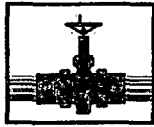


**AP - 052**

**QUARTERLY  
MONITORING  
REPORT**

**Fourth/2008**



**PLAINS**  
PIPELINE, L.P.

RECEIVED

January 13, 2009

2009 JAN 16 PM 1 09

Mr. Edward Hansen  
New Mexico Oil Conservation Division  
Environmental Bureau  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

RE: Plains Pipeline, L.P. C. S. Cayler Release Site  
NMOCD Reference # AP-052  
Unit Letter B of Section 6, Township 17 South, Range 37 East  
Lea County, New Mexico

Dear Mr. Hansen:

Plains Pipeline, L.P. is pleased to submit the attached Quarterly Report, dated January 13, 2009, for the C.S. Cayler release site located in Section 6 of Township 17 South, and Range 37 East of Lea County, New Mexico. This document summarizes the status of recent activities performed during the fourth quarter of 2008.

Should you have any questions or comments, please contact me at (575) 441-1099.

Sincerely,

Jason Henry  
Remediation Coordinator  
Plains All American

CC: Larry Johnson, NMOCD, Hobbs Office

Enclosure



January 13, 2009

AMARILLO  
921 North Bivins  
Amarillo, Texas 79107  
Phone 806.467.0607  
Fax 806.467.0622

AUSTIN  
3003 Tom Gary Cove  
Building C-100  
Round Rock, Texas 78664  
Phone 512.989.3428  
Fax 512.989.3487

MIDLAND  
2901 State Highway 349  
Midland, Texas 79706  
Phone 432.522.2133  
Fax 432.522.2180

SAN ANTONIO  
17170 Jordan Road  
Suite 102  
Selma, Texas 78154  
Phone 210.579.0235  
Fax 210.568.2191

TULSA  
9906 East 43<sup>rd</sup> Street  
Suite G  
Tulsa, Oklahoma 74146  
Phone 918.742.0871  
Fax 918.742.0876

HOBBS  
318 East Taylor Street  
Hobbs, New Mexico 88241  
Phone 505.393.4261  
Fax 505.393.4658

TYLER  
719 West Front Street  
Suite 255  
Tyler, Texas 75702  
Phone 903.531.9971  
Fax 903.531.9979

HOUSTON  
3233 West 11th Street  
Suite 400  
Houston, Texas 77008  
Phone 713.861.0081  
Fax 713.868.3208

ENVIRONMENTAL CONSULTING  
ENGINEERING  
DRILLING  
CONSTRUCTION  
EMERGENCY RESPONSE

Mr. Edward Hansen  
New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Re: Plains Pipeline, L.P. C.S. Cayler (Plains SRS#2002-10250)  
Fourth Quarter 2008 Summary  
NMOCD Reference # AP-052 (OLD 1R-0382)  
UL-B (NW¼ of the NE¼) of Section 6, T17S, R37E  
Latitude: 32° 52' 2.45"N and Longitude: 103° 17' 17.73"W  
Landowner: Robert C. Rice  
Lea County, New Mexico

Dear Mr. Hansen:

Talon/LPE, on behalf of Plains Pipeline, L.P. (Plains), submits this letter summarizing the fourth quarter activities.

#### Remediation Activities

Five skimmer pumps located in MW-2 through MW-5, and MW-7 were utilized to recover phase separated hydrocarbons (PSH). A skimmer pump was installed in monitor well MW-1A on December 18, 2008. The system is maintained weekly to optimize recovery rates. A poly tank is utilized to contain purge water generated during quarterly monitoring events and recovered PSH. The poly tank is gauged weekly to monitor PSH recovery. Approximately 618 gallons of PSH was recovered during the fourth quarter. Thirty-eight barrels of crude oil were evacuated from the poly tank via vacuum truck and were subsequently reintroduced into the Plains pipeline system. A summary of the historical groundwater gauging data is provided in Table 1.

Plains has completed a contract with Three Forks for water disposal access at the Apollo SWD that is located approximately 1.5 miles west of the site. Plains is currently in the process of obtaining right-of-way access in order to lay poly line to the disposal facility. Upon receiving right-of-way access, a 4-inch poly line will be placed to connect the remediation site to the disposal facility.

#### Quarterly Sampling Event

The Fourth Quarter 2008 groundwater sampling event occurred on December 4, 2008. During the sampling event, monitor wells MW-6, MW-9 through MW-11, and MW-13 through MW-18 were sampled and groundwater samples from each monitor well were submitted for quantification of benzene, toluene, ethylbenzene, and total xylenes (BTEX) using SW-846 Method 8021B. Groundwater monitor wells MW-2 through MW-5, MW-7, MW-8, and MW-12 were not sampled due to the presence of PSH.

Analytical results from the December 4, 2008, sampling event indicate that BTEX constituents were detected above the laboratory reporting limits in monitor wells MW-6, MW-9, MW-13, and MW-16. Benzene concentrations exceeded the New Mexico Water Quality Control Commission (NMWQCC) groundwater standard of 0.010 mg/L in monitor wells MW-6 (0.200 mg/L), MW-9 (0.166 mg/L), MW-13 (0.0240 mg/L), and MW-16 (0.0147 mg/L). Analytical results for the fourth quarter sampling event are summarized in Table 2 and Figure 3d. The groundwater gradient map for the fourth quarter is presented in Figure 2d.

If you have any questions or require further information, please contact me at (432) 522-2133 or Mr. Jason Henry at (575) 441-1099.

Sincerely,



Shanna L. Smith  
Project Manager

Enclosures

Figure 1 – Site Plan

Figure 2d – Groundwater Gradient Map (12/4/2008)

Figure 3d – PSH Thickness & Groundwater Concentration Map (12/4/2008)

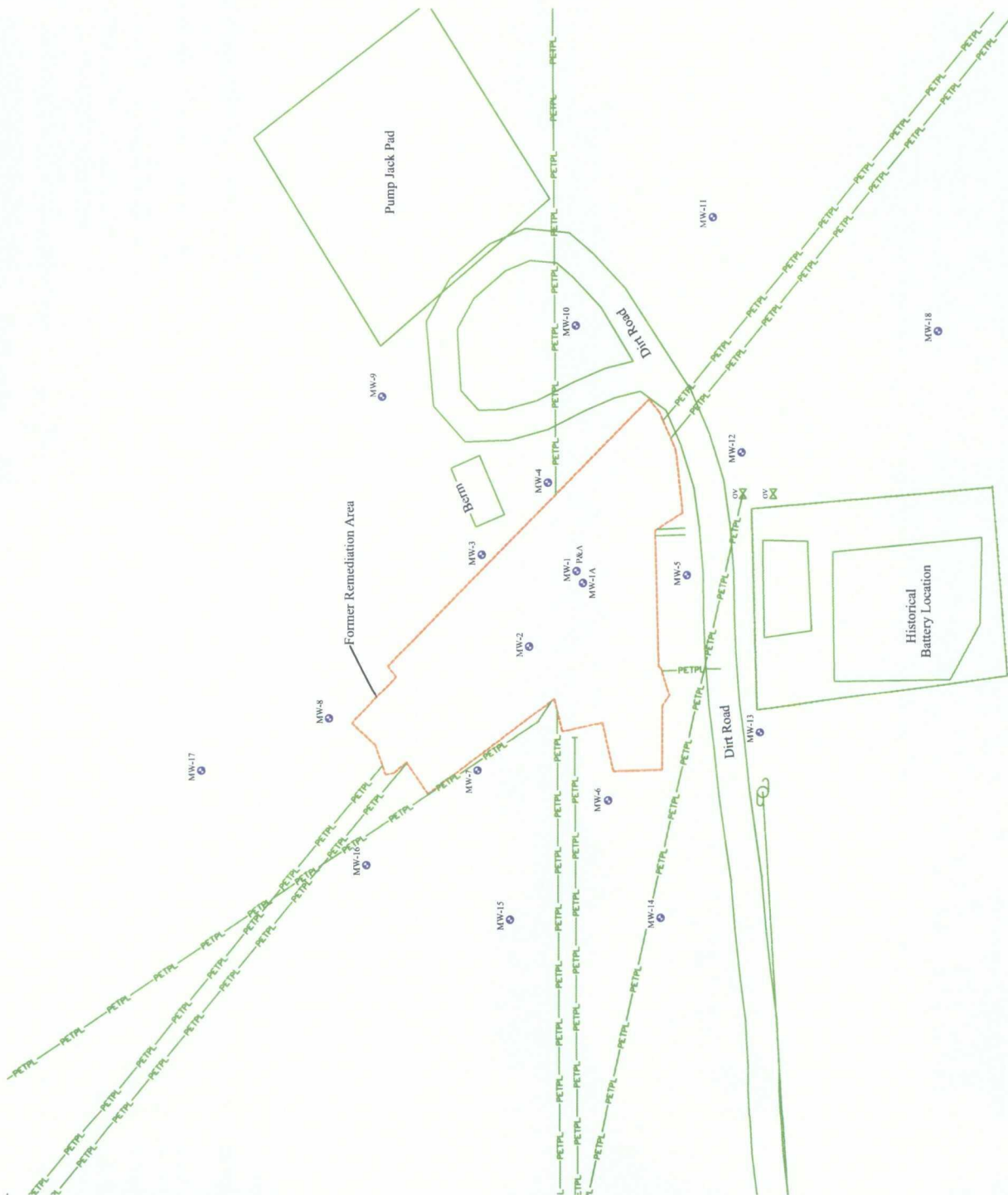
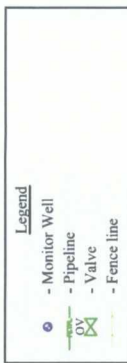
Table 1 – Summary of Historical Fluid Level Measurements

Table 2 – Summary of Groundwater Analytical Results

Laboratory Analytical Data Sheets and Chain of Custody Documentation



0 50 100  
Scale in Feet



Date: 11/07/2008

Scale: 1" = 100'

Drawn By: SJA

C.S. Cayler (PLAINS044SPL)  
SRS # 2002-10250, NMOCD REF. # AP-052 (OLD 1R-0382)  
Lea County, New Mexico  
Figure 1 - Site Plan

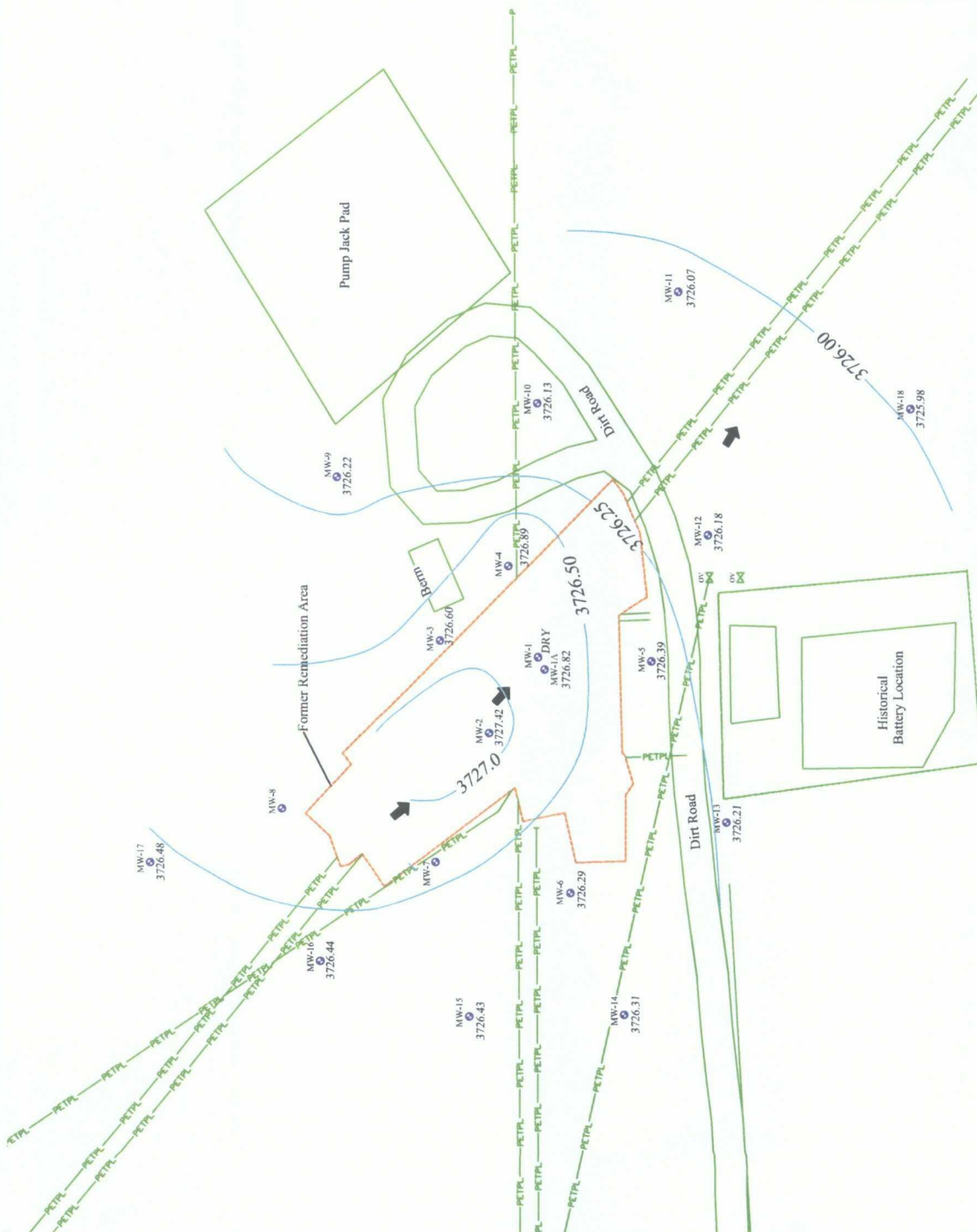


0 50 100  
Scale in Feet

**Legend**

- Monitor Well
- Pipeline
- Valve
- Fence line
- Groundwater Elevation Contour Line
- Groundwater Contour Elevation
- Groundwater Flow Direction

81.30



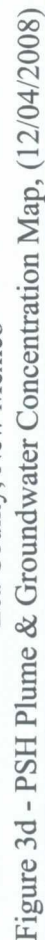
Note: Data on MW-2, MW-7 and MW-8 wells were not used to contour the groundwater flow direction



Date: 12/11/2008  
Scale: 1" = 100'  
Drawn By: SJA

C.S. Cayler (PLAINS044SPL)  
SRS # 2002-10250, NMOCD REF. # AP-052 (OLD 1R-0382)  
Lea County, New Mexico  
Figure 2d - Groundwater Gradient Map, (12/04/2008)





Date: 01/08/2008

Scale: 1" = 100'

Drawn By: SJA

# TALON LPE



**Table 1**  
**Summary of Historical Fluid Level Measurements**  
**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-1            | 10/17/02    | WELL INSTALLED 17-Oct-02         |              |                |                                 |               |
| MW-1            | 3/7/03      | 3,803.97                         | 72.28        | 84.20          | 3,730.50                        | 11.92         |
| MW-1            | 3/11/03     |                                  | 72.30        | 84.19          | 3,730.48                        | 11.89         |
| MW-1            | 3/17/03     |                                  | 72.33        | 84.25          | 3,730.45                        | 11.92         |
| MW-1            | 3/22/03     |                                  | 72.35        | 84.24          | 3,730.43                        | 11.89         |
| MW-1            | 5/6/03      |                                  | 71.55        | 83.11          | 3,731.26                        | 11.56         |
| MW-1            | 5/7/03      |                                  | 71.58        | 83.05          | 3,731.24                        | 11.47         |
| MW-1            | 5/8/03      |                                  | 71.55        | 83.03          | 3,731.27                        | 11.48         |
| MW-1            | 5/9/03      |                                  | 71.53        | 83.00          | 3,731.29                        | 11.47         |
| MW-1            | 5/15/03     |                                  | 71.57        | 83.01          | 3,731.26                        | 11.44         |
| MW-1            | 5/16/03     |                                  | 71.59        | 82.90          | 3,731.25                        | 11.31         |
| MW-1            | 5/28/03     |                                  | 71.65        | 82.50          | 3,731.24                        | 10.85         |
| MW-1            | 6/11/03     |                                  | 71.75        | 82.57          | 3,731.14                        | 10.82         |
| MW-1            | 8/14/03     |                                  | 63.45        | 73.41          | 3,739.52                        | 9.96          |
| MW-1            | 1/2/04      |                                  | 64.31        | 73.63          | 3,738.73                        | 9.32          |
| MW-1            | 4/12/04     |                                  | 64.74        | 73.74          | 3,738.33                        | 9.00          |
| MW-1            | 6/1/04      |                                  | 64.87        | 73.52          | 3,738.24                        | 8.65          |
| MW-1            | 6/21/04     |                                  | 65.04        | 73.49          | 3,738.09                        | 8.45          |
| MW-1            | 7/14/04     |                                  | 67.52        | 75.92          | 3,735.61                        | 8.40          |
| MW-1            | 10/17/04    |                                  | 68.38        | 73.28          | 3,735.10                        | 4.90          |
| MW-1            | 10/29/04    |                                  | 68.53        | 73.45          | 3,734.95                        | 4.92          |
| MW-1            | 3/31/05     |                                  | 68.23        | 73.00          | 3,735.26                        | 4.77          |
| MW-1            | 4/25/05     |                                  | 68.56        | 72.68          | 3,735.00                        | 4.12          |
| MW-1            | 5/31/05     |                                  | 68.57        | 72.61          | 3,735.00                        | 4.04          |
| MW-1            | 6/29/05     |                                  | 68.88        | 73.72          | 3,734.61                        | 4.84          |
| MW-1            | 9/15/05     |                                  | 69.79        | 73.63          | 3,733.80                        | 3.84          |
| MW-1            | 11/14/05    |                                  | 70.44        | 73.26          | 3,733.25                        | 2.82          |
| MW-1            | 1/23/06     |                                  | 70.72        | 73.80          | 3,732.94                        | 3.08          |
| MW-1            | 3/1/06      |                                  | 70.41        | 73.59          | 3,733.24                        | 3.18          |
| MW-1            | 5/25/06     |                                  | 71.05        | 73.20          | 3,732.71                        | 2.15          |
| MW-1            | 8/14/06     |                                  | 72.46        | 73.76          | 3,731.38                        | 1.30          |
| MW-1            | 11/29/06    |                                  | 73.31        | 73.69          | 3,730.62                        | 0.38          |
| MW-1            | 1/11/07     |                                  | 73.31        | 73.69          | 3,730.62                        | 0.38          |
| MW-1            | 2/8/07      |                                  | 73.38        | 73.73          | 3,730.56                        | 0.35          |
| MW-1            | 4/3/07      |                                  | 73.86        | 82.21          | 3,729.28                        | 8.35          |
| MW-1            | 4/11/07     |                                  | 74.06        | 82.27          | 3,729.09                        | 8.21          |
| MW-1            | 4/17/07     |                                  | 74.21        | 82.63          | 3,728.92                        | 8.42          |
| MW-1            | 5/14/07     |                                  | 74.06        | 82.00          | 3,729.12                        | 7.94          |
| MW-1            | 6/26/07     |                                  | 73.80        | NA             | NA                              | NA            |
| MW-1            | 6/28/07     |                                  | DRY          |                |                                 |               |
| MW-1            | 9/14/07     |                                  | DRY          |                |                                 |               |
| MW-1            | 9/26/07     |                                  | DRY          |                |                                 |               |
| MW-1            | 10/5/07     |                                  | DRY          |                |                                 |               |
| MW-1            | 10/9/07     |                                  | DRY          |                |                                 |               |
| MW-1            | 10/19/07    |                                  | DRY          |                |                                 |               |
| MW-1            | 10/24/07    |                                  | DRY          |                |                                 |               |
| MW-1            | 10/31/07    |                                  | DRY          |                |                                 |               |
| MW-1            | 11/28/07    |                                  | DRY          |                |                                 |               |
| MW-1            | 12/3/07     |                                  | DRY          |                |                                 |               |
| MW-1            | 1/3/08      |                                  | DRY          |                |                                 |               |
| MW-1            | 1/8/08      |                                  | DRY          |                |                                 |               |
| MW-1            | 1/14/08     |                                  | DRY          |                |                                 |               |
| MW-1            | 1/23/08     |                                  | DRY          |                |                                 |               |
| MW-1            | 1/28/08     |                                  | DRY          |                |                                 |               |
| MW-1            | 2/11/08     |                                  | DRY          |                |                                 |               |
| MW-1            | 3/12/08     |                                  | DRY          |                |                                 |               |
| MW-1            | 3/26/08     |                                  | DRY          |                |                                 |               |
| MW-1            | 4/1/08      |                                  | DRY          |                |                                 |               |
| MW-1            | 8/13/08     |                                  | DRY          |                |                                 |               |
| MW-1            | 9/18/08     | WELL PLUGGED 9/18/08             |              |                |                                 |               |





**Table 1**  
**Summary of Historical Fluid Level Measurements**  
**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-1A           | 9/18/08     | WELL INSTALLED 9/18/08           |              |                |                                 |               |
| MW-1A           | 9/23/08     | 3,810.02                         | 82.40        | 89.71          | 3,726.89                        | 7.31          |
| MW-1A           | 12/4/08     |                                  | 82.50        | 89.55          | 3,726.82                        | 7.05          |
|                 |             |                                  |              |                |                                 |               |
| MW-2            | 5/28/04     | WELL INSTALLED 5/28/04           |              |                |                                 |               |
| MW-2            | 6/1/04      | 3,803.93                         | 67.17        | 77.76          | 3,735.70                        | 10.59         |
| MW-2            | 6/21/04     |                                  | 67.27        | 77.93          | 3,735.59                        | 10.66         |
| MW-2            | 7/14/04     |                                  | 67.38        | 78.09          | 3,735.48                        | 10.71         |
| MW-2            | 10/16/04    |                                  | 68.79        | 74.04          | 3,734.62                        | 5.25          |
| MW-2            | 10/29/04    |                                  | 67.97        | 77.70          | 3,734.99                        | 9.73          |
| MW-2            | 3/31/05     |                                  | 68.23        | 78.50          | 3,734.67                        | 10.27         |
| MW-2            | 4/25/05     |                                  | 68.37        | 77.03          | 3,734.69                        | 8.66          |
| MW-2            | 5/31/05     |                                  | 68.46        | 76.97          | 3,734.62                        | 8.51          |
| MW-2            | 6/29/05     |                                  | 69.09        | 76.12          | 3,734.14                        | 7.03          |
| MW-2            | 9/15/05     |                                  | 69.75        | 79.14          | 3,733.24                        | 9.39          |
| MW-2            | 11/14/05    |                                  | 70.66        | 78.44          | 3,732.49                        | 7.78          |
| MW-2            | 1/23/06     |                                  | 70.95        | 78.27          | 3,732.25                        | 7.32          |
| MW-2            | 3/1/06      |                                  | 70.53        | 77.41          | 3,732.71                        | 6.88          |
| MW-2            | 5/25/06     |                                  | 72.19        | 75.49          | 3,731.41                        | 3.30          |
| MW-2            | 8/14/06     |                                  | 73.08        | 78.31          | 3,730.33                        | 5.23          |
| MW-2            | 11/29/06    |                                  | 74.09        | 78.20          | 3,729.43                        | 4.11          |
| MW-2            | 12/12/06    |                                  | 74.53        | 77.57          | 3,729.10                        | 3.04          |
| MW-2            | 1/11/07     |                                  | 74.22        | 78.81          | 3,729.25                        | 4.59          |
| MW-2            | 2/8/07      |                                  | 75.11        | 75.18          | 3,728.81                        | 0.07          |
| MW-2            | 4/3/07      |                                  | 73.95        | 82.11          | 3,729.16                        | 8.16          |
| MW-2            | 4/11/07     |                                  | 74.02        | 82.30          | 3,729.08                        | 8.28          |
| MW-2            | 4/17/07     |                                  | 74.02        | 82.41          | 3,729.07                        | 8.39          |
| MW-2            | 5/14/07     |                                  | 74.03        | 82.55          | 3,729.05                        | 8.52          |
| MW-2            | 6/26/07     |                                  | 74.20        | 82.64          | 3,728.89                        | 8.44          |
| MW-2            | 6/28/07     |                                  | 74.36        | 82.48          | 3,728.76                        | 8.12          |
| MW-2            | 8/13/07     |                                  | 74.71        | 81.91          | 3,728.50                        | 7.20          |
| MW-2            | 8/17/07     |                                  | 75.66        | 79.30          | 3,727.91                        | 3.64          |
| MW-2            | 8/21/07     |                                  | NA           | 76.19          | NA                              | NA            |
| MW-2            | 8/28/07     |                                  | 75.84        | 78.91          | 3,727.78                        | 3.07          |
| MW-2            | 9/14/07     |                                  | 75.63        | 79.29          | 3,727.93                        | 3.66          |
| MW-2            | 9/26/07     |                                  | 74.88        | 82.41          | 3,728.30                        | 7.53          |
| MW-2            | 10/5/07     |                                  | 74.85        | 82.70          | 3,728.30                        | 7.85          |
| MW-2            | 10/8/07     |                                  | 74.87        | 82.71          | 3,728.28                        | 7.84          |
| MW-2            | 10/19/07    |                                  | 74.87        | 82.96          | 3,728.25                        | 8.09          |
| MW-2            | 10/24/07    |                                  | 74.87        | 83.04          | 3,728.24                        | 8.17          |
| MW-2            | 10/31/07    |                                  | 74.88        | 83.11          | 3,728.23                        | 8.23          |
| MW-2            | 11/12/07    |                                  | 74.82        | 83.19          | 3,728.27                        | 8.37          |
| MW-2            | 11/28/07    |                                  | 74.89        | 83.27          | 3,728.20                        | 8.38          |
| MW-2            | 12/3/07     |                                  | 74.83        | 83.20          | 3,728.26                        | 8.37          |
| MW-2            | 1/3/08      |                                  | 75.32        | 83.50          | 3,727.79                        | 8.18          |
| MW-2            | 1/8/08      |                                  | 74.76        | 82.25          | 3,728.42                        | 7.49          |
| MW-2            | 1/14/08     |                                  | 75.49        | 83.23          | 3,727.67                        | 7.74          |
| MW-2            | 1/23/08     |                                  | 75.45        | 83.43          | 3,727.68                        | 7.98          |
| MW-2            | 1/28/08     |                                  | 75.38        | 83.47          | 3,727.74                        | 8.09          |
| MW-2            | 2/11/08     |                                  | 74.94        | 83.02          | 3,728.18                        | 8.08          |
| MW-2            | 3/12/08     |                                  | 75.40        | 83.54          | 3,727.72                        | 8.14          |
| MW-2            | 3/26/08     |                                  | 75.14        | 83.99          | 3,727.91                        | 8.85          |
| MW-2            | 4/1/08      |                                  | 76.19        | 83.34          | 3,727.03                        | 7.15          |
| MW-2            | 4/11/08     |                                  | 76.73        | 80.62          | 3,726.81                        | 3.89          |
| MW-2            | 4/15/08     |                                  | 76.33        | 79.08          | 3,727.33                        | 2.75          |
| MW-2            | 4/22/08     |                                  | 75.66        | 79.07          | 3,727.93                        | 3.41          |
| MW-2            | 4/28/08     |                                  | 76.00        | 83.17          | 3,727.21                        | 7.17          |
| MW-2            | 5/6/08      |                                  | 75.68        | 79.12          | 3,727.91                        | 3.44          |
| MW-2            | 5/16/08     |                                  | 75.40        | 83.02          | 3,727.77                        | 7.62          |
| MW-2            | 5/22/08     |                                  | 75.61        | 82.32          | 3,727.65                        | 6.71          |
| MW-2            | 7/25/08     |                                  | 79.90        | 87.72          |                                 | 7.82          |
| MW-2            | 8/13/08     |                                  | 80.21        | 88.82          |                                 | 8.61          |
| MW-2            | 9/23/08     | 3,807.67                         | 79.34        | 85.88          | 3,727.68                        | 6.54          |
| MW-2            | 10/15/08    |                                  |              | 79.89          | 3,727.78                        |               |
| MW-2            | 12/4/08     |                                  | 79.68        | 84.90          | 3,727.47                        | 5.22          |
|                 |             |                                  |              |                |                                 |               |
|                 |             |                                  |              |                |                                 |               |



**Table 1**  
**Summary of Historical Fluid Level Measurements**  
**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-3            | 5/31/04     | WELL INSTALLED 31-May-04         |              |                |                                 |               |
| MW-3            | 6/21/04     | 3,810.20                         | 75.51        | 75.51          | 3,734.69                        |               |
| MW-3            | 7/14/04     |                                  | 74.39        | 81.31          | 3,735.12                        | 6.92          |
| MW-3            | 8/26/04     |                                  | 74.75        | 84.31          | 3,734.49                        | 9.56          |
| MW-3            | 10/16/04    |                                  | 75.53        | 77.55          | 3,734.47                        | 2.02          |
| MW-3            | 10/29/04    |                                  | 75.45        | 79.00          | 3,734.40                        | 3.55          |
| MW-3            | 3/31/05     |                                  | 74.65        | 83.60          | 3,734.66                        | 8.95          |
| MW-3            | 4/25/05     |                                  | 74.81        | 82.74          | 3,734.60                        | 7.93          |
| MW-3            | 5/31/05     |                                  | 75.00        | 82.16          | 3,734.48                        | 7.16          |
| MW-3            | 6/29/05     |                                  | 75.83        | 80.44          | 3,733.91                        | 4.61          |
| MW-3            | 9/15/05     |                                  | 76.09        | 85.47          | 3,733.17                        | 9.38          |
| MW-3            | 11/14/05    |                                  | 77.81        | 81.11          | 3,732.06                        | 3.30          |
| MW-3            | 1/23/06     |                                  | 77.78        | 81.74          | 3,732.02                        | 3.96          |
| MW-3            | 3/1/06      |                                  | 77.43        | 81.49          | 3,732.36                        | 4.06          |
| MW-3            | 5/25/06     |                                  | 78.49        | 81.15          | 3,731.44                        | 2.66          |
| MW-3            | 8/14/06     |                                  | 79.51        | 84.36          | 3,730.21                        | 4.85          |
| MW-3            | 1/11/07     |                                  | 80.78        | 84.05          | 3,729.09                        | 3.27          |
| MW-3            | 2/8/07      |                                  | 83.65        | 83.66          | 3,726.55                        | 0.01          |
| MW-3            | 4/3/07      |                                  | 80.25        | 88.51          | 3,729.12                        | 8.26          |
| MW-3            | 4/11/07     |                                  | 80.69        | 88.97          | 3,728.68                        | 8.28          |
| MW-3            | 4/17/07     |                                  | 80.38        | 88.78          | 3,728.98                        | 8.40          |
| MW-3            | 5/14/07     |                                  | 80.43        | 89.56          | 3,728.86                        | 9.13          |
| MW-3            | 6/26/07     |                                  | 81.74        | 89.12          | 3,727.72                        | 7.38          |
| MW-3            | 6/28/07     |                                  | 80.69        | 89.05          | 3,728.67                        | 8.36          |
| MW-3            | 8/13/07     |                                  | 81.08        | 89.43          | 3,728.29                        | 8.35          |
| MW-3            | 8/17/07     |                                  | 82.05        | 83.50          | 3,728.01                        | 1.45          |
| MW-3            | 8/21/07     |                                  | 82.65        | 82.68          | 3,727.55                        | 0.03          |
| MW-3            | 8/28/07     |                                  | 81.51        | 88.44          | 3,728.00                        | 6.93          |
| MW-3            | 9/14/07     |                                  | 81.42        | 86.89          | 3,728.23                        | 5.47          |
| MW-3            | 9/26/07     |                                  | 81.22        | 88.92          | 3,728.21                        | 7.70          |
| MW-3            | 10/5/07     |                                  | 81.14        | 88.99          | 3,728.28                        | 7.85          |
| MW-3            | 10/8/07     |                                  | 81.14        | 89.00          | 3,728.27                        | 7.86          |
| MW-3            | 10/19/07    |                                  | 81.23        | 89.39          | 3,728.15                        | 8.16          |
| MW-3            | 10/24/07    |                                  | 81.24        | 89.35          | 3,728.15                        | 8.11          |
| MW-3            | 10/31/07    |                                  | 81.24        | 89.47          | 3,728.14                        | 8.23          |
| MW-3            | 11/12/07    |                                  | 81.25        | 89.39          | 3,728.14                        | 8.14          |
| MW-3            | 11/28/07    |                                  | 81.26        | 89.44          | 3,728.12                        | 8.18          |
| MW-3            | 12/3/07     |                                  | 81.26        | 89.36          | 3,728.13                        | 8.10          |
| MW-3            | 1/3/08      |                                  | 81.17        | 89.41          | 3,728.21                        | 8.24          |
| MW-3            | 1/8/08      |                                  | 81.11        | 89.05          | 3,728.30                        | 7.94          |
| MW-3            | 1/14/08     |                                  | 81.62        | 88.39          | 3,727.90                        | 6.77          |
| MW-3            | 1/23/08     |                                  | 80.84        | 87.89          | 3,728.66                        | 7.05          |
| MW-3            | 1/28/08     |                                  | 80.31        | 88.20          | 3,729.10                        | 7.89          |
| MW-3            | 2/11/08     |                                  | 81.92        | 88.49          | 3,727.62                        | 6.57          |
| MW-3            | 3/12/08     |                                  | 81.43        | 87.43          | 3,728.17                        | 6.00          |
| MW-3            | 3/26/08     |                                  | 80.57        | 88.54          | 3,728.83                        | 7.97          |
| MW-3            | 4/1/08      |                                  | 82.06        | 87.81          | 3,727.57                        | 5.75          |
| MW-3            | 4/11/08     |                                  | 81.90        | 87.81          | 3,727.71                        | 5.91          |
| MW-3            | 4/15/08     |                                  | 82.04        | 87.85          | 3,727.58                        | 5.81          |
| MW-3            | 4/22/08     |                                  | 82.01        | 87.90          | 3,727.60                        | 5.89          |
| MW-3            | 4/28/08     |                                  | 82.11        | 87.24          | 3,727.58                        | 5.13          |
| MW-3            | 5/6/08      |                                  | 82.00        | 87.94          | 3,727.61                        | 5.94          |
| MW-3            | 5/16/08     |                                  | 82.24        | 88.07          | 3,727.38                        | 5.83          |
| MW-3            | 5/22/08     |                                  | 82.94        | 89.22          | 3,726.63                        | 6.28          |
| MW-3            | 6/19/08     |                                  | 83.09        | 85.71          | 3,726.85                        | 2.62          |
| MW-3            | 7/25/08     |                                  | 83.35        | 88.33          | 3,726.35                        | 4.98          |
| MW-3            | 8/13/08     |                                  | 83.21        | 89.65          | 3,726.35                        | 6.44          |
| MW-3            | 9/23/08     | 3,810.35                         | 83.28        | 86.97          | 3,726.70                        | 3.69          |
| MW-3            | 10/15/08    |                                  | 84.04        | 84.22          | 3,726.29                        | 0.18          |
| MW-3            | 12/4/08     |                                  | 83.61        | 85.01          | 3,726.60                        | 1.40          |
|                 |             |                                  |              |                |                                 |               |
|                 |             |                                  |              |                |                                 |               |



**Table 1**  
**Summary of Historical Fluid Level Measurements**  
**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-4            | 6/1/04      | <b>WELL INSTALLED 01-Jun-04</b>  |              |                |                                 |               |
| MW-4            | 6/21/04     | 3,810.70                         | 76.04        | 76.04          | 3,734.66                        |               |
| MW-4            | 7/14/04     |                                  | 74.51        | 83.91          | 3,735.25                        | 9.40          |
| MW-4            | 8/26/04     |                                  | 74.21        | 83.61          | 3,735.55                        | 9.40          |
| MW-4            | 10/16/04    |                                  | 75.77        | 80.56          | 3,734.45                        | 4.79          |
| MW-4            | 10/17/04    |                                  | 75.76        | 80.96          | 3,734.42                        | 5.20          |
| MW-4            | 10/29/04    |                                  | 75.56        | 81.42          | 3,734.55                        | 5.86          |
| MW-4            | 3/31/05     |                                  | 73.51        | 81.95          | 3,736.35                        | 8.44          |
| MW-4            | 4/25/05     |                                  | 75.53        | 82.62          | 3,734.46                        | 7.09          |
| MW-4            | 5/31/05     |                                  | 75.55        | 82.86          | 3,734.42                        | 7.31          |
| MW-4            | 6/29/05     |                                  | 75.96        | 83.51          | 3,733.99                        | 7.55          |
| MW-4            | 9/15/05     |                                  | 76.71        | 86.23          | 3,733.04                        | 9.52          |
| MW-4            | 11/14/05    |                                  | 77.64        | 85.38          | 3,732.29                        | 7.74          |
| MW-4            | 1/23/06     |                                  | 77.79        | 84.93          | 3,732.20                        | 7.14          |
| MW-4            | 3/1/06      |                                  | 77.48        | 84.12          | 3,732.56                        | 6.64          |
| MW-4            | 5/25/06     |                                  | 78.28        | 85.22          | 3,731.73                        | 6.94          |
| MW-4            | 8/14/06     |                                  | 79.78        | 86.67          | 3,730.23                        | 6.89          |
| MW-4            | 11/29/06    |                                  | 80.29        | 85.15          | 3,729.92                        | 4.86          |
| MW-4            | 12/12/06    |                                  | 81.71        | 86.01          | 3,728.56                        | 4.30          |
| MW-4            | 1/11/07     |                                  | 80.03        | 82.77          | 3,730.40                        | 2.74          |
| MW-4            | 2/8/07      |                                  | 81.28        | 82.70          | 3,729.28                        | 1.42          |
| MW-4            | 4/3/07      |                                  | 80.78        | 89.44          | 3,729.05                        | 8.66          |
| MW-4            | 4/11/07     |                                  | 80.85        | 89.55          | 3,728.98                        | 8.70          |
| MW-4            | 4/17/07     |                                  | 80.92        | 89.05          | 3,728.97                        | 8.13          |
| MW-4            | 5/14/07     |                                  | 80.96        | 89.68          | 3,728.87                        | 8.72          |
| MW-4            | 6/26/07     |                                  | 81.41        | 89.82          | 3,728.45                        | 8.41          |
| MW-4            | 6/28/07     |                                  | 81.28        | 89.71          | 3,728.58                        | 8.43          |
| MW-4            | 8/13/07     |                                  | 81.76        | 89.92          | 3,728.12                        | 8.16          |
| MW-4            | 8/17/07     |                                  | 80.36        | 87.55          | 3,729.62                        | 7.19          |
| MW-4            | 8/21/07     |                                  | 82.01        | 89.41          | 3,727.95                        | 7.40          |
| MW-4            | 8/28/07     |                                  | NA           | 79.50          | NA                              | NA            |
| MW-4            | 9/14/07     |                                  | 81.76        | 89.85          | 3,728.13                        | 8.09          |
| MW-4            | 9/26/07     |                                  | 81.73        | 88.89          | 3,728.25                        | 7.16          |
| MW-4            | 10/5/07     |                                  | 81.66        | 89.80          | 3,728.23                        | 8.14          |
| MW-4            | 10/8/07     |                                  | 81.65        | 89.78          | 3,728.24                        | 8.13          |
| MW-4            | 10/19/07    |                                  | 81.80        | 90.05          | 3,728.08                        | 8.25          |
| MW-4            | 10/24/07    |                                  | 81.80        | 89.99          | 3,728.08                        | 8.19          |
| MW-4            | 10/31/07    |                                  | 81.82        | 90.07          | 3,728.06                        | 8.25          |
| MW-4            | 11/12/07    |                                  | 82.02        | 89.84          | 3,727.90                        | 7.82          |
| MW-4            | 11/28/07    |                                  | 81.93        | 89.82          | 3,727.98                        | 7.89          |
| MW-4            | 12/3/07     |                                  | 81.91        | 89.72          | 3,728.01                        | 7.81          |
| MW-4            | 1/3/08      |                                  | 81.66        | 89.19          | 3,728.29                        | 7.53          |
| MW-4            | 1/8/08      |                                  | 81.70        | 89.31          | 3,728.24                        | 7.61          |
| MW-4            | 1/14/08     |                                  | 81.98        | 88.87          | 3,728.03                        | 6.89          |
| MW-4            | 1/23/08     |                                  | 82.17        | 87.76          | 3,727.97                        | 5.59          |
| MW-4            | 1/28/08     |                                  | 81.77        | 89.17          | 3,728.19                        | 7.40          |
| MW-4            | 2/11/08     |                                  | 81.29        | 88.75          | 3,728.66                        | 7.46          |
| MW-4            | 3/12/08     |                                  | 81.86        | 88.79          | 3,728.15                        | 6.93          |
| MW-4            | 3/26/08     |                                  | 82.67        | 86.36          | 3,727.66                        | 3.69          |
| MW-4            | 4/1/08      |                                  | 82.56        | 88.83          | 3,727.51                        | 6.27          |
| MW-4            | 4/11/08     |                                  | 82.49        | 88.94          | 3,727.57                        | 6.45          |
| MW-4            | 4/15/08     |                                  | 82.31        | 89.90          | 3,727.63                        | 7.59          |
| MW-4            | 4/22/08     |                                  | 82.36        | 89.26          | 3,727.65                        | 6.90          |
| MW-4            | 5/6/08      |                                  | 83.98        | 90.27          | 3,726.09                        | 6.29          |
| MW-4            | 5/16/08     |                                  | 82.89        | 90.01          | 3,727.10                        | 7.12          |
| MW-4            | 5/22/08     |                                  | 82.39        | 90.19          | 3,727.53                        | 7.80          |
| MW-4            | 6/19/08     |                                  | 82.78        | 90.45          | 3,727.15                        | 7.67          |
| MW-4            | 7/25/08     |                                  | 83.71        | 91.11          | 3,726.25                        | 7.40          |
| MW-4            | 8/13/08     |                                  | 83.60        | 91.07          | 3,726.35                        | 7.47          |
| MW-4            | 9/23/08     | 3,810.82                         | 83.36        | 90.47          | 3,726.75                        | 7.11          |
| MW-4            | 10/15/08    |                                  | 83.78        | 88.43          | 3,726.58                        | 4.65          |
| MW-4            | 12/4/08     |                                  | 83.32        | 89.40          | 3,726.89                        | 6.08          |



**Table 1**  
**Summary of Historical Fluid Level Measurements**  
**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-5            | 6/5/04      | WELL INSTALLED 05-Jun-04         |              |                |                                 |               |
| MW-5            | 6/21/04     | 3,809.05                         | --           | 74.42          | 3,734.63                        | ND            |
| MW-5            | 7/14/04     |                                  | --           | 74.53          | 3,734.52                        | ND            |
| MW-5            | 10/29/04    |                                  | --           | 75.00          | 3,734.05                        | ND            |
| MW-5            | 11/19/04    |                                  | --           | 75.10          | 3,733.95                        | ND            |
| MW-5            | 3/31/05     |                                  | --           | 75.18          | 3,733.87                        | ND            |
| MW-5            | 4/25/05     |                                  | --           | 75.19          | 3,733.86                        | ND            |
| MW-5            | 5/12/05     |                                  | --           | 75.22          | 3,733.83                        | ND            |
| MW-5            | 5/31/05     |                                  | --           | 75.25          | 3,733.80                        | ND            |
| MW-5            | 6/29/05     |                                  | --           | 75.67          | 3,733.38                        | ND            |
| MW-5            | 8/22/05     |                                  | --           | 76.64          | 3,732.41                        | ND            |
| MW-5            | 9/15/05     |                                  | --           | 76.75          | 3,732.30                        | ND            |
| MW-5            | 11/14/05    |                                  | --           | 77.39          | 3,731.66                        | ND            |
| MW-5            | 1/23/06     |                                  | 77.21        | 79.19          | 3,731.64                        | 1.98          |
| MW-5            | 3/1/06      |                                  | 76.59        | 79.18          | 3,732.20                        | 2.59          |
| MW-5            | 5/25/06     |                                  | 77.41        | 79.93          | 3,731.39                        | 2.52          |
| MW-5            | 8/14/06     |                                  | 78.99        | 80.63          | 3,729.90                        | 1.64          |
| MW-5            | 11/29/06    |                                  | 78.91        | 85.95          | 3,729.44                        | 7.04          |
| MW-5            | 1/11/07     |                                  | 78.85        | 86.30          | 3,729.46                        | 7.45          |
| MW-5            | 2/8/07      |                                  | 78.82        | 86.29          | 3,729.48                        | 7.47          |
| MW-5            | 2/20/07     |                                  | 79.22        | 85.66          | 3,729.19                        | 6.44          |
| MW-5            | 3/6/07      |                                  | 79.15        | 86.07          | 3,729.21                        | 6.92          |
| MW-5            | 3/14/07     |                                  | 78.68        | 85.60          | 3,729.68                        | 6.92          |
| MW-5            | 3/27/07     |                                  | 79.64        | 86.03          | 3,728.77                        | 6.39          |
| MW-5            | 3/29/07     |                                  | 79.36        | 86.25          | 3,729.00                        | 6.89          |
| MW-5            | 4/3/07      |                                  | 79.38        | 86.71          | 3,728.94                        | 7.33          |
| MW-5            | 4/11/07     |                                  | 79.91        | 87.02          | 3,728.43                        | 7.11          |
| MW-5            | 4/17/07     |                                  | 79.52        | 88.90          | 3,728.59                        | 9.38          |
| MW-5            | 5/24/07     |                                  | 79.54        | 86.90          | 3,728.77                        | 7.36          |
| MW-5            | 6/26/07     |                                  | 79.94        | 87.32          | 3,728.37                        | 7.38          |
| MW-5            | 6/28/07     |                                  | 79.84        | 87.25          | 3,728.47                        | 7.41          |
| MW-5            | 8/13/07     |                                  | 80.26        | 81.66          | 3,728.65                        | 1.40          |
| MW-5            | 8/21/07     |                                  | 80.39        | 87.63          | 3,727.94                        | 7.24          |
| MW-5            | 8/28/07     |                                  | 80.49        | 87.64          | 3,727.85                        | 7.15          |
| MW-5            | 9/14/07     |                                  | 80.32        | 87.59          | 3,728.00                        | 7.27          |
| MW-5            | 9/26/07     |                                  | 81.72        | 87.66          | 3,726.74                        | 5.94          |
| MW-5            | 10/5/07     |                                  | 80.22        | 87.51          | 3,728.10                        | 7.29          |
| MW-5            | 10/8/07     |                                  | 80.20        | 87.52          | 3,728.12                        | 7.32          |
| MW-5            | 10/19/07    |                                  | 80.44        | 87.66          | 3,727.89                        | 7.22          |
| MW-5            | 10/24/07    |                                  | 80.36        | 87.73          | 3,727.95                        | 7.37          |
| MW-5            | 10/31/07    |                                  | 80.37        | 87.85          | 3,727.93                        | 7.48          |
| MW-5            | 11/12/07    |                                  | 80.36        | 87.51          | 3,727.98                        | 7.15          |
| MW-5            | 12/28/07    |                                  | 80.83        | 87.61          | 3,727.54                        | 6.78          |
| MW-5            | 12/3/07     |                                  | 80.34        | 87.35          | 3,728.01                        | 7.01          |
| MW-5            | 1/3/08      |                                  | 80.17        | 86.72          | 3,728.23                        | 6.55          |
| MW-5            | 1/8/08      |                                  | 80.17        | 86.85          | 3,728.21                        | 6.68          |
| MW-5            | 1/14/08     |                                  | 80.32        | 86.74          | 3,728.09                        | 6.42          |
| MW-5            | 1/23/08     |                                  | 82.34        | 85.78          | 3,726.37                        | 3.44          |
| MW-5            | 1/28/08     |                                  | 80.25        | 87.03          | 3,728.12                        | 6.78          |
| MW-5            | 2/11/08     |                                  | 80.26        | 86.34          | 3,728.18                        | 6.08          |
| MW-5            | 3/12/08     |                                  | 80.28        | 86.93          | 3,728.11                        | 6.65          |
| MW-5            | 3/26/08     |                                  | 81.23        | 84.33          | 3,727.51                        | 3.10          |
| MW-5            | 4/1/08      |                                  | 81.38        | 84.40          | 3,727.37                        | 3.02          |
| MW-5            | 4/11/08     |                                  | 81.79        | 83.35          | 3,727.10                        | 1.56          |
| MW-5            | 4/15/08     |                                  | 81.77        | 83.38          | 3,727.12                        | 1.61          |
| MW-5            | 4/22/08     |                                  | 81.50        | 82.54          | 3,727.45                        | 1.04          |
| MW-5            | 4/28/08     |                                  | 81.87        | 82.13          | 3,727.15                        | 0.26          |
| MW-5            | 5/6/08      |                                  | 81.51        | 82.56          | 3,727.44                        | 1.05          |
| MW-5            | 5/16/08     |                                  | 82.15        | 82.56          | 3,726.86                        | 0.41          |
| MW-5            | 5/22/08     |                                  | 81.92        | 83.49          | 3,726.97                        | 1.57          |
| MW-5            | 6/19/08     |                                  | 81.24        | 88.59          | 3,727.08                        | 7.35          |
| MW-5            | 7/25/08     |                                  | 81.76        | 88.92          | 3,726.57                        | 7.16          |
| MW-5            | 8/13/08     |                                  | 82.07        | 89.27          | 3,726.26                        | 7.20          |
| MW-5            | 9/23/08     | 3,809.21                         | 82.61        | 83.73          | 3,726.49                        | 1.12          |
| MW-5            | 10/15/08    |                                  | 82.98        | 83.20          | 3,726.21                        | 0.22          |
| MW-5            | 12/4/08     |                                  | 82.77        | 83.31          | 3,726.39                        | 0.54          |



**Table 1**  
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**Plains Pipeline, L.P.**  
**C. S. Caylor**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet).....   |
| MW-6            | 10/21/04    | WELL INSTALLED 21-Oct-04         |              |                |                                 |               |
| MW-6            | 10/27/04    | 3,809.17                         |              | 75.13          | 3,734.04                        |               |
| MW-6            | 10/29/04    |                                  |              | 75.13          | 3,734.04                        |               |
| MW-6            | 11/19/04    |                                  |              | 75.23          | 3,733.94                        |               |
| MW-6            | 3/31/05     |                                  |              | 75.33          | 3,733.84                        |               |
| MW-6            | 4/25/05     |                                  |              | 75.27          | 3,733.90                        |               |
| MW-6            | 5/12/05     |                                  |              | 75.30          | 3,733.87                        |               |
| MW-6            | 5/31/05     |                                  |              | 75.33          | 3,733.84                        |               |
| MW-6            | 6/29/05     |                                  |              | 75.68          | 3,733.49                        |               |
| MW-6            | 8/22/05     |                                  |              | 76.63          | 3,732.54                        |               |
| MW-6            | 9/15/05     |                                  |              | 76.80          | 3,732.37                        |               |
| MW-6            | 11/14/05    |                                  |              | 77.41          | 3,731.76                        |               |
| MW-6            | 1/23/06     |                                  |              | 77.60          | 3,731.57                        |               |
| MW-6            | 3/1/06      |                                  |              | 77.01          | 3,732.16                        |               |
| MW-6            | 5/25/06     |                                  |              | 77.92          | 3,731.25                        |               |
| MW-6            | 8/14/06     |                                  |              | 79.18          | 3,729.99                        |               |
| MW-6            | 11/29/06    |                                  |              | 80.12          | 3,729.05                        |               |
| MW-6            | 12/12/06    |                                  |              | 80.19          | 3,728.98                        |               |
| MW-6            | 1/11/07     |                                  |              | 80.20          | 3,728.97                        |               |
| MW-6            | 2/8/07      |                                  |              | 79.99          | 3,729.18                        |               |
| MW-6            | 2/20/07     |                                  |              | 80.36          | 3,728.81                        |               |
| MW-6            | 3/6/07      |                                  |              | 80.40          | 3,728.77                        |               |
| MW-6            | 3/14/07     |                                  |              | 79.92          | 3,729.25                        |               |
| MW-6            | 3/27/07     |                                  |              | 80.62          | 3,728.55                        |               |
| MW-6            | 3/29/07     |                                  |              | 80.34          | 3,728.83                        |               |
| MW-6            | 4/3/07      |                                  |              | 80.68          | 3,728.49                        |               |
| MW-6            | 4/11/07     |                                  |              | 81.03          | 3,728.14                        |               |
| MW-6            | 4/17/07     |                                  |              | 80.82          | 3,728.35                        |               |
| MW-6            | 6/13/07     |                                  |              | 80.88          | 3,728.29                        |               |
| MW-6            | 6/26/07     |                                  |              | 81.04          | 3,728.13                        |               |
| MW-6            | 9/14/07     |                                  |              | 81.62          | 3,727.55                        |               |
| MW-6            | 10/19/07    |                                  |              | 81.64          | 3,727.53                        |               |
| MW-6            | 12/3/07     |                                  |              | 81.56          | 3,727.61                        |               |
| MW-6            | 1/8/08      |                                  |              | 81.78          | 3,727.39                        |               |
| MW-6            | 1/28/08     |                                  |              | 81.39          | 3,727.78                        |               |
| MW-6            | 3/12/08     |                                  |              | 81.39          | 3,727.78                        |               |
| MW-6            | 4/22/08     |                                  |              | 84.48          | 3,724.69                        |               |
| MW-6            | 6/19/08     |                                  |              | 82.10          | 3,727.07                        |               |
| MW-6            | 8/13/08     |                                  |              | 82.67          | 3,726.50                        |               |
| MW-6            | 10/15/08    |                                  |              | 82.99          | 3,726.18                        |               |
| MW-6            | 12/4/08     |                                  |              | 82.88          | 3,726.29                        |               |
|                 |             |                                  |              |                |                                 |               |
|                 |             |                                  |              |                |                                 |               |



**Table 1**  
**Summary of Historical Fluid Level Measurements**  
**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-7            | 10/21/04    | <b>WELL INSTALLED 21-Oct-04</b>  |              |                |                                 |               |
| MW-7            | 10/27/04    | 3,809.95                         | 75.82        | 76.05          | 3,734.11                        | 0.23          |
| MW-7            | 10/29/04    |                                  | 75.82        | 76.05          | 3,734.11                        | 0.23          |
| MW-7            | 11/19/04    |                                  | 75.21        | 79.14          | 3,734.35                        | 3.93          |
| MW-7            | 3/31/05     |                                  | 75.22        | 79.18          | 3,734.33                        | 3.96          |
| MW-7            | 4/25/05     |                                  | 74.37        | 82.84          | 3,734.73                        | 8.47          |
| MW-7            | 5/31/05     |                                  | 75.41        | 78.75          | 3,734.21                        | 3.34          |
| MW-7            | 6/29/05     |                                  | 74.86        | 83.31          | 3,734.25                        | 8.45          |
| MW-7            | 9/15/05     |                                  | 75.92        | 83.58          | 3,733.26                        | 7.66          |
| MW-7            | 11/14/05    |                                  | 76.75        | 83.17          | 3,732.56                        | 6.42          |
| MW-7            | 1/23/06     |                                  | 77.16        | 83.54          | 3,732.15                        | 6.38          |
| MW-7            | 3/1/06      |                                  | 76.71        | 82.60          | 3,732.65                        | 5.89          |
| MW-7            | 5/25/06     |                                  | 77.71        | 79.37          | 3,732.07                        | 1.66          |
| MW-7            | 8/14/06     |                                  | 78.61        | 83.34          | 3,730.87                        | 4.73          |
| MW-7            | 11/29/06    |                                  | 79.51        | 83.15          | 3,730.08                        | 3.64          |
| MW-7            | 12/12/06    |                                  | 79.95        | 83.00          | 3,729.70                        | 3.05          |
| MW-7            | 1/11/07     |                                  | 79.77        | 84.41          | 3,729.72                        | 4.64          |
| MW-7            | 2/8/07      |                                  | 79.63        | 84.15          | 3,729.87                        | 4.52          |
| MW-7            | 4/3/07      |                                  | 80.09        | 84.18          | 3,729.45                        | 4.09          |
| MW-7            | 4/11/07     |                                  | 80.73        | 84.91          | 3,728.80                        | 4.18          |
| MW-7            | 4/17/07     |                                  | 80.74        | 84.96          | 3,728.79                        | 4.22          |
| MW-7            | 5/14/07     |                                  | 80.30        | 84.42          | 3,729.24                        | 4.12          |
| MW-7            | 6/26/07     |                                  | 80.70        | 82.68          | 3,729.05                        | 1.98          |
| MW-7            | 6/28/07     |                                  | 80.52        | 83.66          | 3,729.12                        | 3.14          |
| MW-7            | 8/13/07     |                                  | 81.22        | 83.66          | 3,728.49                        | 2.44          |
| MW-7            | 8/21/07     |                                  | 81.37        | 83.44          | 3,728.37                        | 2.07          |
| MW-7            | 9/14/07     |                                  | 81.01        | 84.25          | 3,728.62                        | 3.24          |
| MW-7            | 9/26/07     |                                  | 80.97        | 84.30          | 3,728.65                        | 3.33          |
| MW-7            | 10/5/07     |                                  | 80.92        | 84.33          | 3,728.69                        | 3.41          |
| MW-7            | 10/8/07     |                                  | 80.92        | 84.32          | 3,728.69                        | 3.40          |
| MW-7            | 10/19/07    |                                  | 81.04        | 84.30          | 3,728.58                        | 3.26          |
| MW-7            | 10/24/07    |                                  | 81.05        | 84.30          | 3,728.58                        | 3.25          |
| MW-7            | 10/31/07    |                                  | 81.08        | 84.34          | 3,728.54                        | 3.26          |
| MW-7            | 11/12/07    |                                  | 81.02        | 84.35          | 3,728.60                        | 3.33          |
| MW-7            | 11/28/07    |                                  | 80.89        | NA             | NA                              | 3.46**        |
| MW-7            | 12/3/07     |                                  | 80.98        | NA             | NA                              | 3.43**        |
| MW-7            | 1/3/08      |                                  | 79.83        | NA             | NA                              | 4.56**        |
| MW-7            | 1/8/08      |                                  | 80.92        | 84.40*         | NA                              | 3.48          |
| MW-7            | 1/14/08     |                                  | 81.34        | 84.37*         | NA                              | 3.03          |
| MW-7            | 3/12/08     |                                  | 81.20        | 84.39*         | NA                              | 3.19          |
| MW-7            | 3/26/08     |                                  | 81.54        | 84.45*         | NA                              | 2.91          |
| MW-7            | 4/11/07     |                                  | 81.40        | 84.49          | 3,728.24                        | 3.09          |
| MW-7            | 4/15/07     |                                  | 82.67        | 83.16          | 3,727.23                        | 0.49          |
| MW-7            | 4/22/07     |                                  | 82.66        | 82.81          | 3,727.28                        | 0.15          |
| MW-7            | 4/28/07     |                                  | 82.75        | 83.14          | 3,727.16                        | 0.39          |
| MW-7            | 5/6/07      |                                  | 82.39        | 83.29          | 3,727.47                        | 0.90          |
| MW-7            | 5/16/07     |                                  | 83.03        | 83.26          | 3,726.90                        | 0.23          |
| MW-7            | 5/22/08     |                                  | 81.76        | 83.84          | 3,727.98                        | 2.08          |
| MW-7            | 6/19/08     |                                  | 81.91        | 84.64          | 3,727.77                        | 2.73          |
| MW-7            | 7/25/08     |                                  | 82.67        | 84.87          | 3,727.06                        | 2.20          |
| MW-7            | 8/13/08     |                                  | 82.76        | 84.95*         | NA                              | 2.19          |
| MW-7            | 9/23/08     |                                  | 82.54        | 84.29*         | NA                              | 1.75          |
| MW-7            | 10/15/08    |                                  | 83.48        | 84.29          | 3,726.39                        | 0.81          |
| MW-7            | 12/4/08     |                                  | 82.77        | 84.29          | 3,727.03                        | 1.52          |





**Table 1**  
**Summary of Historical Fluid Level Measurements**  
**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-8            | 10/20/04    | WELL INSTALLED 20-Oct-04         |              |                |                                 |               |
| MW-8            | 10/27/04    | 3,810.29                         | --           | 76.20          | 3,734.09                        | ND            |
| MW-8            | 10/29/04    |                                  | --           | 76.20          | 3,734.09                        | ND            |
| MW-8            | 11/19/04    |                                  | --           | 76.26          | 3,734.03                        | ND            |
| MW-8            | 3/31/05     |                                  | --           | 76.30          | 3,733.99                        | ND            |
| MW-8            | 4/25/05     |                                  | --           | 76.29          | 3,734.00                        | ND            |
| MW-8            | 5/12/05     |                                  | --           | 76.32          | 3,733.97                        | ND            |
| MW-8            | 5/31/05     |                                  | --           | 76.34          | 3,733.95                        | ND            |
| MW-8            | 6/29/05     |                                  | --           | 76.62          | 3,733.67                        | ND            |
| MW-8            | 8/22/05     |                                  | 77.42        | 78.08          | 3,732.80                        | 0.66          |
| MW-8            | 11/14/05    |                                  | 78.16        | 79.40          | 3,732.01                        | 1.24          |
| MW-8            | 1/23/06     |                                  | 78.25        | 80.13          | 3,731.85                        | 1.88          |
| MW-8            | 3/1/06      |                                  | 77.60        | 80.55          | 3,732.40                        | 2.95          |
| MW-8            | 5/25/06     |                                  | 78.43        | 81.31          | 3,731.57                        | 2.88          |
| MW-8            | 8/14/06     |                                  | 79.63        | 82.84          | 3,730.34                        | 3.21          |
| MW-8            | 11/29/06    |                                  | 80.50        | 83.79          | 3,729.46                        | 3.29          |
| MW-8            | 12/12/06    |                                  | 80.59        | 83.90          | 3,729.37                        | 3.31          |
| MW-8            | 1/11/07     |                                  | 80.63        | 83.88          | 3,729.34                        | 3.25          |
| MW-8            | 2/8/07      |                                  | 80.66        | 83.94          | 3,729.30                        | 3.28          |
| MW-8            | 2/20/07     |                                  | 80.81        | 84.07          | 3,729.15                        | 3.26          |
| MW-8            | 3/6/07      |                                  | 80.88        | 84.11          | 3,729.09                        | 3.23          |
| MW-8            | 3/14/07     |                                  | 80.09        | 83.26          | 3,729.88                        | 3.17          |
| MW-8            | 3/27/07     |                                  | 80.13        | 83.24          | 3,729.85                        | 3.11          |
| MW-8            | 4/3/07      |                                  | 81.10        | 83.04          | 3,729.00                        | 1.94          |
| MW-8            | 4/11/07     |                                  | 81.59        | 83.49          | 3,728.51                        | 1.90          |
| MW-8            | 4/17/07     |                                  | 81.61        | 83.51          | 3,728.49                        | 1.90          |
| MW-8            | 5/24/07     |                                  | 81.33        | NA             | NA                              | 1.77**        |
| MW-8            | 6/26/07     |                                  | 81.62        | NA             | NA                              | 1.48**        |
| MW-8            | 6/28/07     |                                  | 81.52        | NA             | NA                              | 1.58**        |
| MW-8            | 8/13/07     |                                  | 81.86        | NA             | NA                              | 2.1**         |
| MW-8            | 8/21/07     |                                  | 81.96        | NA             | NA                              | 1.79**        |
| MW-8            | 8/28/07     |                                  | 82.02        | NA             | NA                              | 1.73**        |
| MW-8            | 9/14/07     |                                  | 82.35        | 82.36          | 3,727.94                        | 0.01          |
| MW-8            | 9/26/07     |                                  | 81.99        | 83.03          | 3,728.20                        | 1.04          |
| MW-8            | 10/5/07     |                                  | 81.97        | 84.33          | 3,728.08                        | 2.36          |
| MW-8            | 10/8/07     |                                  | 81.96        | 83.63          | 3,728.16                        | 1.67          |
| MW-8            | 10/19/07    |                                  | 82.04        | 82.41          | 3,728.21                        | 0.37          |
| MW-8            | 11/12/07    |                                  | 82.04        | 82.43          | 3,728.21                        | 0.39          |
| MW-8            | 11/28/07    |                                  | 82.04        | NA             | NA                              | 0.46**        |
| MW-8            | 12/3/07     |                                  | 82.11        | NA             | NA                              | 0.48**        |
| MW-8            | 1/3/08      |                                  | 81.84        | NA             | NA                              | 0.61**        |
| MW-8            | 1/8/08      |                                  | 81.85        | 82.56          | 3,728.37                        | 0.71          |
| MW-8            | 1/14/08     |                                  | 82.13        | 83.33          | 3,728.04                        | 1.20          |
| MW-8            | 1/23/08     |                                  | 82.12        | 83.09          | 3,728.07                        | 0.97          |
| MW-8            | 1/28/08     |                                  | 82.04        | 83.30          | 3,728.12                        | 1.26          |
| MW-8            | 2/11/08     |                                  | 81.97        | 83.34          | 3,728.18                        | 1.37          |
| MW-8            | 3/12/08     |                                  | 81.93        | 83.34          | 3,728.22                        | 1.41          |
| MW-8            | 4/1/08      |                                  | 81.95        | 83.34          | 3,728.20                        | 1.39          |
| MW-8            | 4/11/08     |                                  | 82.37        | 83.94          | 3,727.76                        | 1.57          |
| MW-8            | 4/15/08     |                                  | 82.36        | 83.45          | 3,727.82                        | 1.09          |
| MW-8            | 4/22/08     |                                  | 82.33        | 83.48          | 3,727.85                        | 1.15          |
| MW-8            | 4/28/08     |                                  | 82.32        | 83.46          | 3,727.86                        | 1.14          |
| MW-8            | 5/6/08      |                                  | 82.67        | 82.82          | 3,727.61                        | 0.15          |
| MW-8            | 5/16/08     |                                  | 82.47        | 83.46          | 3,727.72                        | 0.99          |
| MW-8            | 6/19/08     |                                  | 82.61        | NA             | NA                              | 1.13**        |
| MW-8            | 8/13/08     |                                  | 83.32        | 84.96*         | NA                              | 1.64          |
| MW-8            | 9/23/08     |                                  | 82.89        | 83.29*         | NA                              | 0.40          |
| MW-8            | 10/15/08    |                                  |              | DRY            |                                 |               |
| MW-8            | 12/4/08     |                                  | 82.95        | 83.21*         | NA                              | 0.26          |



**Table 1**  
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**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-9            | 10/19/04    | WELL INSTALLED 19-Oct-04         |              |                |                                 |               |
| MW-9            | 10/27/04    | 3,809.81                         |              | 75.85          | 3,733.96                        |               |
| MW-9            | 10/29/04    |                                  |              | 75.85          | 3,733.96                        |               |
| MW-9            | 11/19/04    |                                  |              | 75.91          | 3,733.90                        |               |
| MW-9            | 3/31/05     |                                  |              | 76.97          | 3,732.84                        |               |
| MW-9            | 4/25/05     |                                  |              | 75.91          | 3,733.90                        |               |
| MW-9            | 5/12/05     |                                  |              | 75.96          | 3,733.85                        |               |
| MW-9            | 5/31/05     |                                  |              | 75.99          | 3,733.82                        |               |
| MW-9            | 6/29/05     |                                  |              | 76.34          | 3,733.47                        |               |
| MW-9            | 8/22/05     |                                  |              | 77.31          | 3,732.50                        |               |
| MW-9            | 9/15/05     |                                  |              | 77.48          | 3,732.33                        |               |
| MW-9            | 11/14/05    |                                  |              | 78.15          | 3,731.66                        |               |
| MW-9            | 1/23/06     |                                  |              | 78.33          | 3,731.48                        |               |
| MW-9            | 3/1/06      |                                  |              | 77.78          | 3,732.03                        |               |
| MW-9            | 5/25/06     |                                  |              | 78.67          | 3,731.14                        |               |
| MW-9            | 8/14/06     |                                  |              | 79.90          | 3,729.91                        |               |
| MW-9            | 11/29/06    |                                  |              | 80.87          | 3,728.94                        |               |
| MW-9            | 12/12/06    |                                  |              | 80.93          | 3,728.88                        |               |
| MW-9            | 1/11/07     |                                  |              | 90.94          | 3,718.87                        |               |
| MW-9            | 2/8/07      |                                  |              | 80.70          | 3,729.11                        |               |
| MW-9            | 2/20/07     |                                  |              | 81.09          | 3,728.72                        |               |
| MW-9            | 3/6/07      |                                  |              | 81.15          | 3,728.66                        |               |
| MW-9            | 3/14/07     |                                  |              | 80.65          | 3,729.16                        |               |
| MW-9            | 3/27/07     |                                  |              | 81.34          | 3,728.47                        |               |
| MW-9            | 3/29/07     |                                  |              | 81.11          | 3,728.70                        |               |
| MW-9            | 4/3/07      |                                  |              | 81.12          | 3,728.69                        |               |
| MW-9            | 4/11/07     |                                  |              | 81.50          | 3,728.31                        |               |
| MW-9            | 4/17/07     |                                  |              | 81.60          | 3,728.21                        |               |
| MW-9            | 5/21/07     |                                  |              | 81.61          | 3,728.20                        |               |
| MW-9            | 6/13/07     |                                  |              | 81.65          | 3,728.16                        |               |
| MW-9            | 6/26/07     |                                  |              | 81.78          | 3,728.03                        |               |
| MW-9            | 9/14/07     |                                  |              | 82.33          | 3,727.48                        |               |
| MW-9            | 10/19/07    |                                  |              | 82.37          | 3,727.44                        |               |
| MW-9            | 12/3/07     |                                  |              | 82.30          | 3,727.51                        |               |
| MW-9            | 1/8/08      |                                  |              | 82.10          | 3,727.71                        |               |
| MW-9            | 1/28/08     |                                  |              | 82.12          | 3,727.69                        |               |
| MW-9            | 3/12/08     |                                  |              | 82.11          | 3,727.70                        |               |
| MW-9            | 4/22/08     |                                  |              | 82.54          | 3,727.27                        |               |
| MW-9            | 5/16/08     |                                  |              | 82.66          | 3,727.15                        |               |
| MW-9            | 6/19/08     |                                  |              | 82.87          | 3,726.94                        |               |
| MW-9            | 8/13/08     |                                  |              | 83.41          | 3,726.40                        |               |
| MW-9            | 10/15/08    |                                  |              | 83.72          | 3,726.09                        |               |
| MW-9            | 12/4/08     |                                  |              | 83.59          | 3,726.22                        |               |
|                 |             |                                  |              |                |                                 |               |
|                 |             |                                  |              |                |                                 |               |



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**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-10           | 10/20/04    | WELL INSTALLED 20-Oct-04         |              |                |                                 |               |
| MW-10           | 10/27/04    | 3,809.64                         |              | 75.76          | 3,733.88                        |               |
| MW-10           | 10/29/04    |                                  |              | 75.76          | 3,733.88                        |               |
| MW-10           | 11/19/04    |                                  |              | 75.84          | 3,733.80                        |               |
| MW-10           | 3/31/05     |                                  |              | 75.87          | 3,733.77                        |               |
| MW-10           | 4/25/05     |                                  |              | 75.85          | 3,733.79                        |               |
| MW-10           | 5/12/05     |                                  |              | 75.96          | 3,733.68                        |               |
| MW-10           | 5/31/05     |                                  |              | 75.91          | 3,733.73                        |               |
| MW-10           | 6/29/05     |                                  |              | 76.30          | 3,733.34                        |               |
| MW-10           | 8/22/05     |                                  |              | 77.32          | 3,732.32                        |               |
| MW-10           | 9/15/05     |                                  |              | 77.46          | 3,732.18                        |               |
| MW-10           | 11/14/05    |                                  |              | 78.08          | 3,731.56                        |               |
| MW-10           | 1/23/06     |                                  |              | 78.22          | 3,731.42                        |               |
| MW-10           | 3/1/06      |                                  |              | 77.58          | 3,732.06                        |               |
| MW-10           | 5/25/06     |                                  |              | 78.66          | 3,730.98                        |               |
| MW-10           | 8/14/06     |                                  |              | 79.96          | 3,729.68                        |               |
| MW-10           | 11/29/06    |                                  |              | 80.84          | 3,728.80                        |               |
| MW-10           | 12/12/06    |                                  |              | 80.91          | 3,728.73                        |               |
| MW-10           | 1/11/07     |                                  |              | 80.84          | 3,728.80                        |               |
| MW-10           | 2/8/07      |                                  |              | 80.59          | 3,729.05                        |               |
| MW-10           | 2/20/07     |                                  |              | 81.00          | 3,728.64                        |               |
| MW-10           | 3/6/07      |                                  |              | 81.08          | 3,728.56                        |               |
| MW-10           | 3/14/07     |                                  |              | 80.52          | 3,729.12                        |               |
| MW-10           | 3/27/07     |                                  |              | 81.33          | 3,728.31                        |               |
| MW-10           | 3/29/07     |                                  |              | 81.07          | 3,728.57                        |               |
| MW-10           | 4/3/07      |                                  |              | 81.37          | 3,728.27                        |               |
| MW-10           | 4/11/07     |                                  |              | 81.46          | 3,728.18                        |               |
| MW-10           | 4/17/07     |                                  |              | 81.53          | 3,728.11                        |               |
| MW-10           | 5/24/07     |                                  |              | 81.54          | 3,728.10                        |               |
| MW-10           | 6/13/07     |                                  |              | 81.59          | 3,728.05                        |               |
| MW-10           | 6/26/07     |                                  |              | 81.78          | 3,727.86                        |               |
| MW-10           | 9/14/07     |                                  |              | 82.30          | 3,727.34                        |               |
| MW-10           | 10/19/07    |                                  |              | 82.33          | 3,727.31                        |               |
| MW-10           | 12/3/07     |                                  |              | 85.26          | 3,724.38                        |               |
| MW-10           | 1/8/08      |                                  |              | 82.01          | 3,727.63                        |               |
| MW-10           | 1/28/08     |                                  |              | 82.02          | 3,727.62                        |               |
| MW-10           | 3/12/08     |                                  |              | 82.04          | 3,727.60                        |               |
| MW-10           | 4/22/08     |                                  |              | 82.51          | 3,727.13                        |               |
| MW-10           | 5/16/08     |                                  |              | 82.64          | 3,727.00                        |               |
| MW-10           | 6/19/08     |                                  |              | 82.88          | 3,726.76                        |               |
| MW-10           | 8/13/08     |                                  |              | 83.42          | 3,726.22                        |               |
| MW-10           | 10/15/08    |                                  |              | 83.73          | 3,725.91                        |               |
| MW-10           | 12/4/08     |                                  |              | 83.51          | 3,726.13                        |               |
|                 |             |                                  |              |                |                                 |               |
|                 |             |                                  |              |                |                                 |               |



**Table 1**  
**Summary of Historical Fluid Level Measurements**  
**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-11           | 2/21/06     | WELL INSTALLED 2/21/06           |              |                |                                 |               |
| MW-11           | 3/1/06      | 3,808.95                         |              | 76.95          | 3,732.00                        |               |
| MW-11           | 5/25/06     |                                  |              | 78.06          | 3,730.89                        |               |
| MW-11           | 8/14/06     |                                  |              | 79.57          | 3,729.38                        |               |
| MW-11           | 11/29/06    |                                  |              | 80.26          | 3,728.69                        |               |
| MW-11           | 12/12/06    |                                  |              | 80.27          | 3,728.68                        |               |
| MW-11           | 1/11/07     |                                  |              | 80.19          | 3,728.76                        |               |
| MW-11           | 2/8/07      |                                  |              | 79.91          | 3,729.04                        |               |
| MW-11           | 2/20/07     |                                  |              | 80.35          | 3,728.60                        |               |
| MW-11           | 3/6/07      |                                  |              | 80.42          | 3,728.53                        |               |
| MW-11           | 3/14/07     |                                  |              | 80.01          | 3,728.94                        |               |
| MW-11           | 3/27/09     |                                  |              | 80.43          | 3,728.52                        |               |
| MW-11           | 3/29/09     |                                  |              | 80.46          | 3,728.49                        |               |
| MW-11           | 4/3/07      |                                  |              | 80.96          | 3,727.99                        |               |
| MW-11           | 4/11/07     |                                  |              | 80.86          | 3,728.09                        |               |
| MW-11           | 4/17/07     |                                  |              | 80.94          | 3,728.01                        |               |
| MW-11           | 5/24/07     |                                  |              | 80.89          | 3,728.06                        |               |
| MW-11           | 6/13/07     |                                  |              | 81.08          | 3,727.87                        |               |
| MW-11           | 6/26/07     |                                  |              | 81.19          | 3,727.76                        |               |
| MW-11           | 9/14/07     |                                  |              | 81.68          | 3,727.27                        |               |
| MW-11           | 10/19/07    |                                  |              | 81.76          | 3,727.19                        |               |
| MW-11           | 12/3/07     |                                  |              | 81.60          | 3,727.35                        |               |
| MW-11           | 1/8/08      |                                  |              | 81.35          | 3,727.60                        |               |
| MW-11           | 1/28/08     |                                  |              | 81.36          | 3,727.59                        |               |
| MW-11           | 3/12/08     |                                  |              | 81.43          | 3,727.52                        |               |
| MW-11           | 4/22/08     |                                  |              | 81.91          | 3,727.04                        |               |
| MW-11           | 5/16/08     |                                  |              | 82.07          | 3,726.88                        |               |
| MW-11           | 6/19/08     |                                  |              | 82.31          | 3,726.64                        |               |
| MW-11           | 8/13/08     |                                  |              | 82.88          | 3,726.07                        |               |
| MW-11           | 10/15/08    |                                  |              | 83.15          | 3,725.80                        |               |
| MW-11           | 12/4/08     |                                  |              | 82.88          | 3,726.07                        |               |
|                 |             |                                  |              |                |                                 |               |
|                 |             |                                  |              |                |                                 |               |
| MW-12           | 2/23/06     | WELL INSTALLED 2/23/06           |              |                |                                 |               |
| MW-12           | 3/1/06      | 3,809.63                         |              | 77.60          | 3,732.03                        |               |
| MW-12           | 5/25/06     |                                  |              | 78.68          | 3,730.95                        |               |
| MW-12           | 8/14/06     |                                  |              | 79.99          | 3,729.64                        |               |
| MW-12           | 11/29/06    |                                  |              | 80.86          | 3,728.77                        |               |
| MW-12           | 12/12/06    |                                  |              | 80.90          | 3,728.73                        |               |
| MW-12           | 1/11/07     |                                  |              | 80.81          | 3,728.82                        |               |
| MW-12           | 2/8/07      |                                  |              | 80.55          | 3,729.08                        |               |
| MW-12           | 2/20/07     |                                  |              | 80.96          | 3,728.67                        |               |
| MW-12           | 3/6/07      |                                  |              | 81.04          | 3,728.59                        |               |
| MW-12           | 3/14/07     |                                  |              | 81.15          | 3,728.48                        |               |
| MW-12           | 3/27/07     |                                  |              | 81.31          | 3,728.32                        |               |
| MW-12           | 3/29/07     |                                  |              | 81.15          | 3,728.48                        |               |
| MW-12           | 4/3/07      |                                  |              | 81.35          | 3,728.28                        |               |
| MW-12           | 4/11/07     |                                  |              | 81.87          | 3,727.76                        |               |
| MW-12           | 4/17/07     |                                  |              | 81.50          | 3,728.13                        |               |
| MW-12           | 5/24/07     |                                  |              | 81.45          | 3,728.18                        |               |
| MW-12           | 6/26/07     |                                  |              | 81.79          | 3,727.84                        |               |
| MW-12           | 9/14/07     |                                  |              | 82.29          | 3,727.34                        |               |
| MW-12           | 10/19/07    |                                  |              | 82.36          | 3,727.27                        |               |
| MW-12           | 12/3/07     |                                  |              | 82.20          | 3,727.43                        |               |
| MW-12           | 1/8/08      |                                  |              | 81.99          | 3,727.64                        |               |
| MW-12           | 1/28/08     |                                  |              | 81.98          | 3,727.65                        |               |
| MW-12           | 3/12/08     |                                  |              | 82.07          | 3,727.56                        |               |
| MW-12           | 4/22/08     |                                  |              | 82.52          | 3,727.11                        |               |
| MW-12           | 5/16/08     |                                  |              | 82.07          | 3,727.56                        |               |
| MW-12           | 6/19/08     |                                  |              | 82.91          | 3,726.72                        |               |
| MW-12           | 8/13/08     |                                  |              | 83.46          | 3,726.17                        |               |
| MW-12           | 10/15/08    |                                  |              | 83.74          | 3,725.89                        |               |
| MW-12           | 12/4/08     |                                  | 83.38        | 84.10          | 3,726.18                        | 0.72          |
|                 |             |                                  |              |                |                                 |               |
|                 |             |                                  |              |                |                                 |               |



**Table 1**  
**Summary of Historical Fluid Level Measurements**  
**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-13           | 2/22/06     | WELL INSTALLED 2/22/06           |              |                |                                 |               |
| MW-13           | 3/1/06      | 3,809.42                         |              | 77.33          | 3,732.09                        |               |
| MW-13           | 5/25/06     |                                  |              | 78.35          | 3,731.07                        |               |
| MW-13           | 8/14/06     |                                  |              | 79.59          | 3,729.83                        |               |
| MW-13           | 11/29/06    |                                  |              | 80.51          | 3,728.91                        |               |
| MW-13           | 12/12/06    |                                  |              | 80.68          | 3,728.74                        |               |
| MW-13           | 1/11/07     |                                  |              | 80.48          | 3,728.94                        |               |
| MW-13           | 2/8/07      |                                  |              | 80.25          | 3,729.17                        |               |
| MW-13           | 2/20/07     |                                  |              | 80.86          | 3,728.56                        |               |
| MW-13           | 3/6/07      |                                  |              | 80.71          | 3,728.71                        |               |
| MW-13           | 3/14/07     |                                  |              | 80.82          | 3,728.60                        |               |
| MW-13           | 3/27/07     |                                  |              | 79.97          | 3,729.45                        |               |
| MW-13           | 3/29/07     |                                  |              | 80.70          | 3,728.72                        |               |
| MW-13           | 4/3/07      |                                  |              | 81.02          | 3,728.40                        |               |
| MW-13           | 4/11/07     |                                  |              | 81.62          | 3,727.80                        |               |
| MW-13           | 4/17/07     |                                  |              | 81.17          | 3,728.25                        |               |
| MW-13           | 5/24/07     |                                  |              | 81.19          | 3,728.23                        |               |
| MW-13           | 6/26/07     |                                  |              | 81.42          | 3,728.00                        |               |
| MW-13           | 9/14/07     |                                  |              | 81.99          | 3,727.43                        |               |
| MW-13           | 10/19/07    |                                  |              | 82.02          | 3,727.40                        |               |
| MW-13           | 12/3/07     |                                  |              | 81.91          | 3,727.51                        |               |
| MW-13           | 1/8/08      |                                  |              | 81.71          | 3,727.71                        |               |
| MW-13           | 1/28/08     |                                  |              | 81.71          | 3,727.71                        |               |
| MW-13           | 3/12/08     |                                  |              | 81.74          | 3,727.68                        |               |
| MW-13           | 4/22/08     |                                  |              | 82.17          | 3,727.25                        |               |
| MW-13           | 5/16/08     |                                  |              | 82.31          | 3,727.11                        |               |
| MW-13           | 6/19/08     |                                  |              | 82.54          | 3,726.88                        |               |
| MW-13           | 8/13/08     |                                  |              | 83.06          | 3,726.36                        |               |
| MW-13           | 10/15/08    |                                  |              | 83.37          | 3,726.05                        |               |
| MW-13           | 12/4/08     |                                  |              | 83.21          | 3,726.21                        |               |
|                 |             |                                  |              |                |                                 |               |
|                 |             |                                  |              |                |                                 |               |
| MW-14           | 2/21/06     | WELL INSTALLED 2/21/06           |              |                |                                 |               |
| MW-14           | 3/1/06      | 3,809.46                         |              | 77.31          | 3,732.15                        |               |
| MW-14           | 5/25/06     |                                  |              | 78.29          | 3,731.17                        |               |
| MW-14           | 8/14/06     |                                  |              | 79.41          | 3,730.05                        |               |
| MW-14           | 11/29/06    |                                  |              | 80.37          | 3,729.09                        |               |
| MW-14           | 12/12/06    |                                  |              | 80.51          | 3,728.95                        |               |
| MW-14           | 1/11/07     |                                  |              | 80.53          | 3,728.93                        |               |
| MW-14           | 2/8/07      |                                  |              | 80.20          | 3,729.26                        |               |
| MW-14           | 2/20/07     |                                  |              | 80.61          | 3,728.85                        |               |
| MW-14           | 3/6/07      |                                  |              | 80.65          | 3,728.81                        |               |
| MW-14           | 3/14/07     |                                  |              | 80.02          | 3,729.44                        |               |
| MW-14           | 3/27/07     |                                  |              | 80.85          | 3,728.61                        |               |
| MW-14           | 3/29/07     |                                  |              | 80.59          | 3,728.87                        |               |
| MW-14           | 4/3/07      |                                  |              | 80.91          | 3,728.55                        |               |
| MW-14           | 4/11/07     |                                  |              | 80.59          | 3,728.87                        |               |
| MW-14           | 4/17/07     |                                  |              | 81.04          | 3,728.42                        |               |
| MW-14           | 5/24/07     |                                  |              | 81.10          | 3,728.36                        |               |
| MW-14           | 6/26/07     |                                  |              | 81.28          | 3,728.18                        |               |
| MW-14           | 9/14/07     |                                  |              | 81.88          | 3,727.58                        |               |
| MW-14           | 10/19/07    |                                  |              | 81.89          | 3,727.57                        |               |
| MW-14           | 12/3/07     |                                  |              | 81.78          | 3,727.68                        |               |
| MW-14           | 1/8/08      |                                  |              | 81.66          | 3,727.80                        |               |
| MW-14           | 1/28/08     |                                  |              | 81.68          | 3,727.78                        |               |
| MW-14           | 3/12/08     |                                  |              | 81.68          | 3,727.78                        |               |
| MW-14           | 4/22/08     |                                  |              | 82.11          | 3,727.35                        |               |
| MW-14           | 5/16/08     |                                  |              | 82.19          | 3,727.27                        |               |
| MW-14           | 6/19/08     |                                  |              | 82.41          | 3,727.05                        |               |
| MW-14           | 8/13/08     |                                  |              | 82.91          | 3,726.55                        |               |
| MW-14           | 10/15/08    |                                  |              | 83.23          | 3,726.23                        |               |
| MW-14           | 12/4/08     |                                  |              | 83.15          | 3,726.31                        |               |
|                 |             |                                  |              |                |                                 |               |



**Table 1**  
**Summary of Historical Fluid Level Measurements**  
**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH                  | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|-------------------------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)*                  | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-15           | 2/22/06     |                                  | <b>WELL INSTALLED 2/22/06</b> |                |                                 |               |
| MW-15           | 3/1/06      | 3,810.77                         |                               | 78.50          | 3,732.27                        |               |
| MW-15           | 5/25/06     |                                  |                               | 79.41          | 3,731.36                        |               |
| MW-15           | 8/14/06     |                                  |                               | 80.54          | 3,730.23                        |               |
| MW-15           | 11/29/06    |                                  |                               | 81.54          | 3,729.23                        |               |
| MW-15           | 12/12/06    |                                  |                               | 81.63          | 3,729.14                        |               |
| MW-15           | 1/11/07     |                                  |                               | 81.67          | 3,729.10                        |               |
| MW-15           | 2/8/07      |                                  |                               | 81.43          | 3,729.34                        |               |
| MW-15           | 2/20/07     |                                  |                               | 81.81          | 3,728.96                        |               |
| MW-15           | 3/6/07      |                                  |                               | 81.85          | 3,728.92                        |               |
| MW-15           | 3/14/07     |                                  |                               | 81.16          | 3,729.61                        |               |
| MW-15           | 3/27/07     |                                  |                               | 82.07          | 3,728.70                        |               |
| MW-15           | 3/29/07     |                                  |                               | 81.40          | 3,729.37                        |               |
| MW-15           | 4/3/07      |                                  |                               | 82.11          | 3,728.66                        |               |
| MW-15           | 4/11/07     |                                  |                               | 82.70          | 3,728.07                        |               |
| MW-15           | 4/17/07     |                                  |                               | 82.24          | 3,728.53                        |               |
| MW-15           | 5/24/07     |                                  |                               | 82.30          | 3,728.47                        |               |
| MW-15           | 6/26/07     |                                  |                               | 82.48          | 3,728.29                        |               |
| MW-15           | 9/14/07     |                                  |                               | 83.05          | 3,727.72                        |               |
| MW-15           | 10/19/07    |                                  |                               | 83.06          | 3,727.71                        |               |
| MW-15           | 12/3/07     |                                  |                               | 83.02          | 3,727.75                        |               |
| MW-15           | 1/8/08      |                                  |                               | 82.89          | 3,727.88                        |               |
| MW-15           | 1/28/08     |                                  |                               | 82.81          | 3,727.96                        |               |
| MW-15           | 3/12/08     |                                  |                               | 82.86          | 3,727.91                        |               |
| MW-15           | 4/22/08     |                                  |                               | 83.23          | 3,727.54                        |               |
| MW-15           | 5/16/08     |                                  |                               | 83.31          | 3,727.46                        |               |
| MW-15           | 6/19/08     |                                  |                               | 83.57          | 3,727.20                        |               |
| MW-15           | 8/13/08     |                                  |                               | 84.07          | 3,726.70                        |               |
| MW-15           | 10/15/08    |                                  |                               | 84.41          | 3,726.36                        |               |
| MW-15           | 12/4/08     |                                  |                               | 84.34          | 3,726.43                        |               |
|                 |             |                                  |                               |                |                                 |               |
| MW-16           | 2/23/06     |                                  | <b>WELL INSTALLED 2/23/06</b> |                |                                 |               |
| MW-16           | 3/1/06      | 3,812.02                         |                               | 79.72          | 3,732.30                        |               |
| MW-16           | 5/25/06     |                                  |                               | 80.58          | 3,731.44                        |               |
| MW-16           | 8/14/06     |                                  |                               | 81.71          | 3,730.31                        |               |
| MW-16           | 11/29/06    |                                  |                               | 82.74          | 3,729.28                        |               |
| MW-16           | 12/12/06    |                                  |                               | 82.84          | 3,729.18                        |               |
| MW-16           | 1/11/07     |                                  |                               | 82.90          | 3,729.12                        |               |
| MW-16           | 2/8/07      |                                  |                               | 82.66          | 3,729.36                        |               |
| MW-16           | 2/20/07     |                                  |                               | 83.06          | 3,728.96                        |               |
| MW-16           | 3/6/07      |                                  |                               | 83.07          | 3,728.95                        |               |
| MW-16           | 3/14/07     |                                  |                               | 82.69          | 3,729.33                        |               |
| MW-16           | 3/27/07     |                                  |                               | 83.27          | 3,728.75                        |               |
| MW-16           | 3/29/07     |                                  |                               | 83.01          | 3,729.01                        |               |
| MW-16           | 4/3/07      |                                  |                               | 83.33          | 3,728.69                        |               |
| MW-16           | 4/11/07     |                                  |                               | 84.02          | 3,728.00                        |               |
| MW-16           | 4/17/07     |                                  |                               | 83.44          | 3,728.58                        |               |
| MW-16           | 5/24/07     |                                  |                               | 83.55          | 3,728.47                        |               |
| MW-16           | 6/26/07     |                                  |                               | 83.69          | 3,728.33                        |               |
| MW-16           | 9/14/07     |                                  |                               | 84.25          | 3,727.77                        |               |
| MW-16           | 10/19/07    |                                  |                               | 84.28          | 3,727.74                        |               |
| MW-16           | 12/3/07     |                                  |                               | 84.24          | 3,727.78                        |               |
| MW-16           | 1/8/08      |                                  |                               | 84.10          | 3,727.92                        |               |
| MW-16           | 1/28/08     |                                  |                               | 84.09          | 3,727.93                        |               |
| MW-16           | 3/12/08     |                                  |                               | 84.07          | 3,727.95                        |               |
| MW-16           | 4/22/08     |                                  |                               | 80.09          | 3,731.93                        |               |
| MW-16           | 5/16/08     |                                  |                               | 85.55          | 3,726.47                        |               |
| MW-16           | 6/19/08     |                                  |                               | 84.76          | 3,727.26                        |               |
| MW-16           | 8/13/08     |                                  |                               | 85.25          | 3,726.77                        |               |
| MW-16           | 10/15/08    |                                  |                               | 85.63          | 3,726.39                        |               |
| MW-16           | 12/4/08     |                                  |                               | 85.58          | 3,726.44                        |               |
|                 |             |                                  |                               |                |                                 |               |



**Table 1**  
**Summary of Historical Fluid Level Measurements**  
**Plains Pipeline, L.P.**  
**C. S. Cayler**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**Lea County, NM SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

| Monitoring Well | Date Gauged | Surveyed Top of Casing Elevation | Depth to PSH | Depth to Water | Corrected Groundwater Elevation | PSH Thickness |
|-----------------|-------------|----------------------------------|--------------|----------------|---------------------------------|---------------|
|                 |             | (feet)                           | BTOC (feet)* | BTOC (feet)*   | (feet)*                         | (feet)        |
| MW-17           | 2/23/06     | <b>WELL INSTALLED 2/23/06</b>    |              |                |                                 |               |
| MW-17           | 3/1/06      | 3,810.40                         |              | 78.07          | 3,732.33                        | 1             |
| MW-17           | 5/25/06     |                                  |              | 78.92          | 3,731.48                        | 1             |
| MW-17           | 8/14/06     |                                  |              | 80.02          | 3,730.38                        |               |
| MW-17           | 11/29/06    |                                  |              | 81.10          | 3,729.30                        |               |
| MW-17           | 12/12/06    |                                  |              | 81.20          | 3,729.20                        |               |
| MW-17           | 1/11/07     |                                  |              | 81.25          | 3,729.15                        |               |
| MW-17           | 2/8/07      |                                  |              | 81.06          | 3,729.34                        |               |
| MW-17           | 2/20/07     |                                  |              | 81.45          | 3,728.95                        | 1             |
| MW-17           | 3/6/07      |                                  |              | 81.48          | 3,728.92                        |               |
| MW-17           | 3/14/07     |                                  |              | 80.89          | 3,729.51                        |               |
| MW-17           | 3/27/07     |                                  |              | 81.65          | 3,728.75                        | 1             |
| MW-17           | 3/29/07     |                                  |              | 81.40          | 3,729.00                        |               |
| MW-17           | 4/3/07      |                                  |              | 81.70          | 3,728.70                        | 1             |
| MW-17           | 4/11/07     |                                  |              | 82.11          | 3,728.29                        |               |
| MW-17           | 4/17/07     |                                  |              | 81.83          | 3,728.57                        |               |
| MW-17           | 5/22/07     |                                  |              | 81.92          | 3,728.48                        |               |
| MW-17           | 6/26/07     |                                  |              | 82.06          | 3,728.34                        |               |
| MW-17           | 9/14/07     |                                  |              | 82.59          | 3,727.81                        |               |
| MW-17           | 10/19/07    |                                  |              | 82.60          | 3,727.80                        |               |
| MW-17           | 12/3/07     |                                  |              | 82.56          | 3,727.84                        |               |
| MW-17           | 1/8/08      |                                  |              | 82.48          | 3,727.92                        |               |
| MW-17           | 1/28/08     |                                  |              | 82.47          | 3,727.93                        |               |
| MW-17           | 3/12/08     |                                  |              | 82.41          | 3,727.99                        |               |
| MW-17           | 4/22/08     |                                  |              | 80.42          | 3,729.98                        |               |
| MW-17           | 5/16/08     |                                  |              | 82.89          | 3,727.51                        |               |
| MW-17           | 6/19/08     |                                  |              | 83.10          | 3,727.30                        |               |
| MW-17           | 8/13/08     |                                  |              | 83.68          | 3,726.72                        |               |
| MW-17           | 10/15/08    |                                  |              | 83.98          | 3,726.42                        |               |
| MW-17           | 12/4/08     |                                  |              | 83.92          | 3,726.48                        |               |
|                 |             |                                  |              |                |                                 |               |
|                 |             |                                  |              |                |                                 |               |
| MW-18           | 3/18/08     | <b>WELL INSTALLED 3/18/08</b>    |              |                |                                 |               |
| MW-18           | 3/25/08     | 3,809.09                         |              | 82.07          | 3,727.02                        |               |
| MW-18           | 4/22/08     |                                  |              | 82.19          | 3,726.90                        |               |
| MW-18           | 5/16/08     |                                  |              | 82.36          | 3,726.73                        |               |
| MW-18           | 6/19/08     |                                  |              | 82.61          | 3,726.48                        |               |
| MW-18           | 8/13/08     |                                  |              | 83.19          | 3,725.90                        |               |
| MW-18           | 10/15/08    |                                  |              | 83.45          | 3,725.64                        |               |
| MW-18           | 12/4/08     |                                  |              | 83.11          | 3,725.98                        |               |
|                 |             |                                  |              |                |                                 |               |
|                 |             |                                  |              |                |                                 |               |

monitoring well MW-3, which was assigned an elevation of 3,760 feet amsl.

\* Corrected Groundwater Elevation = Top of Casing Elevation - (Depth to Water Below Top of Casing - (SGXPSH Thickness)).

\*\* Estimated Product Thickness using Total Depth of Well as the Depth to Water.

-- = Not Detected

OC = Below Top of Casing



**TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**PLAINS PIPELINE, L.P.**  
**C.S. CAYLER**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**LEA COUNTY, NEW MEXICO - SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

*All concentrations are in mg/L*

| Sample Location | Sample Date | Benzene                                                     | Toluene  | Ethyl Benzene | Xylene   |
|-----------------|-------------|-------------------------------------------------------------|----------|---------------|----------|
| MW-1            | 03/12/08    | Not Sampled Due to Dry Well                                 |          |               |          |
|                 | 06/19/08    | Not Sampled Due to Dry Well                                 |          |               |          |
|                 | 08/13/08    | Not Sampled Due to Dry Well                                 |          |               |          |
|                 | 09/18/08    | Well Plugged                                                |          |               |          |
| MW-1A           | 09/18/08    | Well Installed                                              |          |               |          |
|                 | 09/23/08    | 20.1                                                        | 13.9     | 2.03          | 4.58     |
|                 | 12/04/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
| MW-2            | 03/12/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
|                 | 06/19/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
|                 | 08/13/08    | Not Sampled Due to Not Enough Water                         |          |               |          |
|                 | 12/04/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
| MW-3            | 03/12/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
|                 | 06/19/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
|                 | 09/23/08    | 18.2                                                        | 7.71     | 1.81          | 4.15     |
|                 | 12/04/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
| MW-4            | 03/12/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
|                 | 06/19/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
|                 | 09/23/08    | 31.2                                                        | 31.1     | 8.39          | 18.9     |
|                 | 12/04/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
| MW-5            | 03/12/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
|                 | 06/19/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
|                 | 09/23/08    | 11.9                                                        | 5.8      | 1.08          | 1.92     |
|                 | 12/04/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
| MW-6            | 03/12/08    | 0.138                                                       | 0.03010  | <0.001        | 0.01880  |
|                 | 06/19/08    | 0.198                                                       | 0.0293   | 0.00120       | 0.01390  |
|                 | 08/13/08    | 0.4540                                                      | 0.0383   | <0.0100       | <0.0100  |
|                 | 12/04/08    | 0.200                                                       | 0.0162   | 0.00230       | 0.0115   |
| MW-7            | 03/12/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
|                 | 06/19/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
|                 | 08/13/08    | Not Sampled Due to Not Enough Water                         |          |               |          |
|                 | 12/04/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
| MW-8            | 03/12/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
|                 | 06/19/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
|                 | 08/13/08    | Not Sampled Due to Not Enough Water                         |          |               |          |
|                 | 12/04/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |          |               |          |
| MW-9            | 03/12/08    | 0.0070                                                      | <0.001   | <0.001        | 0.0102   |
|                 | 06/19/08    | 0.01240                                                     | <0.00100 | <0.00100      | 0.00150  |
|                 | 08/13/08    | 0.130                                                       | <0.00100 | <0.00100      | <0.00100 |
|                 | 12/04/08    | 0.166                                                       | <0.00100 | 0.0151        | 0.0195   |





**TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**PLAINS PIPELINE, L.P.**  
**C.S. CAYLER**  
**NMOCD REF. # AP-052 (OLD 1R-0382)**  
**LEA COUNTY, NEW MEXICO - SRS# 2002-10250**  
**Talon/LPE Project Number PLAINS044SPL**

*All concentrations are in mg/L*

| Sample Location        | Sample Date | Benzene                                                     | Toluene     | Ethyl Benzene | Xylene       |
|------------------------|-------------|-------------------------------------------------------------|-------------|---------------|--------------|
| MW-10                  | 03/12/08    | <b>0.17900</b>                                              | 0.030       | 0.00890       | 0.0389       |
|                        | 06/19/08    | 0.00470                                                     | <0.00100    | <0.00100      | 0.00210      |
|                        | 08/13/08    | <0.00500                                                    | <0.00500    | <0.00500      | <0.00500     |
|                        | 12/04/08    | 0.00550                                                     | <0.00100    | <0.00100      | 0.0150       |
| MW-11                  | 03/12/08    | <0.001                                                      | <0.001      | <0.001        | <0.001       |
|                        | 06/19/08    | <0.00100                                                    | <0.00100    | <0.00100      | <0.00100     |
|                        | 08/13/08    | <0.00100                                                    | <0.00100    | <0.00100      | <0.00100     |
|                        | 12/04/08    | <0.00100                                                    | <0.00100    | <0.00100      | <0.00100     |
| MW-12                  | 03/12/08    | <b>31.5</b>                                                 | <b>1.12</b> | <b>0.875</b>  | <b>1.090</b> |
|                        | 06/19/08    | <b>30.7</b>                                                 | <b>4.95</b> | <b>1.27</b>   | <b>1.99</b>  |
|                        | 08/13/08    | <b>30.20</b>                                                | <b>8.44</b> | <b>1.25</b>   | <b>2.22</b>  |
|                        | 12/04/08    | Not Sampled Due to Presence of Phase Separated Hydrocarbons |             |               |              |
| MW-13                  | 03/12/08    | <b>0.0210</b>                                               | <0.001      | <0.001        | 0.00310      |
|                        | 06/19/08    | <b>0.0179</b>                                               | <0.00100    | <0.00100      | 0.00200      |
|                        | 08/13/08    | <b>0.0231</b>                                               | <0.00100    | <0.00100      | 0.00140      |
|                        | 12/04/08    | <b>0.0240</b>                                               | <0.00100    | <0.00100      | 0.0161       |
| MW-14                  | 03/12/08    | 0.00100                                                     | <0.001      | <0.001        | <0.001       |
|                        | 06/19/08    | 0.00650                                                     | 0.002       | <0.00100      | 0.00140      |
|                        | 08/13/08    | <0.00100                                                    | <0.00100    | <0.00100      | <0.00100     |
|                        | 12/04/08    | <0.00100                                                    | <0.00100    | <0.00100      | <0.00100     |
| MW-15                  | 03/12/08    | 0.00260                                                     | <0.001      | <0.001        | <0.001       |
|                        | 06/19/08    | 0.00580                                                     | <0.00100    | <0.00100      | <0.00100     |
|                        | 08/13/08    | 0.00350                                                     | <0.00100    | <0.00100      | <0.00100     |
|                        | 12/04/08    | <0.00100                                                    | <0.00100    | <0.00100      | <0.00100     |
| MW-16                  | 03/12/08    | <b>0.165</b>                                                | 0.0113      | 0.00270       | 0.0174       |
|                        | 06/19/08    | <b>0.129</b>                                                | 0.00710     | 0.00220       | 0.00850      |
|                        | 08/13/08    | <b>0.117</b>                                                | <0.00100    | <0.00100      | 0.00440      |
|                        | 12/04/08    | <b>0.0147</b>                                               | 0.00930     | <0.00100      | 0.0165       |
| MW-17                  | 03/12/08    | 0.00310                                                     | <0.001      | <0.001        | <0.001       |
|                        | 06/19/08    | 0.00950                                                     | <0.00100    | <0.00100      | 0.00150      |
|                        | 08/13/08    | 0.00500                                                     | <0.00100    | <0.00100      | <0.00100     |
|                        | 12/04/08    | <0.00100                                                    | <0.00100    | <0.00100      | <0.00100     |
| MW-18                  | 03/28/08    | <0.001                                                      | <0.001      | <0.001        | <0.001       |
|                        | 06/19/08    | 0.00240                                                     | 0.00190     | <0.00100      | 0.00450      |
|                        | 08/13/08    | <0.00100                                                    | <0.00100    | <0.00100      | <0.00100     |
|                        | 12/04/08    | <0.00100                                                    | <0.00100    | <0.00100      | <0.00100     |
| NMWQCC Remedial Limits |             | 0.010                                                       | 0.750       | 0.750         | 0.620        |

***Bolded** values are in excess of the NMWQCC Remediation Thresholds*

*Monitor wells MW-1A, MW-3, MW-4, and MW-5 were sampled at the request of the NMOCD even though they contain PSH.*



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6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260  
E-Mail: lab@traceanalysis.com

## Certifications

**WBENC:** 237019

**HUB:** 1752439743100-86536  
**NCTRCA** WFWB38444Y0909

**DBE:** VN 20657

## NELAP Certifications

**Lubbock:** T104704219-08-TX  
LELAP-02003  
Kansas E-10317

**El Paso:** T104704221-08-TX  
LELAP-02002

**Midland:** T104704392-08-TX

## Analytical and Quality Control Report

Shanna Smith  
Talon LPE-Amarillo  
921 North Bivins  
Amarillo, TX, 79107

**Report Date:** December 10, 2008

**Work Order:** 8120501



**Project Location:** Lea County, NM  
**Project Name:** C.S. Cayler  
**Project Number:** PLAINS044SPL  
**SRS #:** 2002-10250

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

| Sample | Description | Matrix | Date Taken | Time Taken | Date Received |
|--------|-------------|--------|------------|------------|---------------|
| 181309 | MW-6        | water  | 2008-12-04 | 13:05      | 2008-12-05    |
| 181310 | MW-9        | water  | 2008-12-04 | 13:01      | 2008-12-05    |
| 181311 | MW-10       | water  | 2008-12-04 | 12:53      | 2008-12-05    |
| 181312 | MW-11       | water  | 2008-12-04 | 12:42      | 2008-12-05    |
| 181313 | MW-13       | water  | 2008-12-04 | 12:47      | 2008-12-05    |
| 181314 | MW-14       | water  | 2008-12-04 | 13:12      | 2008-12-05    |
| 181315 | MW-15       | water  | 2008-12-04 | 13:18      | 2008-12-05    |
| 181316 | MW-16       | water  | 2008-12-04 | 13:18      | 2008-12-05    |
| 181317 | MW-17       | water  | 2008-12-04 | 13:12      | 2008-12-05    |
| 181318 | MW-18       | water  | 2008-12-04 | 12:50      | 2008-12-05    |

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 12 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



---

Dr. Blair Leftwich, Director

**Standard Flags**

**B** - The sample contains less than ten times the concentration found in the method blank.

## Case Narrative

Samples for project C.S. Cayler were received by TraceAnalysis, Inc. on 2008-12-05 and assigned to work order 8120501. Samples for work order 8120501 were received intact without headspace and at a temperature of 3.4 deg. C.

Samples were analyzed for the following tests using their respective methods.

| Test | Method  |
|------|---------|
| BTEX | S 8021B |

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8120501 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

## Analytical Report

### Sample: 181309 - MW-6

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 54892  
Prep Batch: 46921

Analytical Method: S 8021B  
Date Analyzed: 2008-12-06  
Sample Preparation: 2008-12-06

Prep Method: S 5030B  
Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL      |
|--------------|------|--------------|-------|----------|---------|
| Benzene      |      | 0.200        | mg/L  | 1        | 0.00100 |
| Toluene      |      | 0.0162       | mg/L  | 1        | 0.00100 |
| Ethylbenzene |      | 0.00230      | mg/L  | 1        | 0.00100 |
| Xylene       |      | 0.0115       | mg/L  | 1        | 0.00100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.0974 | mg/L  | 1        | 0.100           | 97                  | 65.1 - 116.8       |
| 4-Bromofluorobenzene (4-BFB) |      | 0.0969 | mg/L  | 1        | 0.100           | 97                  | 52 - 124.1         |

### Sample: 181310 - MW-9

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 54899  
Prep Batch: 46921

Analytical Method: S 8021B  
Date Analyzed: 2008-12-08  
Sample Preparation: 2008-12-06

Prep Method: S 5030B  
Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL      |
|--------------|------|--------------|-------|----------|---------|
| Benzene      |      | 0.166        | mg/L  | 1        | 0.00100 |
| Toluene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Ethylbenzene |      | 0.0151       | mg/L  | 1        | 0.00100 |
| Xylene       |      | 0.0195       | mg/L  | 1        | 0.00100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.0890 | mg/L  | 1        | 0.100           | 89                  | 77.8 - 121.1       |
| 4-Bromofluorobenzene (4-BFB) |      | 0.0831 | mg/L  | 1        | 0.100           | 83                  | 40.1 - 136         |

### Sample: 181311 - MW-10

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 54899  
Prep Batch: 46921

Analytical Method: S 8021B  
Date Analyzed: 2008-12-08  
Sample Preparation: 2008-12-06

Prep Method: S 5030B  
Analyzed By: AG  
Prepared By: AG

Report Date: December 10, 2008  
PLAINS044SPL

Work Order: 8120501  
C.S. Cayler

Page Number: 5 of 12  
Lea County, NM

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL      |
|--------------|------|--------------|-------|----------|---------|
| Benzene      |      | 0.00550      | mg/L  | 1        | 0.00100 |
| Toluene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Ethylbenzene |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Xylene       |      | 0.0150       | mg/L  | 1        | 0.00100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.0932 | mg/L  | 1        | 0.100           | 93                  | 77.8 - 121.1       |
| 4-Bromofluorobenzene (4-BFB) |      | 0.0785 | mg/L  | 1        | 0.100           | 78                  | 40.1 - 136         |

**Sample: 181312 - MW-11**

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 54899  
Prep Batch: 46921

Analytical Method: S 8021B  
Date Analyzed: 2008-12-08  
Sample Preparation: 2008-12-06

Prep Method: S 5030B  
Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL      |
|--------------|------|--------------|-------|----------|---------|
| Benzene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Toluene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Ethylbenzene |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Xylene       |      | <0.00100     | mg/L  | 1        | 0.00100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.0886 | mg/L  | 1        | 0.100           | 89                  | 77.8 - 121.1       |
| 4-Bromofluorobenzene (4-BFB) |      | 0.0784 | mg/L  | 1        | 0.100           | 78                  | 40.1 - 136         |

**Sample: 181313 - MW-13**

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 54899  
Prep Batch: 46921

Analytical Method: S 8021B  
Date Analyzed: 2008-12-08  
Sample Preparation: 2008-12-06

Prep Method: S 5030B  
Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL      |
|--------------|------|--------------|-------|----------|---------|
| Benzene      |      | 0.0240       | mg/L  | 1        | 0.00100 |
| Toluene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Ethylbenzene |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Xylene       |      | 0.0161       | mg/L  | 1        | 0.00100 |

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| Surrogate                    | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT)       |      | 0.0869 | mg/L  | 1        | 0.100        | 87               | 77.8 - 121.1    |
| 4-Bromofluorobenzene (4-BFB) |      | 0.0775 | mg/L  | 1        | 0.100        | 78               | 40.1 - 136      |

**Sample: 181314 - MW-14**

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 54899  
Prep Batch: 46921

Analytical Method: S 8021B  
Date Analyzed: 2008-12-08  
Sample Preparation: 2008-12-06

Prep Method: S 5030B  
Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL      |
|--------------|------|--------------|-------|----------|---------|
| Benzene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Toluene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Ethylbenzene |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Xylene       |      | <0.00100     | mg/L  | 1        | 0.00100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT)       |      | 0.0881 | mg/L  | 1        | 0.100        | 88               | 77.8 - 121.1    |
| 4-Bromofluorobenzene (4-BFB) |      | 0.0766 | mg/L  | 1        | 0.100        | 77               | 40.1 - 136      |

**Sample: 181315 - MW-15**

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 54899  
Prep Batch: 46921

Analytical Method: S 8021B  
Date Analyzed: 2008-12-08  
Sample Preparation: 2008-12-06

Prep Method: S 5030B  
Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL      |
|--------------|------|--------------|-------|----------|---------|
| Benzene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Toluene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Ethylbenzene |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Xylene       |      | <0.00100     | mg/L  | 1        | 0.00100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike Amount | Percent Recovery | Recovery Limits |
|------------------------------|------|--------|-------|----------|--------------|------------------|-----------------|
| Trifluorotoluene (TFT)       |      | 0.0870 | mg/L  | 1        | 0.100        | 87               | 77.8 - 121.1    |
| 4-Bromofluorobenzene (4-BFB) |      | 0.0753 | mg/L  | 1        | 0.100        | 75               | 40.1 - 136      |

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**Sample: 181316 - MW-16**

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 54899  
Prep Batch: 46921

Analytical Method: S 8021B  
Date Analyzed: 2008-12-08  
Sample Preparation: 2008-12-06

Prep Method: S 5030B  
Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL      |
|--------------|------|--------------|-------|----------|---------|
| Benzene      |      | 0.0147       | mg/L  | 1        | 0.00100 |
| Toluene      |      | 0.00930      | mg/L  | 1        | 0.00100 |
| Ethylbenzene |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Xylene       |      | 0.0165       | mg/L  | 1        | 0.00100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.0933 | mg/L  | 1        | 0.100           | 93                  | 77.8 - 121.1       |
| 4-Bromofluorobenzene (4-BFB) |      | 0.0777 | mg/L  | 1        | 0.100           | 78                  | 40.1 - 136         |

**Sample: 181317 - MW-17**

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 54899  
Prep Batch: 46921

Analytical Method: S 8021B  
Date Analyzed: 2008-12-08  
Sample Preparation: 2008-12-06

Prep Method: S 5030B  
Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | RL<br>Result | Units | Dilution | RL      |
|--------------|------|--------------|-------|----------|---------|
| Benzene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Toluene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Ethylbenzene |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Xylene       |      | <0.00100     | mg/L  | 1        | 0.00100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.0921 | mg/L  | 1        | 0.100           | 92                  | 77.8 - 121.1       |
| 4-Bromofluorobenzene (4-BFB) |      | 0.0745 | mg/L  | 1        | 0.100           | 74                  | 40.1 - 136         |

**Sample: 181318 - MW-18**

Laboratory: Midland  
Analysis: BTEX  
QC Batch: 54899  
Prep Batch: 46921

Analytical Method: S 8021B  
Date Analyzed: 2008-12-08  
Sample Preparation: 2008-12-06

Prep Method: S 5030B  
Analyzed By: AG  
Prepared By: AG



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| Parameter    | Flag | RL<br>Result | Units | Dilution | RL      |
|--------------|------|--------------|-------|----------|---------|
| Benzene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Toluene      |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Ethylbenzene |      | <0.00100     | mg/L  | 1        | 0.00100 |
| Xylene       |      | <0.00100     | mg/L  | 1        | 0.00100 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.0871 | mg/L  | 1        | 0.100           | 87                  | 77.8 - 121.1       |
| 4-Bromofluorobenzene (4-BFB) |      | 0.0742 | mg/L  | 1        | 0.100           | 74                  | 40.1 - 136         |

**Method Blank (1)**      QC Batch: 54892

QC Batch: 54892  
Prep Batch: 46921

Date Analyzed: 2008-12-06  
QC Preparation: 2008-12-06

Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | MDL<br>Result | Units | RL    |
|--------------|------|---------------|-------|-------|
| Benzene      |      | <0.000800     | mg/L  | 0.001 |
| Toluene      |      | <0.000800     | mg/L  | 0.001 |
| Ethylbenzene |      | <0.000500     | mg/L  | 0.001 |
| Xylene       |      | <0.000900     | mg/L  | 0.001 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.0970 | mg/L  | 1        | 0.100           | 97                  | 44.6 - 137.4       |
| 4-Bromofluorobenzene (4-BFB) |      | 0.0944 | mg/L  | 1        | 0.100           | 94                  | 37.1 - 130.9       |

**Method Blank (1)**      QC Batch: 54899

QC Batch: 54899  
Prep Batch: 46921

Date Analyzed: 2008-12-08  
QC Preparation: 2008-12-06

Analyzed By: AG  
Prepared By: AG

| Parameter    | Flag | MDL<br>Result | Units | RL    |
|--------------|------|---------------|-------|-------|
| Benzene      |      | <0.000300     | mg/L  | 0.001 |
| Toluene      |      | <0.000200     | mg/L  | 0.001 |
| Ethylbenzene |      | <0.000500     | mg/L  | 0.001 |
| Xylene       |      | <0.000400     | mg/L  | 0.001 |

| Surrogate                    | Flag | Result | Units | Dilution | Spike<br>Amount | Percent<br>Recovery | Recovery<br>Limits |
|------------------------------|------|--------|-------|----------|-----------------|---------------------|--------------------|
| Trifluorotoluene (TFT)       |      | 0.0900 | mg/L  | 1        | 0.100           | 90                  | 77.2 - 129.1       |
| 4-Bromofluorobenzene (4-BFB) |      | 0.0807 | mg/L  | 1        | 0.100           | 81                  | 69.1 - 132.3       |

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### Laboratory Control Spike (LCS-1)

QC Batch: 54892  
Prep Batch: 46921

Date Analyzed: 2008-12-06  
QC Preparation: 2008-12-06

Analyzed By: AG  
Prepared By: AG

| Param        | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Benzene      | 0.0976        | mg/L  | 1    | 0.100           | <0.000800        | 98   | 71.7 - 120.5  |
| Toluene      | 0.0964        | mg/L  | 1    | 0.100           | <0.000800        | 96   | 75.4 - 118.8  |
| Ethylbenzene | 0.0940        | mg/L  | 1    | 0.100           | <0.000500        | 94   | 73.5 - 118    |
| Xylene       | 0.282         | mg/L  | 1    | 0.300           | <0.000900        | 94   | 72.9 - 118.2  |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param        | LCSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|--------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Benzene      | 0.0955         | mg/L  | 1    | 0.100           | <0.000800        | 96   | 71.7 - 120.5  | 2   | 20           |
| Toluene      | 0.0953         | mg/L  | 1    | 0.100           | <0.000800        | 95   | 75.4 - 118.8  | 1   | 20           |
| Ethylbenzene | 0.0959         | mg/L  | 1    | 0.100           | <0.000500        | 96   | 73.5 - 118    | 2   | 20           |
| Xylene       | 0.288          | mg/L  | 1    | 0.300           | <0.000900        | 96   | 72.9 - 118.2  | 2   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | LCS<br>Result | LCSD<br>Result | Units | Dil. | Spike<br>Amount | LCS<br>Rec. | LCSD<br>Rec. | Rec.<br>Limit |
|------------------------------|---------------|----------------|-------|------|-----------------|-------------|--------------|---------------|
| Trifluorotoluene (TFT)       | 0.0974        | 0.0958         | mg/L  | 1    | 0.100           | 97          | 96           | 38.2 - 131.6  |
| 4-Bromofluorobenzene (4-BFB) | 0.0973        | 0.0971         | mg/L  | 1    | 0.100           | 97          | 97           | 43.9 - 132.4  |

### Laboratory Control Spike (LCS-1)

QC Batch: 54899  
Prep Batch: 46921

Date Analyzed: 2008-12-08  
QC Preparation: 2008-12-06

Analyzed By: AG  
Prepared By: AG

| Param        | LCS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|
| Benzene      | 0.0935        | mg/L  | 1    | 0.100           | <0.00110         | 94   | 84 - 119.7    |
| Toluene      | 0.0939        | mg/L  | 1    | 0.100           | <0.00100         | 94   | 84.9 - 118.2  |
| Ethylbenzene | 0.0926        | mg/L  | 1    | 0.100           | <0.00100         | 93   | 84.4 - 118.6  |
| Xylene       | 0.276         | mg/L  | 1    | 0.300           | <0.00290         | 92   | 84.8 - 117.8  |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param        | LCSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|--------------|----------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Benzene      | 0.0922         | mg/L  | 1    | 0.100           | <0.00110         | 92   | 84 - 119.7    | 1   | 20           |
| Toluene      | 0.0927         | mg/L  | 1    | 0.100           | <0.00100         | 93   | 84.9 - 118.2  | 1   | 20           |
| Ethylbenzene | 0.0929         | mg/L  | 1    | 0.100           | <0.00100         | 93   | 84.4 - 118.6  | 0   | 20           |
| Xylene       | 0.275          | mg/L  | 1    | 0.300           | <0.00290         | 92   | 84.8 - 117.8  | 0   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | LCS<br>Result | LCSD<br>Result | Units | Dil. | Spike<br>Amount | LCS<br>Rec. | LCSD<br>Rec. | Rec.<br>Limit |
|------------------------------|---------------|----------------|-------|------|-----------------|-------------|--------------|---------------|
| Trifluorotoluene (TFT)       | 0.0893        | 0.0888         | mg/L  | 1    | 0.100           | 89          | 89           | 80 - 128.3    |
| 4-Bromofluorobenzene (4-BFB) | 0.0832        | 0.0824         | mg/L  | 1    | 0.100           | 83          | 82           | 67.7 - 136.3  |

**Matrix Spike (MS-1)** Spiked Sample: 181309

QC Batch: 54892  
Prep Batch: 46921

Date Analyzed: 2008-12-06  
QC Preparation: 2008-12-06

Analyzed By: AG  
Prepared By: AG

| Param        | MS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|--------------|--------------|-------|------|-----------------|------------------|------|---------------|
| Benzene      | 0.306        | mg/L  | 1    | 0.100           | 0.2              | 106  | 10 - 160.8    |
| Toluene      | 0.111        | mg/L  | 1    | 0.100           | 0.0162           | 95   | 10 - 160.7    |
| Ethylbenzene | 0.0941       | mg/L  | 1    | 0.100           | 0.0023           | 92   | 10 - 158.3    |
| Xylene       | 0.289        | mg/L  | 1    | 0.300           | 0.0115           | 92   | 10 - 158      |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param        | MSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Benzene      | 0.309         | mg/L  | 1    | 0.100           | 0.2              | 109  | 10 - 160.8    | 1   | 20           |
| Toluene      | 0.112         | mg/L  | 1    | 0.100           | 0.0162           | 96   | 10 - 160.7    | 1   | 20           |
| Ethylbenzene | 0.0951        | mg/L  | 1    | 0.100           | 0.0023           | 93   | 10 - 158.3    | 1   | 20           |
| Xylene       | 0.295         | mg/L  | 1    | 0.300           | 0.0115           | 94   | 10 - 158      | 2   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | MS<br>Result | MSD<br>Result | Units | Dil. | Spike<br>Amount | MS<br>Rec. | MSD<br>Rec. | Rec.<br>Limit |
|------------------------------|--------------|---------------|-------|------|-----------------|------------|-------------|---------------|
| Trifluorotoluene (TFT)       | 0.0949       | 0.0958        | mg/L  | 1    | 0.1             | 95         | 96          | 33.1 - 132.5  |
| 4-Bromofluorobenzene (4-BFB) | 0.0981       | 0.0972        | mg/L  | 1    | 0.1             | 98         | 97          | 37.5 - 136    |

**Matrix Spike (MS-1)** Spiked Sample: 181327

QC Batch: 54899  
Prep Batch: 46921

Date Analyzed: 2008-12-08  
QC Preparation: 2008-12-06

Analyzed By: AG  
Prepared By: AG

| Param        | MS<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit |
|--------------|--------------|-------|------|-----------------|------------------|------|---------------|
| Benzene      | 0.0793       | mg/L  | 1    | 0.100           | <0.00110         | 79   | 77.5 - 121.1  |
| Toluene      | 0.0807       | mg/L  | 1    | 0.100           | <0.00100         | 81   | 78.8 - 119.6  |
| Ethylbenzene | 0.0794       | mg/L  | 1    | 0.100           | <0.00100         | 79   | 77.9 - 120.5  |
| Xylene       | 0.235        | mg/L  | 1    | 0.300           | <0.00290         | 78   | 78 - 119.4    |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Param        | MSD<br>Result | Units | Dil. | Spike<br>Amount | Matrix<br>Result | Rec. | Rec.<br>Limit | RPD | RPD<br>Limit |
|--------------|---------------|-------|------|-----------------|------------------|------|---------------|-----|--------------|
| Benzene      | 0.0820        | mg/L  | 1    | 0.100           | <0.00110         | 82   | 77.5 - 121.1  | 3   | 20           |
| Toluene      | 0.0832        | mg/L  | 1    | 0.100           | <0.00100         | 83   | 78.8 - 119.6  | 3   | 20           |
| Ethylbenzene | 0.0810        | mg/L  | 1    | 0.100           | <0.00100         | 81   | 77.9 - 120.5  | 2   | 20           |
| Xylene       | 0.238         | mg/L  | 1    | 0.300           | <0.00290         | 79   | 78 - 119.4    | 1   | 20           |

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

| Surrogate                    | MS<br>Result | MSD<br>Result | Units | Dil. | Spike<br>Amount | MS<br>Rec. | MSD<br>Rec. | Rec.<br>Limit |
|------------------------------|--------------|---------------|-------|------|-----------------|------------|-------------|---------------|
| Trifluorotoluene (TFT)       | 0.0868       | 0.0873        | mg/L  | 1    | 0.1             | 87         | 87          | 86.6 - 118.9  |
| 4-Bromofluorobenzene (4-BFB) | 0.0786       | 0.0750        | mg/L  | 1    | 0.1             | 79         | 75          | 59.4 - 127.3  |

#### Standard (ICV-1)

QC Batch: 54892

Date Analyzed: 2008-12-06

Analyzed By: AG

| Param        | Flag | Units | ICVs<br>True<br>Conc. | ICVs<br>Found<br>Conc. | ICVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Benzene      |      | mg/L  | 0.100                 | 0.101                  | 101                         | 85 - 115                      | 2008-12-06       |
| Toluene      |      | mg/L  | 0.100                 | 0.100                  | 100                         | 85 - 115                      | 2008-12-06       |
| Ethylbenzene |      | mg/L  | 0.100                 | 0.102                  | 102                         | 85 - 115                      | 2008-12-06       |
| Xylene       |      | mg/L  | 0.300                 | 0.305                  | 102                         | 85 - 115                      | 2008-12-06       |

#### Standard (CCV-1)

QC Batch: 54892

Date Analyzed: 2008-12-06

Analyzed By: AG

| Param        | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Benzene      |      | mg/L  | 0.100                 | 0.0941                 | 94                          | 85 - 115                      | 2008-12-06       |
| Toluene      |      | mg/L  | 0.100                 | 0.0918                 | 92                          | 85 - 115                      | 2008-12-06       |
| Ethylbenzene |      | mg/L  | 0.100                 | 0.0927                 | 93                          | 85 - 115                      | 2008-12-06       |
| Xylene       |      | mg/L  | 0.300                 | 0.278                  | 93                          | 85 - 115                      | 2008-12-06       |

#### Standard (ICV-1)

QC Batch: 54899

Date Analyzed: 2008-12-08

Analyzed By: AG

| Param   | Flag | Units | ICVs<br>True<br>Conc. | ICVs<br>Found<br>Conc. | ICVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|---------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Benzene |      | mg/L  | 0.100                 | 0.0923                 | 92                          | 85 - 115                      | 2008-12-08       |

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*standard continued ...*

| Param        | Flag | Units | ICVs<br>True<br>Conc. | ICVs<br>Found<br>Conc. | ICVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Toluene      |      | mg/L  | 0.100                 | 0.0922                 | 92                          | 85 - 115                      | 2008-12-08       |
| Ethylbenzene |      | mg/L  | 0.100                 | 0.0916                 | 92                          | 85 - 115                      | 2008-12-08       |
| Xylene       |      | mg/L  | 0.300                 | 0.273                  | 91                          | 85 - 115                      | 2008-12-08       |

**Standard (CCV-1)**

QC Batch: 54899

Date Analyzed: 2008-12-08

Analyzed By: AG

| Param        | Flag | Units | CCVs<br>True<br>Conc. | CCVs<br>Found<br>Conc. | CCVs<br>Percent<br>Recovery | Percent<br>Recovery<br>Limits | Date<br>Analyzed |
|--------------|------|-------|-----------------------|------------------------|-----------------------------|-------------------------------|------------------|
| Benzene      |      | mg/L  | 0.100                 | 0.0914                 | 91                          | 85 - 115                      | 2008-12-08       |
| Toluene      |      | mg/L  | 0.100                 | 0.0919                 | 92                          | 85 - 115                      | 2008-12-08       |
| Ethylbenzene |      | mg/L  | 0.100                 | 0.0926                 | 93                          | 85 - 115                      | 2008-12-08       |
| Xylene       |      | mg/L  | 0.300                 | 0.272                  | 91                          | 85 - 115                      | 2008-12-08       |

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| Contact Person: <u>Jason Smith</u>                         |  | E-mail: <u>jsmith@traceanalysis.com</u> |  |
| Invoice to: <u>PLAINS Jason Henry</u>                      |  | Project #: <u>583# 2002-10250</u>       |  |
| (If different from above)                                  |  | Project Name: <u>L.S. Caylor</u>        |  |
| Project Location (including state): <u>Lovington, N.M.</u> |  | Sampler Signature: <u>Paul Vessels</u>  |  |

| LAB #<br>(LAB USE ONLY) | FIELD CODE | # CONTAINERS | Volume / Amount | MATRIX |      |     | PRESERVATIVE METHOD |     |                  |                                |      | SAMPLING |      | TIME | DATE     | Temp °C | REMARKS:                                                                                 |
|-------------------------|------------|--------------|-----------------|--------|------|-----|---------------------|-----|------------------|--------------------------------|------|----------|------|------|----------|---------|------------------------------------------------------------------------------------------|
|                         |            |              |                 | WATER  | SOIL | AIR | SLUDGE              | HCl | HNO <sub>3</sub> | H <sub>2</sub> SO <sub>4</sub> | NaOH | ICE      | NONE |      |          |         |                                                                                          |
| 18309                   | MW-6       | 3            | VOA             | X      |      |     |                     | X   |                  |                                |      |          |      |      | 12/16/98 | 1305    | <b>LAB USE ONLY</b><br>Turn Around Time if different from standard<br>All tests Midland. |
| 310                     | MW-9       | 3            |                 | X      |      |     |                     | X   |                  |                                |      |          |      |      | 1301     |         |                                                                                          |
| 311                     | MW-10      | 3            |                 | X      |      |     |                     | X   |                  |                                |      |          |      |      | 1253     |         |                                                                                          |
| 312                     | MW-11      | 3            |                 | X      |      |     |                     | X   |                  |                                |      |          |      |      | 1242     |         |                                                                                          |
| 313                     | MW-13      | 3            |                 | X      |      |     |                     | X   |                  |                                |      |          |      |      | 1247     |         |                                                                                          |
| 314                     | MW-14      | 3            |                 | X      |      |     |                     | X   |                  |                                |      |          |      |      | 1312     |         |                                                                                          |
| 315                     | MW-15      | 3            |                 | X      |      |     |                     | X   |                  |                                |      |          |      |      | 1318     |         |                                                                                          |
| 316                     | MW-16      | 3            |                 | X      |      |     |                     | X   |                  |                                |      |          |      |      | 1318     |         |                                                                                          |
| 317                     | MW-17      | 3            |                 | X      |      |     |                     | X   |                  |                                |      |          |      |      | 1312     |         |                                                                                          |
| 318                     | MW-18      | 3            |                 | X      |      |     |                     | X   |                  |                                |      |          |      |      | 1250     |         |                                                                                          |

| Relinquished by:   | Company:             | Date:           | Time:       | Received by:        | Company:     | Date:          | Time:       | Temp °C:    | REMARKS:           |
|--------------------|----------------------|-----------------|-------------|---------------------|--------------|----------------|-------------|-------------|--------------------|
| <u>Jason Smith</u> | <u>TraceAnalysis</u> | <u>12/16/98</u> | <u>0815</u> | <u>Paul Vessels</u> | <u>Trace</u> | <u>12-5-98</u> | <u>0815</u> | <u>3.42</u> | All tests Midland. |
| Relinquished by:   | Company:             | Date:           | Time:       | Received by:        | Company:     | Date:          | Time:       | Temp °C:    |                    |
| Relinquished by:   | Company:             | Date:           | Time:       | Received by:        | Company:     | Date:          | Time:       | Temp °C:    |                    |

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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Carrier # Carry-in