AP - 63

ANNUAL MONITORING REPORT

YEAR(S): 2010

PLAINS
ALL AMERICAN

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MAR 29 2011

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

March 23, 2011

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

Re: Plains All American – 2010 Annual Monitoring Reports
20 Sites in Lea County, New Mexico

Dear Mr. Hansen:

Plains All American is an operator of crude oil pipelines and terminal facilities in the state of New Mexico. Plains All American actively monitors certain historical release sites exhibiting groundwater impacts, consistent with assessments and work plans developed in consultation with the New Mexico Oil Conservation Division (NMOCD). In accordance with the rules and regulations of the NMOCD, Plains All American hereby submits our Annual Monitoring reports for the following sites:

34 Junc. to Lea Sta.	1R-0386	Section 21, Township 20 South, Range 37 East, Lea County
34 Junction South	1R-0456 AP-03	Section 02, Township 17 South, Range 36 East, Lea County
Bob Durham	AP-0016	Section 32, Township 19 South, Range 37 East, Lea County
Darr Angell #1	AP-007	Section 11, Township 15 South, Range 37 East, Lea County
Darr Angell #2	AP-007	Section 11, Township 15 South, Range 37 East, Lea County Section 14, Township 15 South, Range 37 East, Lea County
Darr Angell #4	AP-007	Section 11, Township 15 South, Range 37 East, Lea County Section 02, Township 15 South, Range 37 East, Lea County
Denton Station	1R-0234	Section 14, Township 15 South, Range 37 East, Lea County
HDO-90-23	AP-009	Section 06, Township 20 South, Range 37 East, Lea County
LF-59	1R-0103	Section 32, Township 19 South, Range 37 East, Lea County
Monument 2	1R-0110	Section 06, Township 20 South, Range 37 East, Lea County Section 07, Township 20 South, Range 37 East, Lea, County
Monument 10	1R-0119	Section 30, Township 19 South, Range 37 East, Lea County
Monument 17	1R-123	Section 29, Township 19 South, Range 37 East, Lea County
Monument 18	1R-0124	Section 07, Township 20 South, Range 37 East, Lea County
S. Mon. Gath. Sour	1R-951	Section 05, Township 20 South, Range 37 East, Lea County
SPS-11	GW-0140	Section 18, Township 18 South, Range 36 East, Lea County
Texaco Skelly F	1R-0420	Section 11, Township 21 South, Range 37 East, Lea County
TNM 97-04	GW-0294	Section 11, Township 16 South, Range 35 East, Lea County
TNM 97-17	AP-017	Section 21, Township 20 South, Range 37 East, Lea County
TNM 97-18	AP-0013	Section 28, Township 20 South, Range 37 East, Lea County
TNM 98-05A	AP-12	Section 26, Township 21 South, Range 37 East, Lea County

PLAINS
ALL AMERICAN

Nova Safety and Environmental (Nova) prepared these documents and has vouched for their accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the documents and interviewed Nova personnel in order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Reports for the above facilities.

If you have any questions or require further information, please contact me at (575) 441-1099.

Sincerely,

Jason Henry
Remediation Coordinator
Plains All American

CC: Geoff Leking, NMOCD, Hobbs, NM

Enclosures

2010
ANNUAL MONITORING REPORT

34 JUNCTION SOUTH STATION

LEA COUNTY, NEW MEXICO
NW ¼ SW ¼ SECTION 2, TOWNSHIP 17 SOUTH, RANGE 36 EAST
PLAINS SRS NUMBER: 2005-00138
NMOCD Reference AP-063

PREPARED FOR:

PLAINS MARKETING, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002

NOVA
safety and environmental

PREPARED BY:

NOVA Safety and Environmental
2057 Commerce Street
Midland, Texas 79703

March 2011

Ronald K. Rounsaville
Senior Project Manager

Brittan K. Byerly, P.G.
President

TABLE OF CONTENTS

INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998, requiring submittal of an Annual Monitoring Report by April 1 of each year. Beginning on or about August 8, 2006, project management responsibilities were assumed by NOVA, having previously been managed by Basin Environmental Service Technologies, LLC, (Basin). This report is intended to be viewed as a complete document with text, figures, tables and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2010 only. However, historic data tables as well as 2010 laboratory analytical reports are provided on the enclosed data disk. A site location map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2010 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH on the water column and purging and sampling of each well exhibiting sufficient recharge. Monitor wells containing a thickness of PSH greater than 0.01 foot were not sampled.

SITE DESCRIPTION AND BACKGROUND INFORMATION

The legal description of the site is NW¼, SW¼, Section 2, Township 17 South, Range 36 East. The site is located on property owned by the State of New Mexico. The site latitude is 32° 51' 42.4" North and the site longitude is 103° 19' 54.4" West. Please reference Figure 1 for a Site Location Map. On June 10, 2005, Basin responded to a pipeline release on behalf of Plains. The release occurred as a result of the mechanical malfunction of an air eliminator check valve at an operational secondary metering station. Emergency response activities included the repair of the affected check valve and excavation of the hydrocarbon impacted soil. Approximately 15 barrels of crude oil were released from the pipeline and 0.5 barrels were recovered, resulting in a net loss of 14.5 barrels. The visibly stained surface area covers an area approximately 20 feet long by 20 feet wide. Excavation activities during the initial response activities covered an area within the fenced station approximately 20 feet long by 20 feet wide and one to four feet below ground surface (bgs). Approximately 100 cubic yards (cy) of excavated soil was placed on a polyethylene liner for future remedial activities. Please reference Appendix B for The Release Notification and Corrective Action (Form C-141).

Currently, there are seventeen (17) monitor wells and one (1) recovery well (RW-1) on site. Monitor wells MW-15, MW-16 and MW-17 were installed in March 2010. An automated PSH recovery system, consisting of pneumatic total fluids pumps installed in monitor wells MW-3, MW-4, MW-8 through MW-11 and recovery well RW-1, was operational during the reporting period of 2010. Recovered PSH is temporarily stored in a poly tank and periodically re-injected into the Plains Pipeline transportation system located at the 34 Junction Metering Station.

A *Stage 1 and Stage 2 Abatement Plan* was submitted to the NMOCD in October 2006. The NMOCD has accepted the Abatement Plan as administratively complete and public notice approval is pending.

FIELD ACTIVITIES

Product Recovery Efforts

A measurable thickness of PSH was detected in seven monitor wells (MW-3, MW-4, MW-5, MW-8 through MW-11) and in recovery well RW-1 during the 2010 reporting period. An automated PSH recovery system, consisting of pneumatic total fluids pumps installed in monitor wells MW-3, MW-4, MW-8 through MW-11 and recovery well RW-1, was operational during the reporting period of 2010. The average thickness of PSH in monitor and recovery wells containing PSH during 2010 was 1.54 feet, with a maximum thickness of 7.63 feet occurring in monitor well MW-10 on May 21, 2010. Approximately 202 gallons (approximately 4.8 barrels) of PSH was recovered from the site during the 2010 reporting period. Approximately 2,794 gallons (approximately 66.5 barrels) of PSH have been recovered since the project inception. Measurable thicknesses of PSH are recorded in Table 1 and Figures 3A through 3D.

Groundwater Monitoring

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule.

NMOCD APPROVED SAMPLING SCHEDULE					
Location	**Schedule**	**Location**	**Schedule**	**Location**	**Schedule**
MW-1	Quarterly	MW-7	Quarterly	MW-13	Quarterly
MW-2	Quarterly	MW-8	Quarterly	MW-14	Quarterly
MW-3	Quarterly	MW-9	Quarterly	MW-15	Quarterly
MW-4	Quarterly	MW-10	Quarterly	MW-16	Quarterly
MW-5	Quarterly	MW-11	Quarterly	MW-17	Quarterly
MW-6	Quarterly	MW-12	Quarterly	RW-1	Quarterly

The site monitor wells were gauged and sampled on February 11, May 21, August 19, and November 19, 2010. During each sampling event, sampled monitor wells were purged of approximately three well volumes of water or until the wells were dry using a PVC bailer or electrical Grundfos pump. Groundwater was allowed to recharge and samples were collected using disposable Teflon samplers. Water samples were placed in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during the four (4) quarterly monitoring events, are depicted on Figures 2A through 2D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2010 is provided as Table 1. Historic groundwater elevation data beginning at project inception is provided on the enclosed data disk.

The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.004 feet/foot to the east-northeast as measured between monitor wells MW-2 and MW-12. This is consistent with data presented from earlier in the year. The corrected groundwater elevation has ranged between 3,788.18 and 3,790.40 feet above mean sea level, in monitor wells MW-12 on May 21, 2010 and MW-2 on November 19, 2010, respectively.

LABORATORY RESULTS

Monitor wells MW-3, MW-4, MW-8, MW-9, MW-10 and MW-11 and recovery well RW-1 contained PSH during all four quarters of the reporting period and were not sampled during 1st, 2nd, 3rd and 4th quarters of 2010. Monitor well MW-5 exhibited PSH during the 2nd, 3rd and 4th quarters and were not sampled during those sampling events.

Groundwater samples obtained during the quarterly sampling events of 2010 were delivered to Trace Analysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021B. Polynuclear Aromatic Hydrocarbons (PAH) analysis was conducted during the 2010 calendar year on monitor well MW-13. Based upon historic PAH analytical data, only those wells exhibiting elevated constituent concentrations above WQCC standards were sampled, with the exclusion of those wells containing measurable PSH thicknesses. A listing of BTEX constituent concentrations for 2010 are summarized in Table 2 and the Historic PAH constituent concentrations are summarized in Table 3. Copies of the laboratory reports generated for 2010 are provided on the enclosed data disk. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

Monitor well MW-1 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-2 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-3 is monitored on a quarterly schedule. Monitor well MW-3 was not sampled during the 1st, 2nd, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.91 feet, 0.09 feet, 0.15 feet and 0.06 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-4 is monitored / sampled on a quarterly schedule. Monitor well MW-4 was not sampled during the 1st, 2nd, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.82 feet, 1.36 feet, 0.66 feet and 0.53 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-5 is sampled on a quarterly schedule. Monitor well MW-5 was not sampled during the 2nd, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.24 feet, 1.07 feet and 1.12 feet were reported during the 2nd, 3rd and 4th quarters of 2010, respectively. Benzene concentrations were above the NMOCD regulatory standards during the 1st quarter of the reporting period with a concentration of 0.538 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 1st quarter of the reporting period with a concentration of 0.1210 mg/L. Ethyl-benzene concentrations were below NMOCD

regulatory standards during the 1st quarter of the reporting period with a concentration of 0.079 mg/L. Xylene concentrations were below NMOCD regulatory standards during the 1st quarter of the reporting period with a concentration of 0.132 mg/L. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-6 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-7 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-8 is monitored / sampled on a quarterly schedule. Monitor well MW-8 was not sampled during the 1st, 2nd, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 1.13 feet, 1.84 feet, 0.71 feet and 0.68 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-9 is monitored on a quarterly schedule. Monitor well MW-9 was not sampled during the 1st, 2nd, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 7.36 feet, 2.67 feet, 2.09 feet and 1.92 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-10 is monitored / sampled on a quarterly schedule. Monitor well MW-10 was not sampled during the 1st, 2nd, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 6.44 feet, 7.63 feet, 2.09 feet and 1.92 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-11 is sampled on a quarterly schedule. Monitor well MW-11 was not sampled during the 1st, 2nd, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 2.61 feet, 4.13 feet, 0.74 feet and 0.55 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-12 is sampled on a quarterly schedule. Analytical results indicate benzene concentrations ranged from 0.0782 mg/L during the 1st quarter to 0.982 mg/L during the 2nd quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and the NMOCD regulatory standards during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from <0.001 mg/L during the 1st quarter to 0.0259 mg/L during the 2nd quarter of 2010. Ethyl-benzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from 0.0071 mg/L during the 1st quarter to 0.0982 mg/L during the 4th quarter of 2010. Xylene concentrations were below

NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-13 is sampled on a quarterly schedule. Analytical results indicate benzene concentrations ranged from 8.820 mg/L during the 4th quarter to 11.400 mg/L during the 2nd quarter of 2010. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and the NMOCD regulatory standards during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from <0.050 mg/L during the 3rd and 4th quarters to 0.2920 mg/L during the 1st quarter of 2010. Ethyl-benzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.050 mg/L during the 2nd, 3rd and 4th quarters to 0.257 mg/L during the 1st quarter of 2010. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4th quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00669 mg/L), 1-methylnaphthalene (0.006388 mg/L), fluorine (0.000569 mg/L), phenanthrene (0.000609 mg/L) and dibenzofuran (0.000356 mg/L), which are below WQCC standards.

Monitor well MW-14 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-15 was installed on March 13, 2010. MW-15 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standards during the 3rd and 4th quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-16 was installed on March 13, 2010. MW-16 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standards during the 3rd and 4th quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Monitor well MW-17 was installed on March 13, 2010. MW-17 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standards during the 3rd and 4th quarters of the reporting period. PAH analysis was not conducted during the 4th quarter sampling event.

Recovery well RW-1 is monitored on a quarterly schedule. Recovery well RW-1 was not sampled during the 1st, 2nd, 3rd and 4th quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 4.15 feet, 0.44 feet, 1.73 feet and 1.62 feet were reported during the 1st, 2nd, 3rd and 4th quarters of 2010, respectively. PAH analysis was not conducted during the 4th quarter sampling event.

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

SUMMARY

This report presents the results of monitoring activities for the 2010 annual monitoring period. Currently, there are seventeen (17) monitor wells and one (1) recovery well (RW-1) on site. Monitor wells MW-15, MW-16 and MW-17 were installed in March 2010. An automated recovery system was operational during the 2010 reporting period. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of 0.004 feet/foot to the east-northeast.

Seven monitor wells and one recovery well (MW-3 through MW-5, MW-8 through MW-11 and RW-1) contained measurable thicknesses of PSH during the reporting period. The average thickness of PSH in monitor and recovery wells exhibiting PSH during 2010 was 1.54 feet. Approximately 202 gallons (approximately 4.8 barrels) of PSH was recovered from the site during the 2010 reporting period. Approximately 2,794 gallons (approximately 66.5 barrels) of PSH have been recovered since the project inception.

Review of laboratory analytical results of the groundwater samples obtained during the 2010 monitoring period indicates the BTEX constituent concentrations are below applicable NMOCD standards in eight of the seventeen monitor wells. Monitor wells MW-3 through MW-5, MW-8 through MW-11 and recovery well RW-1 consistently exhibited measurable thicknesses of PSH during gauging events. Dissolved phase and phase separated hydrocarbon impact appears to be limited to monitor wells MW-12 and MW-13. Review of PAH analysis indicates a decreasing trend in constituent concentrations in monitor well MW-13.

ANTICIPATED ACTIONS

Groundwater monitoring and groundwater sampling will continue in 2011. The onsite automated recovery system will continue to operate and may be modified, as conditions require. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2012.

A *Stage 1 and Stage 2 Abatement Plan* was submitted to the NMOCD in October 2006. The NMOCD has accepted the Abatement Plan as administratively complete and public notice approval is pending.

Based on the results of the PAH analysis over the past several years, further PAH analysis will be conducted only on monitor well MW-13. As the PSH plume decreases, other wells will be sampled as necessary, which have historically exhibited PSH or elevated PAH constituents near or above the WQCC standards.

LIMITATIONS

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

NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA 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. NOVA has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

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

DISTRIBUTION

Copy 1
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New Mexico Energy, Minerals and Natural Resources Department
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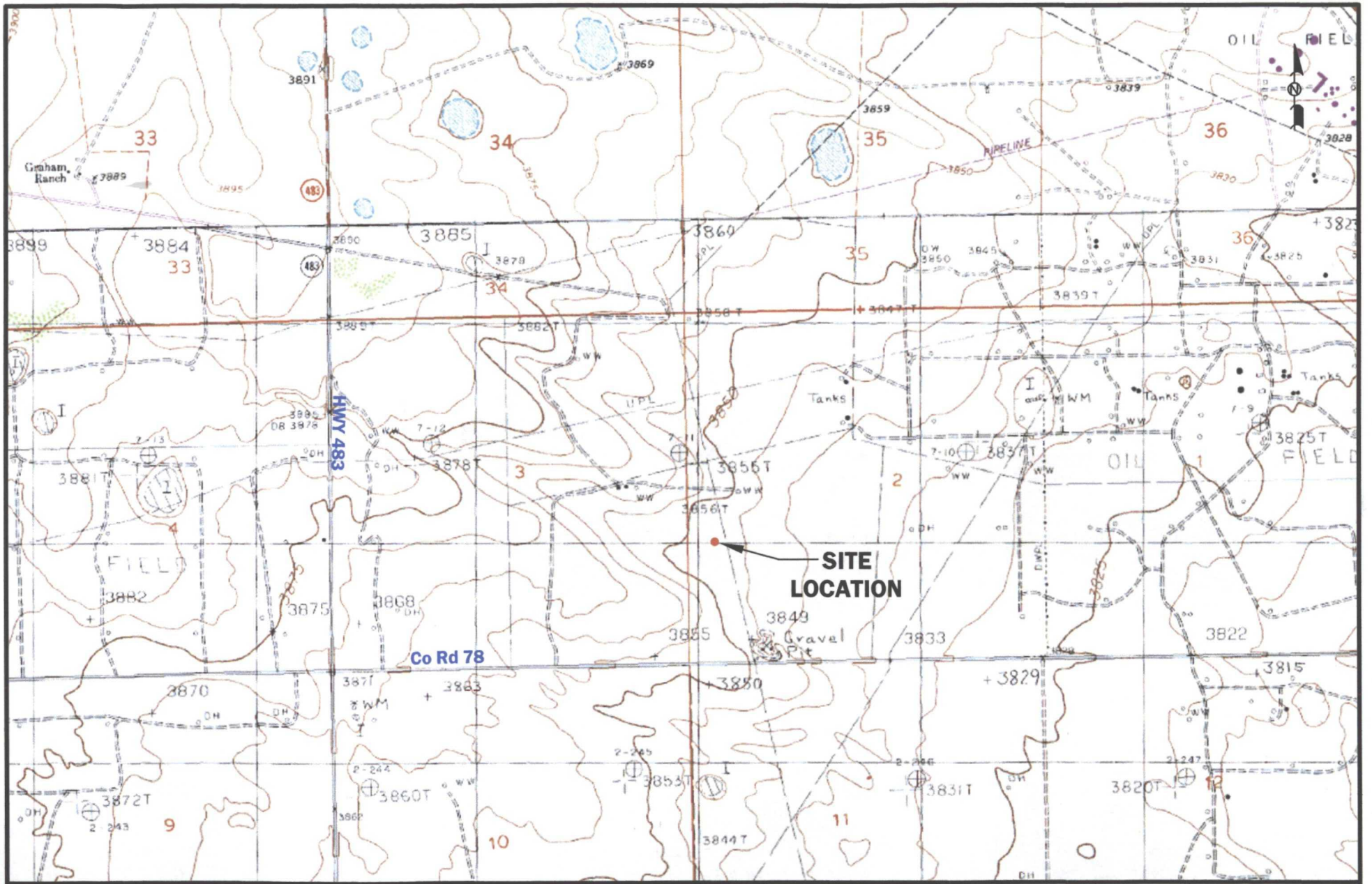
rrounsaville@novatraining.cc

Figures



LEGEND:

2000 1000 0 1000 2000

Distance in Feet

NMOCD Reference #1R-0456

Figure 1
Site Location Map
34 Junction South Station
Plains Marketing, L.P.
Lea County, NM

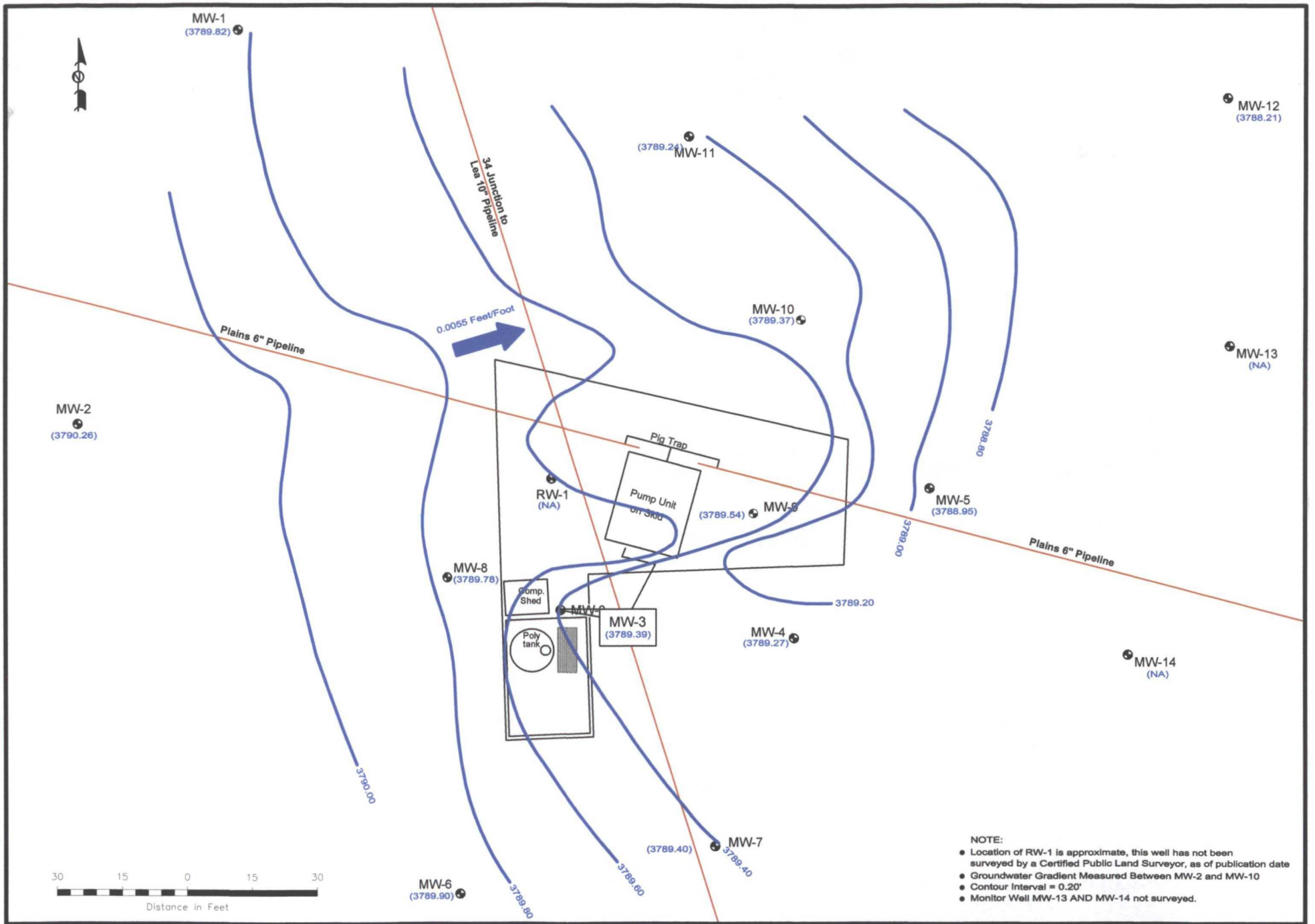
NOVA safety and environmental

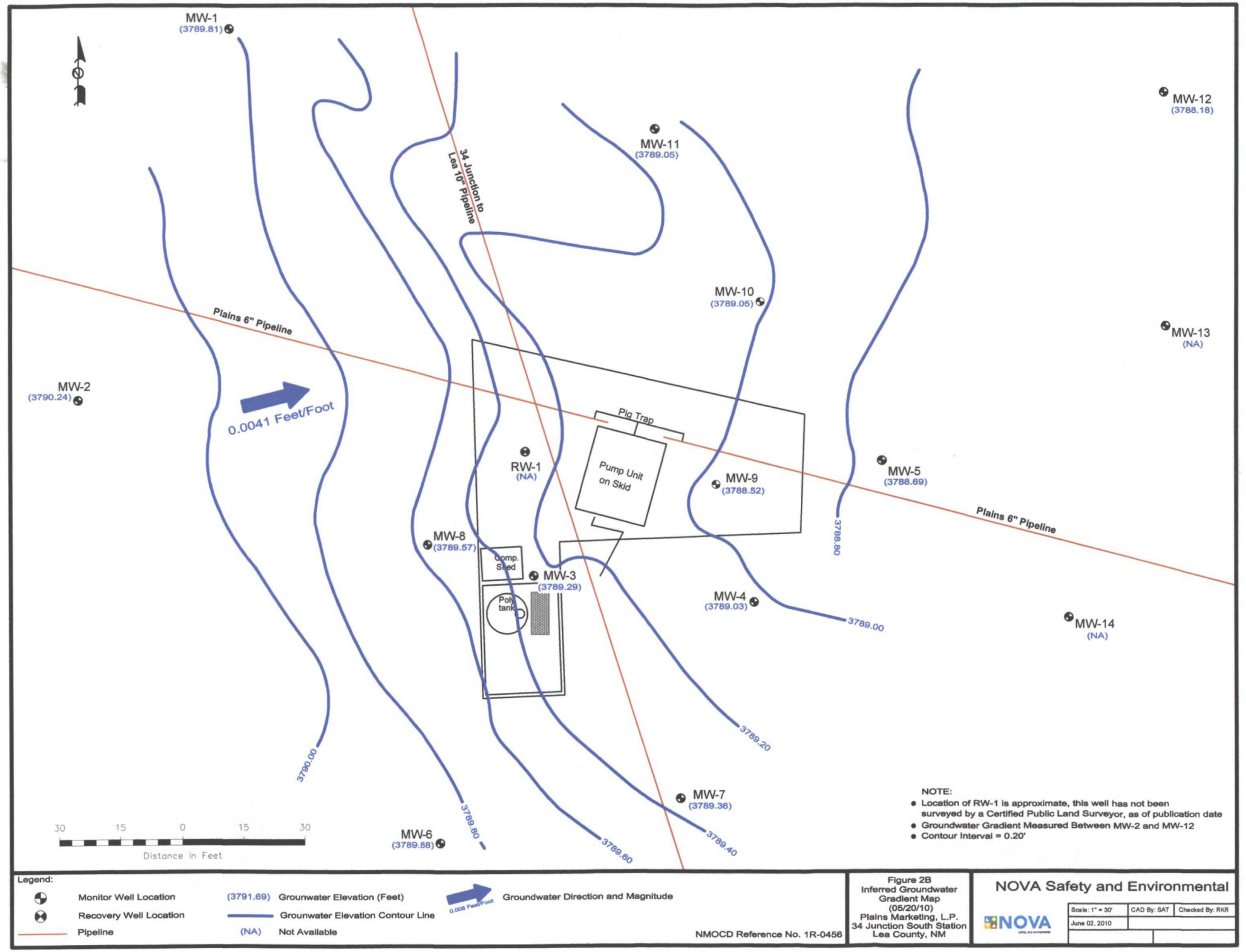
2057 Commerce Drive
Midland, Texas 79703
432.520.7720

www.novasafetyandenvironmental.com

January 27, 2011	Scale: 1" = 2000'	CAD By: TA	Checked By: RKR

LATITUDE & LONGITUDE COORDINATES: N 32° 51' 42.4" W 103° 19' 54.4"


MW-1
(3789.82)
MW-12
(3788.21)
(3789.24)
MW-11
34 Junction to
Lea 10" Pipeline
0.0055 Feet/Foot
MW-10
(3789.37)
MW-13
(NA)
Plains 6" Pipeline
MW-2
(3790.26)
Pig Trap
Pump Unit
on Skid
RW-1
(NA)
(3789.54)
MW-9
MW-5
(3788.95)
3788.80
3789.00
Plains 6" Pipeline
MW-8
(3789.78)
Comp.
Shed
3789.20
MW-3
(3789.39)
Poly
tank
MW-4
(3789.27)
MW-14
(NA)
3790.00
(3789.40)
MW-7
3789.40
3789.60
3789.80
MW-6
(3789.90)
30 15 0 15 30
Distance in Feet
NOTE:
• Location of RW-1 is approximate, this well has not been surveyed by a Certified Public Land Surveyor, as of publication date
• Groundwater Gradient Measured Between MW-2 and MW-10
• Contour Interval = 0.20'
• Monitor Well MW-13 AND MW-14 not surveyed.
Legend:
Monitor Well Location
Recovery Well Location
Pipeline
(3791.69) Grounwater Elevation (Feet)
Grounwater Elevation Contour Line
(NA) Not Available
0.008 Feet/Foot
Groundwater Direction and Magnitude
NMOCD Reference No. 1R-0456
Figure 2A
Inferred Groundwater
Gradient Map
(02/11/10)
Plains Marketing, L.P.
34 Junction South Station
Lea County, NM
NOVA Safety and Environmental
NOVA
Scale: 1" = 30'
CAD By: SAT
Checked By: RKR
April 25, 2010


MW-1
(3789.81)
MW-12
(3788.18)
MW-11
(3789.05)
34 Junction to
Lea 10" Pipeline
MW-10
(3789.05)
Plains 6" Pipeline
MW-13
(NA)
MW-2
(3790.24)
0.0041 Feet/Foot
Pig Trap
RW-1
(NA)
Pump Unit
on Skid
MW-9
(3788.52)
MW-5
(3788.69)
Plains 6" Pipeline
3788.80
MW-8
(3789.57)
Comp.
Shed
MW-3
(3789.29)
Poly
tank
MW-4
(3789.03)
3789.00
MW-14
(NA)
3789.20
3790.00
3789.80
MW-7
(3789.36)
3789.60
3789.40
MW-6
(3789.88)
30 15 0 15 30
Distance in Feet
NOTE:
• Location of RW-1 is approximate, this well has not been surveyed by a Certified Public Land Surveyor, as of publication date
• Groundwater Gradient Measured Between MW-2 and MW-12
• Contour Interval = 0.20'
Legend:
Monitor Well Location
Recovery Well Location
Pipeline
(3791.69) Grounwater Elevation (Feet)
Grounwater Elevation Contour Line
(NA) Not Available
0.008 Feet/Foot
Groundwater Direction and Magnitude
NMOCD Reference No. 1R-0456
Figure 2B
Inferred Groundwater
Gradient Map
(05/20/10)
Plains Marketing, L.P.
34 Junction South Station
Lea County, NM
NOVA Safety and Environmental
NOVA
Scale: 1" = 30'
CAD By: SAT
Checked By: RKR
June 02, 2010

NOTE:
- Location of RW-1 is approximate, this well has not been surveyed by a Certified Public Land Surveyor, as of publication date
- Groundwater Gradient Measured Between MW-2 and MW-12
- Contour Interval = 0.20'
- RW-1, MW-13, MW-14, MW-15, MW-16, and MW-17 not used to Construct Map.

MW-17 (NA)

MW-1 (3789.49)

MW-2 (3789.99)

MW-3 (3789.00)

MW-4 (3788.93)

MW-5 (3788.69)

MW-6 (3789.59)

MW-7 (3789.17)

MW-8 (3789.50)

MW-9 (3789.06)

MW-10 (3788.94)

MW-11 (3788.85)

MW-12 (3788.19)

MW-13 (NA)

MW-14 (NA)

MW-15 (NA)

MW-16 (NA)

RW-1 (NA)

3789.80
3789.60
3789.40
3789.20
3789.00
3788.80
3788.60
3788.40
3788.20

34 Junction to Lea 10" Pipeline

Plains 6" Pipeline

Plains 6" Pipeline

Pig Trap

Pump Unit on Skid

Comp. Shed

Pond

0.004 Feet/Foot

30 15 0 15 30
Distance in Feet

Legend:
- Monitor Well Location
- Recovery Well Location
- Pipeline
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line
- (NA) Not Available
- Groundwater Direction and Magnitude

NMOCD Reference No. 1R-0456

Figure 2C
Inferred Groundwater Gradient Map
(08/19/10)
Plains Marketing, L.P.
34 Junction South Station
Lea County, NM

NOVA safety and environmental

Scale: 1" = 30'	CAD By: TA	Checked By: RKR
September 8, 2010		

NOTE:
- Location of RW-1 is approximate, this well has not been surveyed by a Certified Public Land Surveyor, as of publication date
- Groundwater Gradient Measured Between MW-2 and MW-12
- Contour Interval = 0.20'
- RW-1, MW-13, MW-14, MW-15, MW-16, and MW-17 not used to Construct Map.

MW-17 (NA)

MW-1 (3789.93)

MW-2 (3790.40)

MW-3 (3788.98)

MW-4 (3788.91)

MW-5 (3788.48)

MW-6 (3789.57)

MW-7 (3789.69)

MW-8 (3789.53)

MW-9 (3789.15)

MW-10 (3788.91)

MW-11 (3788.81)

MW-12 (3788.36)

MW-13 (NA)

MW-14 (NA)

MW-15 (NA)

MW-16 (NA)

RW-1 (NA)

3790.00 3789.80 3789.60 3789.40 3789.20 3789.00 3788.80 3788.60 3788.40 3788.40 3788.60 3788.80 3789.00 3789.20 3789.40 3789.60 3789.80 3790.00 3790.20 3790.40

0.004 Feet/Foot

Junction to Lea Station Pipeline

Plains 6" Pipeline

Pig Trap

Pump Unit on Skid

Comp. Shed

Poly tank

30 15 0 15 30
Distance in Feet

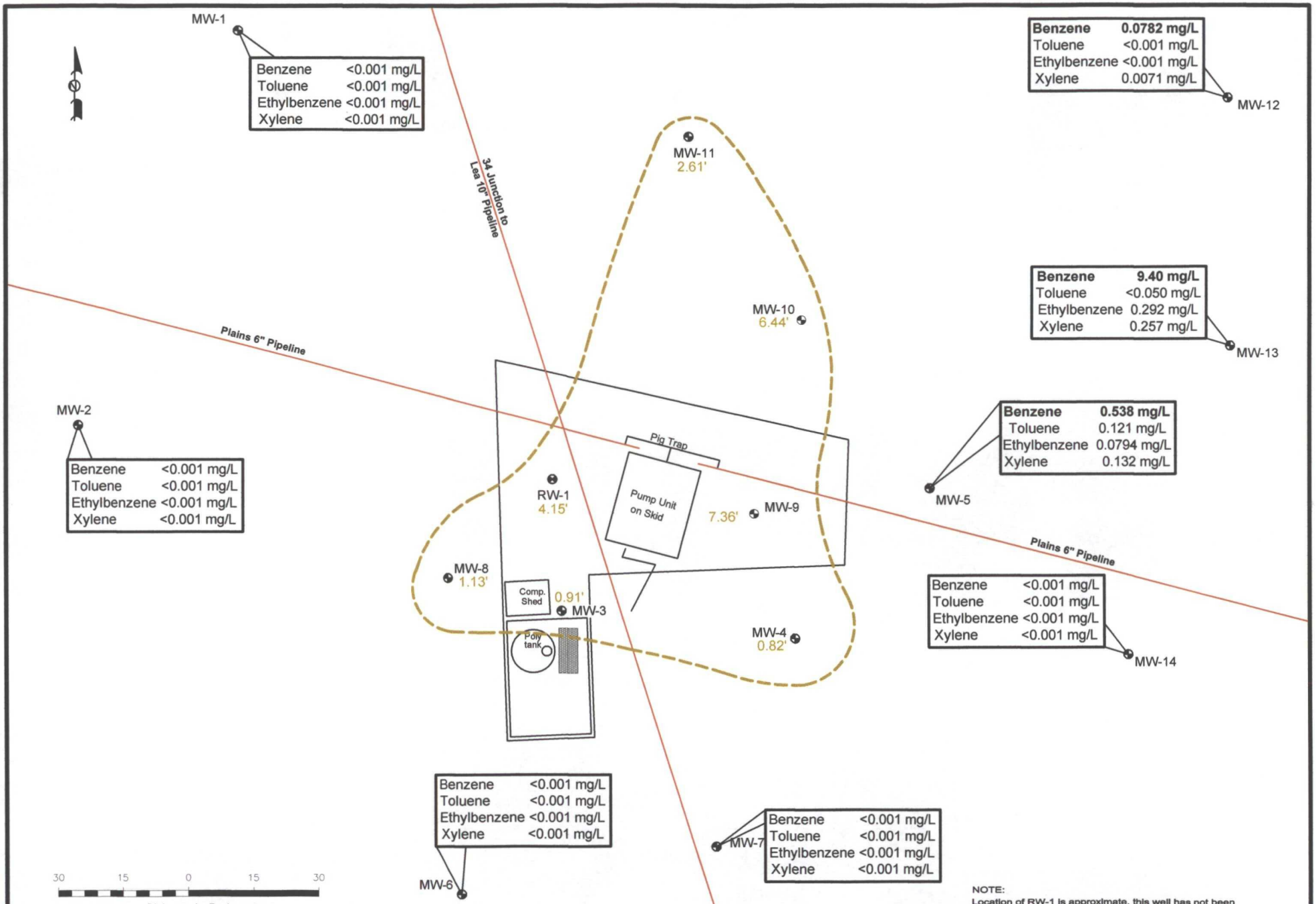
Legend:
- Monitor Well Location
- Recovery Well Location
- Pipeline
- (3791.69) Grounwater Elevation (Feet)
- Grounwater Elevation Contour Line
- (NA) Not Available
- Groundwater Direction and Magnitude

NMOCD Reference No. 1R-0456

Figure 2D
Inferred Groundwater Gradient Map
(1/19/10)
Plains Marketing, L.P.
34 Junction South Station
Lea County, NM

NOVA safety and environmental

Scale: 1" = 30'	CAD By: TA	Checked By: RKR
January 6, 2010		



Legend:

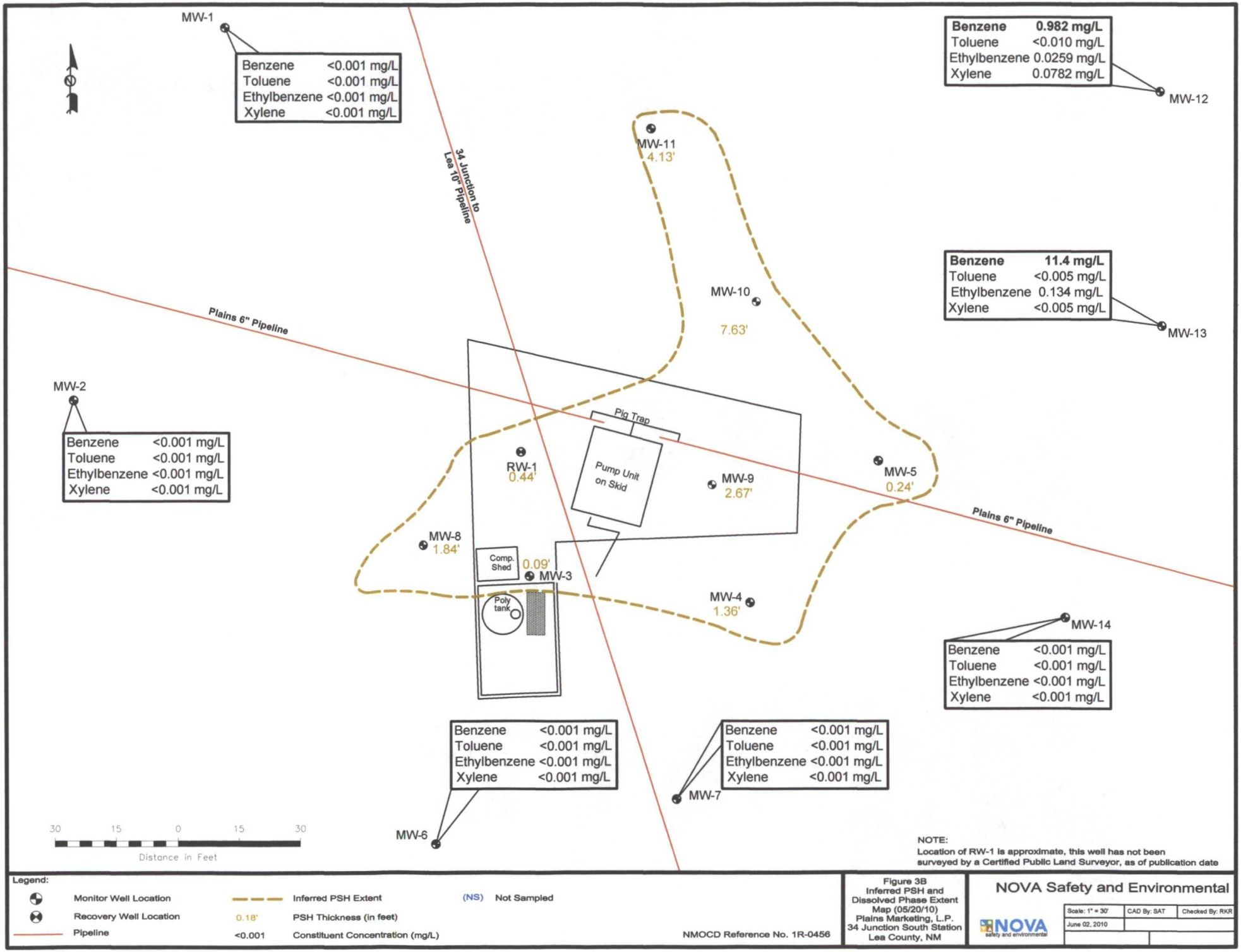
- Monitor Well Location
- Recovery Well Location
- Pipeline
- Inferred PSH Extent
- 0.18' PSH Thickness (in feet)
- <0.001 Constituent Concentration (mg/L)
- (NS) Not Sampled

NMOCD Reference No. 1R-0456

Figure 3A
Inferred PSH and Dissolved Phase Extent Map (02/11/2010)
Plains Marketing, L.P.
34 Junction South Station
Lea County, NM

NOVA Safety and Environmental

Scale: 1" = 30'	CAD By: SAT	Checked By: RKR
April 24, 2010		


MW-1
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene 0.982 mg/L
Toluene <0.010 mg/L
Ethylbenzene 0.0259 mg/L
Xylene 0.0782 mg/L
MW-12
34 Junction to Lea 10" Pipeline
MW-11
4.13'
Benzene 11.4 mg/L
Toluene <0.005 mg/L
Ethylbenzene 0.134 mg/L
Xylene <0.005 mg/L
MW-13
MW-10
7.63'
Plains 6" Pipeline
MW-2
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Pig Trap
Pump Unit on Skid
RW-1
0.44'
MW-9
2.67'
MW-5
0.24'
Plains 6" Pipeline
MW-8
1.84'
Comp. Shed
0.09'
MW-3
Poly tank
MW-4
1.36'
MW-14
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-6
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-7
30 15 0 15 30
Distance in Feet
NOTE:
Location of RW-1 is approximate, this well has not been surveyed by a Certified Public Land Surveyor, as of publication date
Legend:
Monitor Well Location
Recovery Well Location
Pipeline
Inferred PSH Extent
0.18' PSH Thickness (in feet)
<0.001 Constituent Concentration (mg/L)
(NS) Not Sampled
NMOCD Reference No. 1R-0456
Figure 3B
Inferred PSH and Dissolved Phase Extent Map (05/20/10)
Plains Marketing, L.P.
34 Junction South Station
Lea County, NM
NOVA Safety and Environmental
Scale: 1" = 30'
CAD By: SAT
Checked By: RKR
June 02, 2010

NOTE:
Location of RW-1 is approximate, this well has not been surveyed by a Certified Public Land Surveyor, as of publication date

MW-17
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

MW-1
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

34 Junction to Lea 10" Pipeline

MW-11
0.74'

MW-12
Benzene 0.635 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene 0.0306 mg/L

MW-10
2.09'

Plains 6" Pipeline

MW-13
Benzene 10.200 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

MW-16
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

MW-2
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

Pig Trap
Pump Unit on Skid
RW-1
1.70'
MW-9
2.09'
MW-5
1.07'
MW-8
0.71'
Comp. Shed
0.15'
MW-3
Poly tank
MW-4
0.66'

Plains 6" Pipeline

MW-14
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-7

MW-15
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-6

NMOCD Reference No. 1R-0456

Legend:
- Monitor Well Location
- Recovery Well Location
- Pipeline
- Proposed Monitor Well
- 0.18' PSH Thickness (in feet)
- <0.001 Constituent Concentration (mg/L)
- Inferred PSH Extent
- (NS) Not Sampled

Figure 3C
Inferred PSH and Dissolved Phase Extent Map (6/19/10)
Plains Marketing, L.P.
34 Junction South Station
Lea County, NM

NOVA safety and environmental

Scale: 1" = 30'	CAD By: TA	Checked By: RKR
September 8, 2010		

NOTE:
Location of RW-1 is approximate, this well has not been surveyed by a Certified Public Land Surveyor, as of publication date

MW-17
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

MW-1
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

34 Junction to Lea 10" Pipeline

MW-11
0.55'

MW-12
Benzene 0.619 mg/L
Toluene <0.010 mg/L
Ethylbenzene <0.010 mg/L
Xylene 0.0982 mg/L

MW-10
1.92'

Plains 6" Pipeline

MW-13
Benzene 8.82 mg/L
Toluene <0.050 mg/L
Ethylbenzene <0.050 mg/L
Xylene <0.050 mg/L

MW-16
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

MW-2
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

Pig Trap
Pump Unit on Skid
RW-1
1.62'
MW-9
1.92'
MW-5
1.12'
MW-8
0.68'
Comp. Shed
0.06'
MW-3
Poly tank
MW-4
0.53'

Plains 6" Pipeline

MW-14
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-7

MW-15
Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L

Benzene <0.001 mg/L
Toluene <0.001 mg/L
Ethylbenzene <0.001 mg/L
Xylene <0.001 mg/L
MW-6

NMOCD Reference No. 1R-0456

Legend:
- Monitor Well Location
- Recovery Well Location
- Pipeline
- Proposed Monitor Well
- 0.18' PSH Thickness (in feet)
- <0.001 Constituent Concentration (mg/L)
- Inferred PSH Extent
- (NS) Not Sampled

Figure 3D
Inferred PSH and Dissolved Phase Extent Map (11/19/10)
Plains Marketing, L.P.
34 Junction South Station
Lea County, NM

NOVA safety and environmental

Scale: 1" = 30'	CAD By: TA	Checked By: RKR
December 22, 2010		

Tables

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NO. 1R-0456

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 1	01/12/10	3,850.68	-	60.81	0.00	3,789.87
MW - 1	*02/11/10*	3,850.68	-	60.86	0.00	3,789.82
MW - 1	*05/21/10*	3,850.68	-	60.87	0.00	3,789.81
MW - 1	*08/19/10*	3,850.68	-	61.19	0.00	3,789.49
MW - 1	*11/19/10*	3,850.68	-	60.75	0.00	3,789.93
MW - 2	01/12/10	3,850.67	-	60.34	0.00	3,790.33
MW - 2	*02/11/10*	3,850.67	-	60.41	0.00	3,790.26
MW - 2	*05/21/10*	3,850.67	-	60.43	0.00	3,790.24
MW - 2	*08/19/10*	3,850.67	-	60.68	0.00	3,789.99
MW - 2	*11/19/10*	3,850.67	-	60.27	0.00	3,790.40
MW - 3	01/12/10	3,850.43	61.23	62.87	1.64	3,788.95
MW - 3	*02/11/10*	3,850.43	60.90	61.81	0.91	3,789.39
MW - 3	*05/21/10*	3,850.43	61.13	61.22	0.09	3,789.29
MW - 3	*08/19/10*	3,850.43	61.41	61.56	0.15	3,789.00
MW - 3	*11/19/10*	3,850.43	61.44	61.50	0.06	3,788.98
MW - 4	01/12/10	3,850.26	60.86	61.98	1.12	3,789.23
MW - 4	01/18/10	3,850.26	60.79	61.62	0.83	3,789.35
MW - 4	02/02/10	3,850.26	60.71	62.24	1.53	3,789.32
MW - 4	*02/11/10*	3,850.26	60.87	61.69	0.82	3,789.27
MW - 4	02/18/10	3,850.26	60.81	62.07	1.26	3,789.26
MW - 4	02/25/10	3,850.26	60.99	61.85	0.86	3,789.14
MW - 4	03/02/10	3,850.26	61.02	61.62	0.60	3,789.15
MW - 4	03/04/10	3,850.26	60.99	61.15	0.16	3,789.25
MW - 4	03/10/10	3,850.26	60.96	61.47	0.51	3,789.22
MW - 4	03/12/10	3,850.26	61.07	61.49	0.42	3,789.13
MW - 4	03/15/10	3,850.26	60.99	61.57	0.58	3,789.18
MW - 4	03/14/10	3,850.26	60.99	61.60	0.61	3,789.18
MW - 4	03/22/10	3,850.26	61.09	61.59	0.50	3,789.10
MW - 4	03/24/10	3,850.26	61.14	61.44	0.30	3,789.08
MW - 4	03/30/10	3,850.26	61.08	61.59	0.51	3,789.10
MW - 4	04/07/10	3,850.26	61.08	61.90	0.82	3,789.06
MW - 4	04/12/10	3,850.26	61.02	61.50	0.48	3,789.17
MW - 4	04/15/10	3,850.26	61.04	61.48	0.44	3,789.15
MW - 4	04/20/10	3,850.26	61.11	61.65	0.54	3,789.07
MW - 4	04/27/10	3,850.26	61.11	61.70	0.59	3,789.06
MW - 4	05/07/10	3,850.26	61.05	61.42	0.37	3,789.15
MW - 4	05/12/10	3,850.26	61.08	61.38	0.30	3,789.14
MW - 4	*05/21/10*	3,850.26	61.03	62.39	1.36	3,789.03
MW - 4	05/25/10	3,850.26	61.03	61.83	0.80	3,789.11
MW - 4	05/27/10	3,850.26	61.10	61.51	0.41	3,789.10
MW - 4	06/01/10	3,850.26	61.05	61.81	0.76	3,789.10
MW - 4	06/09/10	3,850.26	61.07	61.79	0.72	3,789.08
MW - 4	06/16/10	3,850.26	60.96	62.28	1.32	3,789.10
MW - 4	06/28/10	3,850.26	61.00	62.78	1.78	3,788.99
MW - 4	07/09/10	3,850.26	60.95	62.26	1.31	3,789.11
MW - 4	07/14/10	3,850.26	61.02	62.33	1.31	3,789.04
MW - 4	07/22/10	3,850.26	61.15	61.89	0.74	3,789.00
MW - 4	07/29/10	3,850.26	61.16	61.92	0.76	3,788.99

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NO. 1R-0456

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 4	08/05/10	3,850.26	61.18	61.89	0.71	3,788.97
MW - 4	08/12/10	3,850.26	61.20	61.83	0.63	3,788.97
MW - 4	*08/19/10*	3,850.26	61.23	61.89	0.66	3,788.93
MW - 4	*11/19/10*	3,850.26	61.27	61.80	0.53	3,788.91
MW - 5	01/12/10	3,849.77	-	60.76	0.00	3,789.01
MW - 5	*02/11/10*	3,849.77	-	60.82	0.00	3,788.95
MW - 5	*05/21/10*	3,849.77	61.04	61.28	0.24	3,788.69
MW - 5	05/27/10	3,849.77	60.95	61.21	0.26	3,788.78
MW - 5	*08/19/10*	3,849.77	60.93	62.00	1.07	3,788.68
MW - 5	09/30/10	3,849.77	61.09	61.75	0.66	3,788.58
MW - 5	10/07/10	3,849.77	61.11	61.74	0.63	3,788.57
MW - 5	10/14/10	3,849.77	61.10	61.72	0.62	3,788.58
MW - 5	10/21/10	3,849.77	61.09	61.70	0.61	3,788.59
MW - 5	10/27/10	3,849.77	61.11	61.68	0.57	3,788.57
MW - 5	11/04/10	3,849.77	61.06	62.57	1.51	3,788.48
MW - 5	11/11/10	3,849.77	61.05	62.35	1.30	3,788.53
MW - 5	*11/19/10*	3,849.77	60.95	62.07	1.12	3,788.65
MW - 5	12/01/10	3,849.77	61.23	62.18	0.95	3,788.40
MW - 5	12/08/10	3,849.77	61.13	62.21	1.08	3,788.48
MW - 5	12/22/10	3,849.77	61.22	62.16	0.94	3,788.41
MW - 5	12/30/10	3,849.77	61.27	62.08	0.81	3,788.38
MW - 6	01/12/10	3,851.10	-	61.18	0.00	3,789.92
MW - 6	*02/11/10*	3,851.10	-	61.20	0.00	3,789.90
MW - 6	*05/21/10*	3,851.10	-	61.22	0.00	3,789.88
MW - 6	*08/19/10*	3,851.10	-	61.51	0.00	3,789.59
MW - 6	*11/19/10*	3,851.10	-	61.53	0.00	3,789.57
MW - 7	01/12/10	3,847.03	-	57.58	0.00	3,789.45
MW - 7	*02/11/10*	3,847.03	-	57.63	0.00	3,789.40
MW - 7	*05/21/10*	3,847.03	-	57.67	0.00	3,789.36
MW - 7	*08/19/10*	3,847.03	-	57.86	0.00	3,789.17
MW - 7	*11/19/10*	3,847.03	-	57.34	0.00	3,789.69
MW - 8	01/12/10	3,851.00	61.02	62.34	1.32	3,789.78
MW - 8	01/18/10	3,851.00	61.05	61.79	0.74	3,789.84
MW - 8	02/02/10	3,851.00	60.87	62.83	1.96	3,789.84
MW - 8	*02/11/10*	3,851.00	61.05	62.18	1.13	3,789.78
MW - 8	02/18/10	3,851.00	60.94	62.64	1.70	3,789.81
MW - 8	02/25/10	3,851.00	61.18	62.07	0.89	3,789.69
MW - 8	03/02/10	3,851.00	61.26	61.80	0.54	3,789.66
MW - 8	03/04/10	3,851.00	61.21	61.46	0.25	3,789.75
MW - 8	03/10/10	3,851.00	61.14	61.93	0.79	3,789.74
MW - 8	03/12/10	3,851.00	61.32	61.60	0.28	3,789.64
MW - 8	03/15/10	3,851.00	61.21	61.73	0.52	3,789.71
MW - 8	03/18/10	3,851.00	61.17	61.90	0.73	3,789.72
MW - 8	03/22/10	3,851.00	61.20	62.10	0.90	3,789.67
MW - 8	03/24/10	3,851.00	61.38	61.61	0.23	3,789.59
MW - 8	03/30/10	3,851.00	61.29	61.88	0.59	3,789.62
MW - 8	04/07/10	3,851.00	61.29	62.09	0.80	3,789.59

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NO. 1R-0456

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 8	04/12/10	3,851.00	61.24	61.77	0.53	3,789.68
MW - 8	04/15/10	3,851.00	61.25	61.76	0.51	3,789.67
MW - 8	04/20/10	3,851.00	61.26	62.14	0.88	3,789.61
MW - 8	04/27/10	3,851.00	61.31	62.02	0.71	3,789.58
MW - 8	05/07/10	3,851.00	61.27	61.74	0.47	3,789.66
MW - 8	05/12/10	3,851.00	61.29	61.72	0.43	3,789.65
MW - 8	05/20/10	3,851.00	61.15	62.99	1.84	3,789.57
MW - 8	*05/21/10*	3,851.00	61.15	62.99	1.84	3,789.57
MW - 8	05/25/10	3,851.00	61.05	63.05	2.00	3,789.65
MW - 8	05/27/10	3,851.00	61.33	61.74	0.41	3,789.61
MW - 8	06/01/10	3,851.00	61.06	63.03	1.97	3,789.64
MW - 8	06/09/10	3,851.00	61.08	63.04	1.96	3,789.63
MW - 8	06/16/10	3,851.00	61.07	63.13	2.06	3,789.62
MW - 8	06/28/10	3,851.00	61.15	63.20	2.05	3,789.54
MW - 8	07/09/10	3,851.00	61.09	63.11	2.02	3,789.61
MW - 8	07/14/10	3,851.00	61.16	62.94	1.78	3,789.57
MW - 8	07/22/10	3,851.00	61.31	62.26	0.95	3,789.55
MW - 8	07/29/10	3,851.00	61.29	62.72	1.43	3,789.50
MW - 8	08/05/10	3,851.00	61.38	62.10	0.72	3,789.51
MW - 8	08/12/10	3,851.00	61.40	62.11	0.71	3,789.49
MW - 8	*08/19/10*	3,851.00	61.39	62.10	0.71	3,789.50
MW - 8	*11/19/10*	3,851.00	61.37	62.05	0.68	3,789.53
MW - 9	01/12/10	3,851.04	60.32	67.23	6.91	3,789.68
MW - 9	*02/11/10*	3,851.04	60.40	67.76	7.36	3,789.54
MW - 9	*05/21/10*	3,851.04	62.12	64.79	2.67	3,788.52
MW - 9	*08/19/10*	3,851.04	61.67	63.76	2.09	3,789.06
MW - 9	*11/19/10*	3,851.04	61.60	63.52	1.92	3,789.15
MW - 10	01/12/10	3,851.07	60.59	67.59	7.00	3,789.43
MW - 10	*02/11/10*	3,851.07	60.73	67.17	6.44	3,789.37
MW - 10	*05/21/10*	3,851.07	60.88	68.51	7.63	3,789.05
MW - 10	*08/19/10*	3,851.07	61.82	63.91	2.09	3,788.94
MW - 10	*11/19/10*	3,851.07	61.87	63.79	1.92	3,788.91
MW - 11	01/12/10	3,850.96	61.24	64.30	3.06	3,789.26
MW - 11	01/18/10	3,850.96	61.39	63.30	1.91	3,789.28
MW - 11	02/02/10	3,850.96	61.07	63.59	2.52	3,789.51
MW - 11	*02/11/10*	3,850.96	61.33	63.94	2.61	3,789.24
MW - 11	02/18/10	3,850.96	61.13	64.84	3.71	3,789.27
MW - 11	02/25/10	3,850.96	61.44	63.89	2.45	3,789.15
MW - 11	03/02/10	3,850.96	61.58	63.35	1.77	3,789.11
MW - 11	03/04/10	3,850.96	61.64	62.69	1.05	3,789.16
MW - 11	03/10/10	3,850.96	61.36	63.66	2.30	3,789.26
MW - 11	03/12/10	3,850.96	61.69	62.92	1.23	3,789.09
MW - 11	03/15/10	3,850.96	61.55	63.36	1.81	3,789.14
MW - 11	03/18/10	3,850.96	61.56	63.21	1.65	3,789.15
MW - 11	03/22/10	3,850.96	61.65	63.10	1.45	3,789.09
MW - 11	03/24/10	3,850.96	61.79	62.73	0.94	3,789.03
MW - 11	03/30/10	3,850.96	61.65	63.29	1.64	3,789.06

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NO. 1R-0456

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 11	04/07/10	3,850.96	61.58	63.71	2.13	3,789.06
MW - 11	04/12/10	3,850.96	61.62	63.19	1.57	3,789.10
MW - 11	04/15/10	3,850.96	61.64	63.16	1.52	3,789.09
MW - 11	04/20/10	3,850.96	61.59	63.75	2.16	3,789.05
MW - 11	04/27/10	3,850.96	61.62	63.64	2.02	3,789.04
MW - 11	05/07/10	3,850.96	61.66	63.16	1.50	3,789.08
MW - 11	05/12/10	3,850.96	61.70	63.13	1.43	3,789.05
MW - 11	*05/21/10*	3,850.96	61.29	65.42	4.13	3,789.05
MW - 11	05/25/10	3,850.96	61.14	65.36	4.22	3,789.19
MW - 11	05/27/10	3,850.96	61.65	63.40	1.75	3,789.05
MW - 11	06/01/10	3,850.96	61.13	65.33	4.20	3,789.20
MW - 11	06/09/10	3,850.96	61.12	65.29	4.17	3,789.21
MW - 11	06/16/10	3,850.96	62.24	65.68	3.44	3,788.20
MW - 11	06/28/10	3,850.96	61.15	66.16	5.01	3,789.06
MW - 11	07/09/10	3,850.96	62.24	65.64	3.40	3,788.21
MW - 11	07/14/10	3,850.96	61.24	65.65	4.41	3,789.06
MW - 11	07/22/10	3,850.96	61.52\	64.49	2.97	3,788.99
MW - 11	07/29/10	3,850.96	61.69	63.85	2.16	3,788.95
MW - 11	08/05/10	3,850.96	61.75	63.84	2.09	3,788.90
MW - 11	08/12/10	3,850.96	61.73	63.78	2.05	3,788.92
MW - 11	08/18/10	3,850.96	61.71	63.89	2.18	3,788.92
MW - 11	*08/19/10*	3,850.96	62.00	62.74	0.74	3,788.85
MW - 11	08/26/10	3,850.96	61.71	64.02	2.31	3,788.90
MW - 11	09/02/10	3,850.96	61.75	63.83	2.08	3,788.90
MW - 11	09/08/10	3,850.96	62.02	62.70	0.68	3,788.84
MW - 11	*11/19/10*	3,850.96	62.07	62.62	0.55	3,788.81
MW - 12	01/12/10	3,850.45	-	62.16	0.00	3,788.29
MW - 12	*02/11/10*	3,850.45	-	62.24	0.00	3,788.21
MW - 12	*05/21/10*	3,850.45	-	62.27	0.00	3,788.18
MW - 12	*08/19/10*	3,850.45	-	62.26	0.00	3,788.19
MW - 12	*11/19/10*	3,850.45	-	62.09	0.00	3,788.36
MW - 13	01/12/10	-	-	62.13		
MW - 13	*02/11/10*	-	-	62.21		
MW - 13	*05/21/10*	-	-	62.24		
MW - 13	*08/19/10*	-	-	62.25		
MW - 13	*11/19/10*	-	-	62.11		
MW - 14	01/12/10	-	-	61.98		
MW - 14	*02/11/10*	-	-	62.07		
MW - 14	*05/21/10*	-	-	62.07		
MW - 14	*08/19/10*	-	-	62.07		
MW - 14	*11/19/10*	-	-	61.95		
MW - 15	04/21/10	-	-	62.70		
MW - 15	*05/21/10*	-	-	62.72		
MW - 15	*08/19/10*	-	-	62.89		
MW - 15	*11/19/10*	-	-	62.87		

TABLE 1

GROUNDWATER ELEVATION DATA - 2010

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NO. 1R-0456

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW - 16	04/21/10	-	-	62.31		
MW - 16	*05/21/10*	-	-	62.33		
MW - 16	*08/19/10*	-	-	62.53		
MW - 16	*11/19/10*	-	-	62.52		
MW - 17	04/21/10	-	-	62.16		
MW - 17	*05/21/10*	-	-	62.17		
MW - 17	*08/19/10*	-	-	62.18		
MW - 17	*11/19/10*	-	-	62.41		
RW - 1	01/12/10	-	60.25	62.03	1.78	
RW - 1	*02/11/10*	-	59.91	64.06	4.15	
RW - 1	*05/21/10*	-	61.65	62.09	0.44	
RW - 1	*08/19/10*	-	60.67	62.40	1.73	
RW - 1	*11/19/10*	-	60.71	62.33	1.62	

** Complete Historical Data Tables are presented on the attached CD.*

TABLE 2

CONCENTRATIONS OF BENZENE IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NO. 1R-0456

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY LIMIT		**0.01**	**0.75**	**0.75**	**0.62**	
MW-1	02/11/10	<0.001	<0.001	<0.001	<0.001	
MW-1	05/20/10	<0.001	<0.001	<0.001	<0.001	
MW-1	08/19/10	<0.001	<0.001	<0.001	<0.001	
MW-1	11/19/10	<0.001	<0.001	<0.001	<0.001	
MW-2	02/11/10	<0.001	<0.001	<0.001	<0.001	
MW-2	05/20/10	<0.001	<0.001	<0.001	<0.001	
MW-2	08/19/10	<0.001	<0.001	<0.001	<0.001	
MW-2	11/19/10	<0.001	<0.001	<0.001	<0.001	
MW-3	02/11/10	Not sampled Due to PSH in Well				
MW-3	05/20/10	Not sampled Due to PSH in Well				
MW-3	08/19/10	Not sampled Due to PSH in Well				
MW-3	11/19/10	Not sampled Due to PSH in Well				
MW-4	02/11/10	Not sampled Due to PSH in Well				
MW-4	05/20/10	Not sampled Due to PSH in Well				
MW-4	08/19/10	Not sampled Due to PSH in Well				
MW-4	11/19/10	Not sampled Due to PSH in Well				
MW-5	02/11/10	**0.538**	0.1210	0.079	0.132	
MW-5	05/20/10	Not sampled Due to PSH in Well				
MW-5	08/19/10	Not sampled Due to PSH in Well				
MW-5	11/19/10	Not sampled Due to PSH in Well				
MW-6	02/11/10	<0.001	<0.001	<0.001	<0.001	
MW-6	05/20/10	<0.001	<0.001	<0.001	<0.001	
MW-6	08/19/10	<0.001	<0.001	<0.001	<0.001	
MW-6	11/19/10	<0.001	<0.001	<0.001	<0.001	
MW-7	02/11/10	<0.001	<0.001	<0.001	<0.001	
MW-7	05/20/10	<0.001	<0.001	<0.001	<0.001	
MW-7	08/19/10	<0.001	<0.001	<0.001	<0.001	
MW-7	11/19/10	<0.001	<0.001	<0.001	<0.001	
MW-8	02/11/10	Not sampled Due to PSH in Well				
MW-8	05/20/10	Not sampled Due to PSH in Well				
MW-8	08/19/10	Not sampled Due to PSH in Well				
MW-8	11/19/10	Not sampled Due to PSH in Well				
MW-9	02/11/10	Not sampled Due to PSH in Well				
MW-9	05/20/10	Not sampled Due to PSH in Well				
MW-9	08/19/10	Not sampled Due to PSH in Well				
MW-9	11/19/10	Not sampled Due to PSH in Well				

TABLE 2

CONCENTRATIONS OF BENZENE IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NO. 1R-0456

SAMPLE LOCATION	SAMPLE DATE	Methods: EPA SW 846-8021, 5030				
		BENZENE	TOLUENE	ETHYL-BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62	
MW-10	02/11/10	Not sampled Due to PSH in Well				
MW-10	05/20/10	Not sampled Due to PSH in Well				
MW-10	08/19/10	Not sampled Due to PSH in Well				
MW-10	11/19/10	Not sampled Due to PSH in Well				
MW-11	02/11/10	Not sampled Due to PSH in Well				
MW-11	05/20/10	Not sampled Due to PSH in Well				
MW-11	08/19/10	Not sampled Due to PSH in Well				
MW-11	11/19/10	Not sampled Due to PSH in Well				
MW-12	02/11/10	**0.0782**	<0.001	<0.001	0.0071	
MW-12	05/20/10	**0.9820**	<0.0100	0.0259	0.0782	
MW-12	08/19/10	**0.6350**	<0.0100	<0.0100	0.0306	
MW-12	11/19/10	**0.6190**	<0.0100	<0.0100	0.0982	
MW-13	02/11/10	**9.400**	<0.050	0.2920	0.257	
MW-13	05/20/10	**11.400**	<0.0500	0.1340	<0.0500	
MW-13	08/19/10	**10.200**	<0.0500	<0.0500	<0.0500	
MW-13	11/19/10	**8.820**	<0.0500	<0.0500	<0.0500	
MW-14	02/11/10	<0.001	<0.001	<0.001	<0.001	
MW-14	05/20/10	<0.001	<0.001	<0.001	<0.001	
MW-14	08/19/10	<0.001	<0.001	<0.001	<0.001	
MW-14	11/19/10	<0.001	<0.001	<0.001	<0.001	
MW-15	06/17/10	<0.001	<0.001	<0.001	<0.001	
MW-15	08/19/10	<0.001	<0.001	<0.001	<0.001	
MW-15	11/19/10	<0.001	<0.001	<0.001	<0.001	
MW-16	06/17/10	<0.001	<0.001	<0.001	<0.001	
MW-16	08/19/10	<0.001	<0.001	<0.001	<0.001	
MW-16	11/19/10	<0.001	<0.001	<0.001	<0.001	
MW-17	06/17/10	<0.001	<0.001	<0.001	<0.001	
MW-17	08/19/10	<0.001	<0.001	<0.001	<0.001	
MW-17	11/19/10	<0.001	<0.001	<0.001	<0.001	
RW-1	02/11/10	Not sampled Due to PSH in Well				
RW-1	05/20/10	Not sampled Due to PSH in Well				
RW-1	08/19/10	Not sampled Due to PSH in Well				
RW-1	11/19/10	Not sampled Due to PSH in Well				

** Complete Historical Data Tables are presented on the attached CD.*

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0456
All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		–	–	–	0.0001 mg/L	0.0007 mg/L	0.0002 mg/L	–	0.0002 mg/L	0.0002 mg/L	0.0003 mg/L	–	–	0.0004 mg/L	–	–	0.03 mg/L			–
MW - 1	11/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/24/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW - 2	11/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/24/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW - 3	11/11/08	Not sampled Due to Insufficient Water Volume																		
	11/24/09	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	<0.000926	0.149	<0.000926	0.163	<0.000926	**0.613**	**1.36**	**1.82**	0.0446
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW - 4	11/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.0136	<0.000184	0.0149	<0.000184	**0.0853**	**0.177**	**0.222**	<0.000184
	11/24/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.0111	<0.000184	0.0108	<0.000184	**0.0497**	**0.0881**	**0.112**	0.00327
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW - 5	11/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	0.000526	<0.000183	0.00042	<0.000183	0.00143	0.00401	0.0032	0.000337
	11/24/09	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188	<0.000188
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW - 6	11/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/24/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW - 7	11/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/24/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW - 8	11/11/08	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	0.0332	<0.000922	0.0301	<0.000922	**0.124**	**0.270**	**0.334**	<0.000922
	11/24/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.0706	<0.000917	0.0768	<0.000917	**0.273**	**0.637**	**0.824**	<0.000917
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0456

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.		—	—	—	0.0001 mg/L	0.0007 mg/L	0.0002 mg/L	—	0.0002 mg/L	0.0002 mg/L	0.0003 mg/L	—	—	0.0004 mg/L	—	—	0.03 mg/L			—
MW - 9	11/11/08	Not sampled Due to Insufficient Water Volume																		
	11/24/09	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	<0.00184	**0.0785**	<0.00184	<0.00184	0.515	<0.00184	0.546	<0.00184	**2.02**	**4.59**	**6.18**	0.141
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW - 10	11/11/08	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	0.0618	<0.000962	0.0709	<0.000962	**0.308**	**0.773**	**0.987**	0.0194
	11/24/09	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	<0.000962	**0.0294**	<0.000962	<0.000962	0.193	<0.000962	0.200	<0.000962	**0.815**	**1.91**	**2.51**	0.0562
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW - 11	11/11/08	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192
	11/24/09	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	<0.000917	0.102	<0.000917	0.107	<0.000917	**0.303**	**0.797**	**1.04**	0.0276
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW - 12	11/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/24/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW - 13	11/11/08	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184
	11/24/09	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000713	<0.000184	**0.0232**	**0.0163**	**0.0180**	<0.000184
	11/19/10	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000569	<0.000184	0.000609	<0.000184	0.00669	0.00638	<0.000184	0.000356
MW - 14	11/11/08	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/24/09	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183	<0.000183
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		

TABLE 3

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

PLAINS MARKETING, L.P.
34 JUNCTION SOUTH STATION
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER 1R-0456

All water concentrations are reported in mg/L

SAMPLE LOCATION	SAMPLE DATE	EPA SW846-8270C, 3510																		
		Acenaphthene	Acenaphthylene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Chrysene	Dibenz[a,h]anthracene	Fluoranthene	Fluorene	Indeno[1,2,3-cd]pyrene	Phenanthrene	Pyrene	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Dibenzofuran
Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1-101.UU and 3-103.A.					0.0001 mg/L	0.0007 mg/L	0.0002 mg/L		0.0002 mg/L	0.0002 mg/L	0.0003 mg/L			0.0004 mg/L			0.03 mg/L			
MW - 15	05/21/10	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	<0.000186	0.000354	<0.000186	<0.000186	<0.000186
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-16	05/21/10	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	<0.000184	0.000236	<0.000184	<0.000184	<0.000184
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
MW-17	05/21/10	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	<0.000185	0.000192	<0.000185	<0.000185	<0.000185
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		
RW - 1	11/11/08	Not sampled Due to Insufficient Water Volume																		
	11/24/09	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	<0.000922	**0.0270**	<0.000922	<0.000922	0.171	<0.000922	0.176	<0.000922	**0.678**	**1.53**	**2.02**	0.0485
	11/19/10	Not Sampled as part of Quarterly Monitoring Event.																		

Appendices

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

District I
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 Marketing, LP	Contact Camille Reynolds
Address 5805 East Hwy. 80, Midland, TX 79706	Telephone No. 505-441-0965
Facility Name 34 Junction South Station	Facility Type Meter Facility

Surface Owner State Land Office	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
M	2	17S	36E					Lea

Latitude 32° 51'42.4" Longitude 103° 19'54.4"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 15 barrels	Volume Recovered .5 barrels
Source of Release Malfunction of check valve on air eliminator	Date and Hour of Occurrence 6-10-05 @ 07:00	Date and Hour of Discovery 6-10-05 @ 07:45
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Paul Sheely	
By Whom? Camille Reynolds	Date and Hour 6-10-05 @ 13:31	
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.* Mechanical malfunction of check valve on air eliminator resulted in release. Isolated air eliminator off of metering system. The station produces approximately 100 barrels of sweet crude oil per day. The pressure on the line is <10 psi and the gravity on the sweet crude is 42.5, the H2S content is <10 ppm.

Describe Area Affected and Cleanup Action Taken.* The impacted soil was excavated and stockpiled on plastic. Aerial extent of surface impact was 1,620 square feet.

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	OIL CONSERVATION DIVISION
Printed Name: Camille Reynolds	Approved by District Supervisor:
Title: Remediation Coordinator	Approval Date: / Expiration Date:
E-mail Address: cjreynolds@paalp.com	Conditions of Approval: / Attached ☐
Date: 6-13-05 Phone:505-441-0965	

* Attach Additional Sheets If Necessary