AP - 96

STAGE 1 & 2 REPORTS

DATE: August 2010

PLAINS
PIPELINE, L.P.

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August 19, 2010

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. Lovington Gathering WTI
NMOCD Reference # 1R-838 / AP-96
Unit Letter H 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 *Remediation Summary and Soil Closure Request*, dated August 2010, for the Lovington Gathering WTI site. This site is located in Section 6 of Township 17 South, and Range 37 East of Lea County, New Mexico. This document details the soil remediation activities performed at the site.

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

Sincerely,

Jason Henry

Jason Henry
Remediation Coordinator
Plains Pipeline, L.P.

CC: Larry Johnson, NMOCD, Hobbs Office

Enclosure

Basin Environmental Consulting, LLC

2800 Plains Highway
P. O. Box 381
Lovington, New Mexico 88260
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Effective Solutions

REMEDIATION SUMMARY

AND SOIL CLOSURE REQUEST

PLAINS PIPELINE, L.P. (231735)
Lovington Gathering WTI
Lea County, New Mexico
Plains SRS # 2006-142
UNIT LTR "H" (SE/NE), Section 6, Township 17 South, Range 37 East
Latitude 32° 51' 56.0" North, Longitude 103° 17' 07.2" West
NMOCD Reference # 1RP-838 / AP-96

Prepared For:

Plains Pipeline, L.P.
333 Clay Street
Suite 1600
Houston, Texas 77002

Prepared By:
Basin Environmental Consulting, LLC
2800 Plains Highway
Lovington, New Mexico 88260

August 2010

Joel W. Lowry
Project Manager

Camille J. Bryant
Project Manager

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APPENDICES

1.0 INTRODUCTION

Basin Environmental Consulting, LLC (Basin), on behalf of Plains Pipeline, L.P. (Plains), has prepared this Remediation Summary and Soil Closure Request for the release site known as Lovington Gathering WTI (SRS # 2006-142). The legal description of the site is SE¼, NE¼ Section 6, Township 17 South, Range 37 East in Lea County, New Mexico. The site latitude is 32° 51' 56.0" North and the site longitude is 103° 17' 07.2" West. Please reference Figure 1 for a Site Location Map and Figure 2 for a Site and Sample Location Map. The Release Notification and Corrective Action (Form C-141) is provided as Appendix D.

On April 21, 2006, Basin responded to the pipeline release on behalf of Plains. During initial response activities the crude oil release was clamped and contained under the direction of Plains personnel. The excavated soil was stockpiled on 6-mil plastic sheeting to mitigate hydrocarbon impact to the underlying soil. The Release Notification and Corrective Action (Form C-141) indicated approximately twelve (12) barrels of crude oil was released from the Plains pipeline and eight (8) barrels were recovered, resulting in a net loss of four (4) barrels of crude oil. The cause of the release was attributed to internal corrosion of the pipeline while purging the line. The excavated area was fenced and is characterized by a Plains pipeline right-of-way adjacent to an idled Plains pump station; the release occurred in a pasture containing various oil and gas production facilities. The release resulted in a surface stain measuring approximately thirty (30) feet in length by twenty-seven (27) feet in width. General photographs of the site are provided as Appendix C.

2.0 NMOCD SITE CLASSIFICATION

The depth to groundwater on-site is approximately seventy-five (75) feet bgs. On-site drilling activities indicate the soil is impacted to groundwater in the vicinity of the release point, the distance between groundwater and the deepest extent of impact results in 20 points being assigned to the Lovington Gathering WTI release site as a result of this criterion.

The water well database, maintained by the New Mexico Office of the State Engineer (NMOSE), was accessed to determine the location and type of nearby registered water wells in the area. The database indicated there is one (1) water well less than 1,000 feet from the release, resulting in 20 points being assigned to this site as a result of this criterion.

There are no surface water bodies located within 1,000 feet of the site. Based on the NMOCD ranking system no points will be assigned to the site as a result of the criterion. The Guidelines indicate the Lovington Gathering WTI release site has a ranking score of 40. Based on this score, the soil remediation levels for a site with a ranking score of >19 points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 100 mg/Kg (ppm)

3.0 SUMMARY OF REMEDIATION ACTIVITIES

Following the initial excavation activities, field screening using a photo ionization detector (PID) indicated elevated concentrations of volatile organic compounds (VOC's) remained in the floor and sidewalls of the excavation. Approximately 200 cubic yards (cy) of impacted soil was excavated and stockpiled on a 6-ml poly-liner adjacent to the excavation, pending final disposition.

On April 24, 2006, eleven (11) soil samples were collected from the floor and sidewalls of the excavation ranging in depth from approximately one (1) to four (4) feet bgs. The soil samples were field screened using a PID, the results of the field screening suggested VOC's exceeded the NMOCD regulatory standard of 100 mg/Kg.

On April 28, 2006, five (5) delineation trenches were excavated at the release point, west cross gradient, east cross gradient and in down gradient positions with regard to the release point, to evaluate the extent of crude oil impact. Soil samples were collected at depths ranging from approximately five (5) to nineteen (19) feet bgs and field screened with a PID. The PID results suggested elevated concentrations of VOC's were present in the vicinity of the release point and east cross gradient delineation trenches.

On July 18-24, 2006, eleven (11) soil borings were advanced at the site utilizing an air rotary drill rig, operated by Straub Corporation, Stanton, Texas, to evaluate the vertical and horizontal extent of crude oil impact. The eleven (11) soil borings were advanced to depths ranging from approximately thirty (30) to seventy-five (75) feet bgs. Soil samples were collected at five (5) foot drilling intervals and field screened with a PID. No visual observations of phase separated hydrocarbons (PSH) were encountered during the advancement of the soil borings. Selected soil samples were analyzed for concentrations of benzene, toluene, ethylbenzene and xylene (BTEX) by Method EPA 8021B, total petroleum hydrocarbons (TPH) by Method SW8015M and SW8015M Extended. A summary of analytical results is provided in Table 1, Concentrations of Benzene, BTEX, TPH and Chlorides in Soil. Laboratory analytical reports are provided on a compact disk in Appendix B.

Soil Boring SB-1 was advanced in an up gradient position approximately six (6) feet north of the north sidewall of the initial excavation. The soil boring was advanced to a total depth of approximately thirty (30) feet bgs. Soil samples collected at five (5), ten (10), twenty (20) and thirty (30) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory (method detection limit) MDL of 10 mg/Kg and 100 mg/Kg, respectively, for each of the soil samples submitted. Details and descriptions of soil boring logs are provided in Appendix A, Soil Boring and Monitor Well Logs.

Soil Boring SB-2 was advanced in a west cross gradient position approximately six (6) feet from the west ramp of the initial excavation. The soil boring was advanced to a total depth of approximately thirty (30) feet bgs. Soil samples collected at five (5), ten (10), twenty (20) and thirty (30) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX concentrations were less than NMOCD regulatory standard for each of the soil samples

submitted. TPH concentrations were less than NMOCD regulatory standard for each of the submitted soil samples with the exception of soil sample SB-2 @ 5', which exhibited a concentration of 442 mg/Kg.

Soil Boring SB-3 was advanced at the release point approximately six (6) feet south of the initial excavation. The soil boring was advanced to a total depth of approximately seventy-five (75) feet bgs. Soil samples collected at five (5), ten (10), fifteen (15), twenty (20), twenty-five (25), thirty-five (35), forty-five (45), fifty-five (55), sixty-five (65) and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX concentrations were less than the NMOCD regulatory standard for each of the soil samples submitted. TPH concentrations ranged from 40.7 mg/Kg for soil sample SB-3 @ 75' to 2,429 mg/Kg for soil sample SB-3 @ 10'.

Soil Boring SB-4 was advanced in an east cross gradient position approximately six (6) feet from the initial excavation. The soil boring was advanced to a total depth of approximately seventy-five (75) feet bgs. Soil samples collected at five (5), ten (10), fifteen (15), twenty (20), twenty-five (25), thirty-five (35), forty-five (45), fifty-five (55), sixty-five (65) and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX concentrations were less than the NMOCD regulatory standard for each of the submitted soil samples. TPH concentrations ranged from 270.5 mg/Kg for soil sample SB-4 @ 5' to 1,721.5 mg/Kg for soil sample SB-4 @ 55'.

Soil Boring SB-5 was advanced in the east cross gradient position approximately thirty (30) feet from the initial excavation. The soil boring was advanced to a total depth of approximately seventy-five (75) feet bgs. Soil samples collected at five (5), ten (10), fifteen (15), twenty (20), twenty-five (25), thirty-five (35), forty-five (45), fifty-five (55), sixty-five (65) and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX concentrations were less than the NMOCD regulatory standard for each of the submitted soil samples. TPH concentrations ranged from 98.9 mg/Kg for soil sample SB-5 @ 75' to 3,027 mg/Kg for soil sample SB-5 @ 15'.

Soil Boring SB-6 was advanced in an east cross gradient position approximately sixty (60) feet from the initial excavation. The soil boring was advanced to a total depth of approximately seventy-five (75) feet bgs. Soil samples collected at five (5), ten (10), fifteen (15), twenty (20), twenty-five (25), thirty-five (35), forty-five (45), fifty-five (55), sixty-five (65) and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX concentrations were less than NMOCD regulatory standard for each of the submitted soil samples. TPH concentrations ranged from 15.5 mg/Kg for soil sample SB-6 @ 75' to 2,507 mg/Kg for soil sample SB-6 @ 10'.

Soil Boring SB-7 was advanced in an east cross gradient position approximately eighty-five (85) feet from the initial excavation. The soil boring was advanced to a total depth of approximately thirty (30) feet bgs. Soil samples collected at five (5), ten (10), twenty (20) and thirty (30) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples.

Soil Boring SB-8 was advanced in a south down gradient position approximately twenty-five (25) feet from the initial excavation. The soil boring was advanced to a total depth of approximately thirty (30) feet bgs. Soil samples collected at five (5), ten (10), twenty (20) and thirty (30) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples.

Soil Boring SB-9 was advanced in a northeast up gradient position approximately seventy-five (75) feet from the initial excavation. The soil boring was advanced to a total depth of approximately thirty (30) feet bgs. Soil samples collected at five (5), ten (10), twenty (20) and thirty (30) feet bgs were submitted for laboratory analysis. Laboratory results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples.

Soil Boring SB-10 was advanced in a southeast down gradient position approximately seventy (70) feet from the initial excavation. The soil boring was advanced to a total depth of approximately seventy-five (75) feet bgs. Soil samples collected at five (5), ten (10), fifteen (15), twenty (20), twenty-five (25), thirty-five (35), forty-five (45), fifty-five (55), sixty-five (65) and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX concentrations were less than NMOCD regulatory standard for each of the submitted soil samples. TPH concentrations ranged from 170.4 mg/Kg for the soil sample SB-10 @ 75' to 4,267 mg/Kg for soil sample SB-10 @ 20'. Soil sample SB-10 @ 20' was submitted for analysis of chloride concentrations utilizing method E 300, the analytical results indicated a chloride concentration of 73.9 mg/Kg.

Soil Boring SB-11 was advanced in a southeast down gradient position approximately one hundren fifteen (115) feet from the initial excavation. The soil boring was advanced to a total depth of approximately thirty (30) feet bgs. Soil samples collected at five (5), ten (10), twenty (20) and thirty (30) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples.

On October 11, 2006, monitor well MW-1 was installed in an up gradient position approximately sixty (60) feet from the initial excavation to evaluate the potential impact to the groundwater. The monitor well was advanced to a total depth of approximately eighty-eight (88) feet bgs. Soil samples were collected at five (5) foot drilling intervals and field screened with a PID. The selected soil samples were analyzed for concentrations of BTEX and TPH. Soil samples collected at five (5), ten (10), fifteen (15), twenty (20), twenty-five (25), thirty-five (35), forty-five (45), fifty-five (55), sixty-five (65) and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples.

On October 11, 2006, monitor well MW-2 was installed in a down gradient position approximately sixty (60) feet from the initial excavation. The monitor well was advanced to a total depth of approximately eighty-eight (88) feet bgs. Soil samples collected at five (5), ten (10), fifteen (15), twenty (20), twenty-five (25), thirty-five (35), forty-five (45), fifty-five (55), sixty-five (65) and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory

analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL in each of the submitted soil samples.

On October 12, 2006, monitor well MW-3 was installed in a down gradient position approximately one hundred fifteen (115) feet from the initial excavation. The monitor well was advanced to a total depth of approximately eighty-eight (88) feet bgs. Soil samples collected at five (5), ten (10), fifteen (15), twenty (20), twenty-five (25), thirty-five (35), forty-five (45), fifty-five (55), sixty-five (65) and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX concentrations were less than NMOCD regulatory standards for each of the soil samples submitted. TPH concentrations were less than NMOCD regulatory standard for each of the submitted soil samples with the exception soil sample MW-3 @ 55' and MW-3 @ 75', which exhibited concentrations of 2,076 mg/Kg and 121 mg/Kg, respectively.

On November 22, 2006, monitor well MW-4 was installed in an up and cross gradient position approximately one hundred twenty (120) feet west of the release point. The monitor well was advanced to a total depth of approximately ninety (90) feet bgs. Soil samples collected at five (5), ten (10), fifteen (15), twenty (20), twenty-five (25), thirty-five (35), forty-five (45), fifty-five (55), sixty-five (65) and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples.

On November 27, 2006, monitor well MW-5 was installed in an up and cross gradient position approximately one hundred ninety (190) feet east of the release point. The monitor well was advanced to a total depth of approximately ninety (90) feet bgs. Soil samples collected at five (5), ten (10), fifteen (15), twenty (20), twenty-five (25), thirty-five (35), forty-five (45), fifty-five (55), sixty-five (65) and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples.

On November 27, 2006, monitor well MW-6 was installed in a down gradient position approximately one hundred ninety (190) feet southeast of the release point. The monitor well was advanced to a total depth of approximately ninety (90) feet bgs. Soil samples collected at five (5), ten (10), fifteen (15), twenty (20), twenty-five (25), thirty-five (35), forty-five (45), fifty-five (55), sixty-five (65) and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples.

On November 28, 2006, monitor well MW-7 was installed in a down gradient position approximately two hundred sixty (260) feet southeast of the release point. The monitor well was advanced to a total depth of approximately ninety (90) feet bgs. Soil samples collected at five (5), ten (10), fifteen (15), twenty (20), twenty-five (25), thirty-five (35), forty-five (45), fifty-five (55), sixty-five (65) and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples.

On February 7, 2006, monitor well MW-8 was installed in a down gradient position

approximately three hundred eighty (380) feet east-southeast of the release point. The monitor well was advanced to a total depth of approximately ninety-one (91) feet bgs. Soil samples collected at ten (10), twenty-five (25), fifty (50), and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX concentrations were less than the appropriate laboratory MDL in each of the soil samples submitted. Laboratory analytical results indicated TPH concentrations were less than NMOCD regulatory standard for each of the submitted soil samples with the exception of soil sample MW-8 @ 75', which exhibited a concentration of 101 mg/Kg.

On August 13, 2007, monitor well MW-9 was installed in a down gradient position approximately three hundred ninety (390) feet southeast of the release point. The monitor well was advanced to a total depth of approximately ninety (90) feet bgs. Soil samples collected at five (5), fifteen (15), twenty-five (25), forty-five (45), sixty-five (65), seventy (70), and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical results indicated BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples.

On October 27, 2009, monitor well MW-10 was installed in a down gradient position approximately four hundred seventy (470) feet southeast of the release point. The monitor well was advanced to a total depth of approximately ninety-two (92) feet bgs. Soil samples collected at five (5), fifteen (15), twenty-five (25), forty-five (45), sixty-five (65), seventy (70), and seventy-five (75) feet bgs were submitted for laboratory analysis. Laboratory analytical indicated BTEX and TPH concentrations were less NMOCD regulatory standards for each of the submitted soil samples.

On February 9, 2010, Plains received NMOCD approval of the Stage 1 and Stage 2 Abatement Plan for the Lovington Gathering WTI release site submitted in August of 2008.

On March 9, 2010, remedial activities commenced at the location. The six (6) inch pipeline was hand spotted and an excavator was utilized to advance the initial excavation to a depth of fifteen (15) feet bgs. The excavation sidewalls were advanced to the north, south, east and west until field test suggested TPH concentrations were less than NMOCD regulatory standards. The final dimensions of the excavation were approximately one hundred twenty (120) feet in width by one hundred twenty (120) feet length and fifteen (15) feet in depth. Excavated material was screened and stockpiled on location in 500 cy cells.

On April 1, 2010, two (2) confirmation soil samples (East S/W 1 @ 14' and East S/W 2 @ 14') were collected from the excavation and submitted to the laboratory for analysis. TPH concentrations ranged from 19.6 mg/Kg for soil sample East S/W 1 @ 14' to 2,559 mg/Kg for soil sample East S/W 2 @ 14'. The excavation was advanced in the area represented by soil sample East S/W 2 @ 14'.

On April 7, 2010, four (4) confirmation soil samples (N. S/W @ 14.5', W. S/W @ 14', S. S/W @ 6.5' and S. SW @ 14') were collected from the excavation and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples.

On April 16, 2010, one (1) soil sample (East Trench Sample 1 @ 5') was collected from the excavation and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriate laboratory MDL. Laboratory analytical results indicated the TPH concentration was 20 mg/Kg.

On April 20, 2010, three (3) confirmation soil samples (S. SW-1 @ 14.5', N. S/W-1 @ 14.5' and W S/W-1 @ 14') were collected from the excavation and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples.

On April 20, 2010, one (1) five-point composite stockpile soil sample (Stockpile) was collected and submitted to the laboratory for analysis of benzene, BTEX and TPH. Laboratory analytical results indicated benzene concentrations were less than the appropriate laboratory MDL for soil sample Stockpile. The BTEX concentration was 0.261 mg/Kg. The TPH concentration was 872.6 mg/Kg. Soil represented by soil sample Stockpile was deemed suitable for use as backfill material.

On April 28 and 29, 2010, four (4) confirmation soil samples (East S/W-3 @ 14.5', S.W. S/W @ 14.5', West S/W-2 @ 14.5' and E. S/W-2A @ 14') were collected from the excavation and submitted to the laboratory for analysis. Benzene and BTEX concentrations were less than the appropriate laboratory MDL for each of the submitted soil samples. Laboratory analytical results indicated TPH concentrations were less than NMOCD regulatory standard for each of the submitted soil samples with exception of soil sample West S/W-2 @ 14.5', which exhibited a concentration of 218.3 mg/Kg. The excavation was advanced in the area represented by soil sample West S/W-2 @ 14.5'.

On May 5, 2010, one (1) confirmation soil sample (West S/W-2A @ 14.5') was collected from the excavation and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL.

On May 5, 2010, five (5) five-point composite stockpile soil samples (SP-1, SP-2, SP-3, SP-4 and SP-5) were collected and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene concentrations ranged from less than the appropriate laboratory MDL for soil samples SP-1, SP-2 and SP-5 to 0.0541 mg/Kg for soil sample SP-4. BTEX concentrations ranged from 0.9718 mg/Kg for soil sample SP-2 to 4.819 for soil sample SP-1. TPH concentrations were 1,626.0 mg/Kg for soil sample SP-1, 883.3 mg/Kg for soil sample SP-2, 1,332.4 mg/Kg for soil sample SP-3, 1,348.0 mg/Kg for soil sample SP-4 and 1,257.4 mg/Kg for soil sample SP-5. Stockpiled soil represented by soil samples SP-1, SP-3, SP-4 and SP-5 was blended on-site. Soil represented by soil sample SP-2 was deemed suitable for use as backfill material.

On May 10, 2010, three (3) five-point composite stockpile soil samples (SP-6, SP-7 and SP-8) were collected and submitted to the laboratory for analysis. Laboratory analytical results indicated benzene concentrations were less than the appropriate laboratory MDL for each soil sample submitted. BTEX concentrations ranged from 0.1092 mg/Kg for soil sample SP-7 to 1.5989 mg/Kg for soil sample SP-6. TPH concentrations were 2,300 mg/Kg for soil sample SP-

7, 1,156.4 mg/Kg for soil sample SP-8, and 1,474 mg/Kg for soil sample SP-8. Stockpiled soil represented by soil samples SP-6, SP-7 and SP-8 was blended on-site.

On May 19, 2010, one (1) five-point composite stockpile soil sample (SP-1A) was collected and submitted to the laboratory for analysis of TPH concentrations. Laboratory analytical results indicated the concentration of TPH was 899 mg/Kg. Soil represented by soil sample SP-1A was deemed suitable for use as backfill material.

On May 24, 2010, six (6) five-point composite stockpile soil samples (SP-3, SP-4, SP-5, SP-6, SP-7 and SP-8) were collected and submitted to the laboratory for analysis of TPH concentrations. TPH concentrations were 1,077 mg/Kg for soil sample SP-3, 746 mg/Kg for soil sample SP-4, 1,052 mg/Kg for soil sample SP-5, 7,397 mg/Kg for soil sample SP-6, 1,388 mg/Kg for soil sample SP-7, and 1,265 mg/Kg for soil sample SP-8. Stockpiled soil represented by soil samples SP-3, SP-5, SP-6, SP-7 and SP-8 was screened and treated with water soluble fertilizer. Soil represented by soil sample SP-4 was deemed suitable for use as backfill material.

On May 27, 2010, a twenty (20) mil polyurethane liner was installed in the excavation. Prior to the liner installation, a six (6) inch layer of sand was placed in the excavation to protect the integrity of the liner during installation and backfilling activities. Following installation of the liner, the excavation was backfilled with screened material deemed suitable for use as backfill. Backfill was compacted in 12-inch lifts using water and heavy equipment.

On May 27, 2010, one (1) five-point composite stockpile soil sample (SP-8A) was collected and submitted to the laboratory for analysis of TPH concentrations. Laboratory analytical results indicated the concentration of TPH was 541 mg/Kg. Soil represented by soil sample SP-8A was deemed suitable for use as backfill material.

On May 28, 2010, two (2) five-point composite stockpile soil samples (SP-3A and SP-6A) were collected and submitted to the laboratory for analysis of TPH concentrations. TPH concentrations were 551 mg/Kg for soil sample SP-3A and 1,308 mg/Kg for soil sample SP-6A. Stockpiled soil represented by soil sample SP-6A was blended on-site. Soil represented by soil sample SP-3A was deemed suitable for use as backfill material.

On June 3, 2010, one (1) five-point composite stockpile soil sample (SP-5A) was collected and submitted to the laboratory for analysis of TPH concentrations. Laboratory analytical results indicated the concentration of TPH was 1,171 mg/Kg. Soil represented by soil sample SP-5A was reblended.

On June 7, 2010, two (2) five-point composite stockpile soil samples (SP-6B and SP-7A) were collected and submitted to the laboratory for analysis of TPH concentrations. TPH concentrations were 799 mg/Kg for soil sample SP-6B and 1,423 mg/Kg for soil sample SP-7A. Stockpiled soil represented by soil sample SP-7A was blended on-site. Soil represented by soil sample SP-6B was deemed suitable for use as backfill material.

On June 11, 2010, two (2) five-point composite stockpile soil samples (SP-5B and SP-7B) were collected and submitted to the laboratory for analysis of TPH concentrations. TPH concentrations were 717 mg/Kg for soil sample SP-5B and 1,154 mg/Kg for soil sample SP-7B.

Stockpiled soil represented by soil sample SP-7B was reblended. Soil represented by soil sample SP-5B was deemed suitable for use as backfill material.

On June 17, 2010, one (1) five-point composite stockpile soil sample (SP-7C) was collected and submitted to the laboratory for analysis of TPH concentrations. Laboratory analytical results indicated the concentration of TPH was 1,550 mg/Kg. Soil represented by soil sample SP-7C was reblended and treated with water soluble fertilizer.

On June 24, 2010, one (1) five-point composite stockpile soil sample (SP-7D) was collected and submitted to the laboratory for analysis of TPH concentrations. Laboratory analytical results indicated the concentration of TPH was 1,519 mg/Kg. Soil represented by soil sample SP-7D was reblended and treated with water soluble fertilizer.

On July 16, 2010, one (1) five-point composite stockpile soil sample (SP-7E) was collected and submitted to the laboratory for analysis of TPH concentrations. Laboratory analytical results indicated the concentration of TPH was 177 mg/Kg. Soil represented by soil sample SP-7E was deemed suitable for use as backfill material.

On July 26, 2010, Basin completed backfilling the excavation. Backfill was compacted in 12-Inch lifts and contoured to fit the surrounding topography. Upon completing backfilling activities the site was reseeded with seed mixture approved by the land owner.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil Samples were delivered to Xenco Laboratories, Inc., of Odessa, Texas for BTEX and/or TPH analyses using the methods described below. Soil samples were analyzed for BTEX and/or TPH concentrations within fourteen (14) days following the collection date.

The soil samples were analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH concentrations in accordance with modified EPA Method 8015M GRO/DRO

4.2 Decontamination of Equipment

Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use and between each sample, the sampling equipment was cleaned with Liqui-Nox® detergent and rinsed with distilled water.

4.3 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody (COC) form. These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

5.0 SITE CLOSURE REQUEST

Based on the analytical results of confirmation soil samples, Basin recommends Plains provide the NMOCD a copy of this Remediation Summary and Soil Closure Request and request the NMOCD grant soil closure to the Lovington Gathering WTI release site. Groundwater monitoring and remediation activities will continue to be conducted in accordance with the *Amendment to Stage II Abatement Plan* submitted August 8, 2010.

6.0 LIMITATIONS

Basin Environmental Consulting, LLC has prepared this Remediation Summary and Soil Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.

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

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

7.0 DISTRIBUTION:

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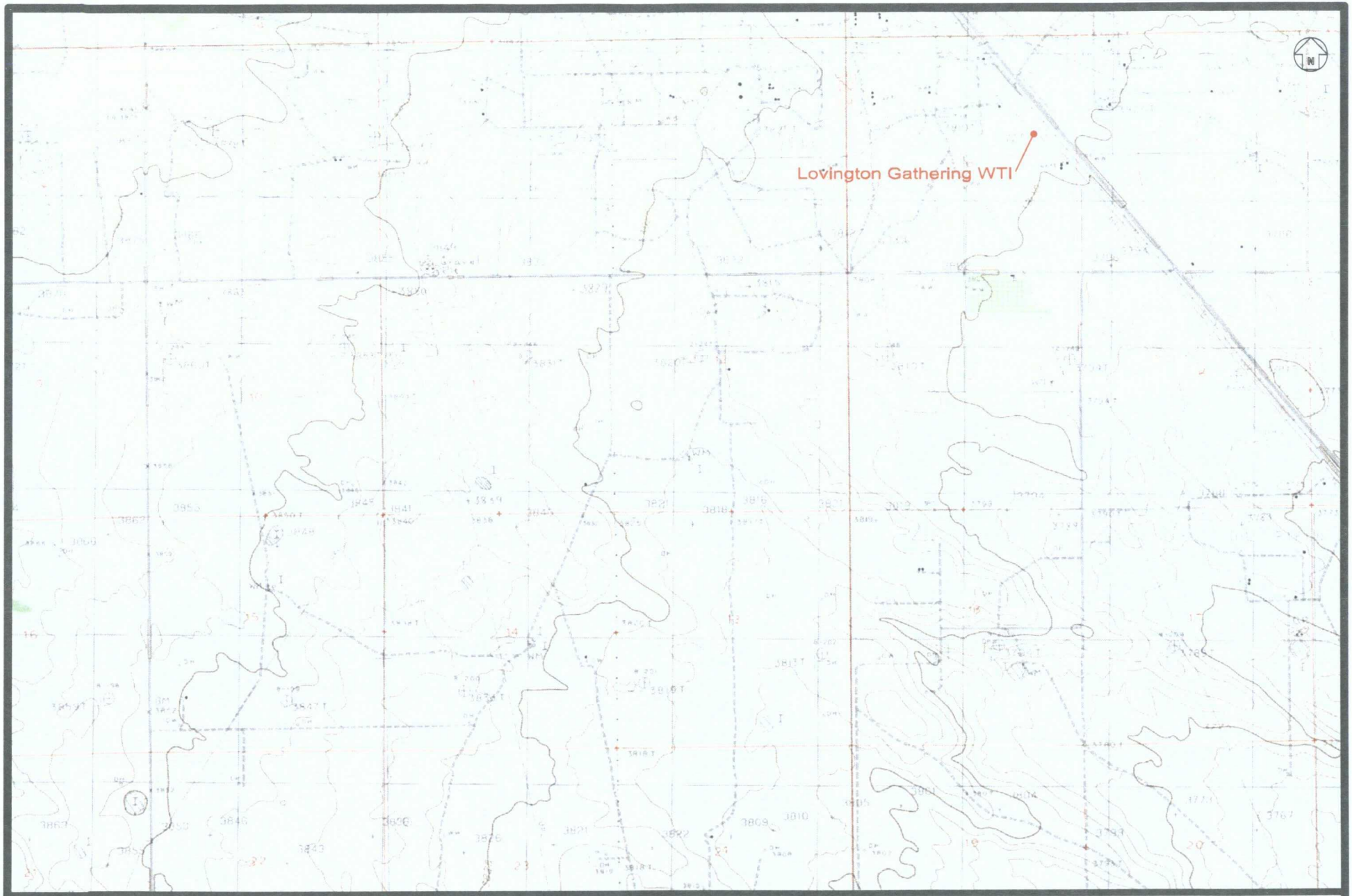
Figures



3000 1500 0 1500 3000

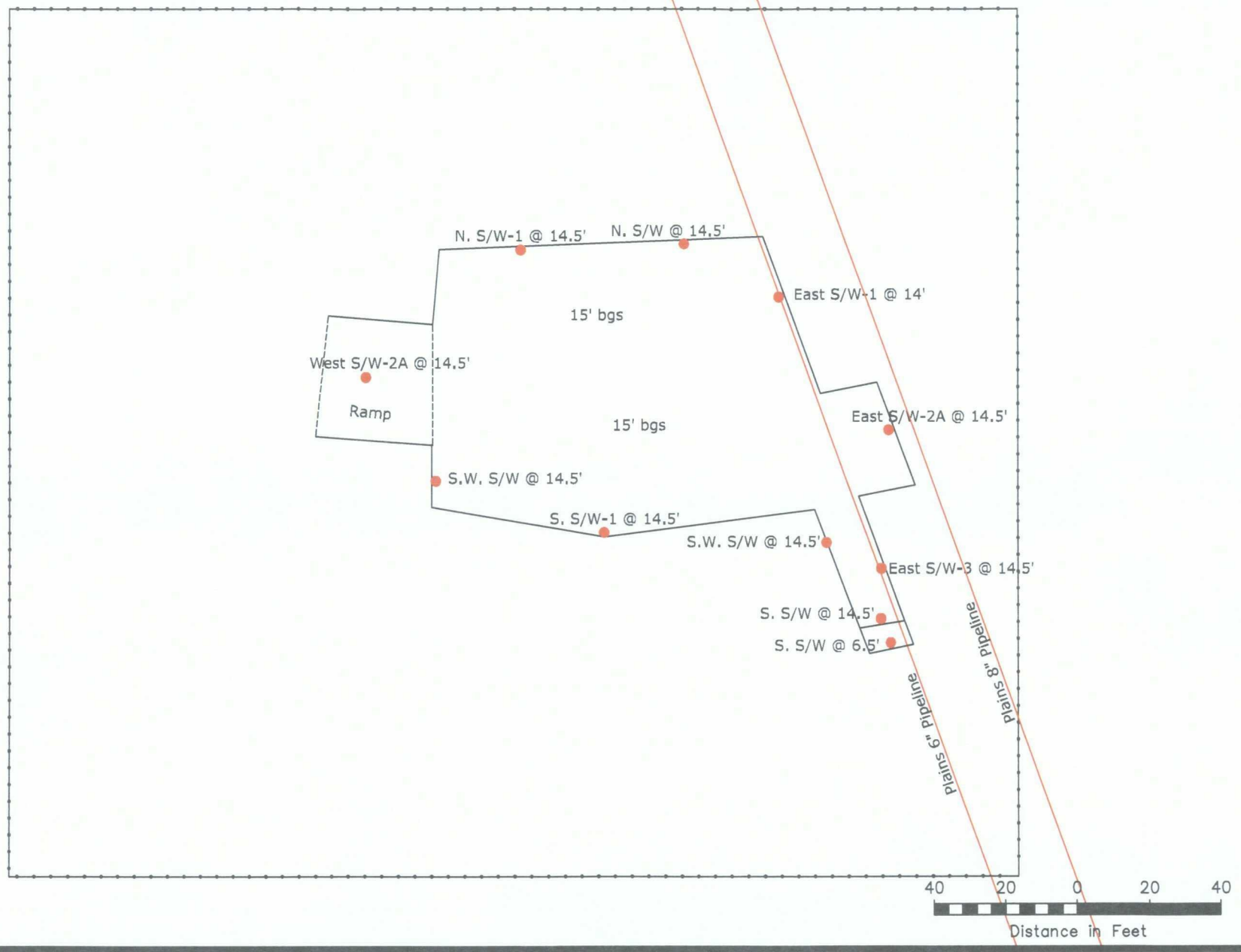
Distance in Feet

Unit Letter "H", Section 6, Township 17 South, Range 37 East

Figure 1
Site Location Map
Lovington Gathering WTI
Plains Pipeline, L.P.
Lea County, New Mexico
AP-96

Basin Environmental Consulting

Prep By: CDS	Checked By: CDS
December 22, 2009	Scale 1"=3000'



Legend:

- Excavation Extents
- Pipeline
- Fence
- Sample Location

Figure 2
Site and Sample Location Map
Plains Pipeline, L.P.
Lovington Gathering WTI
Lea County, NM

1AP-96

Basin Environmental Consulting

Prep By: JWL	Checked By: CJB
August 6, 2010	Scale 1"=40'

Tables

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDES IN SOIL

PLAINS MARKETING, L.P.
LOVINGTON GATHERING WTI
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #AP-96

SAMPLE LOCATION	SAMPLE DEPTH (below ground surface)	SAMPLE DATE	METHOD: EPA 8021B						METHOD: SW8015M, Ext.			TOTAL TPH (mg/Kg)	E 300
			BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENE (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	DRO Ext. (mg/Kg)		CHLORIDES (mg/Kg)
SB-1 5'	5' bgs	07/18/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-1 10'	10' bgs	07/18/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-1 20'	20' bgs	07/18/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-1 30'	30' bgs	07/18/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-2 5'	5' bgs	07/18/06	<0.025	<0.025	<0.025	0.065	<0.025	<0.025	27.3	414.7	--	**442**	--
SB-2 10'	10' bgs	07/18/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-2 20'	20' bgs	07/18/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-2 30'	30' bgs	07/18/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-3 5'	5' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	43.6	1,021.0	--	**1,064.6**	--
SB-3 10'	10' bgs	07/19/06	<0.025	<0.025	0.174	0.232	0.052	0.458	225	2,204.0	--	**2,429**	--
SB-3 15'	15' bgs	07/19/06	<0.025	<0.025	0.044	0.093	0.030	0.167	152	1,969.0	--	**2,121**	--
SB-3 20'	20' bgs	07/19/06	<0.025	<0.025	0.036	0.063	<0.025	0.099	153	2,012.0	--	**2,165**	--
SB-3 25'	25' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	76.9	--	**76.9**	--
SB-3 35'	35' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	170.2	--	**170.2**	--
SB-3 45'	45' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	409.8	--	**409.8**	--
SB-3 55'	55' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	804.9	--	**804.9**	--
SB-3 65'	65' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	15	540.8	--	**555.8**	--
SB-3 75'	75' bgs	07/19/06	<0.025	<0.025	<0.025	0.036	<0.025	0.036	<10.0	40.7	--	**40.7**	--
SB-4 5'	5' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	270.5	--	**270.5**	--
SB-4 10'	10' bgs	07/19/06	<0.025	0.029	0.164	0.552	0.132	0.877	98.6	836.2	--	**934.8**	--
SB-4 15'	15' bgs	07/19/06	<0.025	<0.025	0.066	0.160	0.082	0.308	133	1,356.0	--	**1,489**	--
SB-4 20'	20' bgs	07/19/06	<0.025	0.068	0.112	0.257	0.069	0.506	101	1,024.0	--	**1,125**	--
SB-4 25'	25' bgs	07/19/06	<0.025	<0.025	<0.025	0.026	<0.025	0.026	65.9	1,492.0	--	**1,557.9**	--
SB-4 35'	35' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	46.4	1,043.1	--	**1,089.5**	--
SB-4 45'	45' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	29.5	980.9	--	**1,010.4**	--
SB-4 55'	55' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	80.5	1,641.0	--	**1,721.5**	--
SB-4 65	65' bgs	07/19/06	<0.025	<0.025	<0.025	0.025	<0.025	0.025	56	1,199.0	--	**1,255**	--
SB-4 75'	75' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	281.3	--	**281.3**	--
SB-5 5'	5' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	18.3	664.0	--	**682.3**	--
SB-5 10'	10' bgs	07/19/06	<0.025	0.116	0.730	0.884	0.447	2.177	322	2,093.0	--	**2,415**	--
SB-5 15'	15' bgs	07/19/06	<0.025	0.186	0.744	2.12	1.01	4.06	450	2,577.0	--	**3,027**	--
SB-5 20'	20' bgs	07/19/06	<0.025	0.135	0.479	1.01	0.633	2.257	343	2,148.0	--	**2,491**	--
SB-5 25'	25' bgs	07/19/06	<0.025	0.097	0.263	0.519	0.326	1.205	266	1,666.0	--	**1,932**	--
SB-5 35'	35' bgs	07/19/06	<0.025	<0.025	<0.025	0.044	<0.025	0.044	60.8	1,196.0	--	**1,256.8**	--
SB-5 45'	45' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	71.4	1,470.0	--	**1,541.4**	--
SB-5 55'	55' bgs	07/19/06	<0.025	<0.025	<0.025	0.026	<0.025	0.026	135	1,951.0	--	**2,086**	--
SB-5 65'	65' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	29.9	697.3	--	**727.2**	--
SB-5 75'	75' bgs	07/19/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	10.4	88.5	--	**98.9**	--
SB-6 5'	5' bgs	07/20/06	<0.025	<0.025	<0.025	0.029	<0.025	0.029	78.8	1,461.0	--	**1,539.8**	--
SB-6 10'	10' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	158	2,349.0	--	**2,507**	--
SB-6 15'	15' bgs	07/20/06	<0.025	<0.025	<0.025	0.030	<0.025	0.03	81.5	1,361.0	--	**1,442.5**	--
SB-6 20'	20' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	23.1	926.0	--	**949.1**	--
SB-6 25'	25' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	713.9	--	**713.9**	--
SB-6 35'	35' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	193.7	--	**193.7**	--
SB-6 45'	45' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	649.2	--	**649.2**	--
SB-6 55'	55' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	24.8	1,291.0	--	**1,315.8**	--
SB-6 65'	65' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	12.4	798.1	--	**810.5**	--
SB-6 75'	75' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	15.5	--	**15.5**	--
SB-7 5'	5' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-7 10'	10' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-7 20'	20' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-7 30'	30' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-8 5'	5' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-8 10'	10' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-8 20'	20' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-8 30'	30' bgs	07/20/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-9 5'	5' bgs	07/24/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-9 10'	10' bgs	07/24/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-9 20'	20' bgs	07/24/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-9 30'	30' bgs	07/24/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-10 5'	5' bgs	07/24/06	<0.025	0.047	0.134	0.190	0.076	0.447	66.1	817.0	--	**883.1**	--
SB-10 10'	10' bgs	07/24/06	0.251	1.62	10.4	10.2	2.42	24.891	777	2,913.0	--	**3,690**	--
SB-10 15'	15' bgs	07/24/06	0.142	2.04	5.13	7.77	3.96	19.042	746	3,474.0	--	**4,220**	--
SB-10 20'	20' bgs	07/24/06	0.152	3.46	6.54	10.4	5.82	26.372	812	3,455.0	--	**4,267**	73.9
SB-10 25'	25' bgs	07/24/06	0.063	1.47	3.44	6.18	3.16	14.313	740	3,102.0	--	**3,842**	--
SB-10 35'	35' bgs	07/24/06	<0.025	0.252	0.557	1.05	0.455	2.314	87	760.3	--	**847.3**	--
SB-10 45'	45' bgs	07/24/06	<0.025	0.029	0.067	0.114	0.059	0.269	44.3	663.6	--	**707.9**	--
SB-10 55'	55' bgs	07/24/06	<0.025	0.260	0.493	0.789	0.418	1.96	121	1,007.3	--	**1,128.3**	--
SB-10 65'	65' bgs	07/24/06	0.033	0.822	1.74	3.12	1.53	7.245	453	2,595.0	--	**3,048**	--
SB-10 75'	75' bgs	07/24/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	12.9	157.5	--	**170.4**	--

TABLE I

CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDES IN SOIL

PLAINS MARKETING, L.P.
LOVINGTON GATHERING WTI
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #AP-96

SAMPLE LOCATION	SAMPLE DEPTH (below ground surface)	SAMPLE DATE	METHOD: EPA 8021B						METHOD: SW8015M, Ext.			TOTAL TPH (mg/Kg)	E 300
			BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENE (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	DRO Ext. (mg/Kg)		CHLORIDES (mg/Kg)
SB-11 5'	5' bgs	07/24/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-11 10'	10' bgs	07/24/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-11 20'	20' bgs	07/24/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
SB-11 30'	30' bgs	07/24/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-1 5'	5' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-1 10'	10' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-1 15'	15' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-1 20'	20' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-1 25'	25' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-1 35'	35' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-1 45'	45' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-1 55'	55' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-1 65'	65' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-1 75'	75' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-2 5'	5' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-2 10'	10' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-2 15'	15' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-2 20'	20' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-2 25'	25' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-2 35'	35' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-2 45'	45' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-2 55'	55' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-2 65'	65' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-2 75'	75' bgs	09/11/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-3 5'	5' bgs	09/12/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-3 10'	10' bgs	09/12/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-3 15'	15' bgs	09/12/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-3 20'	20' bgs	09/12/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-3 25'	25' bgs	09/12/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-3 35'	35' bgs	09/12/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-3 45'	45' bgs	09/12/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-3 55'	55' bgs	09/12/06	<0.025	0.032	0.039	0.641	0.310	1.022	249	1,827.0	--	2,076	--
MW-3 65'	65' bgs	09/12/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	61.3	--	61.0	--
MW-3 75'	75' bgs	09/12/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	121.0	--	121	--
MW-4 5'	5' bgs	11/22/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-4 10'	10' bgs	11/22/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-4 15'	15' bgs	11/22/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-4 20'	20' bgs	11/22/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-4 25'	25' bgs	11/22/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-4 35'	35' bgs	11/22/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-4 45'	45' bgs	11/22/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-4 55'	55' bgs	11/22/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-4 65'	65' bgs	11/22/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-4 75'	75' bgs	11/22/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-5 5'	5' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-5 10'	10' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-5 15'	15' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-5 20'	20' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-5 25'	25' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-5 35'	35' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-5 45'	45' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-5 55'	55' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-5 65'	65' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-5 75'	75' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-6 5'	5' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-6 10'	10' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-6 15'	15' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-6 20'	20' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-6 25'	25' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-6 35'	35' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-6 45'	45' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-6 55'	55' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-6 65'	65' bgs	11/27/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-6 75'	75' bgs	11/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-7 5'	5' bgs	11/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-7 10'	10' bgs	11/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-7 15'	15' bgs	11/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-7 20'	20' bgs	11/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-7 25'	25' bgs	11/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-7 35'	35' bgs	11/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-7 45'	45' bgs	11/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-7 55'	55' bgs	11/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-7 65'	65' bgs	11/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-7 75'	75' bgs	11/28/06	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--

TABLE 1

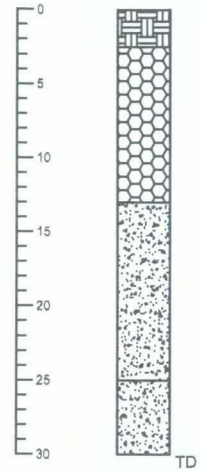
CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDES IN SOIL

PLAINS MARKETING, L.P.
LOVINGTON GATHERING WTI
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #AP-96

SAMPLE LOCATION	SAMPLE DEPTH (below ground surface)	SAMPLE DATE	METHOD: EPA 8021B						METHOD: SW8015M, Ext.			TOTAL TPH (mg/Kg)	E 300
			BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENE (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO (mg/Kg)	DRO (mg/Kg)	DRO Ext. (mg/Kg)		CHLORIDES (mg/Kg)
MW-8 10'	10' bgs	02/07/07	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-8 25'	25' bgs	02/07/07	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	--	<10.0	--
MW-8 50'	50' bgs	02/07/07	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	14.0	--	14.0	--
MW-8 75'	75' bgs	02/07/07	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	101.0	--	**101**	--
MW-9 5'	5' bgs	08/13/07	<0.002	<0.002	<0.002	<0.004	<0.002	<0.004	<10.0	<10.0	--	<10.0	--
MW-9 15'	15' bgs	08/13/07	<0.002	<0.002	<0.002	<0.004	<0.002	<0.004	<10.0	<10.0	--	<10.0	--
MW-9 25'	25' bgs	08/13/07	<0.002	<0.002	<0.002	<0.004	<0.002	<0.004	<10.0	<10.0	--	<10.0	--
MW-9 45'	45' bgs	08/13/07	<0.002	<0.002	<0.002	<0.004	<0.002	<0.004	<10.0	<10.0	--	<10.0	--
MW-9 65'	65' bgs	08/13/07	<0.002	<0.002	<0.002	<0.004	<0.002	<0.004	<10.0	<10.0	--	<10.0	--
MW-9 70'	70' bgs	08/13/07	<0.002	<0.002	<0.002	<0.004	<0.002	<0.004	<10.0	<10.0	--	<10.0	--
MW-9 75'	75' bgs	08/13/07	<0.002	<0.002	<0.002	<0.004	<0.002	<0.004	<10.0	<10.0	--	<10.0	--
MW-10 @ 5'	5' bgs	10/27/09	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<15.2	27.7	--	27.7	--
MW-10 @ 15'	15' bgs	10/27/09	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<15.1	23.1	--	23.1	--
MW-10 @ 25'	25' bgs	10/27/09	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<15.4	25.3	--	25.3	--
MW-10 @ 45'	45' bgs	10/27/09	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<15.3	23.4	--	23.4	--
MW-10 @ 65'	65' bgs	10/27/09	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<15.3	24.0	--	24.0	--
MW-10 @ 70'	70' bgs	10/27/09	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<15.2	19.7	--	19.7	--
MW-10 @ 75'	75' bgs	10/27/09	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010	<0.0020	<15.1	22.7	--	22.7	--
East S/W 1 @ 14'	14' bgs	04/01/10	--	--	--	--	--	--	<15.7	19.6	<15.7	19.6	--
East S/W 2 @ 14'	14' bgs	04/01/10	--	--	--	--	--	--	392	2,030.0	137.0	**2,559**	--
N. S/W @ 14.5'	14.5' bgs	04/07/10	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<16.4	<16.4	<16.4	<16.4	--
W. S/W @ 14'	14' bgs	04/07/10	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<16.7	<16.7	<16.7	<16.7	--
S. S/W @ 6.5'	6.5' bgs	04/07/10	<0.0011	<0.0021	<0.0011	<0.0021	<0.0011	<0.0022	<16.0	<16.0	<16.0	<16.0	--
S. S/W @ 14'	14' bgs	04/07/10	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<16.4	<16.4	<16.4	<16.4	--
East Trech Sample 1 @ 5'	5' bgs	04/16/10	<.0011	<.0022	<.0011	<.0022	<.0011	<.0022	<16.3	20.0	<16.3	20.0	--
S. S/W-1 @ 14.5'	14.5 ' bgs	04/20/10	<0.0012	<0.0023	<0.0012	<0.0023	<0.0012	<0.0023	<17.2	<17.2	<17.2	<17.2	--
N. S/W-1 @ 14.5'	14.5' bgs	04/20/10	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<16.3	<16.3	<16.3	<16.3	--
W. S/W-1 @ 14	14' bgs	04/20/10	<0.0011	<0.0023	<0.0011	<0.0023	<0.0011	<0.0023	<17.0	<17.0	<17.0	<17.0	--
Stockpile	--	04/20/10	<0.0011	0.0105	0.0379	0.1371	0.0755	0.261	270	579.0	23.6	872.6	--
East S/W-3 @ 14.5'	14.5' bgs	04/28/10	<0.0010	<0.0021	<0.0010	<0.0021	<0.0010	<0.0021	<15.4	18.7	<15.4	18.7	--
S.W. S/W @ 14.5'	14.5' bgs	04/28/10	<0.0012	<0.0023	<0.0012	<0.0023	<0.0012	<0.0023	<17.3	<17.3	<17.3	<17.3	--
West S/W-2 @ 14.5'	14.5' bgs	04/28/10	<0.0010	<0.0021	<0.0010	<0.0021	<0.0010	<0.0021	24.8	175.0	18.5	**218.3**	--
E. S/W-2A @ 14'	14' bgs	04/29/10	<0.0011	<0.0022	<0.0011	<0.0022	<0.0011	<0.0022	<16.4	20.0	<16.4	20.0	--
SP-1	--	05/05/10	<0.0108	0.2395	0.955	2.333	1.295	4.819	427	1,090.0	109.0	**1,626**	--
SP-2	--	05/05/10	<.0055	0.0429	0.1513	0.4789	0.2987	0.9718	195	622.0	66.3	883.3	--
SP-3	--	05/05/10	0.0145	0.2174	0.9216	2.289	0.9399	4.382	307	933.0	92.4	**1,332.4**	--
SP-4	--	05/05/10	0.0541	<0.0108	0.1915	0.7956	0.7334	1.7746	288	963.0	97.3	**1,348**	--
SP-5	--	05/05/10	<0.0108	0.0968	0.3392	1.469	0.7184	2.623	293	873.0	91.4	**1,257.4**	--
West S/W-2A @ 14.5'	14.5' bgs	05/05/10	<0.0010	<0.0021	<0.0010	<0.0021	<0.0010	<0.0021	<15.7	<15.7	<15.7	<15.7	--
SP-6	--	05/10/10	<0.0052	0.0239	0.1867	0.9324	0.4559	1.5989	433	1,710.0	157.0	**2,300**	--
SP-7	--	05/10/10	<0.0011	0.0053	0.0282	0.0454	0.0303	0.1092	159.0	907.0	90.4	**1,156.4**	--
SP-8	--	05/10/10	<0.0011	0.0082	0.021	0.0749	0.0444	0.1485	225	1,140.0	109.0	**1,474**	--
SP-1A	--	05/19/10	--	--	--	--	--	--	137.0	678.0	84.0	899	--
SP-3	--	05/24/10	--	--	--	--	--	--	105.0	892.0	80.2	**1,077**	--
SP-4	--	05/24/10	--	--	--	--	--	--	122.0	557.0	66.7	746	--
SP-5	--	05/24/10	--	--	--	--	--	--	183.0	781.0	88.3	**1,052**	--
SP-6	--	05/24/10	--	--	--	--	--	--	1,530.0	5,200.0	667.0	**7,397**	--
SP-7	--	05/24/10	--	--	--	--	--	--	309	934.0	145.0	**1,388**	--
SP-8	--	05/24/10	--	--	--	--	--	--	181	981.0	103.0	**1,265**	--
SP 8A	--	05/27/10	--	--	--	--	--	--	69.0	407.0	65.1	541	--
SP-6A	--	05/28/10	--	--	--	--	--	--	131	1,080.0	96.5	**1,308**	--
SP-3A	--	05/28/10	--	--	--	--	--	--	32.7	470.0	47.9	551	--
SP-5A	--	06/03/10	--	--	--	--	--	--	247	849.0	75.0	**1,171**	--
SP-6B	--	06/07/10	--	--	--	--	--	--	70.8	661.0	66.7	799	--
SP-7A	--	06/07/10	--	--	--	--	--	--	154	1,170.0	99.4	**1,423**	--
SP-5B	--	06/11/10	--	--	--	--	--	--	124	549.0	44.1	717	--
SP-7B	--	06/11/10	--	--	--	--	--	--	179	907.0	67.8	**1,154**	--
SP-7C	--	06/17/10	--	--	--	--	--	--	43.5	1,410.0	96.2	**1,550**	--
SP-7D	--	06/24/10	--	--	--	--	--	--	98.2	1,320.0	101.0	**1,519**	--
SP-7E	--	07/16/10	--	--	--	--	--	--	<17.0	137.0	40.0	177	--

Soil Boring SB-1

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0				
5		0.1		
10		0.1		
15		0.1	None	None
20		0.1	None	None
25		0.1	None	None
30	TD	0.1	None	None



Soil Description

2.5 - 13' - Caliche

13 - 25' - Sand, white to brown, very fine grained, well sorted, dry

25 - 30' - Sand, red to brown, very fine grained, well sorted, dry

Soil Boring Details

Date Drilled July 18, 2006
Thickness of Bentonite Seal 30 Ft
Depth of Exploratory Boring 30 Ft
Depth to Groundwater _____
Ground Water Elevation _____

▼ Indicates the PSH level measured on _____

▼ Indicates the groundwater level measured on _____

⬭ Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Notes:

1.) The soil boring was advanced on date using air rotary drilling techniques.

2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

3.) The depths indicated are referenced from below ground surface. (bgs)

Boring Log Details
Soil Boring SB-1
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Appendices

Appendix A
Soil Boring Logs

Soil Boring SB-2

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0				
5		119		
10		2.8		
15		0.3		
20		0.1	None	None
25		0.1	None	None
30	TD	0.1	None	None

Soil Description

1.5 - 14' - Caliche

14 - 30' - Sand, red to brown, very fine grained, well sorted, dry

Soil Boring Details

Date Drilled July 18, 2006
Thickness of Bentonite Seal 30 Ft
Depth of Exploratory Boring 30 Ft
Depth to Groundwater _____
Ground Water Elevation _____

▼ Indicates the PSH level measured on _____

▼ Indicates the groundwater level measured on _____

⬭ Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Notes:

1.) The soil boring was advanced on date using air rotary drilling techniques.

2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

3.) The depths indicated are referenced from below ground surface. (bgs)

Boring Log Details
Soil Boring SB-2
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Soil Boring SB-3

Depth (feet)	PID Reading	Petroleum Odor	Petroleum Stain
5	(111)	Moderate	Moderate
10	(1,496)	Moderate	Moderate
15	(1,072)	Moderate	Moderate
20	(878)	Moderate	Moderate
25	(56.3)	Slight	Slight
30	148	Slight	Slight
35	(127)	Slight	None
40	135	Slight	None
45	(247)	Slight	None
50	274	Slight	None
55	(290)	Slight	None
60	375	Slight	None
65	(296)	Slight	None
70	14.6	Slight	None
75 TD	(18.6)	Slight	None

Soil Description

2.5 - 17.5' - Caliche

17.5 - 25' - Sand, white to brown, very fine grained, well sorted, dry

25 -75' - Sand, red to brown, very fine grained, well sorted, dry

Soil Boring Details

Date Drilled July 19, 2006
Thickness of Bentonite Seal 75 Ft
Depth of Exploratory Boring 75 Ft
Depth to Groundwater 73.5 Ft
Ground Water Elevation

▼ Indicates the PSH level measured on
▼ Indicates the groundwater level measured on July 19, 2006
( ) Indicates samples selected for Laboratory Analysis.
PID Head-space reading in ppm obtained with a photo-ionization detector.

Notes:

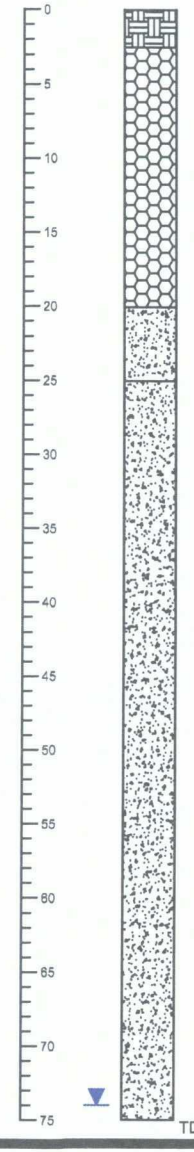
1.) The soil boring was advanced on date using air rotary drilling techniques.
2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
3.) The depths indicated are referenced from below ground surface. (bgs)

Boring Log Details
Soil Boring SB-3
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Soil Boring SB-4



Depth (feet)	PID Reading	Petroleum Odor	Petroleum Stain
5	31.1		
10	731	Heavy	Heavy
15	748	Heavy	None
20	1,164	Slight	None
25	965	Slight	None
30	796	Slight	None
35	922	Slight	None
40	602	Slight	None
45	466	Slight	None
50	489	Slight	None
55	516	Slight	None
60	691	Slight	None
65	446	Slight	None
70	83.6	Slight	None
75 TD	43.6	Slight	None

Soil Description

2.5 - 19' - Caliche

19 - 25' - Sand, white to brown, very fine grained, well sorted, dry

25 -75' - Sand, red to brown, very fine grained, well sorted, dry

Soil Boring Details

Date Drilled July 19, 2006
Thickness of Bentonite Seal 75 Ft
Depth of Exploratory Boring 75 Ft
Depth to Groundwater 74 Ft
Ground Water Elevation

▼ Indicates the PSH level measured on _____

▼ Indicates the groundwater level measured on July 19, 2006

⬭ Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Notes:

1.) The soil boring was advanced on date using air rotary drilling techniques.

2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

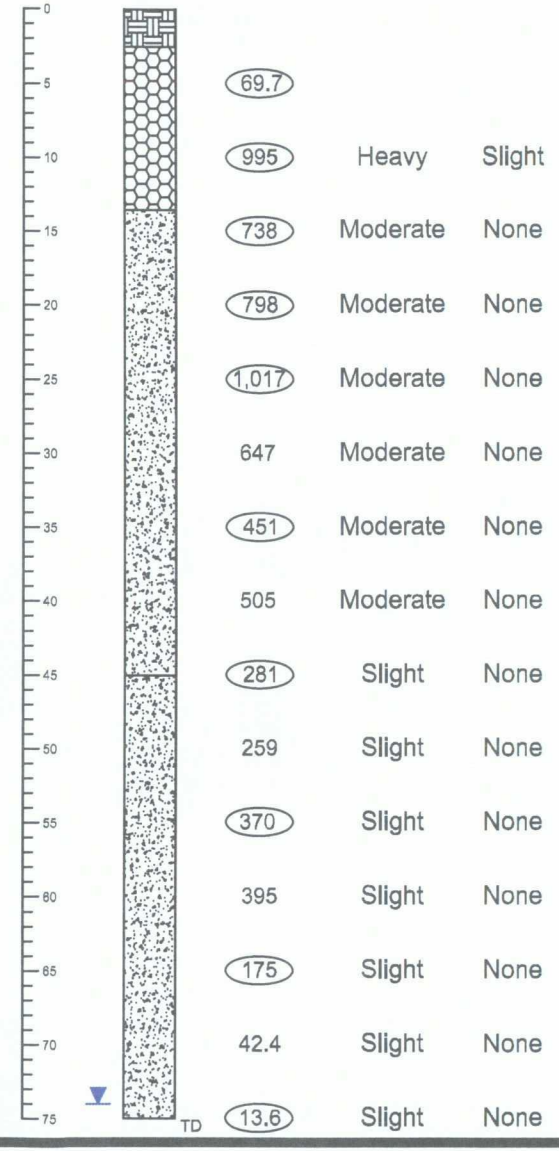
3.) The depths indicated are referenced from below ground surface. (bgs)

Boring Log Details
Soil Boring SB-4
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Soil Boring SB-5



Soil Description

2.5 - 13.5' - Caliche

13.5 - 45' - Sand, white to brown, very fine grained, well sorted, dry

45 -75' - Sand, red to brown, very fine grained, well sorted, dry

Soil Boring Details

Date Drilled July 19, 2006
Thickness of Bentonite Seal 75 Ft
Depth of Exploratory Boring 75 Ft
Depth to Groundwater 74 Ft
Ground Water Elevation

▼ Indicates the PSH level measured on _____

▼ Indicates the groundwater level measured on July 19, 2006

⬭ Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Notes:

1.) The soil boring was advanced on date using air rotary drilling techniques.

2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

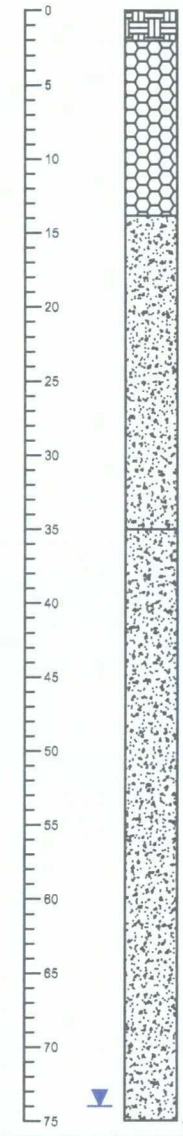
3.) The depths indicated are referenced from below ground surface. (bgs)

Boring Log Details
Soil Boring SB-5
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Soil Boring SB-6



Depth (feet)	PID Reading	Petroleum Odor	Petroleum Stain
5	458	Heavy	Moderate
10	973	Heavy	Moderate
15	759	Moderate	None
20	521	None	None
25	351	None	None
30	390	None	None
35	46.6	None	None
40	94.7	None	None
45	97.1	Moderate	None
50	212	Moderate	None
55	444	Moderate	None
60	394	Moderate	None
65	237	Moderate	None
70	36.6		
75	27.2		

Soil Description

2 - 14' - Caliche

14 - 35' - Sand, white to brown, very fine grained, well sorted, dry

35 -75' - Sand, red to brown, very fine grained, well sorted, dry

Soil Boring Details

Date Drilled: July 20, 2006
Thickness of Bentonite Seal: 75 Ft
Depth of Exploratory Boring: 75 Ft
Depth to Groundwater: 74 Ft
Ground Water Elevation: _____

▼ Indicates the PSH level measured on _____

▼ Indicates the groundwater level measured on July 20, 2006

⬭ Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Notes:

1.) The soil boring was advanced on date using air rotary drilling techniques.

2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

3.) The depths indicated are referenced from below ground surface. (bgs)

Boring Log Details
Soil Boring SB-6
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Soil Boring SB-7

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0				
5		2.5	None	None
10		1.5	None	None
15		5.1	None	None
20		3.9	None	None
25		4.4	None	None
30	TD	2.8	None	None

Soil Description

2 - 14' - Caliche

14 - 25' - Sand, white to brown, very fine grained, well sorted, dry

25 - 30' - Sand, red to brown, very fine grained, well sorted, dry

Soil Boring Details

Date Drilled July 20, 2006
Thickness of Bentonite Seal 30 Ft
Depth of Exploratory Boring 30 Ft
Depth to Groundwater _____
Ground Water Elevation _____

▼ Indicates the PSH level measured on _____

▼ Indicates the groundwater level measured on _____

⬭ Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Notes:

1.) The soil boring was advanced on date using air rotary drilling techniques.

2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

3.) The depths indicated are referenced from below ground surface. (bgs)

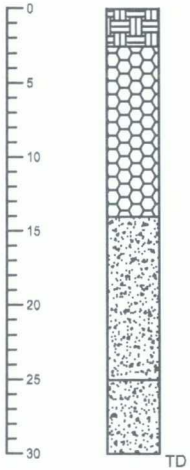
Boring Log Details
Soil Boring SB-7
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Soil Boring SB-8

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0				
5		3.9	None	None
10		7.9	None	None
15		9.1	None	None
20		9.3	None	None
25		9.0	None	None
30	TD	7.1	None	None



Soil Description

2.5 - 14' - Caliche

14 - 25' - Sand, white to brown, very fine grained, well sorted, dry

25 - 30' - Sand, red to brown, very fine grained, well sorted, dry

Soil Boring Details

Date Drilled July 20, 2006
Thickness of Bentonite Seal 30 Ft
Depth of Exploratory Boring 30 Ft
Depth to Groundwater _____
Ground Water Elevation _____

▼ Indicates the PSH level measured on _____

▼ Indicates the groundwater level measured on _____

⬭ Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Notes:

1.) The soil boring was advanced on date using air rotary drilling techniques.

2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

3.) The depths indicated are referenced from below ground surface. (bgs)

Boring Log Details
Soil Boring SB-8
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Soil Boring SB-9

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0				
5		(5.4)	None	None
10		(5.1)	None	None
15		7.2	None	None
20		(5.8)	None	None
25		5.9	None	None
30	TD	(5.9)	None	None

Soil Description

2.5 - 9' - Caliche

9 - 30' - Sand, white to brown, very fine grained, well sorted, dry

Soil Boring Details

Date Drilled July 20, 2006
Thickness of Bentonite Seal 30 Ft
Depth of Exploratory Boring 30 Ft
Depth to Groundwater _____
Ground Water Elevation _____

▼ Indicates the PSH level measured on _____

▼ Indicates the groundwater level measured on _____

⬭ Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Notes:

1.) The soil boring was advanced on date using air rotary drilling techniques.

2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

3.) The depths indicated are referenced from below ground surface. (bgs)

Boring Log Details
Soil Boring SB-9
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Soil Boring SB-10

Depth (feet)	PID Reading	Petroleum Odor	Petroleum Stain
5	528	Heavy	Moderate
10	1,369	Heavy	None
15	1,396	Heavy	None
20	1,398	Heavy	None
25	1,409	Moderate	None
30	990	Moderate	None
35	699	Moderate	None
40	633	Moderate	None
45	293	Moderate	None
50	495	Moderate	None
55	588	Moderate	None
60	564	Moderate	None
65	723	Moderate	None
70	88.8	Moderate	None
75 TD	54.6	None	None

Soil Description

4 - 12' - Caliche

14 - 25' - Sand, white to brown, very fine grained, well sorted, dry

25 -75' - Sand, red to brown, very fine grained, well sorted, dry

Soil Boring Details

Date Drilled July 24, 2006
Thickness of Bentonite Seal 75 Ft
Depth of Exploratory Boring 75 Ft
Depth to Groundwater 74 Ft
Ground Water Elevation _____

▼ Indicates the PSH level measured on _____
▼ Indicates the groundwater level measured on July 24, 2006
⬭ Indicates samples selected for Laboratory Analysis.
PID Head-space reading in ppm obtained with a photo-ionization detector.

Notes:

1.) The soil boring was advanced on date using air rotary drilling techniques.
2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
3.) The depths indicated are referenced from below ground surface. (bgs)

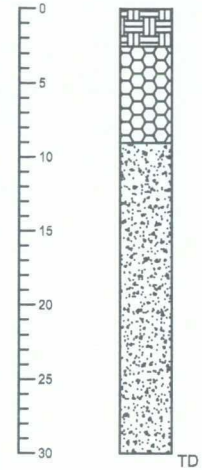
Boring Log Details
Soil Boring SB-10
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Soil Boring SB-11

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0				
5		(3.4)	None	None
10		(4.4)	None	None
15		4.2	None	None
20		(5.5)	None	None
25		5.6	None	None
30	TD	(5.6)	None	None



Soil Description

2.5 - 9' - Caliche

9 - 30' - Sand, white to brown, very fine grained, well sorted, dry

Soil Boring Details

Date Drilled July 24, 2006
Thickness of Bentonite Seal 30 Ft
Depth of Exploratory Boring 30 Ft
Depth to Groundwater _____
Ground Water Elevation _____

▼ Indicates the PSH level measured on _____

▼ Indicates the groundwater level measured on _____

(oval) Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Notes:

1.) The soil boring was advanced on date using air rotary drilling techniques.

2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

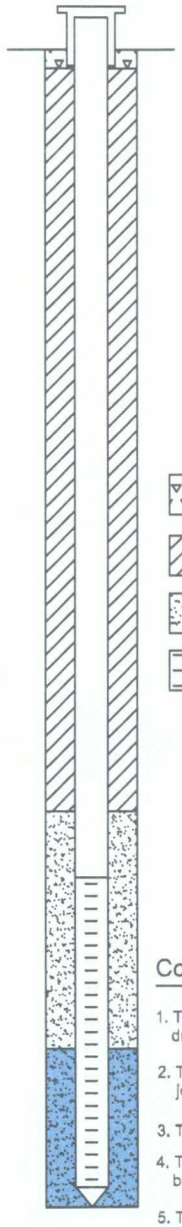
3.) The depths indicated are referenced from below ground surface. (bgs)

Boring Log Details
Soil Boring SB-11
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
0					
5		0.0	None	None	2 - 13' - Caliche
10		0.0	None	None	
15		0.0	None	None	
20		0.0	None	None	13 - 25' - Sand, white to brown, very fine grained, well sorted, dry
25		0.0	None	None	
30		0.0	None	None	
35		0.0	None	None	
40		0.0	None	None	
45		0.0	None	None	
50		0.0	None	None	
55		0.0	None	None	25 - 88' - Sand, red to brown, very fine grained, well sorted, dry
60		0.0	None	None	
65		0.0	None	None	
70		0.0	None	None	
75	▼	0.0	None	None	
80					
85					
88	TD				



Monitor Well MW-1

Monitor Well Details

Date Drilled: September 11, 2006
Thickness of Bentonite Seal: 58 Ft
Length of PVC Well Screen: 25 Ft
Depth of PVC Well: 88 Ft
Depth of Exploratory Well: 88 Ft
Depth to Groundwater: 76 Ft
Ground Water Elevation: _____

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

▼ Indicates the PSH level measured on _____

▼ Indicates the groundwater level measured on September 11, 2006

⬭ Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)

Monitor Well Details
Monitor Well MW-1
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Monitor Well MW-2

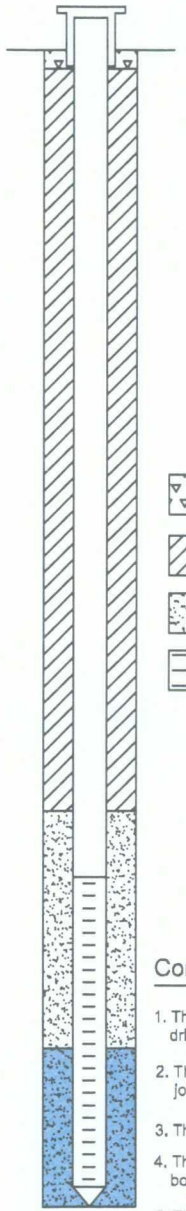
Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain
0				
5		0.0	None	None
10		0.0	None	None
15		0.0	None	None
20		0.0	None	None
25		0.0	None	None
30		0.0	None	None
35		0.0	None	None
40		0.0	None	None
45		0.0	None	None
50		0.0	None	None
55		0.0	None	None
60			None	None
65			None	None
70			None	None
75			None	None
80				
85				
88	TD			

Soil Description

2 - 22' - Caliche

22 - 35' - Sand, white to brown, very fine grained, well sorted, dry

35 - 88' - Sand, red to brown, very fine grained, well sorted, dry



Monitor Well Details

Date Drilled: September 11, 2006
Thickness of Bentonite Seal: 58 Ft
Length of PVC Well Screen: 25 Ft
Depth of PVC Well: 88 Ft
Depth of Exploratory Well: 88 Ft
Depth to Groundwater: 76 Ft
Ground Water Elevation:

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates the PSH level measured on _____

Indicates the groundwater level measured on September 11, 2006

Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

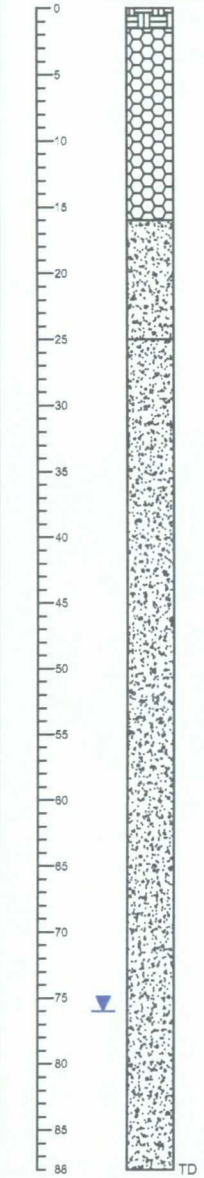
Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)

Monitor Well Details
Monitor Well MW-2
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

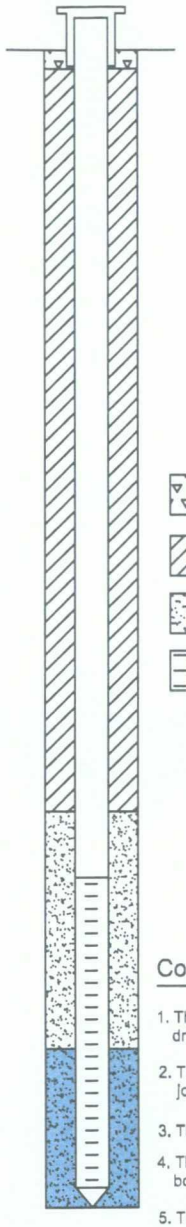


Soil Description

1.5 - 16' - Caliche

16 - 25' - Sand, white to brown, very fine grained, well sorted, dry

25 - 88' - Sand, red to brown, very fine grained, well sorted, dry



Monitor Well MW-3

Monitor Well Details

Date Drilled: September 12, 2006
Thickness of Bentonite Seal: 58 Ft
Length of PVC Well Screen: 25 Ft
Depth of PVC Well: 88 Ft
Depth of Exploratory Well: 88 Ft
Depth to Groundwater: 76 Ft
Ground Water Elevation:

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates the PSH level measured on

Indicates the groundwater level measured on September 12, 2006

Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)

Monitor Well Details
Monitor Well MW-3
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

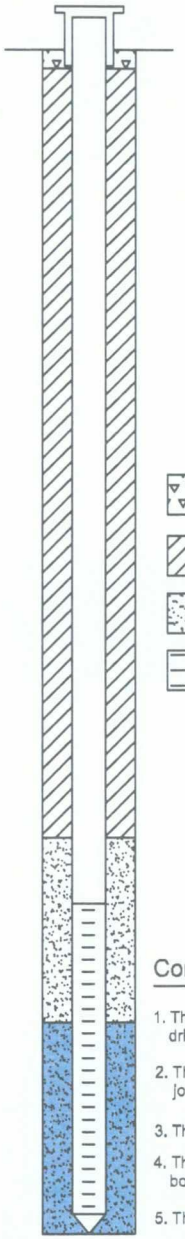
Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Monitor Well MW-4

Depth (feet)	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
5	0.0	None	None	
10	0.0	None	None	0.5 - 17' - Caliche
15	0.0	None	None	
20	0.0	None	None	17 - 25' - Sand, white to brown, very fine grained, well sorted, dry
25	0.0	None	None	
30	0.0	None	None	
35	0.0	None	None	
40	0.0	None	None	
45	0.0	None	None	
50	0.0	None	None	
55	0.0	None	None	25 - 88' - Sand, red to brown, very fine grained, well sorted, dry
60	0.0	None	None	
65	0.0	None	None	
70	0.0	None	None	
75	0.0	None	None	

TD



Monitor Well Details

Date Drilled: November 22, 2006
Thickness of Bentonite Seal: 60 Ft
Length of PVC Well Screen: 25 Ft
Depth of PVC Well: 90 Ft
Depth of Exploratory Well: 90 Ft
Depth to Groundwater: 74 Ft
Ground Water Elevation:

- Grout Surface Seal
- Bentonite Pellet Seal
- Sand Pack
- Screen

- Indicates the PSH level measured on
- Indicates the groundwater level measured on November 22, 2006
- Indicates samples selected for Laboratory Analysis.
- PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

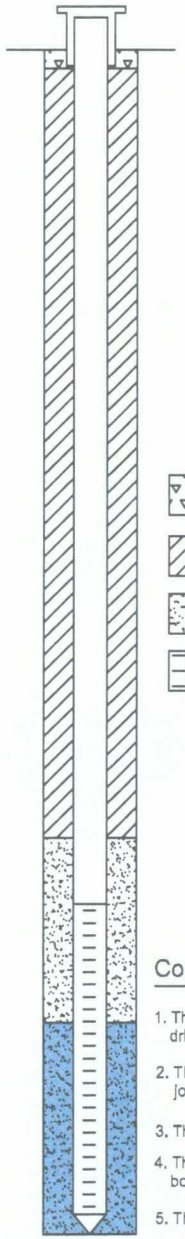
1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)

Monitor Well Details
Monitor Well MW-4
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
0					
5		0.0	None	None	0.5 - 8' - Caliche
10		0.0	None	None	8 - 9.5' - Sand, red to brown, very fine grained, well sorted, dry
15		0.0	None	None	9.5 - 18' - Caliche
20		0.0	None	None	
25		0.0	None	None	
30		0.0	None	None	
35		0.0	None	None	
40		0.0	None	None	
45		0.0	None	None	
50		0.0	None	None	8 - 90' - Sand, red to brown, very fine grained, well sorted, dry
55		0.0	None	None	
60		0.0	None	None	
65		0.0	None	None	
70		0.0	None	None	
75		0.0	None	None	
80					
85					
90	TD				



Monitor Well MW-5

Monitor Well Details

Date Drilled November 27, 2006
Thickness of Bentonite Seal 60 Ft
Length of PVC Well Screen 25 Ft
Depth of PVC Well 90 Ft
Depth of Exploratory Well 90 Ft
Depth to Groundwater 74 Ft
Ground Water Elevation

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates the PSH level measured on _____

Indicates the groundwater level measured on November 27, 2006

Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)

Monitor Well Details
Monitor Well MW-5
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Depth (feet)	PID Reading	Petroleum Odor	Petroleum Stain
5	0.0	None	None
10	0.0	None	None
15	0.0	None	None
20	0.0	None	None
25	0.0	None	None
30	0.0	None	None
35	0.0	None	None
40	0.0	None	None
45	0.0	None	None
50	0.0	None	None
55	0.0	None	None
60	0.0	None	None
65	0.0	None	None
70	0.0	None	None
75	0.0	None	None
80			
85			
90			

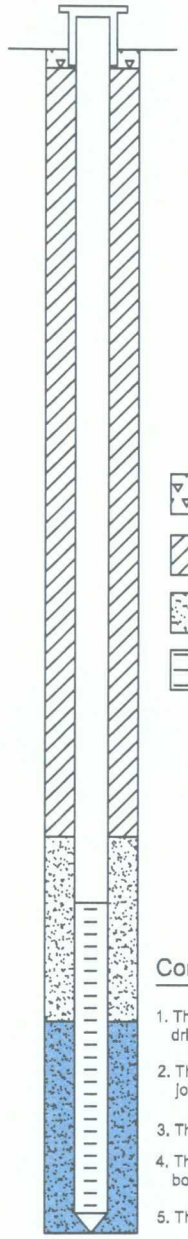
TD

Soil Description

0.5 - 18' - Caliche

18 - 25' - Sand, white to brown, very fine grained, well sorted, dry

25 - 90' - Sand, red to brown, very fine grained, well sorted, dry



Monitor Well MW-6

Monitor Well Details

Date Drilled November 27, 2006
Thickness of Bentonite Seal 60 Ft
Length of PVC Well Screen 25 Ft
Depth of PVC Well 90 Ft
Depth of Exploratory Well 90 Ft
Depth to Groundwater 74 Ft
Ground Water Elevation

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates the PSH level measured on

Indicates the groundwater level measured on November 27, 2006

Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

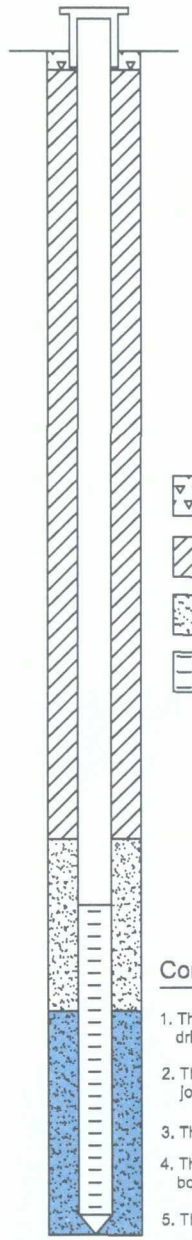
1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)

Monitor Well Details
Monitor Well MW-6
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Depth (feet)	Soil Columns	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
0					
5		0.0	None	None	
10		0.0	None	None	0.5 - 18' - Caliche
15		0.0	None	None	
20		0.0	None	None	
25		0.0	None	None	
30		0.0	None	None	
35		0.0	None	None	
40		0.0	None	None	
45		0.0	None	None	
50		0.0	None	None	18 - 90' - Sand, red to brown, very fine grained, well sorted, dry
55		0.0	None	None	
60		0.0	None	None	
65		0.0	None	None	
70		0.0	None	None	
75		0.0	None	None	
80					
85					
90	TD				



Monitor Well MW-7

Monitor Well Details

Date Drilled November 28, 2006
Thickness of Bentonite Seal 60 Ft
Length of PVC Well Screen 25 Ft
Depth of PVC Well 90 Ft
Depth of Exploratory Well 90 Ft
Depth to Groundwater 73 Ft
Ground Water Elevation

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates the PSH level measured on

Indicates the groundwater level measured on November 28, 2006

Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)

Monitor Well Details
Monitor Well MW-7
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

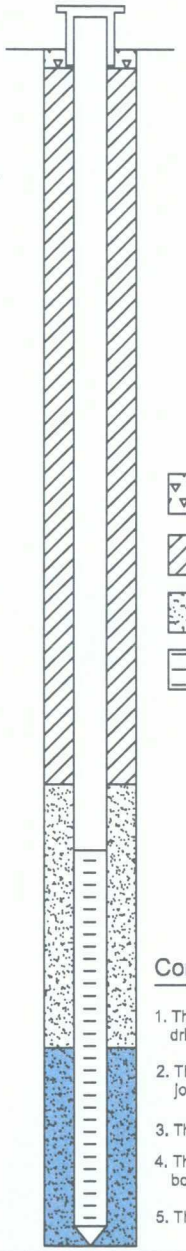
Depth (feet)	PID Reading	Petroleum Odor	Petroleum Stain
5	0.1	None	None
10	(0.4)	None	None
15	0.2	None	None
20	0.2	None	None
25	(0.9)	None	None
30	0.1	None	None
35	1.5	None	None
40	1.6	None	None
45	1.3	None	None
50	(1.0)	None	None
55	1.1	None	None
60	1.9	None	None
65	1.9	None	None
70	2.0	None	None
75	(2.3)	None	None
91			TD

Soil Description

0 - 20' - Sand, white to brown, very fine grained, well sorted, dry

20 - 30' - Sand, white to brown, very fine grained, well sorted, dry with imbedded caliche nodules

30 - 91' - Sand, red to brown, very fine grained, well sorted, dry



Monitor Well MW-8

Monitor Well Details

Date Drilled: February 7, 2007
Thickness of Bentonite Seal: 56 Ft
Length of PVC Well Screen: 30 Ft
Depth of PVC Well: 91 Ft
Depth of Exploratory Well: 91 Ft
Depth to Groundwater: 76 Ft
Ground Water Elevation:

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates the PSH level measured on _____

Indicates the groundwater level measured on February 7, 2007

Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

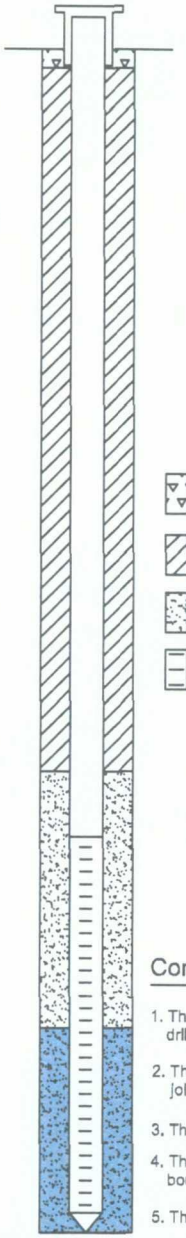
1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)

Monitor Well Details
Monitor Well MW-8
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Depth (feet)	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description
5	0.0	None	None	1 - 7' - Caliche
10	0.0	None	None	
15	0.0	None	None	7 - 20' - Sand, white to brown, very fine grained, well sorted, dry
20	0.0	None	None	
25	0.0	None	None	
30	0.0	None	None	
35	0.0	None	None	
40	0.0	None	None	
45	0.0	None	None	
50	0.0	None	None	
55	0.0	None	None	20 - 90" - Sand, red to brown, very fine grained, well sorted, dry
60	0.0	None	None	
65	0.0	None	None	
70	0.0	None	None	
75	0.0	None	None	
90				TD



Monitor Well MW-9

Monitor Well Details

Date Drilled August 13, 2007
Thickness of Bentonite Seal 55 Ft
Length of PVC Well Screen 30 Ft
Depth of PVC Well 90 Ft
Depth of Exploratory Well 90 Ft
Depth to Groundwater 74.5 Ft
Ground Water Elevation

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates the PSH level measured on

Indicates the groundwater level measured on August 13, 2007

Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface. (bgs)

Monitor Well Details
Monitor Well MW-9
Lovington Gathering WTI Lea County, New Mexico
Plains Pipeline, L.P.

Basin Environmental Services

Prep By: CDS	Checked By: CDS
Date: June 11, 2008	

Depth (feet)	PID Reading	Petroleum Odor	Petroleum Stain
5	8.2	None	None
10	7.1	None	None
15	3.5	None	None
20	5.0	None	None
25	7.3	None	None
30	4.3	None	None
35	5.2	None	None
40	0.8	None	None
45	7.2	None	None
50	2.9	None	None
55	5.6	None	None
60	5.1	None	None
65	5.3	None	None
70	6.3	None	None
75	5.7	None	None

TD

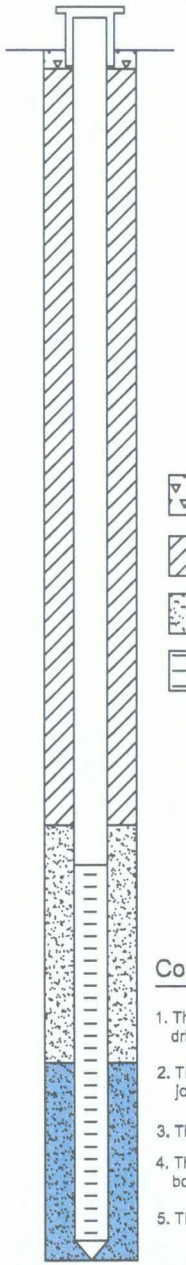
Soil Description

0 - 1' - Sand, brown to tan, clayey with some caliche nodules, moist

1 - 20' - Caliche, white to tan, soft, sandy, very fine grained

20 - 45' - Sand, tan to brown, very fine grained with sandstone layering

45 - 92' - Sand, tan to brown, very fine grained, very heavy sandstone layering 72-75' bgs, wet at 77' bgs



Monitor Well MW-10

Monitor Well Details

Date Drilled	October 27, 2009
Thickness of Bentonite Seal	57 Ft
Length of PVC Well Screen	30 Ft
Depth of PVC Well	92 Ft
Depth of Exploratory Well	92 Ft
Depth to Groundwater	77 Ft
Ground Water Elevation	

Grout Surface Seal

Bentonite Pellet Seal

Sand Pack

Screen

Indicates the PSH level measured on _____

Indicates the groundwater level measured on _____

Indicates samples selected for Laboratory Analysis.

PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

1. The monitor well was installed on date using air rotary drilling techniques.
2. The well was constructed with 2" ID, 0.020 inch factory slotted, threaded joint, schedule 40 PVC pipe.
3. The well is protected with a locked stick up steel cover and a compression cap.
4. The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.
5. The depths indicated are referenced from below ground surface (bgs).

Monitor Well Details
Monitor Well MW-10
Lovington Gathering WTI Lea County, New Mexico
Plains Marketing, L.P.

Basin Environmental Consulting

Prep By: CDS	Checked By: CDS
November 2, 2009	

Appendix B
Analytical Reports

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

See this thumbnail for results

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Lovington Gathering WTI

Project Number: SRS: 2006-142

Location: Lea County, NM

Lab Order Number: 6G20010

Report Date: 07/28/06

Appendix C
Photographs

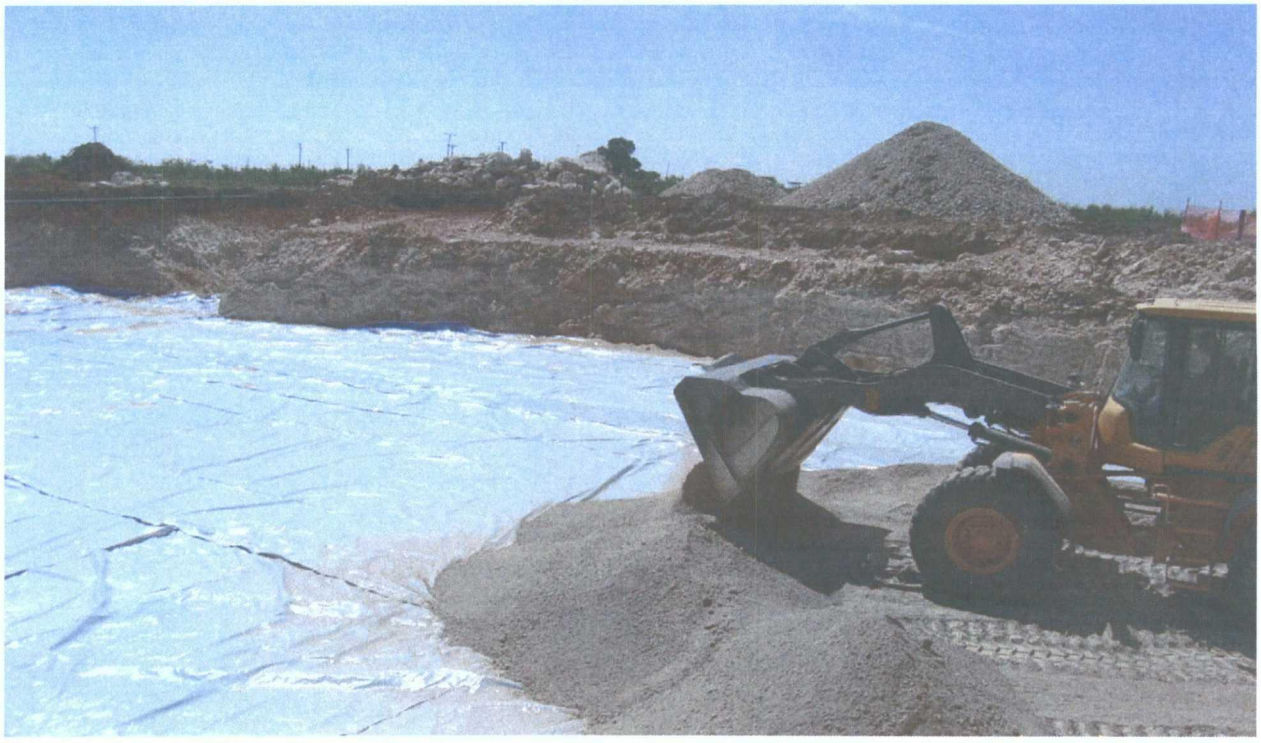
Photograph of excavation activities at the Lovington Gathering WTI release site.

Photograph of excavation and sample locations at the Lovington Gathering WTI release site.

Photograph of the installation of pad sand beneath the liner at the Lovington Gathering WTI release site.

Photograph of the installation of the poly liner at the Lovington Gathering Release site.

Photograph of the installation of the poly liner at the Lovington Gathering Release site.



Photograph of backfilling activities at the Lovington Gathering WTI site.

Photograph of backfilling activities at the Lovington Gathering WTI site.

Photograph of the reseeding of the Lovington Gathering WTI remedial site.

Photograph of completed remedial activities at the Lovington Gathering WTI release site.

Appendix D
Release Notification and Corrective Action
(Form C-141)

1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

x Initial Report ☐ Final Report

Name of Company Plains Pipeline	Contact Camille Reynolds
Address 3112 W. US Hwy 82, Lovington, NM 88260	Telephone No. 505-441-0965
Facility Name Lovington Gathering WTI	Facility Type 6"Steel Pipeline

Surface Owner Robert Rice	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	6	17S	37E					Lea

Latitude 32° 51' 56.0" **Longitude** 103° 17' 07.2"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 12 barrels	Volume Recovered 8 barrels
Source of Release 6" Steel Pipeline	Date and Hour of Occurrence 4-21-2006 @ 13:00	Date and Hour of Discovery 4-21-2006 @ 13:15
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Pat Caperton	
By Whom? Camille Reynolds	Date and Hour 4-21-2006 @ 15:35	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken Internal corrosion while purging the line resulted in release of sweet crude oil. The line has been purged. The line is an idle 6-inch steel gathering line. The pressure on the line was approximately 50 psi and the gravity of the sweet crude oil was 34. The sweet crude has an H_2S content of <10 ppm. The line was approximately 1.5 feet bgs at the release point.

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was approximately 1,500 ft^2.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Camille Reynolds

Printed Name: Camille Reynolds

Title: Remediation Coordinator

E-mail Address: cjreynolds@paalp.com

Date: 4/26/2006 Phone:505-441-

OIL CONSERVATION DIVISION

Approved by District Supervisor:

Approval Date: Expiration Date:

Conditions of Approval: Attached ☐