		mg/L	20.0		110	90-110			
Nitrate as N	2.03		"	2.00		101	90-110			
<b>Calibration Check (P2E1205-CCV2)</b> Prepared & Analyzed: 05/12/22										
Sulfate	21.9		mg/L	20.0		109	90-110			
Nitrate as N	2.05		"	2.00		102	90-110			
<b>Matrix Spike (P2E1205-MS1)</b> Source: 2E12004-01 Prepared & Analyzed: 05/12/22										
Nitrate as N	8.15	5.00	mg/L	1.00	ND	815	80-120			QM-05
Sulfate	4040	25.0	"	10.0	775	NR	80-120			QM-05
<b>Matrix Spike Dup (P2E1205-MSD1)</b> Source: 2E12004-01 Prepared & Analyzed: 05/12/22										
Nitrate as N	8.05	5.00	mg/L	1.00	ND	805	80-120	1.23	20	QM-05
Sulfate	4040	25.0	"	10.0	775	NR	80-120	0.0996	20	QM-05

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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
<b>Batch P2E1801 - *** DEFAULT PREP ***</b>										
<b>Blank (P2E1801-BLK1)</b> Prepared & Analyzed: 05/20/22										
Chemical Oxygen Demand	ND	10.0	mg/L							
<b>LCS (P2E1801-BS1)</b> Prepared & Analyzed: 05/20/22										
Chemical Oxygen Demand	1070	10.0	mg/L	1000		107	80-120			
<b>LCS Dup (P2E1801-BSD1)</b> Prepared & Analyzed: 05/20/22										
Chemical Oxygen Demand	1110	10.0	mg/L	1000		111	80-120	3.95	20	
<b>Calibration Check (P2E1801-CCV1)</b> Prepared & Analyzed: 05/20/22										
Chemical Oxygen Demand	918	10.0	mg/L	1000		91.8	80-120			
<b>Calibration Check (P2E1801-CCV2)</b> Prepared & Analyzed: 05/20/22										
Chemical Oxygen Demand	917	10.0	mg/L	1000		91.7	80-120			
<b>Calibration Check (P2E1801-CCV3)</b> Prepared & Analyzed: 05/20/22										
Chemical Oxygen Demand	918	10.0	mg/L	1000		91.8	80-120			
<b>Duplicate (P2E1801-DUP1)</b> Source: 2E04001-01 Prepared & Analyzed: 05/20/22										
Chemical Oxygen Demand	14.0	10.0	mg/L		14.0			0.00	20	
<b>Matrix Spike (P2E1801-MS1)</b> Source: 2E04001-01 Prepared & Analyzed: 05/20/22										
Chemical Oxygen Demand	65.0	10.0	mg/L	1000	14.0	5.10	80-120			QM-05
<b>Matrix Spike Dup (P2E1801-MSD1)</b> Source: 2E04001-01 Prepared & Analyzed: 05/20/22										
Chemical Oxygen Demand	66.0	10.0	mg/L	1000	14.0	5.20	80-120	1.53	20	QM-05

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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**Dissolved Metals 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
<b>Batch P2E1602 - *** DEFAULT PREP ***</b>										
<b>Blank (P2E1602-BLK1)</b>										
Prepared & Analyzed: 05/16/22										
Manganese	0.000558	0.0100	mg/L							J
Iron	ND	0.0170	"							
<b>LCS (P2E1602-BS1)</b>										
Prepared & Analyzed: 05/16/22										
Iron	0.389	0.0170	mg/L	0.400		97.3	80-120			
Manganese	0.214	0.0100	"	0.200		107	85-115			
<b>LCS Dup (P2E1602-BSD1)</b>										
Prepared & Analyzed: 05/16/22										
Manganese	0.209	0.0100	mg/L	0.200		105	85-115	2.24	20	
Iron	0.402	0.0170	"	0.400		101	80-120	3.34	20	
<b>Calibration Blank (P2E1602-CCB1)</b>										
Prepared & Analyzed: 05/16/22										
Manganese	0.000868		mg/L							J
Iron	0.00939		"							
<b>Calibration Blank (P2E1602-CCB2)</b>										
Prepared & Analyzed: 05/16/22										
Iron	0.00785		mg/L							
Manganese	0.000665		"							J
<b>Calibration Check (P2E1602-CCV1)</b>										
Prepared & Analyzed: 05/16/22										
Manganese	0.215	0.0100	mg/L	0.200		108	90-110			
Iron	0.387	0.0170	"	0.400		96.8	90-110			
<b>Calibration Check (P2E1602-CCV2)</b>										
Prepared & Analyzed: 05/16/22										
Manganese	0.210	0.0100	mg/L	0.200		105	90-110			
Iron	0.439	0.0170	"	0.400		110	90-110			
<b>Matrix Spike (P2E1602-MS1)</b>										
Source: 2E04001-01 Prepared & Analyzed: 05/16/22										
Manganese	0.338	0.0100	mg/L	0.200	0.0449	146	75-125			QM-05
Iron	0.858	0.0170	"	0.400	0.435	106	75-125			

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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**Dissolved Metals 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
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**Batch P2E1602 - \*\*\* DEFAULT PREP \*\*\***

<b>Matrix Spike Dup (P2E1602-MSD1)</b>	<b>Source: 2E04001-01</b>			<b>Prepared &amp; Analyzed: 05/16/22</b>						
Manganese	0.293	0.0100	mg/L	0.200	0.0449	124	75-125	14.3	20	
Iron	0.940	0.0170	"	0.400	0.435	126	75-125	9.10	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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- 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: 5/25/2022

Brent Barron, Laboratory Director/Technical Director



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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

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.





DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

### Sample Receipt Checklist

Yes	Notes
<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	Chain of custody signed/dated/time when relinquished and received?
<input checked="" type="checkbox"/>	Sampler's name present on COC?
<input checked="" type="checkbox"/>	Sample containers intact?
<input checked="" type="checkbox"/>	Samples in proper container/bottle?
<input checked="" type="checkbox"/>	All samples received within holding time?
<input checked="" type="checkbox"/>	Analysis requested for all samples submitted?
<input checked="" type="checkbox"/>	Custody seals intact on shipping container/cooler?

Login Notes:  
 Assorted poly  
 VOA  
 2E12004



DOC #: PBEL\_SAMPLE\_CHECKLIST  
REVISION #: PBEL\_2021\_1  
REVISION Date: 10/30/2021  
EFFECTIVE DATE: 10/30/2021

### SAMPLE VARIANCE/NON-CONFORMANCE

Variance/Discrepancy:

Resolution:

Client Contacted  
 Name:  
 Date/Time:  
 NC Initiated by:  
 Approved by:



---

10450 Stancliff Rd. Suite 210  
Houston, TX 77099  
T: +1 281 530 5656  
F: +1 281 530 5887

May 24, 2022

Brent Barron  
Permian Basin Environmental Lab, LP  
10014 SCR 1213  
Midland, TX 79706

Work Order: **HS22050742**

Laboratory Results for: **2E12004**

Dear Brent Barron,

ALS Environmental received 2 sample(s) on May 17, 2022 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  
Bernadette A. Fini  
Project Manager

**ALS Houston, US**

Date: 24-May-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2E12004  
**Work Order:** HS22050742

**SAMPLE SUMMARY**

---

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22050742-01	2E12004-01	Water		11-May-2022 15:17	17-May-2022 09:20	<input type="checkbox"/>
HS22050742-02	2E12004-02	Water		11-May-2022 15:52	17-May-2022 09:20	<input type="checkbox"/>

**ALS Houston, US**

Date: 24-May-22

---

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2E12004  
**Work Order:** HS22050742

**CASE NARRATIVE**

---

**GC Semivolatiles by Method RSK-175**

**Batch ID: R409022**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

---

**WetChemistry by Method E415.1**

**Batch ID: R409106**

**Sample ID: HS22050462-02MS**

- MS is for an unrelated sample
-

**ALS Houston, US**

Date: 24-May-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2E12004  
 Sample ID: 2E12004-01  
 Collection Date: 11-May-2022 15:17

**ANALYTICAL REPORT**  
 WorkOrder:HS22050742  
 Lab ID:HS22050742-01  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: PPM
Ethane	ND		1.00	ug/L	1	20-May-2022 12:46
Ethene	ND		1.00	ug/L	1	20-May-2022 12:46
<b>Methane</b>	<b>1,590</b>		<b>50.0</b>	<b>ug/L</b>	100	20-May-2022 15:03
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: SB
<b>Organic Carbon, Total</b>	<b>179</b>		<b>10.0</b>	<b>mg/L</b>	10	21-May-2022 00:53

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 24-May-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2E12004  
 Sample ID: 2E12004-02  
 Collection Date: 11-May-2022 15:52

**ANALYTICAL REPORT**

WorkOrder:HS22050742  
 Lab ID:HS22050742-02  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: PPM
Ethane	ND		1.00	ug/L	1	20-May-2022 12:55
Ethene	5.79		1.00	ug/L	1	20-May-2022 12:55
Methane	605		25.0	ug/L	50	20-May-2022 15:14
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: SB
Organic Carbon, Total	27.8		10.0	mg/L	10	21-May-2022 01:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.



ALS Houston, US

Date: 24-May-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2E12004  
**WorkOrder:** HS22050742

**DATES REPORT**

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
<b>Batch ID:</b> R409022 ( 0 )		<b>Test Name :</b> DISSOLVED GASES BY RSK-175			<b>Matrix:</b> Water	
HS22050742-01	2E12004-01	11 May 2022 15:17			20 May 2022 15:03	100
HS22050742-01	2E12004-01	11 May 2022 15:17			20 May 2022 12:46	1
HS22050742-02	2E12004-02	11 May 2022 15:52			20 May 2022 15:14	50
HS22050742-02	2E12004-02	11 May 2022 15:52			20 May 2022 12:55	1
<b>Batch ID:</b> R409106 ( 0 )		<b>Test Name :</b> TOTAL ORGANIC CARBON BY E415.1			<b>Matrix:</b> Water	
HS22050742-01	2E12004-01	11 May 2022 15:17			21 May 2022 00:53	10
HS22050742-02	2E12004-02	11 May 2022 15:52			21 May 2022 01:06	10

**ALS Houston, US**

Date: 24-May-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2E12004  
**WorkOrder:** HS22050742

**QC BATCH REPORT**

**Batch ID:** R409022 ( 0 )      **Instrument:** FID-4      **Method:** DISSOLVED GASES BY RSK-175

<b>MBLK</b>		Sample ID: <b>MBLK-220520</b>		Units: <b>ug/L</b>		Analysis Date: <b>20-May-2022 08:45</b>			
Client ID:		Run ID: <b>FID-4_409022</b>		SeqNo: <b>6656352</b>		PrepDate:		DF: <b>1</b>	
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							

<b>LCS</b>		Sample ID: <b>LCS-220520</b>		Units: <b>ug/L</b>		Analysis Date: <b>20-May-2022 09:01</b>			
Client ID:		Run ID: <b>FID-4_409022</b>		SeqNo: <b>6656353</b>		PrepDate:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	15.16	1.00	18.04	0	84.0	75 - 125			
Ethene	13.26	1.00	16.8	0	79.0	75 - 125			
Methane	8.164	0.500	9.647	0	84.6	75 - 125			

<b>LCS D</b>		Sample ID: <b>LCS D-220520</b>		Units: <b>ug/L</b>		Analysis Date: <b>20-May-2022 09:13</b>			
Client ID:		Run ID: <b>FID-4_409022</b>		SeqNo: <b>6656354</b>		PrepDate:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	18.87	1.00	18.04	0	105	75 - 125	15.16	21.9	30
Ethene	16.62	1.00	16.8	0	98.9	75 - 125	13.26	22.5	30
Methane	9.872	0.500	9.647	0	102	75 - 125	8.164	18.9	30

<b>DUP</b>		Sample ID: <b>HS22050729-03DUP</b>		Units: <b>ug/L</b>		Analysis Date: <b>20-May-2022 12:36</b>			
Client ID:		Run ID: <b>FID-4_409022</b>		SeqNo: <b>6656370</b>		PrepDate:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	ND	1.00					0	0	30
Ethene	ND	1.00					1.431	0	30
Methane	11.82	0.500					12.04	1.81	30

The following samples were analyzed in this batch: HS22050742-01      HS22050742-02

**ALS Houston, US**

Date: 24-May-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2E12004  
**WorkOrder:** HS22050742

**QC BATCH REPORT**

<b>Batch ID:</b> R409106 ( 0 )	<b>Instrument:</b> TOC_04	<b>Method:</b> TOTAL ORGANIC CARBON BY E415.1
--------------------------------	---------------------------	---

<b>MBLK</b>	Sample ID: <b>MBLK-05132022</b>	Units: <b>mg/L</b>	Analysis Date: <b>20-May-2022 23:03</b>							
Client ID:	Run ID: <b>TOC_04_409106</b>	SeqNo: <b>6658230</b>	PrepDate: DF: <b>1</b>							
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

<b>LCS</b>	Sample ID: <b>LCS-05132022</b>	Units: <b>mg/L</b>	Analysis Date: <b>20-May-2022 23:17</b>							
Client ID:	Run ID: <b>TOC_04_409106</b>	SeqNo: <b>6658231</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Organic Carbon, Total 9.63 1.00 10 0 96.3 85 - 115

<b>LCSD</b>	Sample ID: <b>LCSD-05132022</b>	Units: <b>mg/L</b>	Analysis Date: <b>20-May-2022 23:30</b>							
Client ID:	Run ID: <b>TOC_04_409106</b>	SeqNo: <b>6658232</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Organic Carbon, Total 9.603 1.00 10 0 96.0 85 - 115 9.63 0.281 20

<b>MS</b>	Sample ID: <b>HS22050462-02MS</b>	Units: <b>mg/L</b>	Analysis Date: <b>21-May-2022 00:07</b>							
Client ID:	Run ID: <b>TOC_04_409106</b>	SeqNo: <b>6658234</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Organic Carbon, Total 945.1 1.00 10 902.8 423 80 - 120 SEO

The following samples were analyzed in this batch: HS22050742-01 HS22050742-02

**ALS Houston, US**

Date: 24-May-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2E12004  
**WorkOrder:** HS22050742

**QUALIFIERS,  
ACRONYMS, UNITS**

<b>Qualifier</b>	<b>Description</b>
*	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

<b>Acronym</b>	<b>Description</b>
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: 24-May-22

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**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

<b>Agency</b>	<b>Number</b>	<b>Expire Date</b>
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-34	30-Jun-2022
Illinois	2000322022-9	09-May-2023
Kansas	E-10352 2021-2022	31-Jul-2022
Louisiana	03087, 2021-2022	30-Jun-2022
Maryland	343, 2021-2022	30-Jun-2022
North Carolina	624-2022	31-Dec-2022
Oklahoma	2021-080	31-Aug-2022
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932021-12	30-Jul-2022

ALS Houston, US

Date: 24-May-22

Sample Receipt Checklist

Work Order ID: HS22050742

Date/Time Received: 17-May-2022 09:20

Client Name: Permian Basin Lab

Received by: Paresh M. Giga

Completed By: /S/ Nilesch D. Ranchod 17-May-2022 11:42 eSignature Date/Time
Reviewed by: /S/ Bernadette A. Fini 18-May-2022 08:38 eSignature Date/Time

Matrices: Water

Carrier name: FedEx Priority Overnight

- Shipping container/cooler in good condition? Yes [checked] No [ ] Not Present [ ]
Custody seals intact on shipping container/cooler? Yes [ ] No [ ] Not Present [checked]
Custody seals intact on sample bottles? Yes [ ] No [ ] Not Present [checked]
VOA/TX1005/TX1006 Solids in hermetically sealed vials? Yes [ ] No [ ] Not Present [checked]
Chain of custody present? Yes [checked] No [ ] 1 Page(s)
Chain of custody signed when relinquished and received? Yes [checked] No [ ] COC
Samplers name present on COC? Yes [ ] No [checked] IDs:PRELAB\_SUB\_COC\_V2
Chain of custody agrees with sample labels? Yes [checked] No [ ]
Samples in proper container/bottle? Yes [checked] No [ ]
Sample containers intact? Yes [checked] No [ ]
Sufficient sample volume for indicated test? Yes [checked] No [ ]
All samples received within holding time? Yes [checked] No [ ]
Container/Temp Blank temperature in compliance? Yes [checked] No [ ]

1.3C/1.8C UC/C IR #31
RED
05/17/2022 11:50

- Water - VOA vials have zero headspace? Yes [checked] No [ ] No VOA vials submitted [ ]
Water - pH acceptable upon receipt? Yes [checked] No [ ] N/A [ ]
pH adjusted? Yes [ ] No [checked] N/A [ ]

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:







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



# Analytical Report

**Prepared for:**

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

Project: 97-17  
Project Number: TNM 97-17  
Location: Lea County, New Mexico  
Lab Order Number: 2E13005



**Current Certification**

Report Date: 05/24/22

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

Project: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-27	2E13005-01	Water	05/11/22 09:24	05-13-2022 08:55
MW-23	2E13005-02	Water	05/11/22 09:41	05-13-2022 08:55
MW-20	2E13005-03	Water	05/11/22 09:57	05-13-2022 08:55
RW-1	2E13005-04	Water	05/11/22 10:45	05-13-2022 08:55
MW-15	2E13005-05	Water	05/11/22 11:07	05-13-2022 08:55
RW-6	2E13005-06	Water	05/11/22 11:50	05-13-2022 08:55
MW-14	2E13005-07	Water	05/11/22 12:10	05-13-2022 08:55
RW-5	2E13005-08	Water	05/11/22 12:50	05-13-2022 08:55
RW-4	2E13005-09	Water	05/11/22 13:06	05-13-2022 08:55
MW-4	2E13005-10	Water	05/11/22 13:38	05-13-2022 08:55

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

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-27**  
**2E13005-01 (Water)**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:06	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:06	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:06	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:06	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:06	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		93.0 %	80-120		P2E1311	05/13/22 16:46	05/14/22 09:06	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.3 %	80-120		P2E1311	05/13/22 16:46	05/14/22 09:06	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-23**  
**2E13005-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:27	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:27	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:27	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:27	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:27	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.0 %			<i>P2E1311</i>	<i>05/13/22 16:46</i>	<i>05/14/22 09:27</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		97.2 %			<i>P2E1311</i>	<i>05/13/22 16:46</i>	<i>05/14/22 09:27</i>	<i>EPA 8021B</i>	

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TRC Solutions- Midland, Texas 10 Desta Dr STE 150E Midland TX, 79705	Project: 97-17 Project Number: TNM 97-17 Project Manager: Curt Stanley
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**MW-20**  
**2E13005-03 (Water)**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 09:48	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.3 %			<i>P2E1311</i>	<i>05/13/22 16:46</i>	<i>05/14/22 09:48</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		96.2 %			<i>P2E1311</i>	<i>05/13/22 16:46</i>	<i>05/14/22 09:48</i>	<i>EPA 8021B</i>	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas  
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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW-1**  
**2E13005-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.00114</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 10:09	EPA 8021B	
<b>Toluene</b>	<b>0.00120</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 10:09	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.00190</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 10:09	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.00217</b>	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 10:09	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00272</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 10:09	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	80-120		P2E1311	05/13/22 16:46	05/14/22 10:09	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		97.2 %	80-120		P2E1311	05/13/22 16:46	05/14/22 10:09	EPA 8021B	

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-15**  
**2E13005-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.0223</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:13	EPA 8021B	
<b>Toluene</b>	<b>0.0121</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:13	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0154</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:13	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0425</b>	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:13	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0336</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:13	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.4 %	80-120		P2E1311	05/13/22 16:46	05/14/22 11:13	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		89.1 %	80-120		P2E1311	05/13/22 16:46	05/14/22 11:13	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas  
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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW-6**  
**2E13005-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.0498</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:34	EPA 8021B	
<b>Toluene</b>	<b>0.00703</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:34	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0110</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:34	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0192</b>	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:34	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0110</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:34	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		110 %	80-120		P2E1311	05/13/22 16:46	05/14/22 11:34	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		92.4 %	80-120		P2E1311	05/13/22 16:46	05/14/22 11:34	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-14**  
**2E13005-07 (Water)**

**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							
<b>Benzene</b>	<b>0.270</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:55	EPA 8021B	
<b>Toluene</b>	<b>0.00775</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:55	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.221</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:55	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0864</b>	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:55	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0107</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 11:55	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.9 %	80-120		P2E1311	05/13/22 16:46	05/14/22 11:55	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		92.4 %	80-120		P2E1311	05/13/22 16:46	05/14/22 11:55	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas  
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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW-5**  
**2E13005-08 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.254</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:16	EPA 8021B	
<b>Toluene</b>	<b>0.00268</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:16	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0241</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:16	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0308</b>	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:16	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0138</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:16	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	80-120		P2E1311	05/13/22 16:46	05/14/22 12:16	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		96.1 %	80-120		P2E1311	05/13/22 16:46	05/14/22 12:16	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW-4**  
**2E13005-09 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.377</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:37	EPA 8021B	
<b>Toluene</b>	<b>0.00394</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:37	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.219</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:37	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0977</b>	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:37	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00818</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:37	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.9 %	80-120		P2E1311	05/13/22 16:46	05/14/22 12:37	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		95.1 %	80-120		P2E1311	05/13/22 16:46	05/14/22 12:37	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-4**  
**2E13005-10 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>2.44</b>	0.0100	mg/L	10	P2E1311	05/13/22 16:46	05/16/22 10:30	EPA 8021B	
<b>Toluene</b>	<b>0.0201</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:58	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0469</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:58	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.136</b>	0.00200	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:58	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0218</b>	0.00100	mg/L	1	P2E1311	05/13/22 16:46	05/14/22 12:58	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.9 %	80-120		<i>P2E1311</i>	<i>05/13/22 16:46</i>	<i>05/14/22 12:58</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		86.0 %	80-120		<i>P2E1311</i>	<i>05/13/22 16:46</i>	<i>05/14/22 12:58</i>	<i>EPA 8021B</i>	

Permian Basin Environmental Lab, L.P.

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Midland TX, 79705

Project: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
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**Batch P2E1311 - General Preparation (GC)**

**Blank (P2E1311-BLK1)**

Prepared: 05/13/22 Analyzed: 05/14/22

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	0.116		"	0.120		96.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.2	80-120			

**LCS (P2E1311-BS1)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.3	80-120			

**LCS Dup (P2E1311-BSD1)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.111	0.00100	mg/L	0.100		111	80-120	7.88	20	
Toluene	0.113	0.00100	"	0.100		113	80-120	6.51	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120	2.88	20	
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120	6.46	20	
Xylene (o)	0.117	0.00100	"	0.100		117	80-120	7.14	20	
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.9	80-120			

**Calibration Blank (P2E1311-CCB1)**

Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.330		ug/l							
Toluene	0.230		"							
Ethylbenzene	0.440		"							
Xylene (p/m)	0.560		"							
Xylene (o)	0.380		"							
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.3	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	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: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2E1311 - General Preparation (GC)**

**Calibration Blank (P2E1311-CCB2)** Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.180		ug/l							
Toluene	0.310		"							
Ethylbenzene	0.370		"							
Xylene (p/m)	0.880		"							
Xylene (o)	0.450		"							
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	80-120			

**Calibration Check (P2E1311-CCV1)** Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.104	0.00100	mg/L	0.102		102	80-120			
Toluene	0.107	0.00100	"	0.102		104	80-120			
Ethylbenzene	0.110	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.220	0.00200	"	0.204		108	80-120			
Xylene (o)	0.111	0.00100	"	0.102		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		99.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.0	80-120			

**Calibration Check (P2E1311-CCV2)** Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.101	0.00100	mg/L	0.102		98.9	80-120			
Toluene	0.100	0.00100	"	0.102		98.5	80-120			
Ethylbenzene	0.101	0.00100	"	0.102		99.2	80-120			
Xylene (p/m)	0.203	0.00200	"	0.204		99.7	80-120			
Xylene (o)	0.103	0.00100	"	0.102		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.5	80-120			

**Calibration Check (P2E1311-CCV3)** Prepared: 05/13/22 Analyzed: 05/14/22

Benzene	0.103	0.00100	mg/L	0.102		101	80-120			
Toluene	0.101	0.00100	"	0.102		99.2	80-120			
Ethylbenzene	0.103	0.00100	"	0.102		101	80-120			
Xylene (p/m)	0.206	0.00200	"	0.204		101	80-120			
Xylene (o)	0.106	0.00100	"	0.102		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.114		"	0.120		95.4	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		98.8	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: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2E1311 - General Preparation (GC)**

<b>Matrix Spike (P2E1311-MS1)</b>	<b>Source: 2E11001-01</b>			Prepared: 05/13/22 Analyzed: 05/14/22					
Benzene	0.111	0.00100	mg/L	0.100	ND	111	80-120		
Toluene	0.102	0.00100	"	0.100	ND	102	80-120		
Ethylbenzene	0.111	0.00100	"	0.100	ND	111	80-120		
Xylene (p/m)	0.208	0.00200	"	0.200	ND	104	80-120		
Xylene (o)	0.107	0.00100	"	0.100	ND	107	80-120		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.116</i>		<i>"</i>	<i>0.120</i>		<i>97.0</i>	<i>80-120</i>		
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.120</i>		<i>"</i>	<i>0.120</i>		<i>99.8</i>	<i>80-120</i>		

<b>Matrix Spike Dup (P2E1311-MSD1)</b>	<b>Source: 2E11001-01</b>			Prepared: 05/13/22 Analyzed: 05/14/22					
Benzene	0.113	0.00100	mg/L	0.100	ND	113	80-120	2.23	20
Toluene	0.102	0.00100	"	0.100	ND	102	80-120	0.128	20
Ethylbenzene	0.109	0.00100	"	0.100	ND	109	80-120	1.84	20
Xylene (p/m)	0.203	0.00200	"	0.200	ND	101	80-120	2.43	20
Xylene (o)	0.105	0.00100	"	0.100	ND	105	80-120	1.80	20
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.114</i>		<i>"</i>	<i>0.120</i>		<i>95.1</i>	<i>80-120</i>		
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.119</i>		<i>"</i>	<i>0.120</i>		<i>99.1</i>	<i>80-120</i>		

Permian Basin Environmental Lab, L.P.

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

Project: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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: 5/24/2022

Brent Barron, Laboratory Director/Technical Director

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



# Analytical Report Rev. 1

**Prepared for:**

Curt Stanley

TRC Solutions- Midland, Texas

10 Desta Dr STE 150E

Midland, TX 79705

Project: 97-17\_MNA

Project Number: TNM 97-17

Location: Lea County, NM

Lab Order Number: 2H18002



**Current Certification**

Report Date: 08/31/22

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-11	2H18002-01	Water	08/17/22 11:00	08-18-2022 08:52
MW-25	2H18002-02	Water	08/17/22 11:55	08-18-2022 08:52
RW-3	2H18002-03	Water	08/17/22 12:50	08-18-2022 08:52
MW-5	2H18002-04	Water	08/17/22 13:45	08-18-2022 08:52
MW-19	2H18002-05	Water	08/17/22 14:45	08-18-2022 08:52
MW-7	2H18002-06	Water	08/17/22 15:35	08-18-2022 08:52

On 08/31/2022 Pbelab staff was advised that Benzene was missing for Sample 2H18002-05. This report reflects that correction.

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-11**  
**2H18002-01 (Water)**

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.00548</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 17:49	EPA 8021B	
<b>Toluene</b>	<b>0.0161</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 17:49	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.00335</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 17:49	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.00613</b>	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 17:49	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00331</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 17:49	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %			P2H2406	08/24/22 11:11	08/24/22 17:49	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		90.0 %			P2H2406	08/24/22 11:11	08/24/22 17:49	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 13:08	8015M	SUB-13
<b>Ethene</b>	<b>0.00233</b>	0.00100	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 13:08	8015M	SUB-13
<b>Methane</b>	<b>0.00178</b>	0.000500	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 13:08	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>106</b>	10.0	mg/L	1	P2H2502	08/25/22 08:22	08/26/22 15:41	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2H1803	08/18/22 13:25	08/18/22 17:48	EPA 300.0	
<b>Sulfate</b>	<b>2060</b>	100	mg/L	100	P2H1902	08/19/22 08:32	08/19/22 13:27	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2H3009	08/30/22 15:36	08/27/22 08:42	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.200	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:48	EPA 6010B	QAL1
<b>Manganese</b>	<b>0.0132</b>	0.100	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:48	EPA 6010B	J, QAL1

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas  
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Midland TX, 79705

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-25**  
**2H18002-02 (Water)**

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.00120</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:11	EPA 8021B	
<b>Toluene</b>	<b>0.00207</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:11	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:11	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:11	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:11	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %			<i>P2H2406</i>	<i>08/24/22 11:11</i>	<i>08/24/22 18:11</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		97.3 %			<i>P2H2406</i>	<i>08/24/22 11:11</i>	<i>08/24/22 18:11</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00700	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 13:22	8015M	SUB-13
<b>Ethene</b>	<b>0.00749</b>	0.00400	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 15:23	8015M	SUB-13
<b>Methane</b>	<b>0.0436</b>	0.00200	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 15:23	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>152</b>	10.0	mg/L	1	P2H2502	08/25/22 08:22	08/26/22 15:41	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2H1803	08/18/22 13:25	08/18/22 19:15	EPA 300.0	
<b>Sulfate</b>	<b>1690</b>	100	mg/L	100	P2H1902	08/19/22 08:32	08/19/22 13:56	EPA 300.0	
<b>Total Organic Carbon</b>	<b>23.8</b>	10.0	mg/L	1	P2H3009	08/30/22 15:36	08/27/22 08:56	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.200	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:51	EPA 6010B	QAL1
<b>Manganese</b>	<b>0.0299</b>	0.100	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:51	EPA 6010B	J, QAL1

Permian Basin Environmental Lab, L.P.

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Midland TX, 79705

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**RW-3**  
**2H18002-03 (Water)**

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.213</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:32	EPA 8021B	
<b>Toluene</b>	<b>0.00131</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:32	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:32	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.00201</b>	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:32	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:32	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>96.0 %</i>	<i>80-120</i>			<i>P2H2406</i>	<i>08/24/22 11:11</i>	<i>08/24/22 18:32</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>85.0 %</i>	<i>80-120</i>			<i>P2H2406</i>	<i>08/24/22 11:11</i>	<i>08/24/22 18:32</i>	<i>EPA 8021B</i>	
<b>Ethane</b>	<b>0.00199</b>	0.00100	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 13:35	8015M	SUB-13
<b>Ethene</b>	<b>0.00541</b>	0.00100	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 13:35	8015M	SUB-13
<b>Methane</b>	<b>0.761</b>	0.00250	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 15:33	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>330</b>	10.0	mg/L	1	P2H2502	08/25/22 08:22	08/26/22 15:41	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2H1803	08/18/22 13:25	08/18/22 19:44	EPA 300.0	
<b>Sulfate</b>	<b>1750</b>	100	mg/L	100	P2H1902	08/19/22 08:32	08/19/22 14:25	EPA 300.0	
<b>Total Organic Carbon</b>	<b>61.1</b>	10.0	mg/L	1	P2H3009	08/30/22 15:36	08/27/22 09:07	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.200	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:54	EPA 6010B	QAL1
<b>Manganese</b>	<b>0.00974</b>	0.100	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:54	EPA 6010B	J, QAL1

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-5**  
**2H18002-04 (Water)**

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.00212</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:54	EPA 8021B	
<b>Toluene</b>	<b>0.00125</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:54	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:54	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:54	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 18:54	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %			<i>P2H2406</i>	<i>08/24/22 11:11</i>	<i>08/24/22 18:54</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		88.1 %			<i>P2H2406</i>	<i>08/24/22 11:11</i>	<i>08/24/22 18:54</i>	<i>EPA 8021B</i>	
Ethane	ND	0.00100	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 13:46	8015M	SUB-13
<b>Ethene</b>	<b>0.00351</b>	0.00100	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 13:46	8015M	SUB-13
<b>Methane</b>	<b>0.314</b>	0.00125	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 15:43	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>184</b>	10.0	mg/L	1	P2H2502	08/25/22 08:22	08/26/22 15:41	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2H1803	08/18/22 13:25	08/18/22 20:13	EPA 300.0	
<b>Sulfate</b>	<b>2400</b>	100	mg/L	100	P2H1902	08/19/22 08:32	08/19/22 14:54	EPA 300.0	
<b>Total Organic Carbon</b>	<b>61.1</b>	10.0	mg/L	1	P2H3009	08/30/22 15:36	08/27/22 09:19	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.200	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:58	EPA 6010B	QAL1
<b>Manganese</b>	<b>0.00662</b>	0.100	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 15:58	EPA 6010B	J, QAL1

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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-19**  
**2H18002-05 (Water)**

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.122</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 19:15	EPA 8021B	
<b>Toluene</b>	<b>0.00140</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 19:15	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.00211</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 19:15	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 19:15	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 19:15	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	80-120		P2H2406	08/24/22 11:11	08/24/22 19:15	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		84.8 %	80-120		P2H2406	08/24/22 11:11	08/24/22 19:15	EPA 8021B	
<b>Ethane</b>	<b>0.00398</b>	0.00100	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 13:54	8015M	SUB-13
<b>Ethene</b>	<b>0.101</b>	0.100	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 15:55	8015M	SUB-13
<b>Methane</b>	<b>1.54</b>	0.00500	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 15:55	8015M	SUB-13

**General Chemistry Parameters by EPA/ Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>534</b>	10.0	mg/L	1	P2H2502	08/25/22 08:22	08/26/22 15:41	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2H1803	08/18/22 13:25	08/18/22 20:42	EPA 300.0	
<b>Sulfate</b>	<b>929</b>	100	mg/L	100	P2H1902	08/19/22 08:32	08/19/22 15:23	EPA 300.0	
<b>Total Organic Carbon</b>	<b>132</b>	10.0	mg/L	1	P2H3009	08/30/22 15:36	08/27/22 09:30	EPA 415.1	SUB-13

**Dissolved Metals by EPA/ Standard Methods**

Iron	ND	0.200	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 16:07	EPA 6010B	QAL1
<b>Manganese</b>	<b>0.00705</b>	0.100	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 16:07	EPA 6010B	J, QAL1

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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-7**  
**2H18002-06 (Water)**

Analyte	Limit Result	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>1.02</b>	0.00500	mg/L	5	P2H2406	08/24/22 11:11	08/25/22 10:24	EPA 8021B	
<b>Toluene</b>	<b>0.00108</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 19:36	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0161</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 19:36	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.00727</b>	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 19:36	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 19:36	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %	80-120			P2H2406	08/24/22 11:11	08/24/22 19:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	89.9 %	80-120			P2H2406	08/24/22 11:11	08/24/22 19:36	EPA 8021B	
<b>Ethane</b>	<b>0.00324</b>	0.00100	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 14:19	8015M	SUB-13
<b>Ethene</b>	<b>0.123</b>	0.100	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 16:04	8015M	SUB-13
<b>Methane</b>	<b>0.980</b>	0.00500	mg/L	1	P2H3009	08/30/22 15:36	08/25/22 16:04	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>296</b>	10.0	mg/L	1	P2H2502	08/25/22 08:22	08/26/22 15:41	8000	QAL1
Nitrate as N	ND	0.200	mg/L	1	P2H1803	08/18/22 13:25	08/18/22 21:11	EPA 300.0	
<b>Sulfate</b>	<b>1710</b>	100	mg/L	100	P2H1902	08/19/22 08:32	08/19/22 15:52	EPA 300.0	
<b>Total Organic Carbon</b>	<b>37.8</b>	10.0	mg/L	1	P2H3009	08/30/22 15:36	08/27/22 10:27	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.200	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 16:10	EPA 6010B	QAL1
<b>Manganese</b>	<b>0.00477</b>	0.100	mg/L	1	P2H2505	08/25/22 10:11	08/25/22 16:10	EPA 6010B	J, QAL1

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Midland TX, 79705

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
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**Batch P2H2406 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2H2406-BLK1)**

Prepared & Analyzed: 08/24/22

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	0.00112	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		100	80-120			

**LCS (P2H2406-BS1)**

Prepared & Analyzed: 08/24/22

Benzene	0.109	0.00100	mg/L	0.100		109	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.1	80-120			

**LCS Dup (P2H2406-BSD1)**

Prepared & Analyzed: 08/24/22

Benzene	0.111	0.00100	mg/L	0.100		111	80-120	2.34	20	
Toluene	0.106	0.00100	"	0.100		106	80-120	2.31	20	
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120	4.54	20	
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120	2.12	20	
Xylene (o)	0.105	0.00100	"	0.100		105	80-120	2.22	20	
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.2	80-120			

**Calibration Blank (P2H2406-CCB1)**

Prepared & Analyzed: 08/24/22

Benzene	0.210		ug/l							
Toluene	0.240		"							
Ethylbenzene	0.570		"							
Xylene (p/m)	1.46		"							
Xylene (o)	0.860		"							
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.1	80-120			

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 Midland TX, 79705

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2H2406 - \*\*\* DEFAULT PREP \*\*\***

**Calibration Blank (P2H2406-CCB2)**

Prepared & Analyzed: 08/24/22

Benzene	0.380		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.760		"							
Xylene (p/m)	1.71		"							
Xylene (o)	1.25		"							
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.2	80-120			

**Calibration Check (P2H2406-CCV1)**

Prepared & Analyzed: 08/24/22

Benzene	0.111	0.00100	mg/L	0.102		109	80-120			
Toluene	0.105	0.00100	"	0.102		103	80-120			
Ethylbenzene	0.111	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.217	0.00200	"	0.204		106	80-120			
Xylene (o)	0.103	0.00100	"	0.102		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.5	80-120			

**Calibration Check (P2H2406-CCV2)**

Prepared & Analyzed: 08/24/22

Benzene	0.108	0.00100	mg/L	0.102		106	80-120			
Toluene	0.0998	0.00100	"	0.102		97.9	80-120			
Ethylbenzene	0.112	0.00100	"	0.102		109	80-120			
Xylene (p/m)	0.216	0.00200	"	0.204		106	80-120			
Xylene (o)	0.0989	0.00100	"	0.102		96.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.133		"	0.120		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.9	80-120			

**Calibration Check (P2H2406-CCV3)**

Prepared: 08/24/22 Analyzed: 08/25/22

Benzene	0.110	0.00100	mg/L	0.102		107	80-120			
Toluene	0.102	0.00100	"	0.102		99.7	80-120			
Ethylbenzene	0.113	0.00100	"	0.102		111	80-120			
Xylene (p/m)	0.220	0.00200	"	0.204		108	80-120			
Xylene (o)	0.0994	0.00100	"	0.102		97.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.135		"	0.120		112	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.6	80-120			

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 Midland TX, 79705

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2H2406 - \*\*\* DEFAULT PREP \*\*\***

<b>Matrix Spike (P2H2406-MS1)</b>	<b>Source: 2H18002-01</b>			Prepared: 08/24/22 Analyzed: 08/25/22						
Benzene	0.119	0.00100	mg/L	0.100	0.00548	114	80-120			
Toluene	0.111	0.00100	"	0.100	0.0161	94.7	80-120			
Ethylbenzene	0.118	0.00100	"	0.100	0.00335	115	80-120			
Xylene (p/m)	0.226	0.00200	"	0.200	0.00613	110	80-120			
Xylene (o)	0.103	0.00100	"	0.100	0.00331	100	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.8	80-120			

<b>Matrix Spike Dup (P2H2406-MSD1)</b>	<b>Source: 2H18002-01</b>			Prepared: 08/24/22 Analyzed: 08/25/22						
Benzene	0.106	0.00100	mg/L	0.100	0.00548	101	80-120	12.0	20	
Toluene	0.0960	0.00100	"	0.100	0.0161	79.9	80-120	17.0	20	QM-07
Ethylbenzene	0.102	0.00100	"	0.100	0.00335	98.7	80-120	15.2	20	
Xylene (p/m)	0.203	0.00200	"	0.200	0.00613	98.4	80-120	10.9	20	
Xylene (o)	0.0908	0.00100	"	0.100	0.00331	87.4	80-120	13.4	20	
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.1	80-120			

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TRC Solutions- Midland, Texas  
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 Midland TX, 79705

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
<b>Batch P2H1803 - *** DEFAULT PREP ***</b>										
<b>Blank (P2H1803-BLK1)</b> Prepared & Analyzed: 08/18/22										
Nitrate as N	ND	0.200	mg/L							
<b>LCS (P2H1803-BS1)</b> Prepared & Analyzed: 08/18/22										
Nitrate as N	2.11	0.200	mg/L	2.00		105	90-110			
<b>LCS Dup (P2H1803-BSD1)</b> Prepared & Analyzed: 08/18/22										
Nitrate as N	1.96	0.200	mg/L	2.00		98.0	90-110	7.37	10	
<b>Calibration Blank (P2H1803-CCB1)</b> Prepared & Analyzed: 08/18/22										
Nitrate as N	0.00		mg/L							
<b>Calibration Check (P2H1803-CCV1)</b> Prepared & Analyzed: 08/18/22										
Nitrate as N	1.86		mg/L	2.00		92.8	90-110			
<b>Calibration Check (P2H1803-CCV2)</b> Prepared & Analyzed: 08/18/22										
Nitrate as N	1.91		mg/L	2.00		95.6	90-110			
<b>Matrix Spike (P2H1803-MS1)</b> Source: 2H18002-01 Prepared & Analyzed: 08/18/22										
Nitrate as N	0.203	0.200	mg/L	0.200	ND	102	80-120			
<b>Matrix Spike Dup (P2H1803-MSD1)</b> Source: 2H18002-01 Prepared & Analyzed: 08/18/22										
Nitrate as N	0.199	0.200	mg/L	0.200	ND	99.5	80-120	1.99	20	
<b>Batch P2H1902 - *** DEFAULT PREP ***</b>										
<b>Blank (P2H1902-BLK1)</b> Prepared & Analyzed: 08/19/22										
Sulfate	ND	1.00	mg/L							

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TRC Solutions- Midland, Texas	Project: 97-17_MNA
10 Desta Dr STE 150E	Project Number: TNM 97-17
Midland TX, 79705	Project Manager: Curt Stanley

**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
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**Batch P2H1902 - \*\*\* DEFAULT PREP \*\*\***

<b>LCS (P2H1902-BS1)</b>				Prepared & Analyzed: 08/19/22						
Sulfate	20.3	1.00	mg/L	20.0		101	90-110			
<b>LCS Dup (P2H1902-BSD1)</b>				Prepared & Analyzed: 08/19/22						
Sulfate	20.2	1.00	mg/L	20.0		101	90-110	0.509	10	
<b>Calibration Blank (P2H1902-CCB1)</b>				Prepared & Analyzed: 08/19/22						
Sulfate	0.0440		mg/L							
<b>Calibration Check (P2H1902-CCV1)</b>				Prepared & Analyzed: 08/19/22						
Sulfate	19.6		mg/L	20.0		98.0	90-110			
<b>Calibration Check (P2H1902-CCV2)</b>				Prepared & Analyzed: 08/19/22						
Sulfate	20.0		mg/L	20.0		100	90-110			
<b>Matrix Spike (P2H1902-MS1)</b>		<b>Source: 2H02002-08</b>		Prepared & Analyzed: 08/19/22						
Sulfate	8.00	1.00	mg/L	2.00	6.14	93.2	80-120			
<b>Matrix Spike Dup (P2H1902-MSD1)</b>		<b>Source: 2H02002-08</b>		Prepared & Analyzed: 08/19/22						
Sulfate	7.98	1.00	mg/L	2.00	6.14	92.1	80-120	0.275	20	

**Batch P2H2502 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P2H2502-BLK1)</b>				Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	ND	10.0	mg/L							QAL1
<b>LCS (P2H2502-BS1)</b>				Prepared: 08/25/22 Analyzed: 08/26/22						
Chemical Oxygen Demand	97.0	10.0	mg/L	100		97.0	80-120			QAL1

Permian Basin Environmental Lab, L.P.

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Midland TX, 79705

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
<b>Batch P2H2502 - *** DEFAULT PREP ***</b>										
<b>LCS (P2H2502-BS2)</b> Prepared: 08/25/22 Analyzed: 08/26/22										
Chemical Oxygen Demand	1060	10.0	mg/L	1000		106	80-120			QAL1
<b>LCS Dup (P2H2502-BSD1)</b> Prepared: 08/25/22 Analyzed: 08/26/22										
Chemical Oxygen Demand	103	10.0	mg/L	100		103	80-120	6.00	20	QAL1
<b>LCS Dup (P2H2502-BSD2)</b> Prepared: 08/25/22 Analyzed: 08/26/22										
Chemical Oxygen Demand	1100	10.0	mg/L	1000		110	80-120	2.87	20	QAL1
<b>Calibration Check (P2H2502-CCV1)</b> Prepared: 08/25/22 Analyzed: 08/26/22										
Chemical Oxygen Demand	100	10.0	mg/L				80-120			QAL1
<b>Calibration Check (P2H2502-CCV2)</b> Prepared: 08/25/22 Analyzed: 08/26/22										
Chemical Oxygen Demand	1160	10.0	mg/L				80-120			QAL1
<b>Calibration Check (P2H2502-CCV3)</b> Prepared: 08/25/22 Analyzed: 08/26/22										
Chemical Oxygen Demand	ND	10.0	mg/L				80-120			QAL1
<b>Calibration Check (P2H2502-CCV4)</b> Prepared: 08/25/22 Analyzed: 08/26/22										
Chemical Oxygen Demand	ND	10.0	mg/L				80-120			QAL1
<b>Duplicate (P2H2502-DUP1)</b> Source: 2H10003-01 Prepared: 08/25/22 Analyzed: 08/26/22										
Chemical Oxygen Demand	ND	10.0	mg/L		ND				20	QAL1
<b>Duplicate (P2H2502-DUP2)</b> Source: 2H16012-01 Prepared: 08/25/22 Analyzed: 08/26/22										
Chemical Oxygen Demand	ND	10.0	mg/L		6760				20	QAL1
<b>Matrix Spike (P2H2502-MS1)</b> Source: 2H10003-01 Prepared: 08/25/22 Analyzed: 08/26/22										
Chemical Oxygen Demand	107	10.0	mg/L	100	ND	107	80-120			QAL1

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 Midland TX, 79705

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2H2502 - \*\*\* DEFAULT PREP \*\*\***

<b>Matrix Spike (P2H2502-MS2)</b>		<b>Source: 2H16012-01</b>		Prepared: 08/25/22		Analyzed: 08/26/22				
Chemical Oxygen Demand	8850	10.0	mg/L	10000	6760	20.9	80-120			QAL1
<b>Matrix Spike Dup (P2H2502-MSD1)</b>		<b>Source: 2H10003-01</b>		Prepared: 08/25/22		Analyzed: 08/26/22				
Chemical Oxygen Demand	105	10.0	mg/L	100	ND	105	80-120	1.89	20	QAL1
<b>Matrix Spike Dup (P2H2502-MSD2)</b>		<b>Source: 2H16012-01</b>		Prepared: 08/25/22		Analyzed: 08/26/22				
Chemical Oxygen Demand	9380	10.0	mg/L	10000	6760	26.2	80-120	5.81	20	QAL1

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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**Dissolved Metals 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
<b>Batch P2H2505 - *** DEFAULT PREP ***</b>										
<b>Blank (P2H2505-BLK1)</b>										
Prepared & Analyzed: 08/25/22										
Iron	ND	0.200	mg/L							QAL1
Manganese	0.000579	0.100	"							QAL1, J
<b>LCS (P2H2505-BS1)</b>										
Prepared & Analyzed: 08/25/22										
Iron	0.332	0.200	mg/L	0.400		83.1	80-120			QAL1
Manganese	0.163	0.100	"	0.200		81.7	80-120			QAL1
<b>LCS Dup (P2H2505-BSD1)</b>										
Prepared & Analyzed: 08/25/22										
Manganese	0.163	0.100	mg/L	0.200		81.3	80-120	0.465	20	QAL1
Iron	0.344	0.200	"	0.400		86.0	80-120	3.42	20	QAL1
<b>Calibration Blank (P2H2505-CCB1)</b>										
Prepared & Analyzed: 08/25/22										
Iron	0.0157		mg/L							QAL1
Manganese	0.000878		"							QAL1, J
<b>Calibration Blank (P2H2505-CCB2)</b>										
Prepared & Analyzed: 08/25/22										
Iron	0.0189		mg/L							QAL1
Manganese	0.00162		"							QAL1, J
<b>Calibration Blank (P2H2505-CCB3)</b>										
Prepared & Analyzed: 08/25/22										
Iron	0.0196		mg/L							QAL1
Manganese	0.000594		"							QAL1, J
<b>Calibration Check (P2H2505-CCV1)</b>										
Prepared & Analyzed: 08/25/22										
Iron	0.424	0.200	mg/L	0.400		106	80-120			QAL1
Manganese	0.215	0.100	"	0.200		107	80-120			QAL1
<b>Calibration Check (P2H2505-CCV2)</b>										
Prepared & Analyzed: 08/25/22										
Manganese	0.161	0.100	mg/L	0.200		80.5	80-120			QAL1
Iron	0.351	0.200	"	0.400		87.6	80-120			QAL1

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas 10 Desta Dr STE 150E Midland TX, 79705	Project: 97-17_MNA Project Number: TNM 97-17 Project Manager: Curt Stanley
--	--

**Dissolved Metals 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
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**Batch P2H2505 - \*\*\* DEFAULT PREP \*\*\***

<b>Calibration Check (P2H2505-CCV3)</b>				Prepared & Analyzed: 08/25/22						
Manganese	0.164	0.100	mg/L	0.200		82.1	80-120			QAL1
Iron	0.378	0.200	"	0.400		94.6	80-120			QAL1
<b>Matrix Spike (P2H2505-MS1)</b>				Prepared & Analyzed: 08/25/22						
		<b>Source: 2H10003-01</b>								
Manganese	0.161	0.100	mg/L	0.200	0.00837	76.5	75-125			QAL1
Iron	0.653	0.200	"	0.400	0.229	106	75-125			QAL1
<b>Matrix Spike Dup (P2H2505-MSD1)</b>				Prepared & Analyzed: 08/25/22						
		<b>Source: 2H10003-01</b>								
Manganese	0.160	0.100	mg/L	0.200	0.00837	75.9	75-125	0.721	20	QAL1
Iron	0.652	0.200	"	0.400	0.229	106	75-125	0.198	20	QAL1

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**Notes and Definitions**

- SUB-13 Subcontract of analyte/analysis to ALS Houston.
- ROI Received on Ice
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QAL1 The Laboratory is not TNI Certified for this analyte or analysis.
- 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
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- 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: 8/31/2022

Brent Barron, Laboratory Director/Technical Director

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Page 1 of 7

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland, TX 79705

Telephone No: 432 520 7720

Sampler Signature: *[Signature]*

e-mail: [cdstanley@trccompanies.com](mailto:cdstanley@trccompanies.com)  
[cibryant@paalp.com](mailto:cibryant@paalp.com)  
[knudgens@paalp.com](mailto:knudgens@paalp.com)

Report Format:  Standard  TRRP  NPDES

Project Name: 97-17

Project #: TNM 97-17

Project Loc: Lea County, New Mexico

PO #:

MNA

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO <sub>3</sub> (1-250mL)	HCl (6 VOA + 1-250 mL)	H <sub>2</sub> SO <sub>4</sub> (1-250 mL)	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None	Other ( Specify )	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Matrix	TOC SM 5310	Total Dissolved Metals (Fe and Mn) by SW 6010	Dissolved Methane, Ethane, and Ethene by RSK-175	Nitrate and Sulfate by E300	COD by 5310	Total BTEX by 8260	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
1	MMW-11			8-17-22	1106	1	9	X	1	7	1					GW	GW	X	X	X	X	X	X	X	X
2	MMW-25				1155	1	9	X	1	7	1					GW	GW	X	X	X	X	X	X	X	X
3	RW-3				1250	1	9	X	1	7	1					GW	GW	X	X	X	X	X	X	X	X
4	MMW-5				1345	1	9	X	1	7	1					GW	GW	X	X	X	X	X	X	X	X
5	MMW-19				1445	1	9	X	1	7	1					GW	GW	X	X	X	X	X	X	X	X
6	MMW-7				1535	1	9	X	1	7	1					GW	GW	X	X	X	X	X	X	X	X

Special Instructions:

Relinquished by: *[Signature]* Date: 8-18-22 Time: 8:52 Received by: *[Signature]* Date: 8/18/22 Time: 8:52

Relinquished by: *[Signature]* Date: Received by: *[Signature]* Date:

Relinquished by: Date: Received by: *[Signature]* Date: 8/18/22 Time: 8:52

Requested by: *[Signature]* Date: 8/18/22 Time: 8:52

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 by Sampler/Client Rep. ?  Y  N  
by Courier?  Y  N  
UPS  Y  N  
Temperature Upon Receipt:  Y  N  
Adjusted:  Y  N  
°C Factor  Y  N  
DHL  Y  N  
FedEx  Y  N  
Lone Star  Y  N





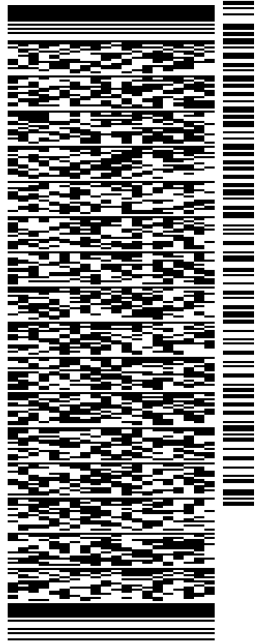
ORIGIN ID:MAEA (432) 686-7235  
BRENT BARRON  
PBE LAB  
1400 RANKIN HWY  
MIDLAND, TX 79701  
UNITED STATES US

SHIP DATE: 18AUG22  
ACTWGT: 13.00 LB  
CAD: 107136946/IN/ET4490  
BILL RECIPIENT

TO **SAMPLE RECEIVING**  
**ALS-HOUSTON**  
**10450 STANCLIFF RD**

**HOUSTON TX 77099**

REF: (281) 530-5615  
INV: PO: DEPT:



J222022041201uv

581J2F39D/FE2D

TRK# 7777 0046 6780  
0201  
FRI - 19 AUG 4:30P  
STANDARD OVERNIGHT

**ABSGRA**  
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**77099**

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



# Analytical Report

**Prepared for:**

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

Project: 97-17  
Project Number: TNM 97-17  
Location: Lea County, New Mexico  
Lab Order Number: 2H19002



**Current Certification**

Report Date: 09/09/22

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

Project: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-10	2H19002-01	Water	08/18/22 12:15	08-19-2022 10:15
MW-21	2H19002-02	Water	08/18/22 12:33	08-19-2022 10:15
MW-26	2H19002-03	Water	08/18/22 13:01	08-19-2022 10:15
MW-20	2H19002-04	Water	08/18/22 13:20	08-19-2022 10:15
RW-1	2H19002-05	Water	08/18/22 13:40	08-19-2022 10:15
MW-15	2H19002-06	Water	08/18/22 13:55	08-19-2022 10:15
RW-6	2H19002-07	Water	08/18/22 14:10	08-19-2022 10:15
RW-5	2H19002-08	Water	08/18/22 14:30	08-19-2022 10:15
MW-14	2H19002-09	Water	08/18/22 14:42	08-19-2022 10:15
RW-4	2H19002-10	Water	08/18/22 14:57	08-19-2022 10:15
MW-4	2H19002-11	Water	08/18/22 15:15	08-19-2022 10:15

TRC Solutions- Midland, Texas  
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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-10**  
**2H19002-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 21:43	EPA 8021B	
<b>Toluene</b>	<b>0.00195</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 21:43	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.00187</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 21:43	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.00325</b>	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 21:43	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00105</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 21:43	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>110 %</i>	<i>80-120</i>			<i>P2H2406</i>	<i>08/24/22 11:11</i>	<i>08/24/22 21:43</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>92.0 %</i>	<i>80-120</i>			<i>P2H2406</i>	<i>08/24/22 11:11</i>	<i>08/24/22 21:43</i>	<i>EPA 8021B</i>	

Permian Basin Environmental Lab, L.P.

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-21**  
**2H19002-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:04	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:04	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:04	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:04	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	110 %		80-120		P2H2406	08/24/22 11:11	08/24/22 22:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	89.3 %		80-120		P2H2406	08/24/22 11:11	08/24/22 22:04	EPA 8021B	

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-26**  
**2H19002-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:25	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:25	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:25	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:25	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		111 %	80-120		P2H2406	08/24/22 11:11	08/24/22 22:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		90.0 %	80-120		P2H2406	08/24/22 11:11	08/24/22 22:25	EPA 8021B	

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-20**  
**2H19002-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:46	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:46	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:46	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:46	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 22:46	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>107 %</i>	<i>80-120</i>		<i>P2H2406</i>	<i>08/24/22 11:11</i>	<i>08/24/22 22:46</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		<i>88.3 %</i>	<i>80-120</i>		<i>P2H2406</i>	<i>08/24/22 11:11</i>	<i>08/24/22 22:46</i>	<i>EPA 8021B</i>	

Permian Basin Environmental Lab, L.P.

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 10 Desta Dr STE 150E  
 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW-1**  
**2H19002-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.00379</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:07	EPA 8021B	
<b>Toluene</b>	<b>0.00195</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:07	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.00517</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:07	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:07	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00334</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:07	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		111 %	80-120		P2H2406	08/24/22 11:11	08/24/22 23:07	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		87.7 %	80-120		P2H2406	08/24/22 11:11	08/24/22 23:07	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-15**  
**2H19002-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.00401</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:28	EPA 8021B	
<b>Toluene</b>	<b>0.00201</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:28	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:28	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.00678</b>	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:28	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00273</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:28	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		112 %	80-120		P2H2406	08/24/22 11:11	08/24/22 23:28	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		89.2 %	80-120		P2H2406	08/24/22 11:11	08/24/22 23:28	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW-6**  
**2H19002-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.0857</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:49	EPA 8021B	
<b>Toluene</b>	<b>0.0216</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:49	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0248</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:49	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0530</b>	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:49	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0251</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/24/22 23:49	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	80-120		P2H2406	08/24/22 11:11	08/24/22 23:49	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		86.2 %	80-120		P2H2406	08/24/22 11:11	08/24/22 23:49	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW-5**  
**2H19002-08 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.377</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/25/22 00:10	EPA 8021B	
<b>Toluene</b>	<b>0.00544</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/25/22 00:10	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0305</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/25/22 00:10	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0540</b>	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/25/22 00:10	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00402</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/25/22 00:10	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	80-120		P2H2406	08/24/22 11:11	08/25/22 00:10	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		84.8 %	80-120		P2H2406	08/24/22 11:11	08/25/22 00:10	EPA 8021B	

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 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-14**  
**2H19002-09 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.207</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/25/22 00:31	EPA 8021B	
<b>Toluene</b>	<b>0.00836</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/25/22 00:31	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.176</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/25/22 00:31	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0744</b>	0.00200	mg/L	1	P2H2406	08/24/22 11:11	08/25/22 00:31	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00896</b>	0.00100	mg/L	1	P2H2406	08/24/22 11:11	08/25/22 00:31	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		111 %	80-120		P2H2406	08/24/22 11:11	08/25/22 00:31	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		83.2 %	80-120		P2H2406	08/24/22 11:11	08/25/22 00:31	EPA 8021B	

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 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW-4**  
**2H19002-10 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.257</b>	0.00500	mg/L	5	P2H2507	08/25/22 12:20	08/25/22 15:45	EPA 8021B	
<b>Toluene</b>	<b>0.00605</b>	0.00500	mg/L	5	P2H2507	08/25/22 12:20	08/25/22 15:45	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0510</b>	0.00500	mg/L	5	P2H2507	08/25/22 12:20	08/25/22 15:45	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0296</b>	0.0100	mg/L	5	P2H2507	08/25/22 12:20	08/25/22 15:45	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00930</b>	0.00500	mg/L	5	P2H2507	08/25/22 12:20	08/25/22 15:45	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		165 %	80-120		P2H2507	08/25/22 12:20	08/25/22 15:45	EPA 8021B	S-GC
<i>Surrogate: 1,4-Difluorobenzene</i>		83.8 %	80-120		P2H2507	08/25/22 12:20	08/25/22 15:45	EPA 8021B	

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Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-4**  
**2H19002-11 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>1.63</b>	0.00500	mg/L	5	P2H2507	08/25/22 12:20	08/25/22 16:07	EPA 8021B	
<b>Toluene</b>	<b>0.00615</b>	0.00500	mg/L	5	P2H2507	08/25/22 12:20	08/25/22 16:07	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0123</b>	0.00500	mg/L	5	P2H2507	08/25/22 12:20	08/25/22 16:07	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0296</b>	0.0100	mg/L	5	P2H2507	08/25/22 12:20	08/25/22 16:07	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00660</b>	0.00500	mg/L	5	P2H2507	08/25/22 12:20	08/25/22 16:07	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		147 %	80-120		P2H2507	08/25/22 12:20	08/25/22 16:07	EPA 8021B	S-GC
<i>Surrogate: 1,4-Difluorobenzene</i>		80.6 %	80-120		P2H2507	08/25/22 12:20	08/25/22 16:07	EPA 8021B	

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Midland TX, 79705

Project: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
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**Batch P2H2406 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2H2406-BLK1)**

Prepared & Analyzed: 08/24/22

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	0.00112	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		100	80-120			

**LCS (P2H2406-BS1)**

Prepared & Analyzed: 08/24/22

Benzene	0.109	0.00100	mg/L	0.100		109	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.232	0.00200	"	0.200		116	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.1	80-120			

**LCS Dup (P2H2406-BSD1)**

Prepared & Analyzed: 08/24/22

Benzene	0.111	0.00100	mg/L	0.100		111	80-120	2.34	20	
Toluene	0.106	0.00100	"	0.100		106	80-120	2.31	20	
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120	4.54	20	
Xylene (p/m)	0.237	0.00200	"	0.200		119	80-120	2.12	20	
Xylene (o)	0.105	0.00100	"	0.100		105	80-120	2.22	20	
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.2	80-120			

**Calibration Blank (P2H2406-CCB1)**

Prepared & Analyzed: 08/24/22

Benzene	0.210		ug/l							
Toluene	0.240		"							
Ethylbenzene	0.570		"							
Xylene (p/m)	1.46		"							
Xylene (o)	0.860		"							
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.1	80-120			

Permian Basin Environmental Lab, L.P.

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TRC Solutions- Midland, Texas  
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Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2H2406 - \*\*\* DEFAULT PREP \*\*\***

**Calibration Blank (P2H2406-CCB2)**

Prepared & Analyzed: 08/24/22

Benzene	0.380		ug/l							
Toluene	0.00		"							
Ethylbenzene	0.760		"							
Xylene (p/m)	1.71		"							
Xylene (o)	1.25		"							
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.2	80-120			

**Calibration Check (P2H2406-CCV1)**

Prepared & Analyzed: 08/24/22

Benzene	0.111	0.00100	mg/L	0.102		109	80-120			
Toluene	0.105	0.00100	"	0.102		103	80-120			
Ethylbenzene	0.111	0.00100	"	0.102		108	80-120			
Xylene (p/m)	0.217	0.00200	"	0.204		106	80-120			
Xylene (o)	0.103	0.00100	"	0.102		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.5	80-120			

**Calibration Check (P2H2406-CCV2)**

Prepared & Analyzed: 08/24/22

Benzene	0.108	0.00100	mg/L	0.102		106	80-120			
Toluene	0.0998	0.00100	"	0.102		97.9	80-120			
Ethylbenzene	0.112	0.00100	"	0.102		109	80-120			
Xylene (p/m)	0.216	0.00200	"	0.204		106	80-120			
Xylene (o)	0.0989	0.00100	"	0.102		96.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.133		"	0.120		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.9	80-120			

**Calibration Check (P2H2406-CCV3)**

Prepared: 08/24/22 Analyzed: 08/25/22

Benzene	0.110	0.00100	mg/L	0.102		107	80-120			
Toluene	0.102	0.00100	"	0.102		99.7	80-120			
Ethylbenzene	0.113	0.00100	"	0.102		111	80-120			
Xylene (p/m)	0.220	0.00200	"	0.204		108	80-120			
Xylene (o)	0.0994	0.00100	"	0.102		97.4	80-120			
Surrogate: 4-Bromofluorobenzene	0.135		"	0.120		112	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.6	80-120			

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2H2406 - \*\*\* DEFAULT PREP \*\*\***

<b>Matrix Spike (P2H2406-MS1)</b>	<b>Source: 2H18002-01</b>			<b>Prepared: 08/24/22 Analyzed: 08/25/22</b>						
Benzene	0.119	0.00100	mg/L	0.100	0.00548	114	80-120			
Toluene	0.111	0.00100	"	0.100	0.0161	94.7	80-120			
Ethylbenzene	0.118	0.00100	"	0.100	0.00335	115	80-120			
Xylene (p/m)	0.226	0.00200	"	0.200	0.00613	110	80-120			
Xylene (o)	0.103	0.00100	"	0.100	0.00331	100	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.8	80-120			

<b>Matrix Spike Dup (P2H2406-MSD1)</b>	<b>Source: 2H18002-01</b>			<b>Prepared: 08/24/22 Analyzed: 08/25/22</b>						
Benzene	0.106	0.00100	mg/L	0.100	0.00548	101	80-120	12.0	20	
Toluene	0.0960	0.00100	"	0.100	0.0161	79.9	80-120	17.0	20	QM-07
Ethylbenzene	0.102	0.00100	"	0.100	0.00335	98.7	80-120	15.2	20	
Xylene (p/m)	0.203	0.00200	"	0.200	0.00613	98.4	80-120	10.9	20	
Xylene (o)	0.0908	0.00100	"	0.100	0.00331	87.4	80-120	13.4	20	
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.1	80-120			

**Batch P2H2507 - \*\*\* DEFAULT PREP \*\*\***

<b>Blank (P2H2507-BLK1)</b>	<b>Prepared &amp; Analyzed: 08/25/22</b>									
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	0.00206	0.00200	"							
Xylene (o)	0.00118	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.205		"	0.120		170	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.0965		"	0.120		80.4	80-120			

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Midland TX, 79705

Project: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
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**Batch P2H2507 - \*\*\* DEFAULT PREP \*\*\***

**LCS (P2H2507-BS1)**

Prepared & Analyzed: 08/25/22

Benzene	0.112	0.00100	mg/L	0.100		112	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		116	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.198		"	0.120		165	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.0981		"	0.120		81.7	80-120			

**LCS Dup (P2H2507-BSD1)**

Prepared & Analyzed: 08/25/22

Benzene	0.111	0.00100	mg/L	0.100		111	80-120	1.34	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	0.375	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120	0.190	20	
Xylene (p/m)	0.234	0.00200	"	0.200		117	80-120	1.28	20	
Xylene (o)	0.100	0.00100	"	0.100		100	80-120	0.825	20	
Surrogate: 4-Bromofluorobenzene	0.205		"	0.120		171	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.0964		"	0.120		80.3	80-120			

**Calibration Blank (P2H2507-CCB1)**

Prepared & Analyzed: 08/25/22

Benzene	0.250		ug/l							
Toluene	0.330		"							
Ethylbenzene	0.900		"							
Xylene (p/m)	1.75		"							
Xylene (o)	1.00		"							
Surrogate: 4-Bromofluorobenzene	0.198		"	0.120		165	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.0971		"	0.120		80.9	80-120			

**Calibration Blank (P2H2507-CCB2)**

Prepared & Analyzed: 08/25/22

Benzene	0.320		ug/l							
Toluene	0.250		"							
Ethylbenzene	0.720		"							
Xylene (p/m)	1.53		"							
Xylene (o)	0.930		"							
Surrogate: 4-Bromofluorobenzene	0.165		"	0.120		138	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	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: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
<b>Batch P2H2507 - *** DEFAULT PREP ***</b>										
<b>Calibration Check (P2H2507-CCV1)</b>				Prepared & Analyzed: 08/25/22						
Benzene	0.113	0.00100	mg/L	0.102		111	80-120			
Toluene	0.105	0.00100	"	0.102		102	80-120			
Ethylbenzene	0.111	0.00100	"	0.102		109	80-120			
Xylene (p/m)	0.224	0.00200	"	0.204		110	80-120			
Xylene (o)	0.103	0.00100	"	0.102		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.193		"	0.120		161	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.0962		"	0.120		80.2	80-120			
<b>Calibration Check (P2H2507-CCV2)</b>				Prepared & Analyzed: 08/25/22						
Benzene	0.101	0.00100	mg/L	0.102		99.2	80-120			
Toluene	0.0931	0.00100	"	0.102		91.3	80-120			
Ethylbenzene	0.0928	0.00100	"	0.102		91.0	80-120			
Xylene (p/m)	0.187	0.00200	"	0.204		91.9	80-120			
Xylene (o)	0.0915	0.00100	"	0.102		89.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.166		"	0.120		139	80-120			S-GC
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	80-120			
<b>Calibration Check (P2H2507-CCV3)</b>				Prepared & Analyzed: 08/25/22						
Benzene	0.0925	0.00100	mg/L	0.102		90.7	80-120			
Toluene	0.0845	0.00100	"	0.102		82.9	80-120			
Ethylbenzene	0.0917	0.00100	"	0.102		89.9	80-120			
Xylene (p/m)	0.186	0.00200	"	0.204		91.2	80-120			
Xylene (o)	0.0855	0.00100	"	0.102		83.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.162		"	0.120		135	80-120			S-GC
<b>Matrix Spike (P2H2507-MS1)</b>		<b>Source: 2H25006-01</b>		Prepared & Analyzed: 08/25/22						
Benzene	0.0943	0.00100	mg/L	0.100	ND	94.3	80-120			
Toluene	0.0892	0.00100	"	0.100	ND	89.2	80-120			
Ethylbenzene	0.0878	0.00100	"	0.100	ND	87.8	80-120			
Xylene (p/m)	0.171	0.00200	"	0.200	ND	85.3	80-120			
Xylene (o)	0.0859	0.00100	"	0.100	ND	85.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.111		"	0.120		92.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.157		"	0.120		131	80-120			S-GC

Permian Basin Environmental Lab, L.P.

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

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2H2507 - \*\*\* DEFAULT PREP \*\*\***

<b>Matrix Spike Dup (P2H2507-MSD1)</b>	<b>Source: 2H25006-01</b>			<b>Prepared &amp; Analyzed: 08/25/22</b>						
Benzene	0.111	0.00100	mg/L	0.100	ND	111	80-120	15.9	20	
Toluene	0.103	0.00100	"	0.100	ND	103	80-120	14.4	20	
Ethylbenzene	0.103	0.00100	"	0.100	ND	103	80-120	16.4	20	
Xylene (p/m)	0.199	0.00200	"	0.200	ND	99.4	80-120	15.3	20	
Xylene (o)	0.104	0.00100	"	0.100	ND	104	80-120	19.0	20	
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.5	80-120			
Surrogate: 1,4-Difluorobenzene	0.162		"	0.120		135	80-120			S-GC

Permian Basin Environmental Lab, L.P.

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

Project: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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: 9/9/2022

Brent Barron, Laboratory Director/Technical Director

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

Project: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

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



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Company Name: TRC Environmental Corporation

Company Address: 10 Desta Drive, Ste 130E

City/State/Zip: Midland, TX 79705

Telephone No: 432.520.7720

Sampler Signature: *[Signature]*

e-mail: [cdstanley@trccompanies.com](mailto:cdstanley@trccompanies.com)  
[cibryant@paalp.com](mailto:cibryant@paalp.com)  
[khuddgens@paalp.com](mailto:khuddgens@paalp.com)

Report Format:  Standard  TRRP  NPDES

Project Name: 97-17

Project #: TNM 97-17

Project Loc: Lea County, New Mexico

PO #:

ORDER #: 2H19002

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO <sub>3</sub>	HCl	H <sub>2</sub> SO <sub>4</sub>	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	None	Other (Specify)	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Matrix	Analyze For	TCLP	TOTAL	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
1	MMW-10			8-18-22	12:15		3	X									GW					X	X
2	MMW-21				12:33		3	X									GW					X	X
3	MMW-26				13:01		3	X									GW					X	X
4	MMW-20				13:20		3	X									GW					X	X
5	RW-1				13:40		3	X									GW					X	X
6	MMW-15				13:55		3	X									GW					X	X
7	RW-6				14:10		3	X									GW					X	X
8	RW-5				14:30		3	X									GW					X	X
9	MMW-14				14:42		3	X									GW					X	X

Special Instructions:

Relinquished by: *Mary* Date: 8-19-22 Time: 10:15 Received by: *[Signature]* Date: 8/19/22 Time: 10:15

Relinquished by: *Mary* Date: 8-19-22 Time: 10:15 Received by: *[Signature]* Date: 8/19/22 Time: 10:15

Relinquished by: *[Signature]* Date: 8/19/22 Time: 10:15 Received by: *[Signature]* Date: 8/19/22 Time: 10:15

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 Sampler/Client Rep.    
 Temperature Upon Receipt by Courier?    
 Temperature Upon Receipt by UPS    
 Temperature Upon Receipt by DHL    
 Temperature Upon Receipt by Federal Express    
 °C Factor



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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

Phone: 432-661-4184

Project Manager: Curt Stanley

Project Name: 97-17

Company Name: TRC Environmental Corporation

Project #: TNM 97-17

Company Address: 10 Destia Drive, Ste 130E

Project Loc: Lea County, New Mexico

City/State/Zip: Midland, TX 79705

PO #:

Telephone No: 432.520.7720

Report Format: [ ] Standard [ ] TRRP [ ] NPDES

Sampler Signature:

e-mail: cdstanley@trccompanies.com

cd Bryant@paalp.com
khuddgens@paalp.com

ORDER #: 2H19002

Table with columns: Reinquished by, Date, Time, Received by, Date, Time, Laboratory Comments, etc.

Main data table with columns: LAB #, FIELD CODE, Beginning Depth, Ending Depth, Date Sampled, Time Sampled, Field Filtered, Total #. of Containers, Preservation & # of Containers, Matrix, Analyze For, etc.

Summary table with columns: RUSH TAT, Standard TAT, etc.



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



# Analytical Report

**Prepared for:**

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Location: Lea County, NM  
Lab Order Number: 2K10001



**Current Certification**

Report Date: 11/29/22

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-25	2K10001-01	Water	11/09/22 12:35	11-10-2022 08:10
MW-5	2K10001-02	Water	11/09/22 13:30	11-10-2022 08:10
MW-11	2K10001-03	Water	11/09/22 14:25	11-10-2022 08:10

TOC and Dissolved Gases 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](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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-25**  
**2K10001-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 16:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 16:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 16:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 16:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 16:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P2K1103	11/11/22 09:15	11/11/22 16:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		85.1 %	80-120		P2K1103	11/11/22 09:15	11/11/22 16:48	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2K2910	11/15/22 17:59	11/15/22 17:39	8015M	SUB-13
Ethene	<b>0.00161</b>	0.00100	mg/L	1	P2K2910	11/15/22 17:59	11/15/22 17:39	8015M	SUB-13
Methane	<b>0.0912</b>	0.00250	mg/L	1	P2K2910	11/15/22 17:59	11/15/22 18:11	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

Chemical Oxygen Demand	<b>26.0</b>	3.00	mg/L	1	P2K1408	11/14/22 12:41	11/14/22 16:26	8000	
Nitrate as N	ND	0.200	mg/L	1	P2K1004	11/10/22 13:57	11/16/22 15:32	EPA 300.0	
Sulfate	<b>1810</b>	50.0	mg/L	50	P2K1004	11/10/22 13:57	11/17/22 10:30	EPA 300.0	
Total Organic Carbon	<b>22.7</b>	10.0	mg/L	1	P2K2910	11/18/22 13:10	11/18/22 13:10	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.200	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:54	EPA 6010B	QAL1
Manganese	<b>0.0487</b>	0.100	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:54	EPA 6010B	J, QAL1

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-5**  
**2K10001-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.00224</b>	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:09	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:09	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:09	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:09	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.1 %			P2K1103	11/11/22 09:15	11/11/22 17:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.5 %			P2K1103	11/11/22 09:15	11/11/22 17:09	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2K2910	11/15/22 17:51	11/15/22 17:51	8015M	SUB-13
<b>Ethene</b>	<b>0.00290</b>	0.00100	mg/L	1	P2K2910	11/15/22 17:51	11/15/22 17:51	8015M	SUB-13
<b>Methane</b>	<b>0.237</b>	0.00500	mg/L	1	P2K2910	11/15/22 17:51	11/15/22 18:21	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>70.0</b>	3.00	mg/L	1	P2K1408	11/14/22 12:41	11/14/22 16:26	8000	
Nitrate as N	ND	0.200	mg/L	1	P2K1004	11/10/22 13:57	11/16/22 16:27	EPA 300.0	
<b>Sulfate</b>	<b>2370</b>	50.0	mg/L	50	P2K1004	11/10/22 13:57	11/17/22 10:48	EPA 300.0	
<b>Total Organic Carbon</b>	<b>23.1</b>	10.0	mg/L	1	P2K2910	11/18/22 12:57	11/18/22 12:57	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.200	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:57	EPA 6010B	QAL1
<b>Manganese</b>	<b>0.0107</b>	0.100	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 11:57	EPA 6010B	J, QAL1

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-11**  
**2K10001-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:30	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:30	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:30	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:30	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:30	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		105 %	80-120		P2K1103	11/11/22 09:15	11/11/22 17:30	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		88.9 %	80-120		P2K1103	11/11/22 09:15	11/11/22 17:30	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2K2910	11/15/22 17:59	11/15/22 17:59	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2K2910	11/15/22 17:59	11/15/22 17:59	8015M	SUB-13
<b>Methane</b>	<b>0.00139</b>	0.000500	mg/L	1	P2K2910	11/15/22 17:59	11/15/22 17:59	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>37.0</b>	3.00	mg/L	1	P2K1408	11/14/22 12:41	11/14/22 16:26	8000	
Nitrate as N	ND	0.200	mg/L	1	P2K1004	11/10/22 13:57	11/16/22 16:46	EPA 300.0	
<b>Sulfate</b>	<b>1960</b>	50.0	mg/L	50	P2K1004	11/10/22 13:57	11/17/22 11:07	EPA 300.0	
Total Organic Carbon	ND	10.0	mg/L	1	P2K2910	11/18/22 12:45	11/18/22 12:45	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.200	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 12:00	EPA 6010B	QAL1
<b>Manganese</b>	<b>0.0199</b>	0.100	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 12:00	EPA 6010B	J, QAL1

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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
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**Batch P2K1103 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2K1103-BLK1)**

Prepared & Analyzed: 11/11/22

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	0.123		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.1	80-120			

**LCS (P2K1103-BS1)**

Prepared & Analyzed: 11/11/22

Benzene	0.0949	0.00100	mg/L	0.100		94.9	80-120			
Toluene	0.0972	0.00100	"	0.100		97.2	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0909	0.00100	"	0.100		90.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.3	80-120			

**LCS Dup (P2K1103-BSD1)**

Prepared & Analyzed: 11/11/22

Benzene	0.103	0.00100	mg/L	0.100		103	80-120	8.57	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	7.07	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120	6.35	20	
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120	4.98	20	
Xylene (o)	0.0961	0.00100	"	0.100		96.1	80-120	5.50	20	
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.8	80-120			

**Calibration Blank (P2K1103-CCB1)**

Prepared & Analyzed: 11/11/22

Benzene	0.110		ug/l							
Toluene	0.230		"							
Ethylbenzene	0.460		"							
Xylene (p/m)	1.01		"							
Xylene (o)	0.530		"							
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.102		"	0.120		85.4	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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
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**Batch P2K1103 - \*\*\* DEFAULT PREP \*\*\***

**Calibration Blank (P2K1103-CCB2)**

Prepared & Analyzed: 11/11/22

Benzene	0.0400		ug/l							
Toluene	0.370		"							
Ethylbenzene	0.420		"							
Xylene (p/m)	1.02		"							
Xylene (o)	0.520		"							
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.9	80-120			

**Calibration Check (P2K1103-CCV1)**

Prepared & Analyzed: 11/11/22

Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.2	80-120			

**Calibration Check (P2K1103-CCV2)**

Prepared & Analyzed: 11/11/22

Benzene	0.107	0.00100	mg/L	0.100		107	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0919	0.00100	"	0.100		91.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.8	80-120			

**Calibration Check (P2K1103-CCV3)**

Prepared & Analyzed: 11/11/22

Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.0958	0.00100	"	0.100		95.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.5	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  
 10 Desta Dr STE 150E  
 Midland TX, 79705

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2K1103 - \*\*\* DEFAULT PREP \*\*\***

<b>Duplicate (P2K1103-DUP1)</b>		<b>Source: 2J27007-01</b>			<b>Prepared &amp; Analyzed: 11/11/22</b>					
Benzene	0.0858	0.00100	mg/L	0.0966				11.9	20	
Toluene	0.0861	0.00100	"	0.0974				12.3	20	
Ethylbenzene	0.0339	0.00100	"	0.0394				14.8	20	
Xylene (p/m)	0.0943	0.00200	"	0.109				14.5	20	
Xylene (o)	0.0157	0.00100	"	0.0194				21.4	20	R2
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.0	80-120			

<b>Matrix Spike (P2K1103-MS1)</b>		<b>Source: 2K04009-01</b>			<b>Prepared &amp; Analyzed: 11/11/22</b>					
Benzene	0.0999	0.00100	mg/L	0.100	ND	99.9	80-120			
Toluene	0.101	0.00100	"	0.100	ND	101	80-120			
Ethylbenzene	0.113	0.00100	"	0.100	ND	113	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200	ND	109	80-120			
Xylene (o)	0.0923	0.00100	"	0.100	ND	92.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.135		"	0.120		113	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.7	80-120			

<b>Matrix Spike Dup (P2K1103-MSD1)</b>		<b>Source: 2K04009-01</b>			<b>Prepared &amp; Analyzed: 11/11/22</b>					
Benzene	0.0976	0.00100	mg/L	0.100	ND	97.6	80-120	2.34	20	
Toluene	0.0972	0.00100	"	0.100	ND	97.2	80-120	4.05	20	
Ethylbenzene	0.111	0.00100	"	0.100	ND	111	80-120	2.52	20	
Xylene (p/m)	0.212	0.00200	"	0.200	ND	106	80-120	2.44	20	
Xylene (o)	0.0904	0.00100	"	0.100	ND	90.4	80-120	2.09	20	
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.3	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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
<b>Batch P2K1004 - *** DEFAULT PREP ***</b>										
<b>Blank (P2K1004-BLK1)</b> Prepared: 11/10/22 Analyzed: 11/16/22										
Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							
<b>LCS (P2K1004-BS1)</b> Prepared: 11/10/22 Analyzed: 11/16/22										
Sulfate	20.6		mg/L	20.0		103	90-110			
Nitrate as N	1.94		"	2.00		96.8	90-110			
<b>LCS Dup (P2K1004-BSD1)</b> Prepared: 11/10/22 Analyzed: 11/16/22										
Sulfate	20.6		mg/L	20.0		103	90-110	0.112	10	
Nitrate as N	1.93		"	2.00		96.5	90-110	0.259	10	
<b>Calibration Blank (P2K1004-CCB1)</b> Prepared: 11/10/22 Analyzed: 11/16/22										
Sulfate	0.00		mg/L							
Nitrate as N	0.00		"							
<b>Calibration Check (P2K1004-CCV1)</b> Prepared: 11/10/22 Analyzed: 11/16/22										
Sulfate	20.4		mg/L	20.0		102	90-110			
Nitrate as N	1.91		"	2.00		95.3	90-110			
<b>Calibration Check (P2K1004-CCV2)</b> Prepared: 11/10/22 Analyzed: 11/16/22										
Sulfate	21.1		mg/L	20.0		106	90-110			
Nitrate as N	1.94		"	2.00		97.0	90-110			
<b>Matrix Spike (P2K1004-MS1)</b> Source: 2K10001-01 Prepared: 11/10/22 Analyzed: 11/16/22										
Sulfate	1820	1.00	mg/L	2.00	1810	388	80-120			
<b>Matrix Spike Dup (P2K1004-MSD1)</b> Source: 2K10001-01 Prepared: 11/10/22 Analyzed: 11/16/22										
Sulfate	1820	1.00	mg/L	2.00	1810	396	80-120	0.00934	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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
<b>Batch P2K1408 - *** DEFAULT PREP ***</b>										
<b>Blank (P2K1408-BLK1)</b> Prepared & Analyzed: 11/14/22										
Chemical Oxygen Demand	ND	3.00	mg/L							
<b>LCS (P2K1408-BS1)</b> Prepared & Analyzed: 11/14/22										
Chemical Oxygen Demand	95.0	3.00	mg/L	100		95.0	80-120			
<b>LCS Dup (P2K1408-BSD1)</b> Prepared & Analyzed: 11/14/22										
Chemical Oxygen Demand	103	3.00	mg/L	100		103	80-120	8.08	20	
<b>Calibration Blank (P2K1408-CCB1)</b> Prepared & Analyzed: 11/14/22										
Chemical Oxygen Demand	0.00		mg/L							
<b>Calibration Blank (P2K1408-CCB2)</b> Prepared & Analyzed: 11/14/22										
Chemical Oxygen Demand	0.00		mg/L							
<b>Calibration Check (P2K1408-CCV1)</b> Prepared & Analyzed: 11/14/22										
Chemical Oxygen Demand	97.0	3.00	mg/L				80-120			
<b>Calibration Check (P2K1408-CCV2)</b> Prepared & Analyzed: 11/14/22										
Chemical Oxygen Demand	97.0	3.00	mg/L				80-120			
<b>Calibration Check (P2K1408-CCV3)</b> Prepared & Analyzed: 11/14/22										
Chemical Oxygen Demand	ND	3.00	mg/L				80-120			
<b>Duplicate (P2K1408-DUP1)</b> Source: 2K04010-01 Prepared & Analyzed: 11/14/22										
Chemical Oxygen Demand	14.0	3.00	mg/L		14.0			0.00	20	
<b>Duplicate (P2K1408-DUP2)</b> Source: 2K11010-02 Prepared & Analyzed: 11/14/22										
Chemical Oxygen Demand	ND	3.00	mg/L		64.0				20	

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2K1408 - \*\*\* DEFAULT PREP \*\*\***

<b>Matrix Spike (P2K1408-MS1)</b>		<b>Source: 2K04010-01</b>			Prepared & Analyzed: 11/14/22					
Chemical Oxygen Demand	117	3.00	mg/L	100	14.0	103	80-120			
<b>Matrix Spike (P2K1408-MS2)</b>		<b>Source: 2K11010-02</b>			Prepared & Analyzed: 11/14/22					
Chemical Oxygen Demand	ND	3.00	mg/L	100	64.0	NR	80-120			
<b>Matrix Spike Dup (P2K1408-MSD1)</b>		<b>Source: 2K04010-01</b>			Prepared & Analyzed: 11/14/22					
Chemical Oxygen Demand	120	3.00	mg/L	100	14.0	106	80-120	2.53	20	
<b>Matrix Spike Dup (P2K1408-MSD2)</b>		<b>Source: 2K11010-02</b>			Prepared & Analyzed: 11/14/22					
Chemical Oxygen Demand	ND	3.00	mg/L	100	64.0	NR	80-120		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: 97-17_MNA Project Number: TNM 97-17 Project Manager: Curt Stanley
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**Dissolved Metals 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
<b>Batch P2K1106 - *** DEFAULT PREP ***</b>										
<b>Blank (P2K1106-BLK1)</b>										
Prepared & Analyzed: 11/11/22										
Manganese	0.000219	0.100	mg/L							J, QAL1
Iron	ND	0.200	"							QAL1
<b>LCS (P2K1106-BS1)</b>										
Prepared & Analyzed: 11/11/22										
Manganese	0.205	0.100	mg/L	0.200		102	80-120			QAL1
Iron	0.411	0.200	"	0.400		103	80-120			QAL1
<b>LCS Dup (P2K1106-BSD1)</b>										
Prepared & Analyzed: 11/11/22										
Iron	0.425	0.200	mg/L	0.400		106	80-120	3.35	20	QAL1
Manganese	0.209	0.100	"	0.200		105	80-120	2.11	20	QAL1
<b>Calibration Blank (P2K1106-CCB1)</b>										
Prepared & Analyzed: 11/11/22										
Iron	0.00500		mg/L							QAL1
Manganese	0.000410		"							J, QAL1
<b>Calibration Blank (P2K1106-CCB2)</b>										
Prepared & Analyzed: 11/11/22										
Manganese	0.000226		mg/L							J, QAL1
Iron	0.00410		"							QAL1
<b>Calibration Blank (P2K1106-CCB3)</b>										
Prepared & Analyzed: 11/11/22										
Manganese	0.000391		mg/L							J, QAL1
Iron	0.00753		"							QAL1
<b>Calibration Check (P2K1106-CCV1)</b>										
Prepared & Analyzed: 11/11/22										
Manganese	0.212	0.100	mg/L	0.200		106	80-120			QAL1
Iron	0.402	0.200	"	0.400		101	80-120			QAL1
<b>Calibration Check (P2K1106-CCV2)</b>										
Prepared & Analyzed: 11/11/22										
Manganese	0.193	0.100	mg/L	0.200		96.4	80-120			QAL1
Iron	0.397	0.200	"	0.400		99.3	80-120			QAL1

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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**Dissolved Metals 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
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**Batch P2K1106 - \*\*\* DEFAULT PREP \*\*\***

**Calibration Check (P2K1106-CCV3)**

Prepared & Analyzed: 11/11/22

Iron	0.421	0.200	mg/L	0.400		105	80-120			QAL1
Manganese	0.191	0.100	"	0.200		95.5	80-120			QAL1

**Matrix Spike (P2K1106-MS1)**

Source: 2K04010-01

Prepared & Analyzed: 11/11/22

Iron	0.455	0.200	mg/L	0.400	0.0357	105	75-125			QAL1
Manganese	0.566	0.100	"	0.200	0.418	74.1	75-125			QAL1, QM-05

**Matrix Spike Dup (P2K1106-MSD1)**

Source: 2K04010-01

Prepared & Analyzed: 11/11/22

Manganese	0.582	0.100	mg/L	0.200	0.418	82.1	75-125	2.79	20	QAL1
Iron	0.479	0.200	"	0.400	0.0357	111	75-125	5.06	20	QAL1

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**Notes and Definitions**

- SUB-13 Subcontract of analyte/analysis to ALS Houston.
- ROI Received on Ice
- R2 The RPD exceeded the acceptance limit.
- 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.
- QAL1 The Laboratory is not TNI Certified for this analyte or analysis.
- 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
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- 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: 11/29/2022

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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

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







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BRENT BARRON  
PBE LAB  
1400 RANKIN HWY  
MIDLAND, TX 79701  
UNITED STATES US

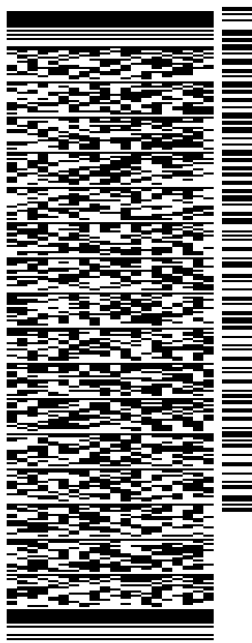
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ACTWGT: 17.00 LB  
CAD: 107136946/INET4530

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10450 Stancliff Rd. Suite 210  
Houston, TX 77099  
T: +1 281 530 5656  
F: +1 281 530 5887

November 18, 2022

Brent Barron  
Permian Basin Environmental Lab, LP  
10014 SCR 1213  
Midland, TX 79706

Work Order: **HS22110759**

Laboratory Results for: **2K10001**

Dear Brent Barron,

ALS Environmental received 3 sample(s) on Nov 11, 2022 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: 18-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K10001  
**Work Order:** HS22110759

**SAMPLE SUMMARY**

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Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22110759-01	2K10001-01	Water		09-Nov-2022 12:35	11-Nov-2022 09:00	<input type="checkbox"/>
HS22110759-02	2K10001-02	Water		09-Nov-2022 13:30	11-Nov-2022 09:00	<input type="checkbox"/>
HS22110759-03	2K10001-03	Water		09-Nov-2022 14:25	11-Nov-2022 09:00	<input type="checkbox"/>

**ALS Houston, US**

Date: 18-Nov-22

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**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K10001  
**Work Order:** HS22110759

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**CASE NARRATIVE**

**GC Semivolatiles by Method RSK-175**

**Batch ID: R421906**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
- 

**WetChemistry by Method E415.1**

**Batch ID: R422200**

**Sample ID: HS22110305-01MS**

- MS is for an unrelated sample
-

**ALS Houston, US**

Date: 18-Nov-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2K10001  
 Sample ID: 2K10001-01  
 Collection Date: 09-Nov-2022 12:35

**ANALYTICAL REPORT**

WorkOrder:HS22110759  
 Lab ID:HS22110759-01  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: SAM
Ethane	ND		1.00	ug/L	1	15-Nov-2022 17:39
<b>Ethene</b>	<b>1.61</b>		<b>1.00</b>	<b>ug/L</b>	1	15-Nov-2022 17:39
<b>Methane</b>	<b>91.2</b>		<b>2.50</b>	<b>ug/L</b>	5	15-Nov-2022 18:11
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: JAC
<b>Organic Carbon, Total</b>	<b>22.7</b>		<b>10.0</b>	<b>mg/L</b>	10	18-Nov-2022 12:45

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 18-Nov-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2K10001  
 Sample ID: 2K10001-02  
 Collection Date: 09-Nov-2022 13:30

**ANALYTICAL REPORT**  
 WorkOrder:HS22110759  
 Lab ID:HS22110759-02  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: SAM
Ethane	ND		1.00	ug/L	1	15-Nov-2022 17:51
<b>Ethene</b>	<b>2.90</b>		<b>1.00</b>	<b>ug/L</b>	1	15-Nov-2022 17:51
<b>Methane</b>	<b>237</b>		<b>5.00</b>	<b>ug/L</b>	10	15-Nov-2022 18:21
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: JAC
<b>Organic Carbon, Total</b>	<b>23.1</b>		<b>10.0</b>	<b>mg/L</b>	10	18-Nov-2022 12:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 18-Nov-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2K10001  
 Sample ID: 2K10001-03  
 Collection Date: 09-Nov-2022 14:25

**ANALYTICAL REPORT**

WorkOrder:HS22110759  
 Lab ID:HS22110759-03  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>DISSOLVED GASES BY RSK-175</b>		<b>Method:RSK-175</b>				Analyst: SAM
Ethane	ND		1.00	ug/L	1	15-Nov-2022 17:59
Ethene	ND		1.00	ug/L	1	15-Nov-2022 17:59
<b>Methane</b>	<b>1.39</b>		<b>0.500</b>	<b>ug/L</b>	1	15-Nov-2022 17:59
<b>TOTAL ORGANIC CARBON BY E415.1</b>		<b>Method:E415.1</b>				Analyst: JAC
Organic Carbon, Total	ND		10.0	mg/L	10	18-Nov-2022 13:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.



ALS Houston, US

Date: 18-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K10001  
**WorkOrder:** HS22110759

**DATES REPORT**

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
<b>Batch ID:</b> R421906 ( 1 )		<b>Test Name :</b> DISSOLVED GASES BY RSK-175			<b>Matrix:</b> Water	
HS22110759-01	2K10001-01	09 Nov 2022 12:35			15 Nov 2022 18:11	5
HS22110759-01	2K10001-01	09 Nov 2022 12:35			15 Nov 2022 17:39	1
HS22110759-02	2K10001-02	09 Nov 2022 13:30			15 Nov 2022 18:21	10
HS22110759-02	2K10001-02	09 Nov 2022 13:30			15 Nov 2022 17:51	1
HS22110759-03	2K10001-03	09 Nov 2022 14:25			15 Nov 2022 17:59	1
<b>Batch ID:</b> R422200 ( 0 )		<b>Test Name :</b> TOTAL ORGANIC CARBON BY E415.1			<b>Matrix:</b> Water	
HS22110759-01	2K10001-01	09 Nov 2022 12:35			18 Nov 2022 12:45	10
HS22110759-02	2K10001-02	09 Nov 2022 13:30			18 Nov 2022 12:57	10
HS22110759-03	2K10001-03	09 Nov 2022 14:25			18 Nov 2022 13:10	10

ALS Houston, US

Date: 18-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K10001  
**WorkOrder:** HS22110759

**QC BATCH REPORT**

<b>Batch ID:</b> R421906 ( 1 )	<b>Instrument:</b> FID-4	<b>Method:</b> DISSOLVED GASES BY RSK-175
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<b>MBLK</b>	Sample ID: <b>MBLK-221115</b>	Units: <b>ug/L</b>	Analysis Date: <b>15-Nov-2022 16:48</b>							
Client ID:	Run ID: <b>FID-4_421906</b>	SeqNo: <b>6983542</b>	PrepDate: DF: <b>1</b>							
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								

<b>LCS</b>	Sample ID: <b>LCS-221115</b>	Units: <b>ug/L</b>	Analysis Date: <b>15-Nov-2022 16:57</b>							
Client ID:	Run ID: <b>FID-4_421906</b>	SeqNo: <b>6983543</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Ethane	19.8	1.00	18.04	0	110	75 - 125				
Ethene	17.4	1.00	16.8	0	104	75 - 125				
Methane	8.285	0.500	9.647	0	85.9	75 - 125				

<b>LCSD</b>	Sample ID: <b>LCSD-221115</b>	Units: <b>ug/L</b>	Analysis Date: <b>15-Nov-2022 17:06</b>							
Client ID:	Run ID: <b>FID-4_421906</b>	SeqNo: <b>6983544</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
Ethane	18.46	1.00	18.04	0	102	75 - 125	19.8	6.98	30	
Ethene	16.59	1.00	16.8	0	98.8	75 - 125	17.4	4.72	30	
Methane	7.959	0.500	9.647	0	82.5	75 - 125	8.285	4.02	30	

The following samples were analyzed in this batch: HS22110759-01 HS22110759-02 HS22110759-03

ALS Houston, US

Date: 18-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K10001  
**WorkOrder:** HS22110759

**QC BATCH REPORT**

<b>Batch ID:</b> R422200 ( 0 )	<b>Instrument:</b> TOC_04	<b>Method:</b> TOTAL ORGANIC CARBON BY E415.1
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<b>MBLK</b>	Sample ID: <b>MBLK-11182022</b>	Units: <b>mg/L</b>	Analysis Date: <b>18-Nov-2022 11:32</b>							
Client ID:	Run ID: <b>TOC_04_422200</b>	SeqNo: <b>6990884</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Organic Carbon, Total ND 1.00

<b>LCS</b>	Sample ID: <b>LCS-11182022</b>	Units: <b>mg/L</b>	Analysis Date: <b>18-Nov-2022 11:50</b>							
Client ID:	Run ID: <b>TOC_04_422200</b>	SeqNo: <b>6990885</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Organic Carbon, Total 10.9 1.00 10 0 109 85 - 115

<b>LCSD</b>	Sample ID: <b>LCSD-11182022</b>	Units: <b>mg/L</b>	Analysis Date: <b>18-Nov-2022 12:04</b>							
Client ID:	Run ID: <b>TOC_04_422200</b>	SeqNo: <b>6990886</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Organic Carbon, Total 11.07 1.00 10 0 111 85 - 115 10.9 1.55 20

<b>MS</b>	Sample ID: <b>HS22110305-01MS</b>	Units: <b>mg/L</b>	Analysis Date: <b>18-Nov-2022 12:32</b>							
Client ID:	Run ID: <b>TOC_04_422200</b>	SeqNo: <b>6990888</b>	PrepDate: DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Organic Carbon, Total 18.08 1.00 10 6.073 120 80 - 120 S

The following samples were analyzed in this batch: HS22110759-01 HS22110759-02 HS22110759-03

**ALS Houston, US**

Date: 18-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K10001  
**WorkOrder:** HS22110759

**QUALIFIERS,  
ACRONYMS, UNITS**

<b>Qualifier</b>	<b>Description</b>
*	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

<b>Acronym</b>	<b>Description</b>
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: 18-Nov-22

**CERTIFICATIONS, ACCREDITATIONS & LICENSES**

<b>Agency</b>	<b>Number</b>	<b>Expire Date</b>
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US

Date: 18-Nov-22

Sample Receipt Checklist

Work Order ID: HS22110759

Date/Time Received: 11-Nov-2022 09:00

Client Name: Permian Basin Lab

Received by: Nelson D. Dusara

Completed By: /S/ Niles D. Ranchod	12-Nov-2022 09:49	Reviewed by: /S/ Anna Kinchen	15-Nov-2022 08:57
eSignature	Date/Time	eSignature	Date/Time

Matrices: **W**

Carrier 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
- 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):	2.0uc/1.5c	IR31
Cooler(s)/Kit(s):	Red	
Date/Time sample(s) sent to storage:	11/11/2022	
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted by:		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments: [Empty text box]

Corrective Action: [Empty text box]



ORIGIN ID:MAFA (432) 686-7235  
BRENT BARRON  
PBE LAB  
1400 RANKIN HWY

MIDLAND, TX 79701  
UNITED STATES US

SHIP DATE: 16NOV22  
ACTWGT: 17.00 LB  
CAD: 107136646/INET4530

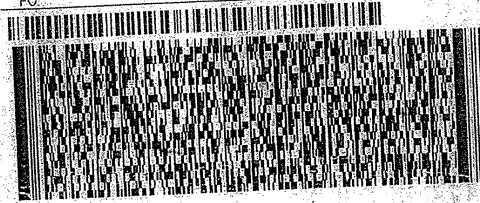
BILL RECIPIENT

TO **SAMPLE RECEIVING**  
**ALS-HOUSTON**  
**10450 STANCLIFF RD**

**HOUSTON TX 77099**

(281) 530-5615 REF:  
INV. DEPT:  
PO.

FedEX Ship Manager - Print Your Label(s)



FRI - 11 NOV 4:30P  
STANDARD OVERNIGHT

TRK# 7704 6077 4941  
0201

**AB SGRA**

77099  
TX-US IAH



PM 35



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



# Analytical Report

**Prepared for:**

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Location: Lea County, NM  
Lab Order Number: 2K11001



**Current Certification**

Report Date: 11/29/22

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-19	2K11001-01	Water	11/10/22 10:25	11-11-2022 08:10
RW-3	2K11001-02	Water	11/10/22 11:35	11-11-2022 08:10
MW-7	2K11001-03	Water	11/10/22 12:35	11-11-2022 08:10

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-19**  
**2K11001-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.150</b>	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:52	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:52	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.00613</b>	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:52	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00206</b>	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 17:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	80-120		P2K1103	11/11/22 09:15	11/11/22 17:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		86.2 %	80-120		P2K1103	11/11/22 09:15	11/11/22 17:52	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2K2808	11/18/22 13:41	11/18/22 13:41	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2K2808	11/18/22 13:41	11/18/22 13:41	8015M	SUB-13
<b>Methane</b>	<b>3.62</b>	0.0250	mg/L	1	P2K2808	11/18/22 13:41	11/18/22 14:57	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>120</b>	3.00	mg/L	1	P2K2909	11/29/22 12:03	11/29/22 16:09	8000	QAL1
Nitrate as N	ND	2.00	mg/L	10	P2K1111	11/11/22 17:02	11/16/22 18:37	EPA 300.0	
<b>Sulfate</b>	<b>837</b>	10.0	mg/L	10	P2K1111	11/11/22 17:02	11/16/22 18:37	EPA 300.0	
<b>Total Organic Carbon</b>	<b>180</b>	10.0	mg/L	1	P2K2808	11/22/22 14:56	11/22/22 14:56	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

Iron	ND	0.200	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 12:04	EPA 6010B	QAL1
<b>Manganese</b>	<b>0.0113</b>	0.100	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 12:04	EPA 6010B	J, QAL1

**PAH compounds by Semivolatile GCMS**

<b>1-Methylnaphthalene</b>	<b>0.018</b>	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
<b>2-Methylnaphthalene</b>	<b>0.0042</b>	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Acenaphthene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Acenaphthylene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Anthracene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Benzo (a) anthracene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Benzo (a) pyrene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Chrysene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Fluoranthene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
<b>Fluorene</b>	<b>0.0040</b>	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
<b>Naphthalene</b>	<b>0.0060</b>	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
<b>Phenanthrene</b>	<b>0.0035</b>	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13
Pyrene	ND	0.0011	mg/L	10	P2K2808	11/15/22 14:00	11/21/22 12:17	8270C	SUB-13

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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-19**  
**2K11001-01 (Water)**

Analyte	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Result	Limit							

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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW-3**  
**2K11001-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.00107</b>	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 18:13	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 18:13	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 18:13	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 18:13	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 18:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		97.5 %	80-120		P2K1103	11/11/22 09:15	11/11/22 18:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		85.6 %	80-120		P2K1103	11/11/22 09:15	11/11/22 18:13	EPA 8021B	
<b>Ethane</b>	<b>0.00539</b>	0.00106	mg/L	1	P2K2808	11/18/22 14:18	11/18/22 15:30	8015M	SUB-13
<b>Ethene</b>	<b>0.00219</b>	0.00105	mg/L	1	P2K2808	11/18/22 14:18	11/18/22 14:18	8015M	SUB-13
<b>Methane</b>	<b>0.102</b>	0.0250	mg/L	1	P2K2808	11/18/22 14:18	11/18/22 15:30	8015M	SUB-13

**General Chemistry Parameters by EPA / Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>82.0</b>	3.00	mg/L	1	P2K2909	11/29/22 12:03	11/29/22 16:09	8000	QAL1
Nitrate as N	ND	2.00	mg/L	10	P2K1111	11/11/22 17:02	11/16/22 18:55	EPA 300.0	
<b>Sulfate</b>	<b>2640</b>	50.0	mg/L	50	P2K1111	11/11/22 17:02	11/17/22 11:25	EPA 300.0	
<b>Total Organic Carbon</b>	<b>21.2</b>	10.0	mg/L	1	P2K2808	11/22/22 15:09	11/22/22 15:09	EPA 415.1	SUB-13

**Dissolved Metals by EPA / Standard Methods**

<b>Iron</b>	<b>0.396</b>	0.200	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 12:13	EPA 6010B	QAL1
<b>Manganese</b>	<b>0.0209</b>	0.100	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 12:13	EPA 6010B	J, QAL1

**PAH compounds by Semivolatile GCMS**

<b>1-Methylnaphthalene</b>	<b>0.0011</b>	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
<b>2-Methylnaphthalene</b>	<b>0.00021</b>	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Acenaphthene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Acenaphthylene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Anthracene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Benzo (a) anthracene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Benzo (a) pyrene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Chrysene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Fluoranthene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Fluorene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
<b>Naphthalene</b>	<b>0.00043</b>	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Phenanthrene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	SUB-13
Pyrene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 12:42	8270C	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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-7**  
**2K11001-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.212</b>	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 18:35	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 18:35	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.00281</b>	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 18:35	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 18:35	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1103	11/11/22 09:15	11/11/22 18:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	94.3 %	80-120			P2K1103	11/11/22 09:15	11/11/22 18:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	96.3 %	80-120			P2K1103	11/11/22 09:15	11/11/22 18:35	EPA 8021B	
Ethane	ND	0.00100	mg/L	1	P2K2808	11/18/22 14:34	11/18/22 14:34	8015M	SUB-13
Ethene	ND	0.00100	mg/L	1	P2K2808	11/18/22 14:34	11/18/22 14:34	8015M	SUB-13
<b>Methane</b>	<b>0.549</b>	0.0250	mg/L	1	P2K2808	11/18/22 14:34	11/18/22 16:07	8015M	SUB-13

**General Chemistry Parameters by EPA/ Standard Methods**

<b>Chemical Oxygen Demand</b>	<b>138</b>	3.00	mg/L	1	P2K2909	11/29/22 12:03	11/29/22 16:09	8000	QAL1
Nitrate as N	ND	2.00	mg/L	10	P2K1111	11/11/22 17:02	11/16/22 19:14	EPA 300.0	
<b>Sulfate</b>	<b>2420</b>	50.0	mg/L	50	P2K1111	11/11/22 17:02	11/17/22 11:44	EPA 300.0	
<b>Total Organic Carbon</b>	<b>23.8</b>	10.0	mg/L	1	P2K2808	11/22/22 15:22	11/22/22 15:22	EPA 415.1	SUB-13

**Dissolved Metals by EPA/ Standard Methods**

Iron	ND	0.200	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 12:17	EPA 6010B	QAL1
<b>Manganese</b>	<b>0.0106</b>	0.100	mg/L	1	P2K1106	11/11/22 10:05	11/11/22 12:17	EPA 6010B	J, QAL1

**PAH compounds by Semivolatile GCMS**

<b>1-Methylnaphthalene</b>	<b>0.0068</b>	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
<b>2-Methylnaphthalene</b>	<b>0.0016</b>	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
Acenaphthene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
Acenaphthylene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
<b>Anthracene</b>	<b>0.00014</b>	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
Benzo (a) anthracene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
Benzo (a) pyrene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
Chrysene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
Fluoranthene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
<b>Fluorene</b>	<b>0.00043</b>	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
<b>Naphthalene</b>	<b>0.0018</b>	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
<b>Phenanthrene</b>	<b>0.00042</b>	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	SUB-13
Pyrene	ND	0.00011	mg/L	1	P2K2808	11/15/22 14:00	11/21/22 13:07	8270C	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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

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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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**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
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**Batch P2K1103 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2K1103-BLK1)**

Prepared & Analyzed: 11/11/22

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	0.123		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.1	80-120			

**LCS (P2K1103-BS1)**

Prepared & Analyzed: 11/11/22

Benzene	0.0949	0.00100	mg/L	0.100		94.9	80-120			
Toluene	0.0972	0.00100	"	0.100		97.2	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		107	80-120			
Xylene (o)	0.0909	0.00100	"	0.100		90.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.3	80-120			

**LCS Dup (P2K1103-BSD1)**

Prepared & Analyzed: 11/11/22

Benzene	0.103	0.00100	mg/L	0.100		103	80-120	8.57	20	
Toluene	0.104	0.00100	"	0.100		104	80-120	7.07	20	
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120	6.35	20	
Xylene (p/m)	0.224	0.00200	"	0.200		112	80-120	4.98	20	
Xylene (o)	0.0961	0.00100	"	0.100		96.1	80-120	5.50	20	
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.8	80-120			

**Calibration Blank (P2K1103-CCB1)**

Prepared & Analyzed: 11/11/22

Benzene	0.110		ug/l							
Toluene	0.230		"							
Ethylbenzene	0.460		"							
Xylene (p/m)	1.01		"							
Xylene (o)	0.530		"							
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.102		"	0.120		85.4	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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2K1103 - \*\*\* DEFAULT PREP \*\*\***

**Calibration Blank (P2K1103-CCB2)**

Prepared & Analyzed: 11/11/22

Benzene	0.0400		ug/l							
Toluene	0.370		"							
Ethylbenzene	0.420		"							
Xylene (p/m)	1.02		"							
Xylene (o)	0.520		"							
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.9	80-120			

**Calibration Check (P2K1103-CCV1)**

Prepared & Analyzed: 11/11/22

Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		91.2	80-120			

**Calibration Check (P2K1103-CCV2)**

Prepared & Analyzed: 11/11/22

Benzene	0.107	0.00100	mg/L	0.100		107	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.213	0.00200	"	0.200		106	80-120			
Xylene (o)	0.0919	0.00100	"	0.100		91.9	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.8	80-120			

**Calibration Check (P2K1103-CCV3)**

Prepared & Analyzed: 11/11/22

Benzene	0.108	0.00100	mg/L	0.100		108	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.0958	0.00100	"	0.100		95.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.5	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  
 10 Desta Dr STE 150E  
 Midland TX, 79705

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2K1103 - \*\*\* DEFAULT PREP \*\*\***

<b>Duplicate (P2K1103-DUP1)</b>		<b>Source: 2J27007-01</b>			<b>Prepared &amp; Analyzed: 11/11/22</b>					
Benzene	0.0858	0.00100	mg/L	0.0966				11.9	20	
Toluene	0.0861	0.00100	"	0.0974				12.3	20	
Ethylbenzene	0.0339	0.00100	"	0.0394				14.8	20	
Xylene (p/m)	0.0943	0.00200	"	0.109				14.5	20	
Xylene (o)	0.0157	0.00100	"	0.0194				21.4	20	R2
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.0	80-120			

<b>Matrix Spike (P2K1103-MS1)</b>		<b>Source: 2K04009-01</b>			<b>Prepared &amp; Analyzed: 11/11/22</b>					
Benzene	0.0999	0.00100	mg/L	0.100	ND	99.9	80-120			
Toluene	0.101	0.00100	"	0.100	ND	101	80-120			
Ethylbenzene	0.113	0.00100	"	0.100	ND	113	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200	ND	109	80-120			
Xylene (o)	0.0923	0.00100	"	0.100	ND	92.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.135		"	0.120		113	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.7	80-120			

<b>Matrix Spike Dup (P2K1103-MSD1)</b>		<b>Source: 2K04009-01</b>			<b>Prepared &amp; Analyzed: 11/11/22</b>					
Benzene	0.0976	0.00100	mg/L	0.100	ND	97.6	80-120	2.34	20	
Toluene	0.0972	0.00100	"	0.100	ND	97.2	80-120	4.05	20	
Ethylbenzene	0.111	0.00100	"	0.100	ND	111	80-120	2.52	20	
Xylene (p/m)	0.212	0.00200	"	0.200	ND	106	80-120	2.44	20	
Xylene (o)	0.0904	0.00100	"	0.100	ND	90.4	80-120	2.09	20	
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.3	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: 97-17_MNA
10 Desta Dr STE 150E	Project Number: TNM 97-17
Midland TX, 79705	Project Manager: Curt Stanley

**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
<b>Batch P2K1111 - *** DEFAULT PREP ***</b>										
<b>Blank (P2K1111-BLK1)</b>										
				Prepared: 11/11/22 Analyzed: 11/17/22						
Sulfate	ND	1.00	mg/L							
Nitrate as N	ND	0.200	"							
<b>LCS (P2K1111-BS1)</b>										
				Prepared: 11/11/22 Analyzed: 11/16/22						
Sulfate	20.7		mg/L	20.0		104	90-110			
Nitrate as N	1.93		"	2.00		96.6	90-110			
<b>LCS Dup (P2K1111-BSD1)</b>										
				Prepared: 11/11/22 Analyzed: 11/16/22						
Sulfate	20.8		mg/L	20.0		104	90-110	0.154	10	
Nitrate as N	1.94		"	2.00		96.8	90-110	0.207	10	
<b>Calibration Blank (P2K1111-CCB1)</b>										
				Prepared: 11/11/22 Analyzed: 11/17/22						
Sulfate	0.00		mg/L							
Nitrate as N	0.00		"							
<b>Calibration Check (P2K1111-CCV1)</b>										
				Prepared: 11/11/22 Analyzed: 11/16/22						
Sulfate	21.1		mg/L	20.0		106	90-110			
Nitrate as N	1.94		"	2.00		97.0	90-110			
<b>Calibration Check (P2K1111-CCV2)</b>										
				Prepared: 11/11/22 Analyzed: 11/16/22						
Sulfate	20.8		mg/L	20.0		104	90-110			
Nitrate as N	1.90		"	2.00		94.8	90-110			
<b>Matrix Spike (P2K1111-MS1)</b>										
		<b>Source: 2K11001-03</b>		Prepared: 11/11/22 Analyzed: 11/16/22						
Sulfate	2640	10.0	mg/L	200	2420	106	80-120			
<b>Matrix Spike Dup (P2K1111-MSD1)</b>										
		<b>Source: 2K11001-03</b>		Prepared: 11/11/22 Analyzed: 11/16/22						
Sulfate	2630	10.0	mg/L	200	2420	104	80-120	0.179	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: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
<b>Batch P2K2909 - *** DEFAULT PREP ***</b>										
<b>Blank (P2K2909-BLK1)</b> Prepared & Analyzed: 11/29/22										
Chemical Oxygen Demand	ND	3.00	mg/L							QAL1
<b>LCS (P2K2909-BS1)</b> Prepared & Analyzed: 11/29/22										
Chemical Oxygen Demand	95.0	3.00	mg/L	100		95.0	80-120			QAL1
<b>LCS Dup (P2K2909-BSD1)</b> Prepared & Analyzed: 11/29/22										
Chemical Oxygen Demand	102	3.00	mg/L	100		102	80-120	7.11	20	QAL1
<b>Calibration Blank (P2K2909-CCB1)</b> Prepared & Analyzed: 11/29/22										
Chemical Oxygen Demand	0.00		mg/L							QAL1
<b>Calibration Check (P2K2909-CCV1)</b> Prepared & Analyzed: 11/29/22										
Chemical Oxygen Demand	97.0	3.00	mg/L				80-120			QAL1
<b>Calibration Check (P2K2909-CCV2)</b> Prepared & Analyzed: 11/29/22										
Chemical Oxygen Demand	97.0	3.00	mg/L				80-120			QAL1
<b>Duplicate (P2K2909-DUP1)</b> Source: 2K16005-01 Prepared & Analyzed: 11/29/22										
Chemical Oxygen Demand	6.00	3.00	mg/L		5.00			18.2	20	QAL1
<b>Matrix Spike (P2K2909-MS1)</b> Source: 2K16005-01 Prepared & Analyzed: 11/29/22										
Chemical Oxygen Demand	112	3.00	mg/L	100	5.00	107	80-120			QAL1
<b>Matrix Spike Dup (P2K2909-MSD1)</b> Source: 2K16005-01 Prepared & Analyzed: 11/29/22										
Chemical Oxygen Demand	114	3.00	mg/L	100	5.00	109	80-120	1.77	20	QAL1

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**Dissolved Metals 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
<b>Batch P2K1106 - *** DEFAULT PREP ***</b>										
<b>Blank (P2K1106-BLK1)</b>										
Prepared & Analyzed: 11/11/22										
Manganese	0.000219	0.100	mg/L							J, QAL1
Iron	ND	0.200	"							QAL1
<b>LCS (P2K1106-BS1)</b>										
Prepared & Analyzed: 11/11/22										
Manganese	0.205	0.100	mg/L	0.200		102	80-120			QAL1
Iron	0.411	0.200	"	0.400		103	80-120			QAL1
<b>LCS Dup (P2K1106-BSD1)</b>										
Prepared & Analyzed: 11/11/22										
Iron	0.425	0.200	mg/L	0.400		106	80-120	3.35	20	QAL1
Manganese	0.209	0.100	"	0.200		105	80-120	2.11	20	QAL1
<b>Calibration Blank (P2K1106-CCB1)</b>										
Prepared & Analyzed: 11/11/22										
Iron	0.00500		mg/L							QAL1
Manganese	0.000410		"							J, QAL1
<b>Calibration Blank (P2K1106-CCB2)</b>										
Prepared & Analyzed: 11/11/22										
Manganese	0.000226		mg/L							J, QAL1
Iron	0.00410		"							QAL1
<b>Calibration Blank (P2K1106-CCB3)</b>										
Prepared & Analyzed: 11/11/22										
Manganese	0.000391		mg/L							QAL1, J
Iron	0.00753		"							QAL1
<b>Calibration Check (P2K1106-CCV1)</b>										
Prepared & Analyzed: 11/11/22										
Manganese	0.212	0.100	mg/L	0.200		106	80-120			QAL1
Iron	0.402	0.200	"	0.400		101	80-120			QAL1
<b>Calibration Check (P2K1106-CCV2)</b>										
Prepared & Analyzed: 11/11/22										
Manganese	0.193	0.100	mg/L	0.200		96.4	80-120			QAL1
Iron	0.397	0.200	"	0.400		99.3	80-120			QAL1

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**Dissolved Metals 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
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**Batch P2K1106 - \*\*\* DEFAULT PREP \*\*\***

**Calibration Check (P2K1106-CCV3)**

Prepared & Analyzed: 11/11/22

Iron	0.421	0.200	mg/L	0.400		105	80-120			QAL1
Manganese	0.191	0.100	"	0.200		95.5	80-120			QAL1

**Matrix Spike (P2K1106-MS1)**

Source: 2K04010-01

Prepared & Analyzed: 11/11/22

Iron	0.455	0.200	mg/L	0.400	0.0357	105	75-125			QAL1
Manganese	0.566	0.100	"	0.200	0.418	74.1	75-125			QAL1, QM-05

**Matrix Spike Dup (P2K1106-MSD1)**

Source: 2K04010-01

Prepared & Analyzed: 11/11/22

Manganese	0.582	0.100	mg/L	0.200	0.418	82.1	75-125	2.79	20	QAL1
Iron	0.479	0.200	"	0.400	0.0357	111	75-125	5.06	20	QAL1

Permian Basin Environmental Lab, L.P.

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

Project: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**Notes and Definitions**

- SUB-13 Subcontract of analyte/analysis to ALS Houston.
- ROI Received on Ice
- R2 The RPD exceeded the acceptance limit.
- 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.
- QAL1 The Laboratory is not TNI Certified for this analyte or analysis.
- 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
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- 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: 11/29/2022

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: 97-17\_MNA  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

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





CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-661-4184

Project Manager: Curt Stanley

Project Name: TNM 97-17

Company Name: TRC Environmental Corporation

Project #: SRS TNM 97-17

Company Address: 10 Deste Drive, Ste 130E

Project Loc: Lea County, NM

City/State/Zip: Midland/TX/79705

PO #:

Telephone No: (432)5207720

Fax No:

Report Format:

Standard TRRP NPDES

Sampler Signature:

e-mail: cstanley@trccompanies.com

(lab use only)

clbyrant@paalp.com

khudgens@paalp.com

ORDER #: 2K11001

Main data table with columns: LAB # (lab use only), FIELD CODE, Beginning Depth, Ending Depth, Date Sampled, Time Sampled, Field Filtered (1-250 NHO3), Total #. of Containers, Ice, HNO3 (1-250mL), HCl (6 VOA + 1-250 mL), H2SO4 (1-250 mL), NaOH, Na2S2O3, None (3 Amber VOA), Other (Specify), DW=Drinking Water SL=Sludge, GW = Groundwater S=Soil/Solid, NP=Non-Potable Specify Other, TOC MW 5310, Dissolved 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, Total BTEX by 8260, PAH by 8270, Semivolatiles, BTEX 8021B/5030 or BTEX 8260, RCI, N.O.R.M., Chlorides E 300, Paint Filter, TCLP Benzene, RUSH TAT (Pre-Schedule) 24, 48, 72 hrs, Standard TAT.

Special Instructions: Bill to Plains

Relinquished by: Manny Date: 11-11-12 Time: 8:10 Received by: Maddison Date: 11/11/12 Time: 4:10

Relinquished by: Date: Time: Received by: Date: Time:

Relinquished by: Date: Time: Received by: Date: Time:

Relinquished by: Date: Time: Received by: Date: Time:

Relinquished by: Date: Time: Received by: Date: Time:

Relinquished by: Date: Time: Received by: Date: Time:

Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace? Labels on container(s) Custody seals on container(s) Gasket/seals on cooler(s) Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS DHL FedEx Lone Star Temperature Upon Receipt: Adjusted: 25 C Factor 1.1

**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 Fax No: \_\_\_\_\_  
 Sampler Signature: N/A e-mail: brentbarron@pbelab.com

Project Name: SUBCONTRACT  
 Project #: \_\_\_\_\_  
 Project Loc: \_\_\_\_\_  
 PO #: \_\_\_\_\_

Report Format:  Standard  TRRP  NPDES

(lab use only)  
**ORDER #:**

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 <sub>3</sub> 250 poly 1	HCl 3 40mL VOA	H <sub>2</sub> SO <sub>4</sub> 1 AMBER 500/250POLY	NaOH /Ascorbic Acid 250ML P	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	NONE		NONE 3 AMBER VOAA VIALS		
	2K11001-01			11/10/2022	10:25		7	X	X	X				X	W	X	X	X
	2K11001-02			11/10/2022	11:35		7	X	X	X				X	W	X	X	X
	2K11001-03			11/10/2022	12:35		7	X	X	X				X	W	X	X	X

Analyze For:															24 HOUR	STANDARD

**SPECIAL INSTRUCTIONS:**

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 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		

Released to Imaging: 4/13/2023 2:42:33 PM

Received by OCD: 3/28/2023 11:16:34 AM

Page 626 of 675

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



# Analytical Report

**Prepared for:**

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

Project: 97-17  
Project Number: TNM 97-17  
Location: Lea County, New Mexico  
Lab Order Number: 2K15006



**Current Certification**

Report Date: 11/29/22

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

Project: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	2K15006-01	Water	11/09/22 10:20	11-15-2022 09:40
MW-12	2K15006-02	Water	11/09/22 10:43	11-15-2022 09:40
MW-13	2K15006-03	Water	11/09/22 11:05	11-15-2022 09:40
MW-16	2K15006-04	Water	11/09/22 11:22	11-15-2022 09:40
MW-17	2K15006-05	Water	11/09/22 11:47	11-15-2022 09:40
MW-2	2K15006-06	Water	11/10/22 13:47	11-15-2022 09:40
MW-28	2K15006-07	Water	11/10/22 14:11	11-15-2022 09:40
MW-3	2K15006-08	Water	11/10/22 14:32	11-15-2022 09:40
MW-18	2K15006-09	Water	11/10/22 14:57	11-15-2022 09:40
MW-27	2K15006-10	Water	11/10/22 15:23	11-15-2022 09:40
MW-23	2K15006-11	Water	11/10/22 15:40	11-15-2022 09:40
MW-20	2K15006-12	Water	11/10/22 15:59	11-15-2022 09:40
RW-1	2K15006-13	Water	11/10/22 16:25	11-15-2022 09:40
MW-15	2K15006-14	Water	11/11/22 10:47	11-15-2022 09:40
RW-6	2K15006-15	Water	11/11/22 11:23	11-15-2022 09:40
MW-14	2K15006-16	Water	11/11/22 11:45	11-15-2022 09:40
RW-4	2K15006-17	Water	11/11/22 12:07	11-15-2022 09:40
MW-4	2K15006-18	Water	11/11/22 12:59	11-15-2022 09:40

Low Level PAH analysis was 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](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: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-1**  
**2K15006-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:05	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:05	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:05	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:05	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2K1502	11/15/22 10:59	11/15/22 15:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	86.3 %		80-120		P2K1502	11/15/22 10:59	11/15/22 15:05	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: 97-17 Project Number: TNM 97-17 Project Manager: Curt Stanley
--	--

**MW-12**  
**2K15006-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:27	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:27	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:27	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:27	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2K1502	11/15/22 10:59	11/15/22 15:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	85.6 %		80-120		P2K1502	11/15/22 10:59	11/15/22 15:27	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: 97-17 Project Number: TNM 97-17 Project Manager: Curt Stanley
--	--

**MW-13**  
**2K15006-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:48	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:48	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:48	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:48	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 15:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		113 %	80-120		P2K1502	11/15/22 10:59	11/15/22 15:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		87.5 %	80-120		P2K1502	11/15/22 10:59	11/15/22 15:48	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: 97-17 Project Number: TNM 97-17 Project Manager: Curt Stanley
--	--

**MW-16**  
**2K15006-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:10	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:10	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:10	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:10	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2K1502	11/15/22 10:59	11/15/22 16:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	91.0 %		80-120		P2K1502	11/15/22 10:59	11/15/22 16:10	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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**MW-17**  
**2K15006-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:31	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:31	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:31	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:31	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		113 %	80-120		P2K1502	11/15/22 10:59	11/15/22 16:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		90.1 %	80-120		P2K1502	11/15/22 10:59	11/15/22 16:31	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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**MW-2**  
**2K15006-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:52	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:52	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:52	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:52	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 16:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		111 %	80-120		P2K1502	11/15/22 10:59	11/15/22 16:52	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		90.9 %	80-120		P2K1502	11/15/22 10:59	11/15/22 16:52	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-28**  
**2K15006-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 17:13	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 17:13	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 17:13	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 17:13	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 17:13	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	110 %		80-120		P2K1502	11/15/22 10:59	11/15/22 17:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	88.9 %		80-120		P2K1502	11/15/22 10:59	11/15/22 17:13	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-3**  
**2K15006-08 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 17:34	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 17:34	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 17:34	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 17:34	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 17:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	100 %		80-120		P2K1502	11/15/22 10:59	11/15/22 17:34	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	91.8 %		80-120		P2K1502	11/15/22 10:59	11/15/22 17:34	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-18**  
**2K15006-09 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 18:38	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 18:38	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 18:38	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 18:38	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 18:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	104 %		80-120		P2K1502	11/15/22 10:59	11/15/22 18:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	89.6 %		80-120		P2K1502	11/15/22 10:59	11/15/22 18:38	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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**MW-27**  
**2K15006-10 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 18:59	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 18:59	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 18:59	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 18:59	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 18:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	107 %		80-120		P2K1502	11/15/22 10:59	11/15/22 18:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	87.3 %		80-120		P2K1502	11/15/22 10:59	11/15/22 18:59	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-23**  
**2K15006-11 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 19:21	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 19:21	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 19:21	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 19:21	EPA 8021B	
Xylene (o)	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 19:21	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	105 %		80-120		P2K1502	11/15/22 10:59	11/15/22 19:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	92.7 %		80-120		P2K1502	11/15/22 10:59	11/15/22 19:21	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-20**  
**2K15006-12 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

Benzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 19:42	EPA 8021B	
Toluene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 19:42	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 19:42	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 19:42	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00542</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 19:42	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	80-120		P2K1502	11/15/22 10:59	11/15/22 19:42	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		86.1 %	80-120		P2K1502	11/15/22 10:59	11/15/22 19:42	EPA 8021B	

Permian Basin Environmental Lab, L.P.

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Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW-1**  
**2K15006-13 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.00506</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:03	EPA 8021B	
<b>Toluene</b>	<b>0.00145</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:03	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.00282</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:03	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0103</b>	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:03	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00468</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:03	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		109 %	80-120		P2K1502	11/15/22 10:59	11/15/22 20:03	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		86.6 %	80-120		P2K1502	11/15/22 10:59	11/15/22 20:03	EPA 8021B	

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Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-15**  
**2K15006-14 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.0157</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:24	EPA 8021B	
<b>Toluene</b>	<b>0.00132</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:24	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:24	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0137</b>	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:24	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00712</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P2K1502	11/15/22 10:59	11/15/22 20:24	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		85.1 %	80-120		P2K1502	11/15/22 10:59	11/15/22 20:24	EPA 8021B	

**PAH compounds by Semivolatile GCMS**

<b>1-Methylnaphthalene</b>	<b>0.015</b>	0.00011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
2-Methylnaphthalene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Acenaphthene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
<b>Acenaphthylene</b>	<b>0.0023</b>	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Anthracene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Benzo (a) anthracene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Benzo (a) pyrene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Chrysene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Fluoranthene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Fluorene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Naphthalene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
<b>Phenanthrene</b>	<b>0.0059</b>	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13
Pyrene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:12	8270C	SUB-13

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 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**RW-6**  
**2K15006-15 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.0742</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:46	EPA 8021B	
<b>Toluene</b>	<b>0.0159</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:46	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0286</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:46	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0474</b>	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:46	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0241</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 20:46	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.1 %	80-120		P2K1502	11/15/22 10:59	11/15/22 20:46	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		82.7 %	80-120		P2K1502	11/15/22 10:59	11/15/22 20:46	EPA 8021B	

**PAH compounds by Semivolatile GCMS**

<b>1-Methylnaphthalene</b>	<b>0.034</b>	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
<b>2-Methylnaphthalene</b>	<b>0.0056</b>	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
Acenaphthene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
<b>Acenaphthylene</b>	<b>0.0014</b>	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
<b>Anthracene</b>	<b>0.0025</b>	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
Benzo (a) anthracene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
Benzo (a) pyrene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
Chrysene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
Fluoranthene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
Fluorene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
<b>Naphthalene</b>	<b>0.0076</b>	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
<b>Phenanthrene</b>	<b>0.011</b>	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	SUB-13
Pyrene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:33	8270C	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: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**MW-14**  
**2K15006-16 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.250</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 21:07	EPA 8021B	
<b>Toluene</b>	<b>0.00903</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 21:07	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.225</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 21:07	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0906</b>	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 21:07	EPA 8021B	
<b>Xylene (o)</b>	<b>0.0120</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 21:07	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		87.4 %			<i>P2K1502</i>	<i>11/15/22 10:59</i>	<i>11/15/22 21:07</i>	<i>EPA 8021B</i>	
<i>Surrogate: 1,4-Difluorobenzene</i>		89.8 %			<i>P2K1502</i>	<i>11/15/22 10:59</i>	<i>11/15/22 21:07</i>	<i>EPA 8021B</i>	

**PAH compounds by Semivolatile GCMS**

<b>1-Methylnaphthalene</b>	<b>0.49</b>	0.010	mg/L	100	P2K2101	11/17/22 09:00	11/17/22 18:15	8270C	SUB-13
<b>2-Methylnaphthalene</b>	<b>0.20</b>	0.010	mg/L	100	P2K2101	11/17/22 09:00	11/17/22 18:15	8270C	SUB-13
<b>Acenaphthene</b>	<b>0.012</b>	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
<b>Acenaphthylene</b>	<b>0.013</b>	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
<b>Anthracene</b>	<b>0.013</b>	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
Benzo (a) anthracene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
Benzo (a) pyrene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
Chrysene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
Fluoranthene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
Fluorene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.0010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	SUB-13
<b>Naphthalene</b>	<b>0.19</b>	0.0010	mg/L	100	P2K2101	11/17/22 09:00	11/17/22 18:15	8270C	SUB-13
<b>Phenanthrene</b>	<b>0.12</b>	0.010	mg/L	100	P2K2101	11/17/22 09:00	11/17/22 18:15	8270C	SUB-13
Pyrene	ND	0.010	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 17:54	8270C	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: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**RW-4**  
**2K15006-17 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>0.306</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 21:28	EPA 8021B	
<b>Toluene</b>	<b>0.00384</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 21:28	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.167</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 21:28	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0847</b>	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 21:28	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00728</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/15/22 21:28	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		86.6 %	80-120		P2K1502	11/15/22 10:59	11/15/22 21:28	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		92.4 %	80-120		P2K1502	11/15/22 10:59	11/15/22 21:28	EPA 8021B	

**PAH compounds by Semivolatile GCMS**

<b>1-Methylnaphthalene</b>	<b>0.066</b>	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
<b>2-Methylnaphthalene</b>	<b>0.0073</b>	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
Acenaphthene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
<b>Acenaphthylene</b>	<b>0.0055</b>	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
<b>Anthracene</b>	<b>0.017</b>	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
Benzo (a) anthracene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
Benzo (a) pyrene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
<b>Chrysene</b>	<b>0.022</b>	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
<b>Fluoranthene</b>	<b>0.0094</b>	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
Fluorene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
<b>Naphthalene</b>	<b>0.039</b>	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
<b>Phenanthrene</b>	<b>0.039</b>	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	SUB-13
Pyrene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:35	8270C	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: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**MW-4**  
**2K15006-18 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**Permian Basin Environmental Lab, L.P.**

**Organics by GC**

<b>Benzene</b>	<b>1.46</b>	0.00500	mg/L	5	P2K1502	11/15/22 10:59	11/15/22 21:50	EPA 8021B	
<b>Toluene</b>	<b>0.00242</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/16/22 09:56	EPA 8021B	
<b>Ethylbenzene</b>	<b>0.0167</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/16/22 09:56	EPA 8021B	
<b>Xylene (p/m)</b>	<b>0.0323</b>	0.00200	mg/L	1	P2K1502	11/15/22 10:59	11/16/22 09:56	EPA 8021B	
<b>Xylene (o)</b>	<b>0.00509</b>	0.00100	mg/L	1	P2K1502	11/15/22 10:59	11/16/22 09:56	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.5 %	80-120		P2K1502	11/15/22 10:59	11/16/22 09:56	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		98.0 %	80-120		P2K1502	11/15/22 10:59	11/16/22 09:56	EPA 8021B	

**PAH compounds by Semivolatile GCMS**

<b>1-Methylnaphthalene</b>	<b>0.81</b>	0.011	mg/L	100	P2K2101	11/17/22 09:00	11/18/22 16:02	8270C	SUB-13
<b>2-Methylnaphthalene</b>	<b>0.47</b>	0.011	mg/L	100	P2K2101	11/17/22 09:00	11/18/22 16:02	8270C	SUB-13
<b>Acenaphthene</b>	<b>0.015</b>	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
<b>Acenaphthylene</b>	<b>0.024</b>	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
<b>Anthracene</b>	<b>0.040</b>	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
Benzo (a) anthracene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
Benzo (a) pyrene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
Benzo (b) fluoranthene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
Benzo (g,h,i) perylene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
Benzo (k) fluoranthene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
Chrysene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
Dibenzo (a,h) anthracene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
Fluoranthene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
Fluorene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
Indeno (1,2,3-cd) pyrene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
<b>Naphthalene</b>	<b>0.093</b>	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	SUB-13
<b>Phenanthrene</b>	<b>0.20</b>	0.011	mg/L	100	P2K2101	11/17/22 09:00	11/18/22 16:02	8270C	SUB-13
Pyrene	ND	0.0011	mg/L	10	P2K2101	11/17/22 09:00	11/17/22 18:56	8270C	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: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2K1502 - \*\*\* DEFAULT PREP \*\*\***

**Blank (P2K1502-BLK1)**

Prepared & Analyzed: 11/15/22

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	0.128		"	0.120		107	80-120			
Surrogate: 1,4-Difluorobenzene	0.101		"	0.120		84.4	80-120			

**LCS (P2K1502-BS1)**

Prepared & Analyzed: 11/15/22

Benzene	0.102	0.00100	mg/L	0.100		102	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.112	0.00100	"	0.100		112	80-120			
Xylene (p/m)	0.217	0.00200	"	0.200		108	80-120			
Xylene (o)	0.0958	0.00100	"	0.100		95.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.120		112	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.7	80-120			

**LCS Dup (P2K1502-BSD1)**

Prepared & Analyzed: 11/15/22

Benzene	0.0995	0.00100	mg/L	0.100		99.5	80-120	2.47	20	
Toluene	0.0985	0.00100	"	0.100		98.5	80-120	1.98	20	
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120	2.54	20	
Xylene (p/m)	0.210	0.00200	"	0.200		105	80-120	3.12	20	
Xylene (o)	0.0913	0.00100	"	0.100		91.3	80-120	4.77	20	
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.0	80-120			

**Calibration Blank (P2K1502-CCB1)**

Prepared & Analyzed: 11/15/22

Benzene	0.0600		ug/l							
Toluene	0.400		"							
Ethylbenzene	0.290		"							
Xylene (p/m)	0.790		"							
Xylene (o)	0.390		"							
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.0981		"	0.120		81.8	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  
 10 Desta Dr STE 150E  
 Midland TX, 79705

Project: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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
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**Batch P2K1502 - \*\*\* DEFAULT PREP \*\*\***

**Calibration Blank (P2K1502-CCB2)**

Prepared & Analyzed: 11/15/22

Benzene	0.150		ug/l							
Toluene	0.360		"							
Ethylbenzene	0.370		"							
Xylene (p/m)	0.930		"							
Xylene (o)	0.510		"							
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.8	80-120			

**Calibration Check (P2K1502-CCV1)**

Prepared & Analyzed: 11/15/22

Benzene	0.101	0.00100	mg/L	0.100		101	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)	0.215	0.00200	"	0.200		108	80-120			
Xylene (o)	0.0966	0.00100	"	0.100		96.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.0996		"	0.120		83.0	80-120			

**Calibration Check (P2K1502-CCV2)**

Prepared & Analyzed: 11/15/22

Benzene	0.110	0.00100	mg/L	0.100		110	80-120			
Toluene	0.111	0.00100	"	0.100		111	80-120			
Ethylbenzene	0.114	0.00100	"	0.100		114	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.7	80-120			

**Calibration Check (P2K1502-CCV3)**

Prepared & Analyzed: 11/15/22

Benzene	0.114	0.00100	mg/L	0.100		114	80-120			
Toluene	0.113	0.00100	"	0.100		113	80-120			
Ethylbenzene	0.113	0.00100	"	0.100		113	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	0.127		"	0.120		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	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: 97-17  
 Project Number: TNM 97-17  
 Project Manager: Curt Stanley

**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 P2K1502 - \*\*\* DEFAULT PREP \*\*\***

<b>Matrix Spike (P2K1502-MS1)</b>	<b>Source: 2K15006-01</b>			<b>Prepared &amp; Analyzed: 11/15/22</b>						
Benzene	0.0989	0.00100	mg/L	0.100	ND	98.9	80-120			
Toluene	0.0964	0.00100	"	0.100	ND	96.4	80-120			
Ethylbenzene	0.104	0.00100	"	0.100	ND	104	80-120			
Xylene (p/m)	0.194	0.00200	"	0.200	ND	97.2	80-120			
Xylene (o)	0.0843	0.00100	"	0.100	ND	84.3	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.5	80-120			

<b>Matrix Spike Dup (P2K1502-MSD1)</b>	<b>Source: 2K15006-01</b>			<b>Prepared &amp; Analyzed: 11/15/22</b>						
Benzene	0.109	0.00100	mg/L	0.100	ND	109	80-120	9.50	20	
Toluene	0.106	0.00100	"	0.100	ND	106	80-120	9.87	20	
Ethylbenzene	0.115	0.00100	"	0.100	ND	115	80-120	10.5	20	
Xylene (p/m)	0.217	0.00200	"	0.200	ND	109	80-120	11.2	20	
Xylene (o)	0.0936	0.00100	"	0.100	ND	93.6	80-120	10.4	20	
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.5	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: 97-17  
Project Number: TNM 97-17  
Project Manager: Curt Stanley

**Notes and Definitions**

- SUB-13 Subcontract of analyte/analysis to ALS Houston.
- 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: 11/29/2022

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







ORIGIN ID:MAEA (432) 686-7235  
BRENT BARRON  
PBE LAB  
1400 RANKIN HWY  
MIDLAND, TX 79701  
UNITED STATES US

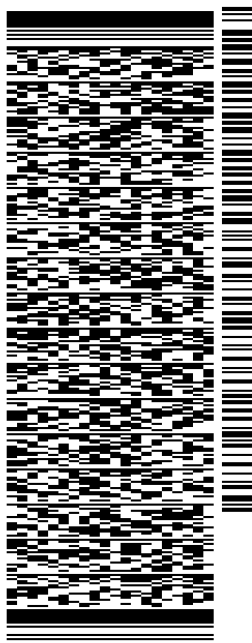
SHIP DATE: 15NOV22  
ACTWGT: 8.00 LB  
CAD: 107136946IN/ET4530

BILL RECIPIENT

TO **SAMPLE RECEIVING**  
**ALS-HOUSTON**  
**10450 STANCLIFF RD**

**HOUSTON TX 77099**

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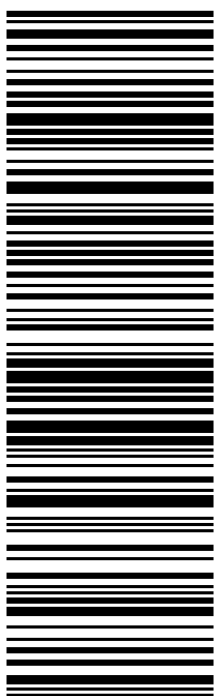
J224222101801uv

581J6/E4B8/FE2D

TRK# 7704 9664 7442  
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November 18, 2022

Brent Barron  
Permian Basin Environmental Lab, LP  
10014 SCR 1213  
Midland, TX 79706

Work Order: **HS22110953**

Laboratory Results for: **2K15006**

Dear Brent Barron,

ALS Environmental received 5 sample(s) on Nov 16, 2022 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: 18-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K15006  
**Work Order:** HS22110953

**SAMPLE SUMMARY**

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS22110953-01	2K15006-14	Water		11-Nov-2022 10:47	16-Nov-2022 09:30	<input type="checkbox"/>
HS22110953-02	2K15006-15	Water		11-Nov-2022 11:23	16-Nov-2022 09:30	<input type="checkbox"/>
HS22110953-03	2K15006-16	Water		11-Nov-2022 11:45	16-Nov-2022 09:30	<input type="checkbox"/>
HS22110953-04	2K15006-17	Water		11-Nov-2022 12:07	16-Nov-2022 09:30	<input type="checkbox"/>
HS22110953-05	2K15006-18	Water		11-Nov-2022 12:59	16-Nov-2022 09:30	<input type="checkbox"/>



**ALS Houston, US**

Date: 18-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K15006  
**Work Order:** HS22110953

**CASE NARRATIVE**

---

**GCMS Semivolatiles by Method SW8270**

**Batch ID: 186315**

**Sample ID: 2K15006-14 (HS22110953-01)**

- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

**Sample ID: 2K15006-15 (HS22110953-02)**

- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

**Sample ID: 2K15006-16 (HS22110953-03)**

- Surrogate recoveries were outside of the control limits due to matrix interference.
- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.
- The surrogate recoveries could not be determined due to dilution below the calibration range.

**Sample ID: 2K15006-17 (HS22110953-04)**

- Surrogate recoveries were outside of the control limits due to matrix interference.
- The GCMS semi-volatile extract of this sample was run at a dilution due to a high level of matrix interference.

**Sample ID: 2K15006-18 (HS22110953-05)**

- Surrogate recoveries were outside of the control limits due to matrix interference.
  - The surrogate recoveries could not be determined due to dilution below the calibration range.
-

**ALS Houston, US**

Date: 18-Nov-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2K15006  
 Sample ID: 2K15006-14  
 Collection Date: 11-Nov-2022 10:47

**ANALYTICAL REPORT**

WorkOrder:HS22110953  
 Lab ID:HS22110953-01  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>LOW-LEVEL PAHS - 8270D</b>		<b>Method:SW8270</b>			Prep:SW3511 / 17-Nov-2022	Analyst: MBG
<b>1-Methylnaphthalene</b>	<b>15.0</b>	n	<b>1.04</b>	<b>ug/L</b>	10	17-Nov-2022 17:12
2-Methylnaphthalene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Acenaphthene	ND		1.04	ug/L	10	17-Nov-2022 17:12
<b>Acenaphthylene</b>	<b>2.33</b>		<b>1.04</b>	<b>ug/L</b>	10	17-Nov-2022 17:12
Anthracene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Benz(a)anthracene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Benzo(a)pyrene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Benzo(b)fluoranthene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Benzo(g,h,i)perylene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Benzo(k)fluoranthene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Chrysene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Dibenz(a,h)anthracene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Fluoranthene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Fluorene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Indeno(1,2,3-cd)pyrene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Naphthalene	ND		1.04	ug/L	10	17-Nov-2022 17:12
<b>Phenanthrene</b>	<b>5.94</b>		<b>1.04</b>	<b>ug/L</b>	10	17-Nov-2022 17:12
Pyrene	ND		1.04	ug/L	10	17-Nov-2022 17:12
Surr: 2-Fluorobiphenyl	86.8		32-130	%REC	10	17-Nov-2022 17:12
Surr: 4-Terphenyl-d14	83.2		40-135	%REC	10	17-Nov-2022 17:12
Surr: Nitrobenzene-d5	117		45-142	%REC	10	17-Nov-2022 17:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 18-Nov-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2K15006  
 Sample ID: 2K15006-15  
 Collection Date: 11-Nov-2022 11:23

**ANALYTICAL REPORT**

WorkOrder:HS22110953  
 Lab ID:HS22110953-02  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>LOW-LEVEL PAHS - 8270D</b>		<b>Method:SW8270</b>			Prep:SW3511 / 17-Nov-2022	Analyst: MBG
<b>1-Methylnaphthalene</b>	<b>34.2</b>	n	<b>1.03</b>	<b>ug/L</b>	10	17-Nov-2022 17:33
<b>2-Methylnaphthalene</b>	<b>5.64</b>		<b>1.03</b>	<b>ug/L</b>	10	17-Nov-2022 17:33
Acenaphthene	ND		1.03	ug/L	10	17-Nov-2022 17:33
<b>Acenaphthylene</b>	<b>1.42</b>		<b>1.03</b>	<b>ug/L</b>	10	17-Nov-2022 17:33
<b>Anthracene</b>	<b>2.54</b>		<b>1.03</b>	<b>ug/L</b>	10	17-Nov-2022 17:33
Benz(a)anthracene	ND		1.03	ug/L	10	17-Nov-2022 17:33
Benzo(a)pyrene	ND		1.03	ug/L	10	17-Nov-2022 17:33
Benzo(b)fluoranthene	ND		1.03	ug/L	10	17-Nov-2022 17:33
Benzo(g,h,i)perylene	ND		1.03	ug/L	10	17-Nov-2022 17:33
Benzo(k)fluoranthene	ND		1.03	ug/L	10	17-Nov-2022 17:33
Chrysene	ND		1.03	ug/L	10	17-Nov-2022 17:33
Dibenz(a,h)anthracene	ND		1.03	ug/L	10	17-Nov-2022 17:33
Fluoranthene	ND		1.03	ug/L	10	17-Nov-2022 17:33
Fluorene	ND		1.03	ug/L	10	17-Nov-2022 17:33
Indeno(1,2,3-cd)pyrene	ND		1.03	ug/L	10	17-Nov-2022 17:33
<b>Naphthalene</b>	<b>7.57</b>		<b>1.03</b>	<b>ug/L</b>	10	17-Nov-2022 17:33
<b>Phenanthrene</b>	<b>11.3</b>		<b>1.03</b>	<b>ug/L</b>	10	17-Nov-2022 17:33
Pyrene	ND		1.03	ug/L	10	17-Nov-2022 17:33
Surr: 2-Fluorobiphenyl	84.2		32-130	%REC	10	17-Nov-2022 17:33
Surr: 4-Terphenyl-d14	80.6		40-135	%REC	10	17-Nov-2022 17:33
Surr: Nitrobenzene-d5	119		45-142	%REC	10	17-Nov-2022 17:33

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 18-Nov-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2K15006  
 Sample ID: 2K15006-16  
 Collection Date: 11-Nov-2022 11:45

**ANALYTICAL REPORT**

WorkOrder:HS22110953  
 Lab ID:HS22110953-03  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>LOW-LEVEL PAHS - 8270D</b>		<b>Method:SW8270</b>			Prep:SW3511 / 17-Nov-2022	Analyst: MBG
<b>1-Methylnaphthalene</b>	<b>487</b>	n	<b>10.4</b>	<b>ug/L</b>	100	17-Nov-2022 18:15
<b>2-Methylnaphthalene</b>	<b>203</b>		<b>10.4</b>	<b>ug/L</b>	100	17-Nov-2022 18:15
<b>Acenaphthene</b>	<b>12.1</b>		<b>1.04</b>	<b>ug/L</b>	10	17-Nov-2022 17:54
<b>Acenaphthylene</b>	<b>13.2</b>		<b>1.04</b>	<b>ug/L</b>	10	17-Nov-2022 17:54
<b>Anthracene</b>	<b>12.6</b>		<b>1.04</b>	<b>ug/L</b>	10	17-Nov-2022 17:54
Benz(a)anthracene	ND		1.04	ug/L	10	17-Nov-2022 17:54
Benzo(a)pyrene	ND		1.04	ug/L	10	17-Nov-2022 17:54
Benzo(b)fluoranthene	ND		1.04	ug/L	10	17-Nov-2022 17:54
Benzo(g,h,i)perylene	ND		1.04	ug/L	10	17-Nov-2022 17:54
Benzo(k)fluoranthene	ND		1.04	ug/L	10	17-Nov-2022 17:54
Chrysene	ND		1.04	ug/L	10	17-Nov-2022 17:54
Dibenz(a,h)anthracene	ND		1.04	ug/L	10	17-Nov-2022 17:54
Fluoranthene	ND		1.04	ug/L	10	17-Nov-2022 17:54
Fluorene	ND		1.04	ug/L	10	17-Nov-2022 17:54
Indeno(1,2,3-cd)pyrene	ND		1.04	ug/L	10	17-Nov-2022 17:54
<b>Naphthalene</b>	<b>188</b>		<b>10.4</b>	<b>ug/L</b>	100	17-Nov-2022 18:15
<b>Phenanthrene</b>	<b>123</b>		<b>10.4</b>	<b>ug/L</b>	100	17-Nov-2022 18:15
Pyrene	ND		1.04	ug/L	10	17-Nov-2022 17:54
Surr: 2-Fluorobiphenyl	89.2		32-130	%REC	10	17-Nov-2022 17:54
Surr: 2-Fluorobiphenyl	0	JS	32-130	%REC	100	17-Nov-2022 18:15
Surr: 4-Terphenyl-d14	75.2		40-135	%REC	10	17-Nov-2022 17:54
Surr: 4-Terphenyl-d14	0	JS	40-135	%REC	100	17-Nov-2022 18:15
Surr: Nitrobenzene-d5	287	S	45-142	%REC	10	17-Nov-2022 17:54
Surr: Nitrobenzene-d5	0	JS	45-142	%REC	100	17-Nov-2022 18:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 18-Nov-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2K15006  
 Sample ID: 2K15006-17  
 Collection Date: 11-Nov-2022 12:07

**ANALYTICAL REPORT**

WorkOrder:HS22110953  
 Lab ID:HS22110953-04  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>LOW-LEVEL PAHS - 8270D</b>		<b>Method:SW8270</b>			Prep:SW3511 / 17-Nov-2022	Analyst: MBG
<b>1-Methylnaphthalene</b>	<b>66.0</b>	n	<b>1.06</b>	<b>ug/L</b>	10	17-Nov-2022 18:35
<b>2-Methylnaphthalene</b>	<b>7.31</b>		<b>1.06</b>	<b>ug/L</b>	10	17-Nov-2022 18:35
Acenaphthene	ND		1.06	ug/L	10	17-Nov-2022 18:35
<b>Acenaphthylene</b>	<b>5.53</b>		<b>1.06</b>	<b>ug/L</b>	10	17-Nov-2022 18:35
<b>Anthracene</b>	<b>16.6</b>		<b>1.06</b>	<b>ug/L</b>	10	17-Nov-2022 18:35
Benz(a)anthracene	ND		1.06	ug/L	10	17-Nov-2022 18:35
Benzo(a)pyrene	ND		1.06	ug/L	10	17-Nov-2022 18:35
Benzo(b)fluoranthene	ND		1.06	ug/L	10	17-Nov-2022 18:35
Benzo(g,h,i)perylene	ND		1.06	ug/L	10	17-Nov-2022 18:35
Benzo(k)fluoranthene	ND		1.06	ug/L	10	17-Nov-2022 18:35
<b>Chrysene</b>	<b>21.7</b>		<b>1.06</b>	<b>ug/L</b>	10	17-Nov-2022 18:35
Dibenz(a,h)anthracene	ND		1.06	ug/L	10	17-Nov-2022 18:35
<b>Fluoranthene</b>	<b>9.43</b>		<b>1.06</b>	<b>ug/L</b>	10	17-Nov-2022 18:35
Fluorene	ND		1.06	ug/L	10	17-Nov-2022 18:35
Indeno(1,2,3-cd)pyrene	ND		1.06	ug/L	10	17-Nov-2022 18:35
<b>Naphthalene</b>	<b>38.8</b>		<b>1.06</b>	<b>ug/L</b>	10	17-Nov-2022 18:35
<b>Phenanthrene</b>	<b>38.9</b>		<b>1.06</b>	<b>ug/L</b>	10	17-Nov-2022 18:35
Pyrene	ND		1.06	ug/L	10	17-Nov-2022 18:35
Surr: 2-Fluorobiphenyl	113		32-130	%REC	10	17-Nov-2022 18:35
Surr: 4-Terphenyl-d14	113		40-135	%REC	10	17-Nov-2022 18:35
Surr: Nitrobenzene-d5	588	S	45-142	%REC	10	17-Nov-2022 18:35

Note: See Qualifiers Page for a list of qualifiers and their explanation.

**ALS Houston, US**

Date: 18-Nov-22

Client: Permian Basin Environmental Lab, LP  
 Project: 2K15006  
 Sample ID: 2K15006-18  
 Collection Date: 11-Nov-2022 12:59

**ANALYTICAL REPORT**

WorkOrder:HS22110953  
 Lab ID:HS22110953-05  
 Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>LOW-LEVEL PAHS - 8270D</b>		<b>Method:SW8270</b>			Prep:SW3511 / 17-Nov-2022	Analyst: MBG
<b>1-Methylnaphthalene</b>	<b>809</b>	n	<b>10.6</b>	<b>ug/L</b>	100	18-Nov-2022 16:02
<b>2-Methylnaphthalene</b>	<b>465</b>		<b>10.6</b>	<b>ug/L</b>	100	18-Nov-2022 16:02
<b>Acenaphthene</b>	<b>15.0</b>		<b>1.06</b>	<b>ug/L</b>	10	17-Nov-2022 18:56
<b>Acenaphthylene</b>	<b>24.0</b>		<b>1.06</b>	<b>ug/L</b>	10	17-Nov-2022 18:56
<b>Anthracene</b>	<b>40.4</b>		<b>1.06</b>	<b>ug/L</b>	10	17-Nov-2022 18:56
Benz(a)anthracene	ND		1.06	ug/L	10	17-Nov-2022 18:56
Benzo(a)pyrene	ND		1.06	ug/L	10	17-Nov-2022 18:56
Benzo(b)fluoranthene	ND		1.06	ug/L	10	17-Nov-2022 18:56
Benzo(g,h,i)perylene	ND		1.06	ug/L	10	17-Nov-2022 18:56
Benzo(k)fluoranthene	ND		1.06	ug/L	10	17-Nov-2022 18:56
Chrysene	ND		1.06	ug/L	10	17-Nov-2022 18:56
Dibenz(a,h)anthracene	ND		1.06	ug/L	10	17-Nov-2022 18:56
Fluoranthene	ND		1.06	ug/L	10	17-Nov-2022 18:56
Fluorene	ND		1.06	ug/L	10	17-Nov-2022 18:56
Indeno(1,2,3-cd)pyrene	ND		1.06	ug/L	10	17-Nov-2022 18:56
<b>Naphthalene</b>	<b>92.8</b>		<b>1.06</b>	<b>ug/L</b>	10	17-Nov-2022 18:56
<b>Phenanthrene</b>	<b>201</b>		<b>10.6</b>	<b>ug/L</b>	100	18-Nov-2022 16:02
Pyrene	ND		1.06	ug/L	10	17-Nov-2022 18:56
Surr: 2-Fluorobiphenyl	0	JS	32-130	%REC	100	18-Nov-2022 16:02
Surr: 2-Fluorobiphenyl	75.8		32-130	%REC	10	17-Nov-2022 18:56
Surr: 4-Terphenyl-d14	132		40-135	%REC	10	17-Nov-2022 18:56
Surr: 4-Terphenyl-d14	0	JS	40-135	%REC	100	18-Nov-2022 16:02
Surr: Nitrobenzene-d5	0	JS	45-142	%REC	100	18-Nov-2022 16:02
Surr: Nitrobenzene-d5	897	S	45-142	%REC	10	17-Nov-2022 18:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Houston, US

Date: 18-Nov-22

Weight / Prep Log

Client: Permian Basin Environmental Lab, LP

Project: 2K15006

WorkOrder: HS22110953

Batch ID: 186315

Start Date: 17 Nov 2022 09:00

End Date: 17 Nov 2022 12:00

Method: SW3511

Prep Code: 3511\_PAH

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS22110953-01		31.76 (mL)	2 (mL)	0.06297	40 mL Amber
HS22110953-02		31.92 (mL)	2 (mL)	0.06266	40 mL Amber
HS22110953-03		31.6 (mL)	2 (mL)	0.06329	40 mL Amber
HS22110953-04		31.22 (mL)	2 (mL)	0.06406	40 mL Amber
HS22110953-05		31.16 (mL)	2 (mL)	0.06418	40 mL Amber

ALS Houston, US

Date: 18-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K15006  
**WorkOrder:** HS22110953

**DATES REPORT**

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
<b>Batch ID:</b> 186315 ( 0 )		<b>Test Name :</b> LOW-LEVEL PAHS - 8270D			<b>Matrix:</b> Water	
HS22110953-01	2K15006-14	11 Nov 2022 10:47		17 Nov 2022 09:00	17 Nov 2022 17:12	10
HS22110953-02	2K15006-15	11 Nov 2022 11:23		17 Nov 2022 09:00	17 Nov 2022 17:33	10
HS22110953-03	2K15006-16	11 Nov 2022 11:45		17 Nov 2022 09:00	17 Nov 2022 18:15	100
HS22110953-03	2K15006-16	11 Nov 2022 11:45		17 Nov 2022 09:00	17 Nov 2022 17:54	10
HS22110953-04	2K15006-17	11 Nov 2022 12:07		17 Nov 2022 09:00	17 Nov 2022 18:35	10
HS22110953-05	2K15006-18	11 Nov 2022 12:59		17 Nov 2022 09:00	18 Nov 2022 16:02	100
HS22110953-05	2K15006-18	11 Nov 2022 12:59		17 Nov 2022 09:00	17 Nov 2022 18:56	10



ALS Houston, US

Date: 18-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K15006  
**WorkOrder:** HS22110953

**QC BATCH REPORT**

<b>Batch ID:</b> 186315 ( 0 )	<b>Instrument:</b> SV-6	<b>Method:</b> LOW-LEVEL PAHS - 8270D
-------------------------------	-------------------------	---------------------------------------

<b>MBLK</b>	Sample ID: <b>MBLK-186315</b>	Units: <b>ug/L</b>	Analysis Date: <b>17-Nov-2022 13:25</b>							
Client ID:	Run ID: <b>SV-6_422199</b>	SeqNo: <b>6990846</b>	PrepDate: <b>17-Nov-2022</b> DF: <b>1</b>							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

1-Methylnaphthalene	ND	0.100								
2-Methylnaphthalene	ND	0.100								
Acenaphthene	ND	0.100								
Acenaphthylene	ND	0.100								
Anthracene	ND	0.100								
Benz(a)anthracene	ND	0.100								
Benzo(a)pyrene	ND	0.100								
Benzo(b)fluoranthene	ND	0.100								
Benzo(g,h,i)perylene	ND	0.100								
Benzo(k)fluoranthene	ND	0.100								
Chrysene	ND	0.100								
Dibenz(a,h)anthracene	ND	0.100								
Fluoranthene	ND	0.100								
Fluorene	ND	0.100								
Indeno(1,2,3-cd)pyrene	ND	0.100								
Naphthalene	ND	0.100								
Phenanthrene	ND	0.100								
Pyrene	ND	0.100								
Surr: 2-Fluorobiphenyl	3.201	0.100	3.03	0	106	32 - 130				
Surr: 4-Terphenyl-d14	3.609	0.100	3.03	0	119	40 - 135				
Surr: Nitrobenzene-d5	3.101	0.100	3.03	0	102	45 - 142				

**ALS Houston, US**

Date: 18-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K15006  
**WorkOrder:** HS22110953

**QC BATCH REPORT**

Batch ID: 186315 ( 0 )		Instrument: SV-6		Method: LOW-LEVEL PAHS - 8270D						
LCS	Sample ID: LCS-186315	Units: ug/L			Analysis Date: 17-Nov-2022 13:45					
Client ID:	Run ID: SV-6_422199	SeqNo: 6990847		PrepDate: 17-Nov-2022		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
1-Methylnaphthalene	3.661	0.100	3.03	0	121	40 - 140				
2-Methylnaphthalene	2.822	0.100	3.03	0	93.1	40 - 140				
Acenaphthene	2.402	0.100	3.03	0	79.3	40 - 140				
Acenaphthylene	2.552	0.100	3.03	0	84.2	40 - 140				
Anthracene	3.18	0.100	3.03	0	105	40 - 140				
Benz(a)anthracene	4.033	0.100	3.03	0	133	40 - 140				
Benzo(a)pyrene	2.495	0.100	3.03	0	82.3	40 - 140				
Benzo(b)fluoranthene	3.212	0.100	3.03	0	106	40 - 140				
Benzo(g,h,i)perylene	2.87	0.100	3.03	0	94.7	40 - 140				
Benzo(k)fluoranthene	3.159	0.100	3.03	0	104	40 - 140				
Chrysene	3.564	0.100	3.03	0	118	40 - 140				
Dibenz(a,h)anthracene	3.426	0.100	3.03	0	113	40 - 140				
Fluoranthene	2.652	0.100	3.03	0	87.5	40 - 140				
Fluorene	2.68	0.100	3.03	0	88.4	40 - 140				
Indeno(1,2,3-cd)pyrene	3.591	0.100	3.03	0	119	40 - 140				
Naphthalene	3.068	0.100	3.03	0	101	40 - 140				
Phenanthrene	2.409	0.100	3.03	0	79.5	40 - 140				
Pyrene	3.581	0.100	3.03	0	118	40 - 140				
Surr: 2-Fluorobiphenyl	2.898	0.100	3.03	0	95.7	32 - 130				
Surr: 4-Terphenyl-d14	3.741	0.100	3.03	0	123	40 - 135				
Surr: Nitrobenzene-d5	2.827	0.100	3.03	0	93.3	45 - 142				

**ALS Houston, US**

Date: 18-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K15006  
**WorkOrder:** HS22110953

**QC BATCH REPORT**

**Batch ID:** 186315 ( 0 )      **Instrument:** SV-6      **Method:** LOW-LEVEL PAHS - 8270D

LCSD	Sample ID: LCSD-186315	Units: ug/L			Analysis Date: 17-Nov-2022 14:06					
Client ID:	Run ID: SV-6_422199	SeqNo: 6990848	PrepDate: 17-Nov-2022	DF: 1						
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1-Methylnaphthalene	3.717	0.100	3.03	0	123	40 - 140	3.661	1.51	25	
2-Methylnaphthalene	3.486	0.100	3.03	0	115	40 - 140	2.822	21.1	25	
Acenaphthene	2.556	0.100	3.03	0	84.4	40 - 140	2.402	6.21	25	
Acenaphthylene	2.681	0.100	3.03	0	88.5	40 - 140	2.552	4.95	25	
Anthracene	3.341	0.100	3.03	0	110	40 - 140	3.18	4.96	25	
Benz(a)anthracene	4.052	0.100	3.03	0	134	40 - 140	4.033	0.457	25	
Benzo(a)pyrene	2.662	0.100	3.03	0	87.8	40 - 140	2.495	6.46	25	
Benzo(b)fluoranthene	3.063	0.100	3.03	0	101	40 - 140	3.212	4.76	25	
Benzo(g,h,i)perylene	3.111	0.100	3.03	0	103	40 - 140	2.87	8.05	25	
Benzo(k)fluoranthene	3.338	0.100	3.03	0	110	40 - 140	3.159	5.51	25	
Chrysene	3.433	0.100	3.03	0	113	40 - 140	3.564	3.76	25	
Dibenz(a,h)anthracene	3.227	0.100	3.03	0	107	40 - 140	3.426	5.98	25	
Fluoranthene	2.842	0.100	3.03	0	93.8	40 - 140	2.652	6.93	25	
Fluorene	2.788	0.100	3.03	0	92.0	40 - 140	2.68	3.98	25	
Indeno(1,2,3-cd)pyrene	3.884	0.100	3.03	0	128	40 - 140	3.591	7.83	25	
Naphthalene	3.178	0.100	3.03	0	105	40 - 140	3.068	3.51	25	
Phenanthrene	2.585	0.100	3.03	0	85.3	40 - 140	2.409	7.02	25	
Pyrene	3.55	0.100	3.03	0	117	40 - 140	3.581	0.881	25	
Surr: 2-Fluorobiphenyl	3.022	0.100	3.03	0	99.7	32 - 130	2.898	4.17	25	
Surr: 4-Terphenyl-d14	3.527	0.100	3.03	0	116	40 - 135	3.741	5.89	25	
Surr: Nitrobenzene-d5	3.553	0.100	3.03	0	117	45 - 142	2.827	22.8	25	

The following samples were analyzed in this batch: HS22110953-01    HS22110953-02    HS22110953-03    HS22110953-04  
 HS22110953-05

**ALS Houston, US**

Date: 18-Nov-22

**Client:** Permian Basin Environmental Lab, LP  
**Project:** 2K15006  
**WorkOrder:** HS22110953

**QUALIFIERS,  
ACRONYMS, UNITS**

<b>Qualifier</b>	<b>Description</b>
*	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

<b>Acronym</b>	<b>Description</b>
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: 18-Nov-22

**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

Agency	Number	Expire Date
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2022	31-Dec-2022
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932022-13	31-Jul-2023

ALS Houston, US

Date: 18-Nov-22

Sample Receipt Checklist

Work Order ID: HS22110953

Date/Time Received: 16-Nov-2022 09:30

Client Name: Permian Basin Lab

Received by: Corey Grandits

Completed By: /S/ Niles D. Ranchod	16-Nov-2022 14:15	Reviewed by: /S/ Anna Kinchen	17-Nov-2022 08:38
eSignature	Date/Time	eSignature	Date/Time

Matrices: **Water**

Carrier 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
- 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):	2.2C/1.7C UC/C	IR#31
Cooler(s)/Kit(s):	Small Red	
Date/Time sample(s) sent to storage:	11/16/2022 14:20	
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/> No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/> No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:



ORIGIN ID:MAFA (432) 686-7235  
 BRENT BARON  
 PEB LAB  
 1400 RANKIN HWY  
 MIDLAND, TX 79701  
 UNITED STATES US

SHIP DATE: 15NOV22  
 ACTWGT: 8.00 LB  
 CAD: 107138949INET4530

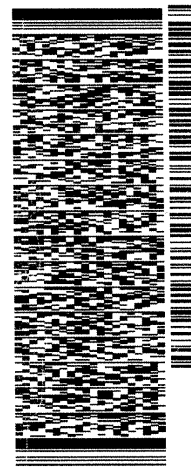
TO **SAMPLE RECEIVING**  
**ALS-HOUSTON**  
**10450 STANCLIFF RD**

BILL RECIPIENT

**HOUSTON TX 77099**

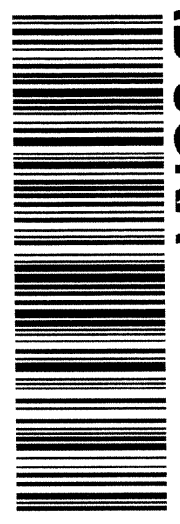
PO: (281) 530-5615 REF: DEPT:

581J6/E4B9/FE2D



TRK# 7704 9664 7442  
 0201

WED - 16 NOV 4:30P  
 STANDARD OVERNIGHT



**ABSGRA**

77099  
 TX-US IAH

*SM Red*

NOV 16 2022

**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number. Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.



**APPENDIX B:  
Release Notification and Corrective Action  
(NMOCD Form C-141)**

P. O. Box 1980  
Hobbs, NM 88241-1980  
District II - (505) 748-1283  
811 South First  
Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Road  
Aztec, NM 87410  
District IV - (505) 827-7131

Enc Minerals and Natural Resources Department  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

Form C-141  
Originated 2/13/97

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

Release Notification and Corrective Action

OPERATOR

Initial Report  Final Report

Name Texas-New Mexico Pipe Line Company	Contact Edwin H. Gripp
Address Box 60028, San Angelo, TX 76906	Telephone No. (915) 947-9000
Facility Name Vacuum Jct. to Gal Main Line	Facility Type pipe line
Surface Owner Millard Bush	Mineral Owner
	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	21	20S	37E					Lea

NATURE OF RELEASE

Type of Release sour crude	Volume of Release 170 barrels	Volume Recovered 160 barrels
Source of Release 8" pipeline on scraper trap bypass	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 8-13-97 3:00 PM CST
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Delina Wardlaw	
By Whom? Johnny W. Chapman	Date and Hour 8-13-97 4:45 pm CST	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

External Corrosion  
Leak successfully clamped off.

Describe Area Affected and Cleanup Action Taken.\*

Approximately 360 sq. ft. scraper trap area.  
Contaminated soil was removed

Describe General Conditions Prevailing (Temperature, Precipitation, etc).\*

Clear 90°

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *E. H. Gripp*

Printed Name: Edwin H. Gripp

Title: District Manager

Date: 8-14-97

Phone: 915-947-9001

OIL CONSERVATION DIVISION

Approved by  
District Supervisor:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached

\* Attach Additional Sheets If Necessary

State Corp. Commission  
Pipe Line Division

Hazardous Waste Section  
NM Environmental Improvement Div.

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 201465

**CONDITIONS**

Operator: PLAINS MARKETING L.P. 333 Clay Street Suite 1900 Houston, TX 77002	OGRID: 34053
	Action Number: 201465
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

**CONDITIONS**

Created By	Condition	Condition Date
nvelez	Review of 2022 ANNUAL MONITORING REPORT: Content satisfactory 1. Continue monthly gauging and quartering sampling in 2023 2. Continue manual product recovery on a monthly schedule 3. Continue sampling for PAH analysis from MW-4, MW-6, MW-7, MW-8, MW-14, MW-15, MW-19, and RW-3 through RW-6 4. Conduct quarterly low-flow sampling of MNA parameters on MW-11, MW-5, MW-7, MW-19, MW-25, and RW-3 5. Submit the next Annual Monitoring Report to OCD no later than April 1, 2024.	4/13/2023