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STAGE 1 WORKPLANS

DATE:

June 2009

SOIL INVESTIGATION WORK PLAN

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HDO-90-23

NE ¼, NW ¼, SECTION 6, TOWNSHIP 20 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO
PLAINS SRS NUMBER: HDO-90-23
NMOCD REFERENCE AP-009

PREPARED FOR:

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



PREPARED BY:

NOVA Safety and Environmental
2057 Commerce Street
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June 2009


Ronald K. Rounsaville
Project Manager

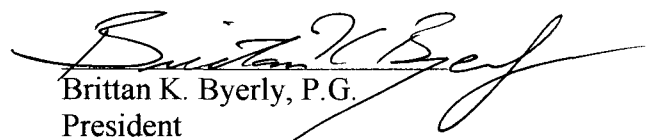

Brittan K. Byerly, P.G.
President

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1.0 INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this Soil Investigation Work Plan for the site known as HDO-90-23. The purpose of this Soil Investigation Work Plan is to summarize the known soil data and to propose a plan for evaluating the current concentrations of the contaminants of concern in the soil at the site. A Site Location Map is provided as Figure 1. The legal description of the site is NE 1/4 of the NW 1/4 of Section 6, Township 20 South, Range 37 East in Lea County.

2.0 SITE BACKGROUND

The HDO 90-23 release was discovered by Texas-New Mexico Pipeline Company (TNM) personnel and reported on March 27, 1990. According to the release report, an estimated 750 barrels of crude oil were released and 550 barrels were recovered. The release occurred from a 14-inch TNM pipeline and was attributed to structural failure associated with internal pipeline corrosion. Limited excavation occurred around the release point to repair the pipeline. The initial site investigation consisted of the installation of nine soil borings and five monitoring wells by a previous contractor to assess the subsurface conditions. In September 1999, Environmental Technical Group, Inc (ETGI) advanced one soil boring (SB-10), ten geoprobe soil borings (GP-1 through GP-10) and installed three additional monitor wells (MW-6, MW-7 and MW-8) to define the extent of petroleum impacted soil and groundwater. In September 1999, A Subsurface Investigation Report / Stage 2 Abatement Plan was submitted to the NMOCD. The Abatement Plan recommended the chemical oxidation of petroleum impacted soils by the use of high-pressure injection of a Hydrogen Peroxide solution. On June 14, 2000, following the injection of approximately 23,000 gallons of hydrogen peroxide solution into the subsurface impacted soils, five soil borings (SB-A through SB-E) were advanced to document the status of soil remediation as a result of the chemical oxidation. Analytical results indicated soil TPH concentrations had been reduced by an average of 94% from the 1999 analytical data. In the fall of 2002, monitor wells MW-9 through MW-15 were installed. In November 2004, NOVA installed two additional monitor wells (MW-16 and MW-17) to further delineate the southeast extent of the dissolved phase plume. A summary of soil analytical data is presented as Table 1.

On August 9, 2005, NOVA personnel discovered and documented a leaking produced water pipeline approximately 100 feet north of monitor well MW-3. The leaking pipeline was reported to NMOCD, Hobbs District Office on the same day. The pipeline was identified as a Mar Oil and Gas (MAR) Pipeline. A MAR employee was successful in closing an off site valve to stop the produced water flow. On August 12, 2005, MAR employees began limited excavation surrounding monitor well MW-3, stockpiling soil on site. Since the activities of August 2005, the excavated soil has been stockpiled on site. In February 2007, NOVA personnel discovered and documented a crude oil release approximately 500 feet northwest of monitor well MW-15. The release was associated with a production pump jack operated by MAR and to date this release has not been addressed.

Currently, thirteen groundwater monitor wells (MW-2 through MW-6, MW-8, MW-9 and MW-12 through MW-17) and two product recovery wells (RW-1 and RW-2) are onsite. Please refer

to Figure 2 Site Map for locations of existing monitor wells. The most recent groundwater data can be found in the 2008 Annual Groundwater Monitoring Report for the site.

3.0 LEAK ZONE INVESTIGATION - Review of Soil Data

Based upon the data collected during the 1990 through 2004 investigations and remediation activities, five soil borings are proposed to evaluate the current soil concentrations. Soil borings SB-A, SB-B, SB-C, SB-D and SB-E were installed by ETGI in June 2000 following the chemical oxidation of the soil. Soil sample results indicated soil impacts above NMOCD standards for TPH in soil boring SB-A (at 5, 10, 15, 20 and 45 feet), SB-B (at the surface and 45 feet), SB-C (at 5, 10, 20, 25, 30, 35, 40 and 45 feet), SB-D (at surface) and SB-E (at 45 feet). The center of the soil impacts appears to be located around soil boring SB-C which is next to monitor well MW-2 and soil boring SB-A next to monitor well MW-6. Soil impacts above NMOCD guidelines were also noted at surface soils in samples from soil borings SB-B and SB-D. The locations were chosen to update the original soil analytical data from 1990 through 2004. Please refer to Figure 3 for the Proposed Soil Boring Locations.

Soil samples for the proposed 2009 investigation will be collected on five-foot intervals (upon refusal of sampling device, sample will be collected at the next possible foot interval) to a total depth of each soil boring. The first three soil borings will be drilled to a depth of 40 feet below ground surface (bgs) and the remaining two soil borings will be drilled to a depth of 10 feet bgs. Two 40 foot soil borings will be located adjacent to monitor wells MW-2 and MW-6. The third 40 foot soil boring will be located south of RW-2 and east of RW-1. One shallow soil boring will be located within the area of former soil boring SB-B and the remaining shallow soil boring will be located within the area of former soil boring SB-D.

Select soil samples will be submitted to the laboratory based on field observations and PID readings. Samples will be collected and placed into glassware provided by Trace Analysis in Midland, Texas. The samples will then be placed on ice in the field to be cooled to approximately 4°C prior to being transported to the laboratory. Strict chain-of-custody documentation will be maintained at all times. Samples will be analyzed for BTEX utilizing EPA Method SW 846-8021b and for TPH by SW846-8015 gasoline and diesel range organics (DRO/GRO).

4.0 SUMMARY OF PROPOSED ACTIVITIES

Plains proposes the following actions intended to progress the TNM HDO 90-23 Release Site towards New Mexico Oil Conservation Division (NMOCD) approved closure:

- Install at least five soil borings at the release area to evaluate the current status of the contaminants of concern in the soil.
- Submit select soil samples to laboratory analysis for documentation.
- Prepare report documenting soil delineation findings and work plan for addressing any impact above NMOCD cleanup standards.

5.0 REPORTING

A Soil Investigation Report and Work Plan for Soil Remediation (if required) will be prepared summarizing the results of the soil investigation.

6.0 LIMITATIONS

NOVA has prepared this Soil Investigation Work Plan 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 written consent of NOVA and/or Plains.

DISTRIBUTION

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FIGURES

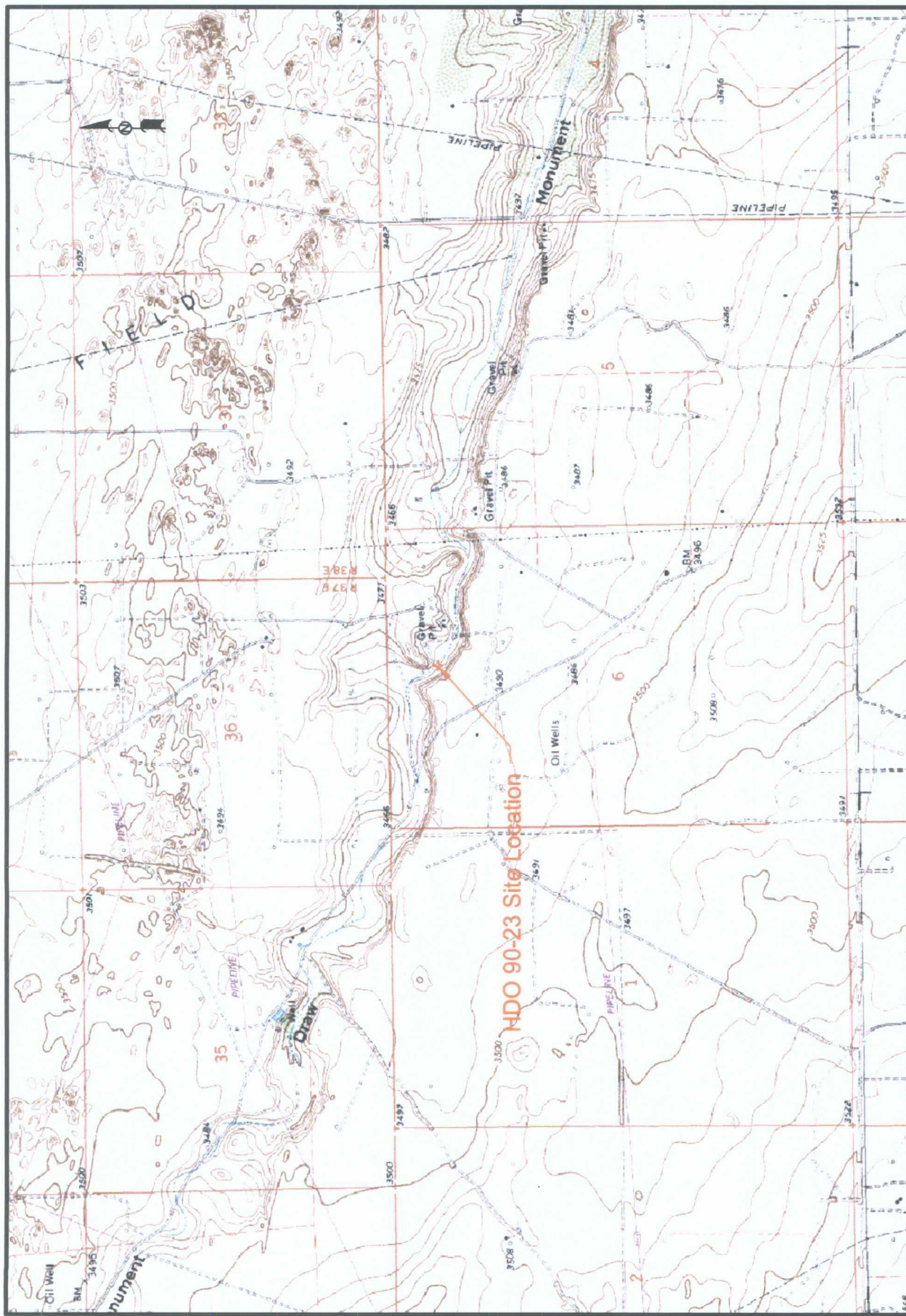


Figure 1
Site Location Map

Plains Marketing, L.P.
HDO 90-23
Lea County, NM

NMOCD Reference # AP-009

NOVA Safety and Environmental



NE1/4 NW1/4 Sec 6 T20S R37E	February 20, 2005
Scale: NTS	Prep By: CDS
	Checked By: TKC

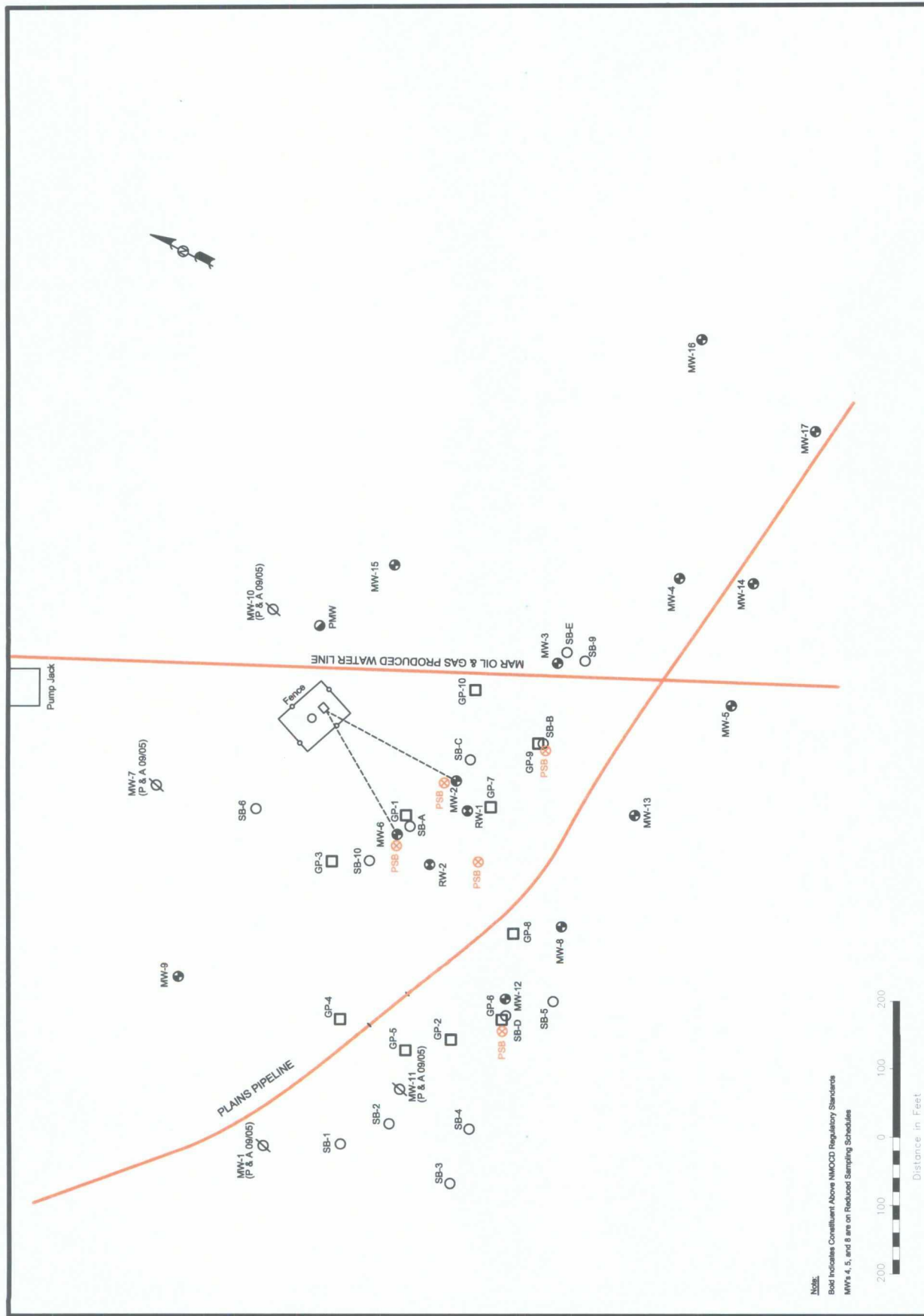


Figure 3
 Proposed Soil Boring
 Location Map

Plains Marketing, L.P.
 HDO 90-23
 Lea County, NM

NOVA
 safety and environmental

Scale: 1" = 200'
 May 13, 2009

CAD By: SAT
 Checked By: ROR

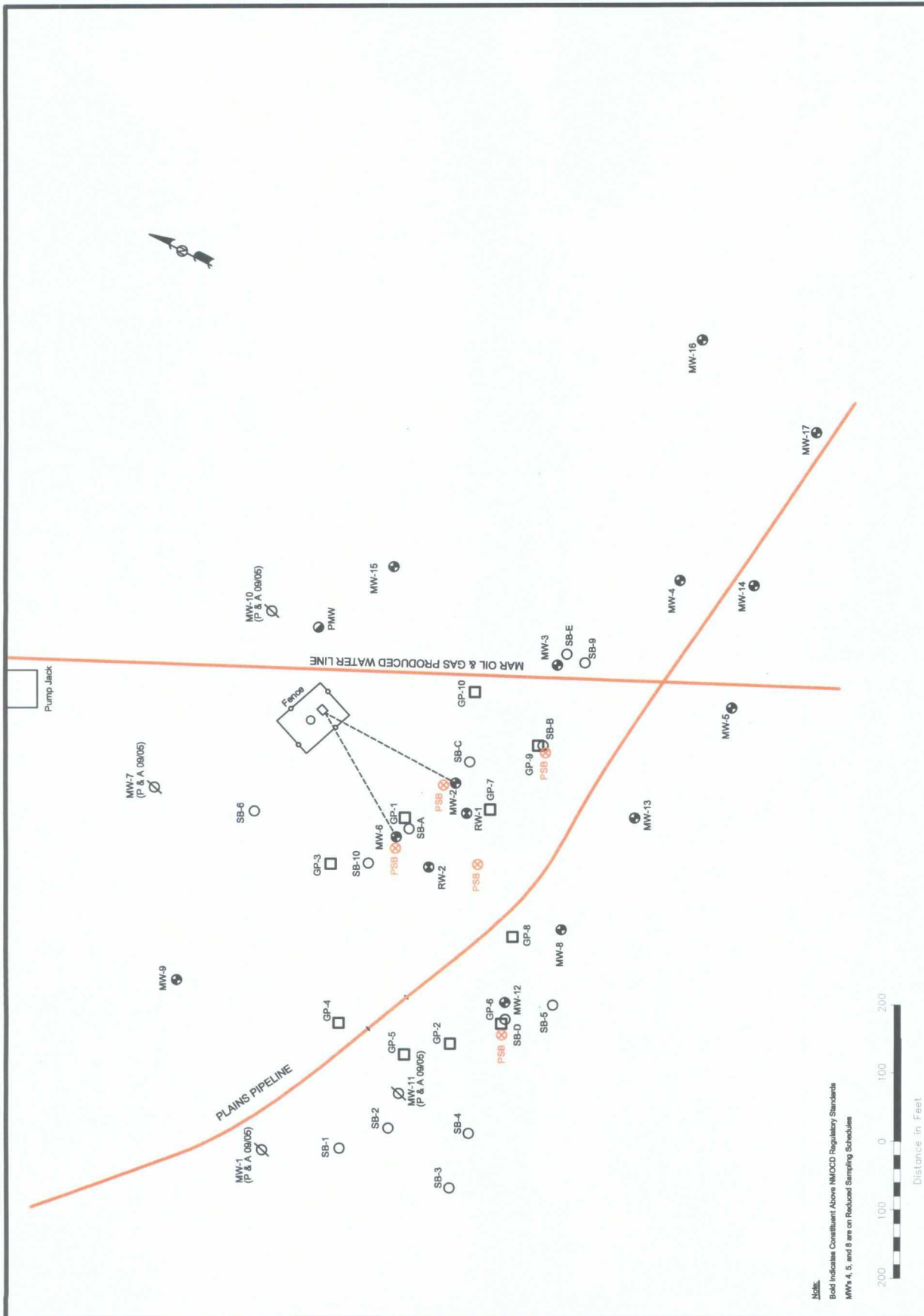


Figure 3
Site Map

Plains Marketing, L.P.
HDO 90-23
Lea County, NM

NOVA
Safety and Environmental

Scale: 1" = 200'
May 13, 2009

CAD By: SAT
Checked By: ROR

LEGEND:

- Monitor Well Location
- Recovery Well Location
- Pipeline
- Geoproduct Boring Locations (1999)
- Geoproduct Boring Locations (2005)
- Proposed Soil Boring Locations

NOVA
Safety and Environmental

Scale: 1" = 200'
May 13, 2009

CAD By: SAT
Checked By: ROR

TABLES

Table 1

CONCENTRATIONS OF TPH AND BTEX IN SOIL

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-009

All concentrations are reported in mg/kg

SAMPLE LOCATION	SAMPLE DATE	TPH by Method 8015M			SW 846-8021B, 5030			
		GRO C ₆ -C ₁₂	DRO >C ₁₂ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES
MW-2, 10'-12'	02/03/98	--	--	2,830	NA	NA	NA	NA
MW-2, 15'-17'	02/03/98	--	--	6,560	NA	NA	NA	NA
MW-2, 40'-42'	02/03/98	--	--	157	NA	NA	NA	NA
MW-3, 5'-7'	02/23/98	--	--	1,960	NA	NA	NA	NA
MW-3, 25'-27'	02/23/98	--	--	70	NA	NA	NA	NA
MW-3, 40'-42'	02/23/98	--	--	1,040	NA	NA	NA	NA
MW-6, 5'-7'	09/02/99	3,460	3,431	6,891	6.69	22.04	108.9	143.47
MW-6, 25'-27'	09/02/99	1,322	1,443	2,765	2.45	27.49	31.98	44.77
MW-6, 40'-42'	09/02/99	46	395	441	<0.100	0.132	0.354	1.217
MW-7, 10'-12'	09/02/99	<10.0	53	53	<0.100	<0.100	<0.100	0.166
MW-7, 40'-42'	09/02/99	<10.0	15	15	0.139	<0.100	0.106	0.125
SB-10, 10'-12'	09/02/99	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	0.115
SB-10, 40'-42'	09/02/99	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	0.472
GP-2, 10'-12'	09/02/99	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	0.1
GP-3, 22'-23'	09/03/99	<10.0	<10.0	<10.0	<0.100	0.12	<0.100	0.107
GP-4, 14'-16'	09/03/99	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	0.104
GP-5, 12'-14'	09/03/99	2,870	4,557	7,427	3.67	39.29	69.56	89.55
GP-6, 14'-16'	09/03/99	<10.0	217	217	<0.100	0.262	0.127	0.447
GP-8, 10'-12'	09/03/99	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	0.102
GP-9, 15'-16'	09/03/99	<10.0	<10.0	<10.0	<0.100	0.237	0.111	0.528
GP-10, 15'-16'	09/03/99	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
MW-8, 10'-12'	09/03/99	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
MW-8, 40'-42'	09/03/99	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-A, 0'-2'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	0.145	0.269
SB-A, 5'-7'	06/14/00	583	1,026	1,609	0.608	2.67	45.5	55.29
SB-A, 10'-12'	06/14/00	623	2,521	3,144	<0.100	1.4	5.65	10.13
SB-A, 15'-17'	06/14/00	361	2,079	2,440	<0.100	1.44	4.08	8.80
SB-A, 20'-22'	06/14/00	157	1,399	1,556	<0.100	1.25	2.58	5.04
SB-A, 25'-27'	06/14/00	<10.0	35	35	<0.100	0.189	<0.100	<0.100
SB-A, 30'-32'	06/14/00	<10.0	18	18	<0.100	<0.100	<0.100	<0.100
SB-A, 35'-37'	06/14/00	<10.0	<10.0	<10.0	<0.100	0.198	0.100	0.102
SB-A, 40'-42'	06/14/00	<10.0	58	58	<0.100	0.174	<0.100	<0.100
SB-A, 45'-47'	06/14/00	10	595	605	<0.100	<0.100	<0.100	<0.100
SB-B, 0'-2'	06/14/00	<10.0	221	221	0.118	0.285	0.191	0.579
SB-B, 5'-7'	06/14/00	<10.0	<10.0	<10.0	<0.100	0.113	<0.100	0.112
SB-B, 10'-12'	06/14/00	<10.0	<10.0	<10.0	<0.100	0.202	<0.100	0.182
SB-B, 15'-17'	06/14/00	<10.0	14	14	<0.100	<0.100	<0.100	<0.100
SB-B, 20'-22'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-B, 25'-27'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-B, 30'-32'	06/14/00	<10.0	<10.0	<10.0	<0.100	0.130	0.225	0.37
SB-B, 35'-37'	06/14/00	<10.0	<10.0	<10.0	<0.100	0.143	<0.100	<0.100
SB-B, 40'-42'	06/14/00	<10.0	<10.0	<10.0	<0.100	0.207	<0.100	<0.100
SB-B, 45'-47'	06/14/00	16	591	607	<0.100	0.230	0.188	0.197
SB-C, 0'-2'	06/14/00	<10.0	10	10	<0.100	<0.100	<0.100	<0.100
SB-C, 5'-7'	06/14/00	412	476	888	16.7	14.6	133	122.5
SB-C, 10'-12'	06/14/00	41	464	505	<0.100	0.513	1.34	1.997
SB-C, 15'-17'	06/14/00	<10.0	92	92	0.268	0.205	1.16	1.426

Table 1

CONCENTRATIONS OF TPH AND BTEX IN SOIL

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-009

All concentrations are reported in mg/kg

SAMPLE LOCATION	SAMPLE DATE	TPH by Method 8015M			SW 846-8021B, 5030			
		GRO C ₆ -C ₁₂	DRO >C ₁₂ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES
SB-C, 20'-22'	06/14/00	<10.0	352	352	<0.100	0.161	0.352	0.593
SB-C, 25'-27'	06/14/00	150	2,461	2,611	0.313	4.48	6.13	9.12
SB-C, 30'-32'	06/14/00	175	2,979	3,154	<0.100	2.32	3.68	5.79
SB-C, 35'-37'	06/14/00	106	2,464	2,570	0.203	3.14	4.12	5.96
SB-C, 40'-42'	06/14/00	310	2,470	2,780	0.575	6.45	8.36	12.57
SB-C, 45'-47'	06/14/00	<10.0	483	483	<0.100	0.365	0.392	0.642
SB-D, 0'-2'	06/14/00	264	2,778	3,042	2.0	20.7	16.9	24.83
SB-D, 5'-7'	06/14/00	<10.0	<10.0	<10.0	<0.100	0.273	0.702	0.927
SB-D, 10'-12'	06/14/00	<10.0	<10.0	<10.0	<0.100	0.235	0.667	0.668
SB-D, 15'-17'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-D, 20'-22'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-D, 25'-27'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-D, 30'-32'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	0.116	<0.100
SB-D, 35'-37'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-D, 40'-42'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-D, 45'-47'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-E, 0'-2'	06/14/00	<10.0	36	36	<0.100	<0.100	0.173	0.474
SB-E, 5'-7'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-E, 10'-12'	06/14/00	<10.0	<10.0	<10.0	<0.100	0.238	0.277	0.288
SB-E, 15'-17'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-E, 20'-22'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-E, 25'-27'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-E, 30'-32'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-E, 35'-37'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-E, 40'-42'	06/14/00	<10.0	24	24	<0.100	<0.100	<0.100	<0.100
SB-E, 45'-47'	06/14/00	<10.0	263	263	<0.100	<0.100	<0.100	<0.100
SB-E, 50'-52'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
SB-E, 55'-57'	06/14/00	<10.0	<10.0	<10.0	<0.100	<0.100	<0.100	<0.100
RW-1 5'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-1 10'	12/18/02	<10.0	<10.0	<10.0	0.064	0.08	0.38	0.653
RW-1 15'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-1 20'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-1 25'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-1 30'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-1 35'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-1 40'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-1 45'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-2 5'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-2 10'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-2 15'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-2 20'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-2 25'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-2 30'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-2 35'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-2 40'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
RW-2 45'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025

Table 1

CONCENTRATIONS OF TPH AND BTEX IN SOIL

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-009

All concentrations are reported in mg/kg

SAMPLE LOCATION	SAMPLE DATE	TPH by Method 8015M			SW 846-8021B, 5030			
		GRO C ₆ -C ₁₂	DRO >C ₁₂ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES
MW-9 5'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-9 10'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-9 15'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-9 20'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-9 25'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-9 30'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-9 35'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-9 40'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-9 45'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-9 50'	12/18/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-10 5'	12/29/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-10 10'	12/29/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-10 15'	12/29/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-10 20'	12/29/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-10 25'	12/29/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-10 30'	12/29/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-10 35'	12/29/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-10 40'	12/29/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-10 45'	12/29/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-10 50'	12/29/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-11 5'	12/30/02	<10.0	<10.0	<10.0	<0.025	0.026	0.028	0.056
MW-11 10'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-11 15'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-11 20'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-11 25'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-11 30'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-11 35'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-11 40'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-11 45'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-11 50'	12/30/02	<10.0	23.5	23.5	<0.025	<0.025	<0.025	<0.025
MW-12 5'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-12 10'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-12 15'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-12 20'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-12 25'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-12 30'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-12 35'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-12 40'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-12 45'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-12 50'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-12 55'	12/30/02	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025

Table 1

CONCENTRATIONS OF TPH AND BTEX IN SOIL

PLAINS MARKETING, L.P.

HDO 90-23

LEA COUNTY, NEW MEXICO

NMOCD REFERENCE NUMBER AP-009

All concentrations are reported in mg/kg

SAMPLE LOCATION	SAMPLE DATE	TPH by Method 8015M			SW 846-8021B, 5030			
		GRO C ₆ -C ₁₂	DRO >C ₁₂ -C ₃₅	TOTAL TPH C ₆ -C ₃₅	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES
MW-13 5'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-13 10'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-13 15'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-13 20'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-13 25'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-13 30'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-13 35'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-13 40'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-13 45'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-13 50'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-14 5'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-14 10'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-14 15'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-14 20'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-14 25'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-14 30'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-14 35'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-14 40'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-14 45'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-14 50'	01/02/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-15 5'	01/03/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-15 10'	01/03/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-15 15'	01/03/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-15 20'	01/03/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-15 25'	01/03/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-15 30'	01/03/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-15 35'	01/03/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-15 40'	01/03/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-15 45'	01/03/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-15 50'	01/03/03	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025
MW-16@25'	12/02/04	<1	<50	<50	<0.01	<0.01	<0.01	<0.01
MW-16@40'	12/02/04	<1	<50	<50	<0.01	<0.01	<0.01	<0.01
MW-17@30'	12/02/04	<1	<50	<50	<0.01	<0.01	<0.01	<0.01
MW-17@40'	12/04/04	<1	<50	<50	<0.01	<0.01	<0.01	<0.01

NA = Not Analyzed

Soil analytical data not available for Monitor wells MW-1, MW-4 and MW-5.

APPENDICES

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

OIL CONSERVATION DIVISION

NOTIFICATION OF FIRE, BREAKS, SPILLS, LEAKS, AND BLOWOUTS

NAME OF OPERATOR TEXAS-NEW MEXICO PIPE LINE CO				ADDRESS P. O. Box 2528, Hobbs, N.M. 88240			
REPORT OF	FIRE	BREAK	SPILL	LEAK	BLOWOUT	OTHER*	
TYPE OF FACILITY	DRUG WELL	PROD WELL	TANK	PIPE	GASO PLNT	OIL	OTHER*
NAME OF FACILITY 14" Trunk Line							
LOCATION OF FACILITY (QUARTER/QUARTER SECTION OR PORTAGE DESCRIPTION)				SEC.	TWP.	RGE.	COUNTY
NW/4 NE/4				6	21	37	Lea
DISTANCE AND DIRECTION FROM NEAREST TOWN OR PROMINENT LANDMARK 6 Mi. NNW of Eunice & 3 Mi. N.W. of Loop 18							
DATE AND HOUR OF OCCURRENCE Unknown				DATE AND HOUR OF DISCOVERY 3/27/90 2:15 P.M.			
WAS IMMEDIATE NOTICE GIVEN? YES X NO				IF YES, NMOCC - B. Pritchard TO WHOM SCC - D. Trujillo			
BY NMOCC - M. Criswell				DATE 3/27/90: NMOCC - 3:35 P.M.			
WHOM SCC - C. Johnson				AND HOUR 3/28/90: SCC - 9:05 A.M.			
TYPE OF FLUID LOST Sour Crude				QUANTITY OF LOSS 750 BBLs		VOLUME RECOVERED 550 BBLs	
DID ANY FLUIDS REACH A WATERCOURSE? YES NO X				QUANTITY			
IF YES, DESCRIBE FULLY**							
DESCRIBE CAUSE OF PROBLEM AND REMEDIAL ACTION TAKEN**							
External Corrosion							
Line clamped off							
DESCRIBE AREA AFFECTED AND CLEANUP ACTION TAKEN**							
45,000 sq ft pasture land; 40,000 sq ft equipment damage.							
Cattle in the area							
Oil soaked earth covered with fresh soil in prospects of full restoration							
DESCRIPTION OF AREA		FARMING	GRAZING	URBAN	OTHER*		
SURFACE CONDITIONS		SANDY	SANDY LOAM	CLAY	ROCKY	WET	DRY
			X			X	
DESCRIBE GENERAL CONDITIONS PREVAILING (TEMPERATURE, PRECIPITATION, ETC.)**							
55°							
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF							
SIGNED		B.L. Lehnicky TITLE Dist. Manager				DATE 3/28/90	

*SPECIFY

**ATTACH ADDITIONAL SHEETS IF NECESSARY

HDO 90-23

cc: Hazardous Waste Section
N.M. Environmental Improvement Div.

90-063530