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REPORT

DATE: 2006



* 1 R-456 Report 2006

2006 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 1R-0456

PREPARED FOR:

PLAINS MARKETING, L.P.

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March 2007

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INTRODUCTION

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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 2006 only. However, historic data tables as well as 2006 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 2006 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). The groundwater monitoring events consisted of measuring static water levels in the monitor wells, checking for the presence of PSH 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 emergency response activities covered an area within the fenced station approximately 20 feet long by 20 feet wide and one (1) to four (4) 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).

As of January 1, 2006, there were five (5) monitor wells (MW-1 through MW-5) and one (1) recovery well on site. During the 2006 reporting period, seven (7) additional monitor wells were installed to delineate the extent of groundwater impact at the site.

Monitor wells MW-6, MW-7 and MW-8 were installed on February 28 and March 1, 2006, under the direction of Basin. Monitor wells MW-9 and MW-10 were installed on September 19, 2006, under the direction of NOVA, as were monitor wells MW-11 and MW-12, which were installed on November 29, 2006. Analytical results of the soil samples collected during the installation of the monitor wells, during the 2006 reporting period are provided in Table 3, Concentrations of TPH and BTEX in Soil. Boring logs and monitor well details are provided in Appendix A. Laboratory reports are provided on the enclosed data disk.

Currently, there are twelve (12) monitor wells and one (1) recovery well (RW-1) on site. An automated PSH recovery system, consisting of pneumatic skimmer pumps installed in monitor wells MW-3 and MW-9 and recovery well RW-1 was operational in the 4th quarter of 2006. Recovered PSH in 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.

FIELD ACTIVITIES

A measurable thickness of PSH was detected in monitor wells MW-3, MW-8 (4th quarter) and MW-9 (3rd and 4th quarter) and in recovery well RW-1 during the 2006 reporting period. The average thickness of PSH in monitor and recovery wells containing PSH during 2006 was 4.35 feet, with a maximum thickness of 13.36 feet occurring in recovery well RW-1 on September 14, 2006. Approximately 1,607 gallons (approximately 38 barrels) of PSH was recovered from the site during the 2006 reporting period. Approximately 2,074 gallons (approximately 49 barrels) of PSH have been recovered since the project inception. Measurable thicknesses of PSH are recorded in Table 1 and Figures 3A through 3D.

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-6	Quarterly	MW-11	Quarterly			
MW-2	Quarterly	MW-7	Quarterly	MW-12	Quarterly			
MW-3	Quarterly	MW-8	Quarterly					
MW-4	Quarterly	MW-9	Quarterly	RW-1	Quarterly			
MW-5	Quarterly	MW-10	Quarterly					

The site monitor wells were gauged and sampled on March 29, June 12, September 28-29, and December 12, 2006. 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 obtained using disposable Teflon samplers. Water samples were collected 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 by Key Energy, Lovington, New Mexico utilizing a licensed disposal facility (NMOCD AO SWD-730).

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 2006 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 0.006 feet/foot to the east-northeast as measured between monitor well MW-8 and MW-5. This is consistent with data presented from earlier in the year. The corrected groundwater elevation has ranged between 3,789.15 and 3,792.68 feet above mean sea level, in monitor wells MW-4 on November 3, 2006 and MW-6 on October 13, 2006, respectively.

LABORATORY RESULTS

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Monitor well MW-3 and recovery well RW-1 contained PSH during all four (4) quarters of the reporting period and were not sampled in the 1st 2nd and 4th quarters of 2006. Monitor well MW-8 contained PSH during the 4th quarter of 2006 and was not sampled. Monitor well MW-9 contained PSH during the 3rd and 4th quarter of the reporting period and was not sampled in the 4th quarter of 2006. All monitor and recovery wells were sampled in the 3rd quarter of 2006, without regard to PSH thickness.

At the request of the NMOCD, during the 3rd quarter 2006, all monitor and recovery wells containing PSH were recovered and sampled using the sampling protocol normally reserved for non-PSH impacted monitor/recovery wells. In addition, the NMOCD requested all monitor wells and the recovery well groundwater samples be analyzed for general groundwater chemistry constituents during the 3rd quarter sampling event. Analytical results of the general chemistry constituents will be discussed below.

Groundwater samples obtained during the quarterly sampling events of 2006 were delivered to Environmental Lab of Texas in Odessa, Texas during the 1st and 2nd quarter and TraceAnalysis, Inc. in Lubbock, Texas during the 3rd and 4th quarters of 2006, for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021b. During the 3rd quarter sampling event groundwater samples were submitted for determination of Hydroxic Alkalinity as CaCo₃ by E 310.1, Carbonate Alkalinity as CaCo₃ by E 310.1, Bicarbonate Alkalinity as CaCo₃ by E 310.1, Total Alkalinity as CaCo₃ by E 310.1, Total Calcium by E 200.1, Chloride by E 300.0, Specific Conductance by E 120.1, Fluoride by E 300.0, Total Potassium by E 200.7, Total Magnesium by E 200.7, Total Sodium by E 200.7, pH by E 150.1, Sulfate by E 300.0, and Total Dissolved Solids by E 160.1. A listing of BTEX constituent concentrations for 2006 is summarized in Table 2. A listing of General Groundwater Chemistry constituents is summarized in Table 4. Copies of the laboratory reports generated for 2006 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 laboratory method detection limits (MDL) and the NMOCD regulatory standards of 0.01 mg/L for benzene, 0.75 mg/L for toluene, 0.75 mg/L for ethylbenzene and 0.62 mg/L for xylene during all four (4) quarters of the reporting period. General groundwater chemistry constituents, as summarized above, were all below New Mexico Water Quality Control Commission (NMWQCC) regulatory clean-up levels.

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 (4) quarters of the reporting period. General groundwater chemistry constituents, as summarized above, were all below NMWQCC regulatory clean-up levels.

Monitor well MW-3 is monitored on a quarterly schedule. Monitor well MW-3 was not sampled during the 1st, 2nd and 4th quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 7.12 feet, 7.18 feet, and 6.90 feet were reported during the 1st, 2nd and 4th quarter of 2006, respectively. Monitor well MW-3 was sampled during the 3rd quarter

of the reporting period. During the 3rd quarter sampling event, the monitor well contained a PSH thickness of 6.65 feet, which was recovered before the monitor well was sampled. Analytical results indicate the benzene, toluene, ethylbenzene and xylene concentrations were 4.85 mg/L, 4.42 mg/L, 0.439 mg/L and 1.55 mg/L, respectively, during the 3rd quarter sampling event. All BTEX constituents, with the exception of ethylbenzene, were above NMOCD regulatory standards. General groundwater chemistry constituents, as summarized above, were all below NMWQCC regulatory clean-up levels.

Monitor well MW-4 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 1st and 2nd quarters to 0.415 mg/L during the 4th quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during the 4th quarter of the reporting period. Toluene concentrations ranged from <0.001 mg/L during the 1st and 2nd quarters to 0.331 mg/L during the 4th quarter of 2006. Toluene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 1st, 2nd and 3rd quarters to 0.062 mg/L during the 4th quarter of 2006. Ethylbenzene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 1st and 2nd quarters to 0.194 mg/L during the 4th quarter of 2006. Xylene concentrations were below NMOCD regulatory standards during all four (4) quarters of the reporting period. General groundwater chemistry constituents, as summarized above, were all below NMWQCC regulatory clean-up levels.

Monitor well MW-5 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standards during all four (4) quarters of the reporting period. General groundwater chemistry constituents, as summarized above, were all below NMWQCC regulatory clean-up levels.

Monitor well MW-6 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL, with the exception of the 3rd quarter xylene concentration (0.0014 mg/L). All BTEX constituent concentrations were below the NMOCD regulatory standards during all four (4) quarters of the reporting period. General groundwater chemistry constituents, as summarized above, were all below NMWQCC regulatory clean-up levels.

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 (4) quarters of the reporting period. General groundwater chemistry constituents, as summarized above, were all below NMWQCC regulatory clean-up levels.

Monitor well MW-8 is sampled/monitored on a quarterly schedule. Monitor well MW-8 was not sampled during the 4th quarter of the reporting period, due to a reported PSH thickness of 0.18 feet in the monitor well. Analytical results indicate benzene concentrations ranged from 0.011 mg/L during the 1st quarter to 0.144 mg/L during the 2nd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during the 1st 2nd and 3rd quarter of the reporting period. Toluene concentrations ranged from 0.008 mg/L during the 1st quarter to 0.345 mg/L during the 2nd quarter of 2006. Toluene concentrations were below NMOCD regulatory standards during the 1st, 2nd and 3rd quarters of the reporting period. Ethylbenzene concentrations ranged from 0.003 mg/L during the 1st quarter to 0.084 mg/L during the 2nd quarter of 2006.

Ethylbenzene concentrations were below NMOCD regulatory standards during the 1st, 2nd and 3rd quarters of the reporting period. Xylene concentrations ranged from 0.006 mg/L during the 1st quarter to 0.278 mg/L during the 2nd quarter of 2006. Xylene concentrations were below NMOCD regulatory standards during the 1st, 2nd and 3rd quarters of the reporting period. General groundwater chemistry constituents, as summarized above, were all below NMWQCC regulatory clean-up levels.

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Monitor well MW-9 (installed in September 2006) is sampled/monitored on a quarterly schedule. Monitor well MW-9 was not sampled during the 4th quarter of the reporting period, due to a reported PSH thickness of 2.90 feet in the monitor well. Analytical results indicate the benzene, toluene, ethylbenzene and xylene concentrations were 5.87 mg/L, 3.54 mg/L, 0.601 mg/L and 2.16 mg/L, respectively, during the 3rd quarter sampling event. All BTEX constituents, with the exception of ethylbenzene, were above NMOCD regulatory standards. General groundwater chemistry constituents, as summarized above, were all below NMWQCC regulatory clean-up levels.

Monitor well MW-10 (installed in September 2006) is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.363 mg/L during the 4th quarter to 1.93 mg/L during the 3rd quarter of 2006. Benzene concentrations were above NMOCD regulatory standards during the 3rd and 4th quarter of the reporting period. Toluene concentrations ranged from 0.0032 mg/L during the 4th quarter to 0.846 mg/L during the 3rd quarter of 2006. Toluene concentrations were above NMOCD regulatory standards during the 3rd quarter of the reporting period. Ethylbenzene concentrations ranged from 0.006 mg/L during the 4th quarter to 0.802 mg/L during the 3rd quarter of 2006. Ethylbenzene concentrations were above NMOCD regulatory standards during 3rd quarter of the reporting period. Xylene concentrations ranged from 0.0151 mg/L during the 4th quarter to 0.228 mg/L during the 3rd quarter of 2006. Xylene concentrations were below NMOCD regulatory standards during the 3rd and 4th quarters of the reporting period. General groundwater chemistry constituents, as summarized above, were all below NMWQCC regulatory clean-up levels.

Monitor well MW-11 (installed in November 2006) is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standards during the 4th quarter of the reporting period. General groundwater chemistry constituents, as summarized above, were not sampled during the 2006 reporting period.

Monitor well MW-12 (installed in November 2006) is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below MDL and the NMOCD regulatory standards during the 4th quarter of the reporting period. General groundwater chemistry constituents, as summarized above, were not sampled during the 2006 reporting period.

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

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This report presents the results of monitoring activities for the 2006 annual monitoring period. Twelve (12) groundwater monitor wells (MW-1 through MW-12) and one (1) PSH recovery wells (RW-1) are currently on-site. An automated recovery system was operational in the 4th quarter of the 2006 reporting period. The most recent Groundwater Gradient Map, Figure 2D, indicates a general gradient of 0.006 feet/foot to the east-northeast.

Four (4) monitor and recovery wells (MW-3, MW-8, MW-9 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 2006 was 4.35 feet. Approximately 1,607 gallons (approximately 38 barrels) of PSH was recovered from the site during the 2006 reporting period. Approximately 2,074 gallons (approximately 49 barrels) of PSH have been recovered since the project inception

Review of laboratory analytical results of the groundwater samples obtained during the 2006 monitoring period indicates the BTEX constituent concentrations are below applicable NMOCD standards in seven (7) of the thirteen (13) monitor and recovery wells currently on-site. The remaining six (6) monitor and recovery wells contained measurable thicknesses of PSH and were not sampled or exhibited analytical results above the NMOCD regulatory standard during at least one quarterly monitoring event of 2006. Review of the analytical results indicates the horizontal extent of groundwater impact appears to be delineated at this time.

The analytical results of general chemistry constituents indicate all constituent concentrations were below NMWQCC regulatory clean-up levels.

ANTICIPATED ACTIONS

Groundwater monitoring and groundwater sampling will continue in 2007. The onsite automated recovery system may be modified as conditions require. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2008.

A Stage 1 and Stage 2 Abatement Plan was submitted to the NMOCD in October 2006. To date, Plains has not received a response from the NMOCD as to the status of this Abatement Plan.

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

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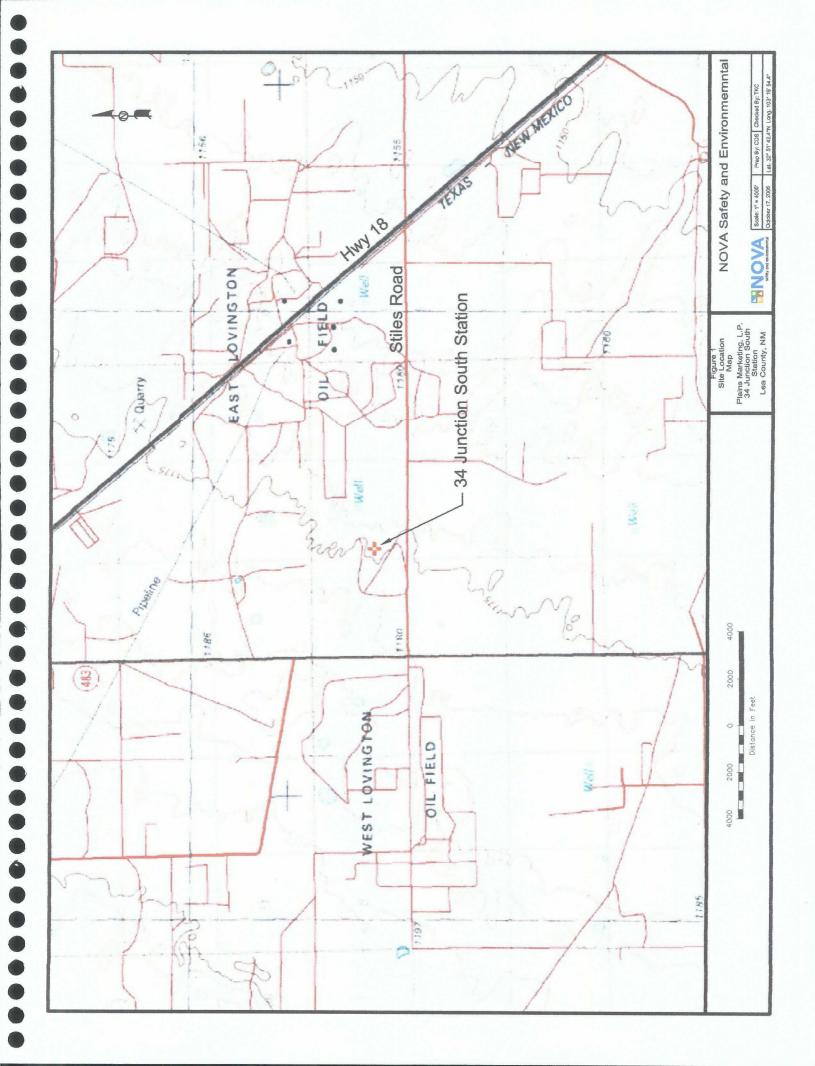
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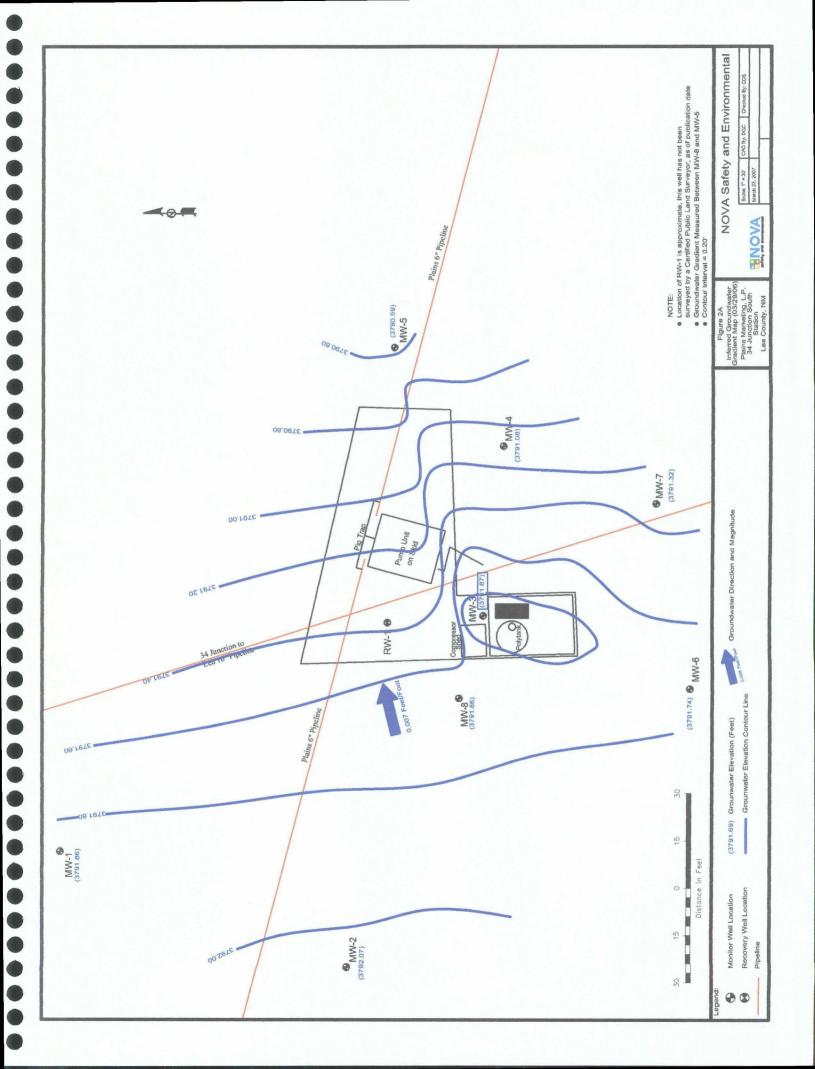
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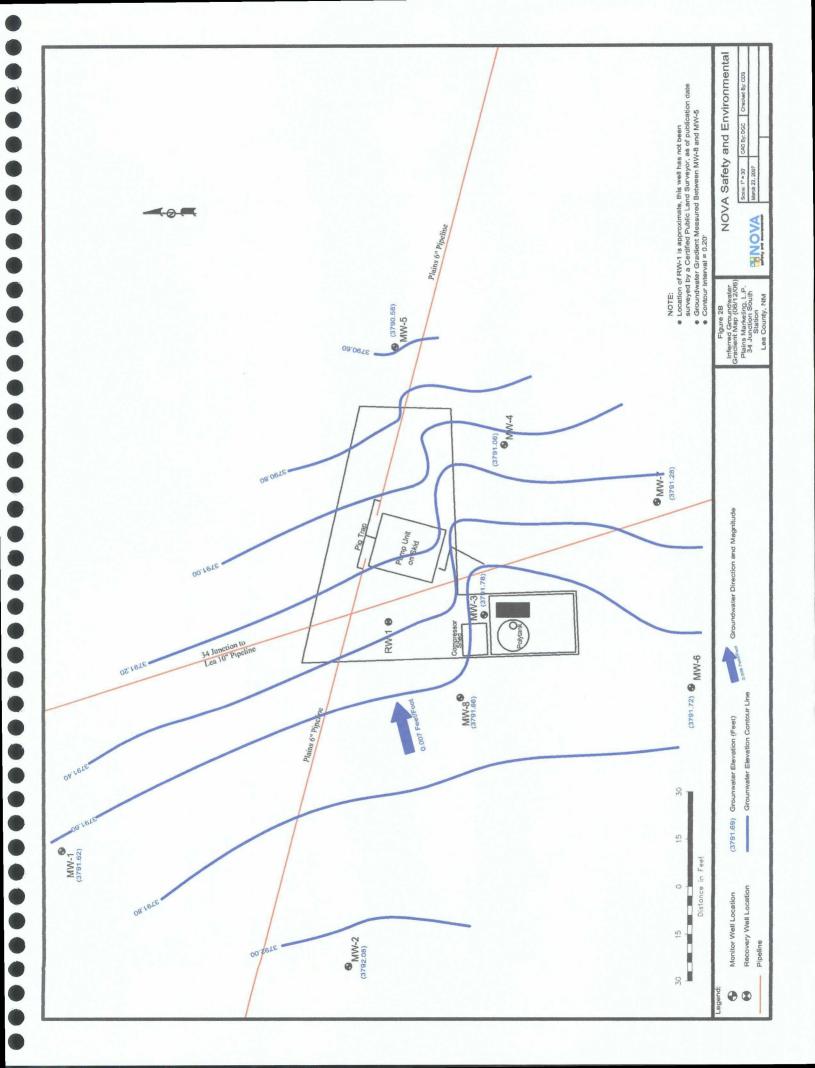
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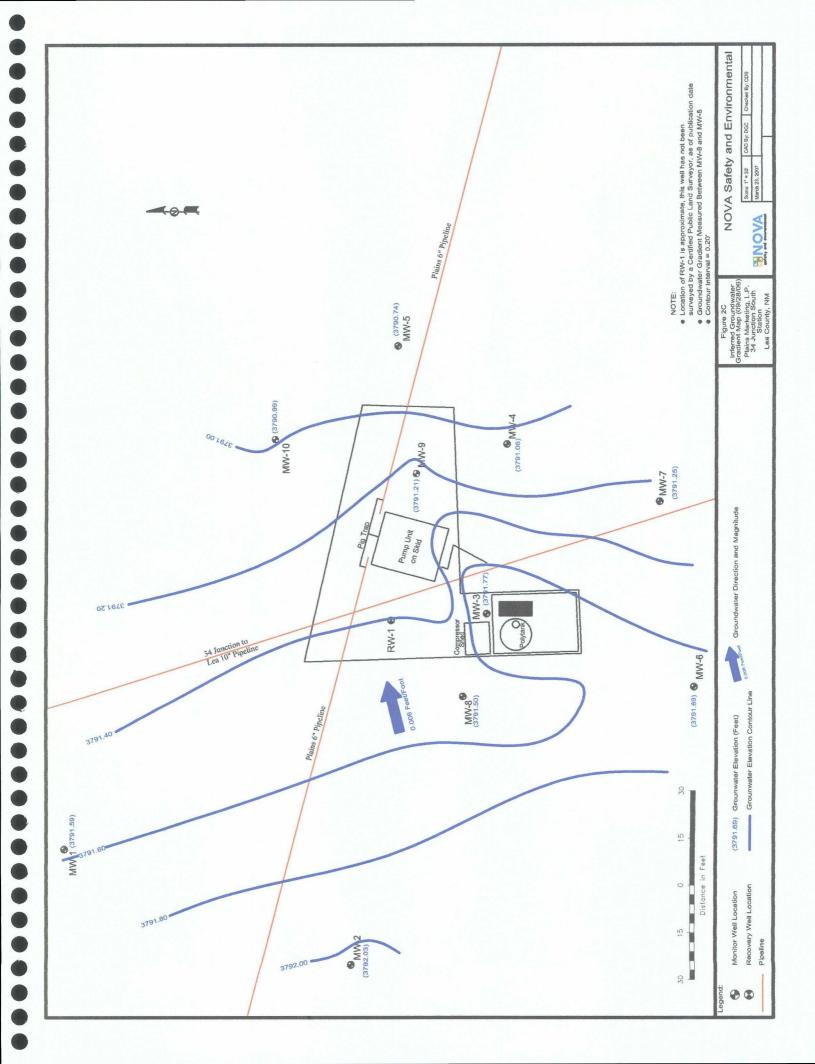
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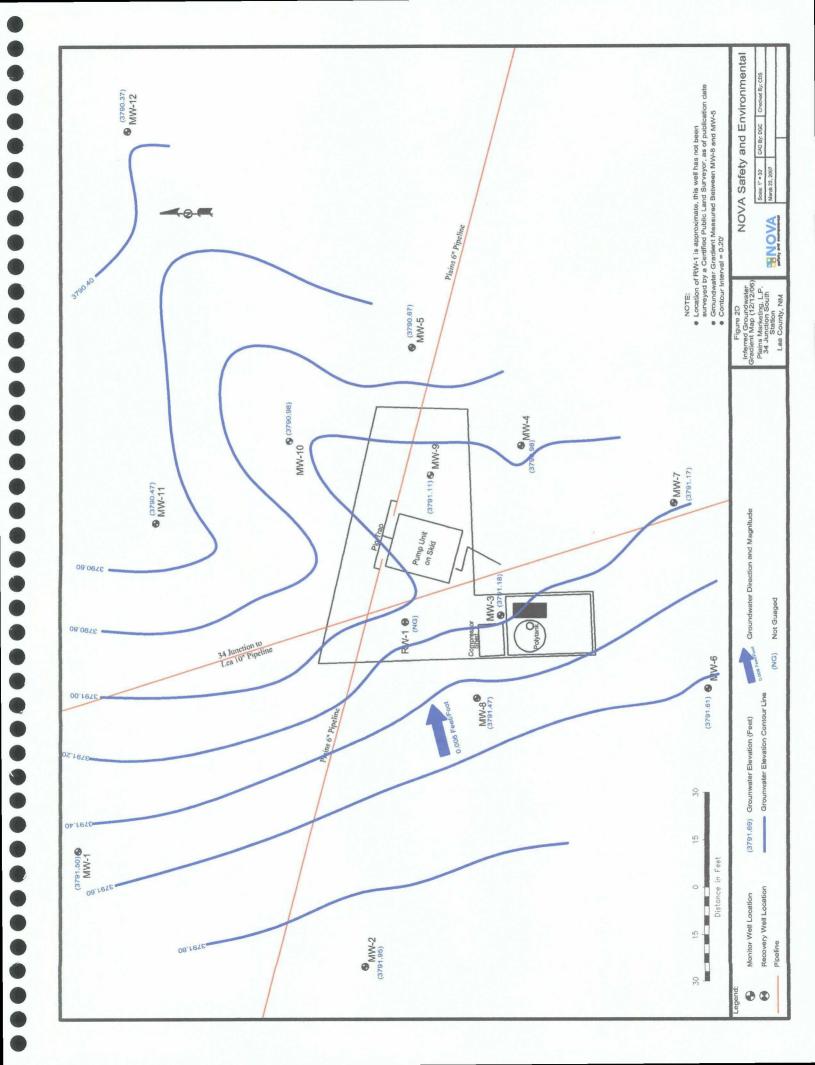
2057 Commerce Street Midland, TX 79703 cstanley@novatraining.cc **FIGURES**

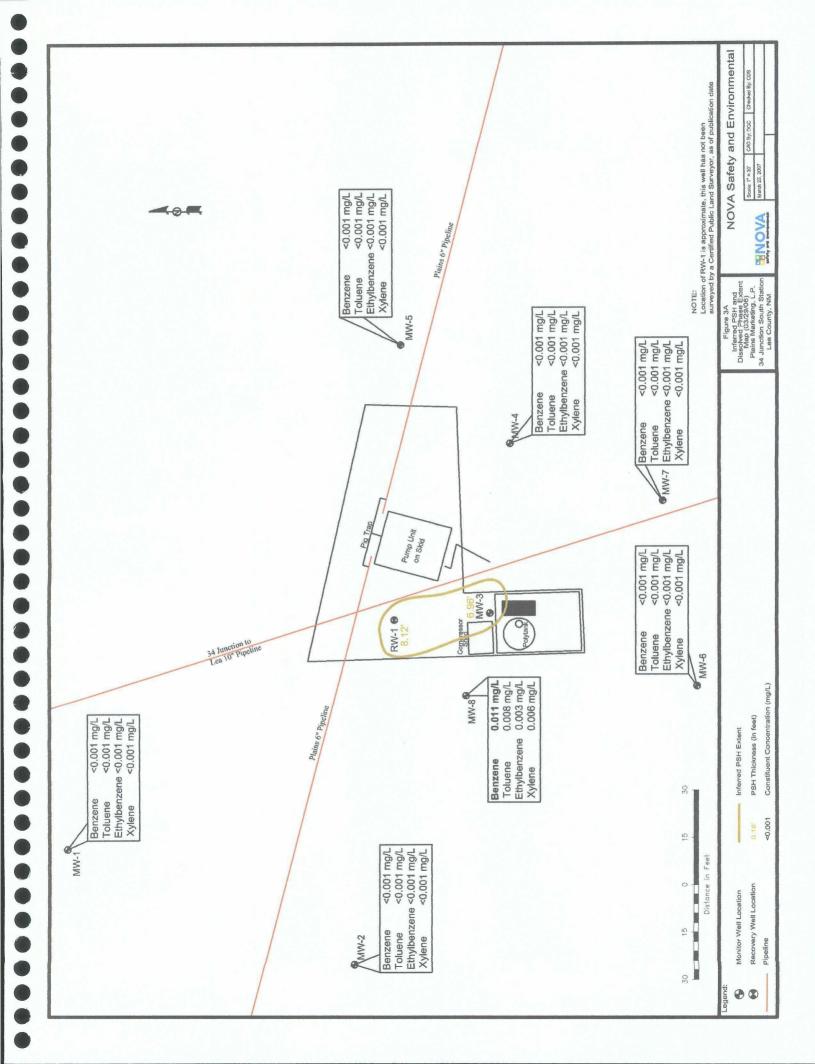


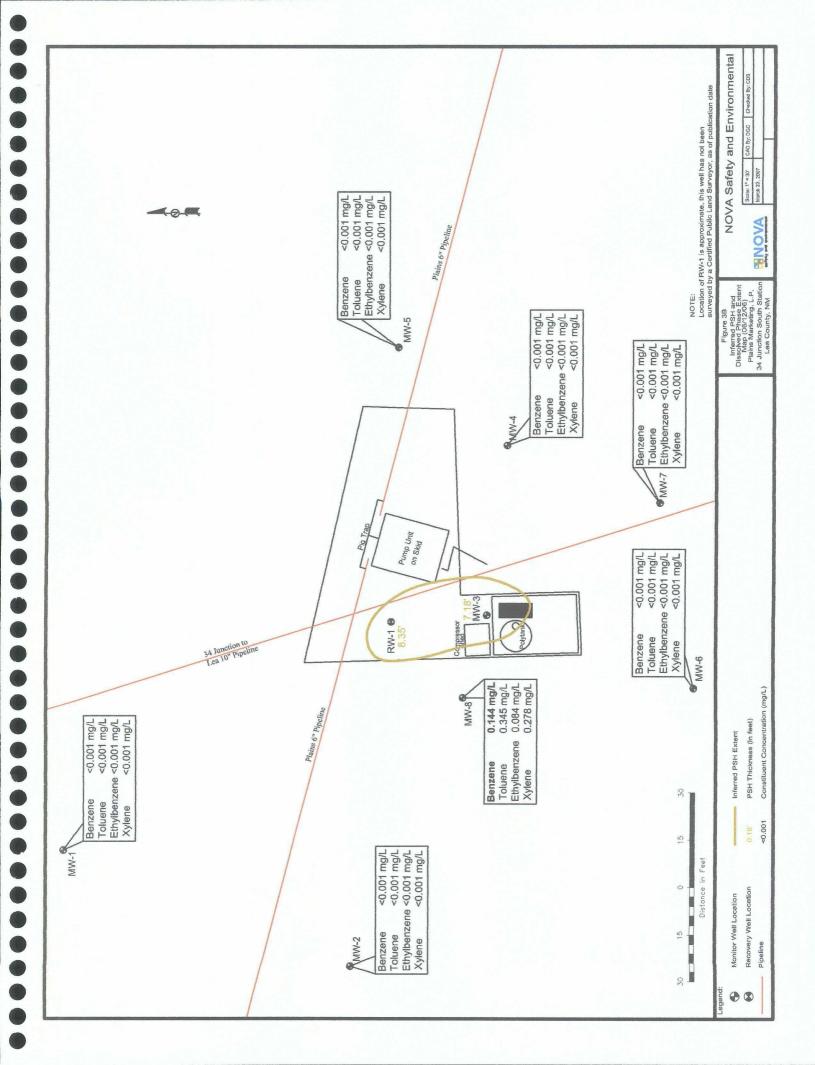


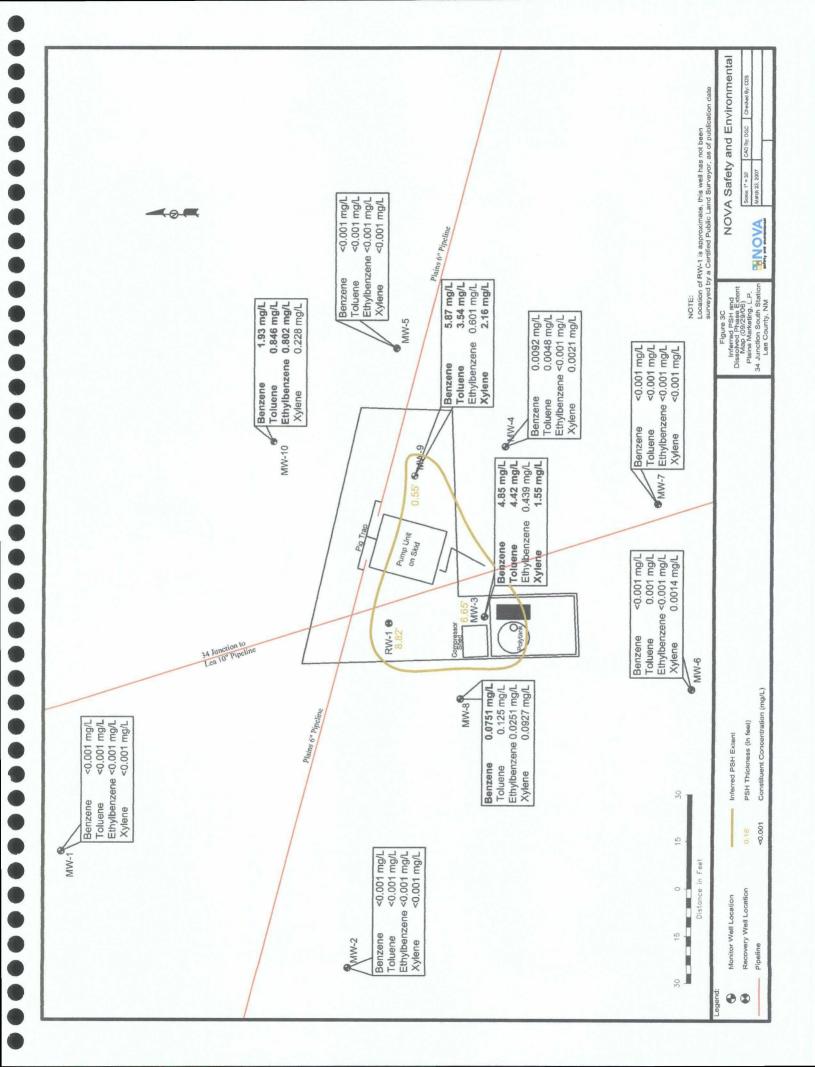












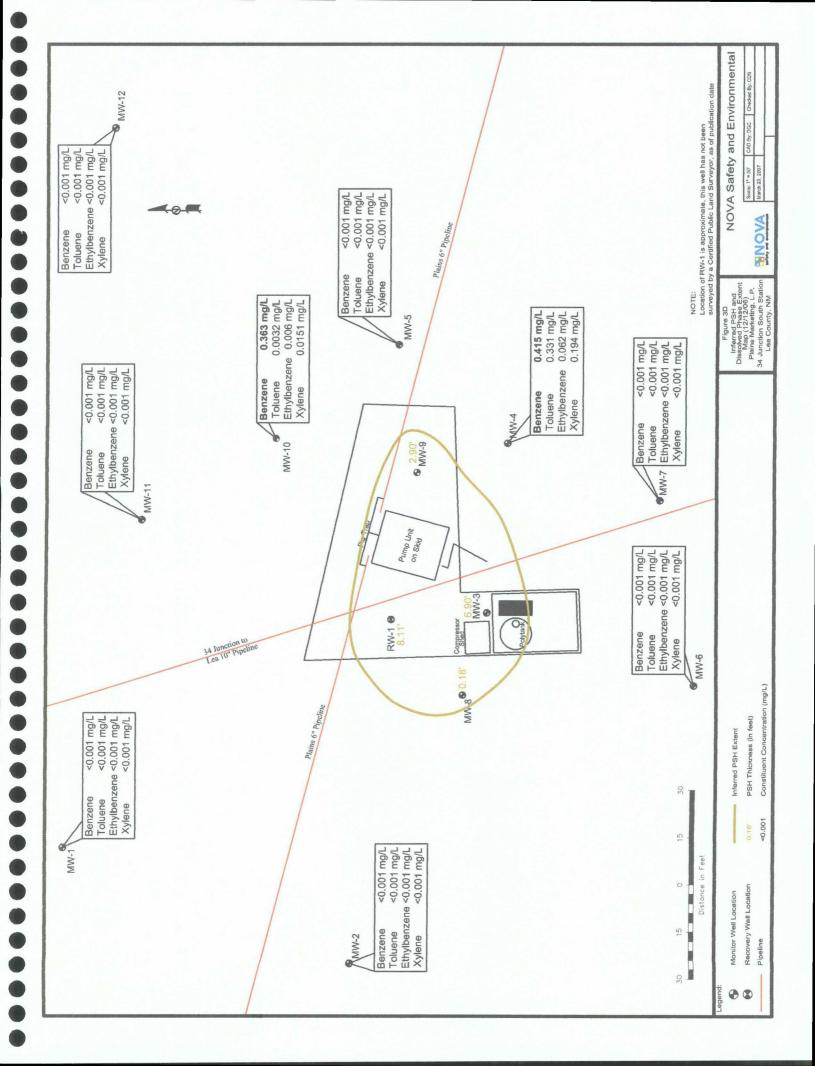


TABLE 1

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2006 GROUNDWATER ELEVATION DATA

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-1	03/29/06	3,850.68	-	58.82	0.00	3,791.86
	08/25/06	3,850.68	-	59.10	0.00	3,791.58
	06/12/06	3,850.68	-	59.06	0.00	3,791.62
	09/15/06	3,850.68	-	59.17	0.00	3,791.51
	09/27/06	3,850.68	sheen	59.11	0.00	3,791.57
	09/28/06	3,850.68	-	59.09	0.00	3,791.59
	10/06/06	3,850.68	_	59.09	0.00	3,791.59
	10/13/06	3,850.68	-	58.11	0.00	3,792.57
	11/03/06	3,850.68	-	59.11	0.00	3,791.57
	12/01/06	3,850.68	-	59.14	0.00	3,791.54
	12/08/06	3,850.68	-	59.16	0.00	3,791.52
	12/12/06	3,850.68	-	59.18	0.00	3,791.50
	12/15/06	3,850.68	-	59.18	0.00	3,791.50
MW-2	03/29/06	3,850.67	_	58.60	0.00	3,792.07
	06/12/06	3,850.67	-	58.59	0.00	3,792.08
	08/25/06	3,850.67	-	58.65	0.00	3,792.02
	09/15/06	3,850.67	-	58.75	0.00	3,791.92
	09/28/06	3,850.67	-	58.64	0.00	3,792.03
	10/06/06	3,850.67	-	58.64	0.00	3,792.03
	10/13/06	3,850.67	-	58.65	0.00	3,792.02
	11/03/06	3,850.67	-	58.69	0.00	3,791.98
	12/01/06	3,850.67	-	58.62	0.00	3,792.05
	12/08/06	3,850.67	-	58.70	0.00	3,791.97
	12/12/06	3,850.67	-	58.72	0.00	3,791.95
	12/15/06	3,850.67	-	58.73	0.00	3,791.94
MW-3	01/03/06	3,850.43	57.25	65.20	7.95	3,791.99
	01/05/06	3,850.43	57.35	64.85	7.50	3,791.96
	01/06/06	3,850.43	57.52	64.05	6.53	3,791.93
	01/09/06	3,850.43	57.34	64.95	7.61	3,791.95
	01/12/06	3,850.43	57.32	64.93	7.61	3,791.97
	01/13/06	3,850.43	57.45	64.31	6.86	3,791.95
	01/16/06	3,850.43	57.35	64.82	7.47	3,791.96
	01/18/06	3,850.43	57.40	64.67	7.27	3,791.94
	01/20/06	3,850.43	57.34	64.71	7.37	3,791.98
	01/23/06	3,850.43	57.35	64.95	7.60	3,791.94
	01/25/06	3,850.43	57.28	64.68	7.40	3,792.04
	01/27/06	3,850.43	57.38	64.72	7.34	3,791.95

TABLE 1
2006 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P. 34 JUNCTION SOUTH STATION LEA COUNTY, NEW MEXICO PLAINS EMS NO. 2005-00138

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WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-3	01/30/06	3,850.43	57.37	64.79	7.42	3,791.95
	02/01/06	3,850.43	57.35	64.95	7.60	3,791.94
	02/03/06	3,850.43	57.42	64.68	7.26	3,791.92
	02/06/06	3,850.43	57.40	64.78	7.38	3,791.92
	02/13/06	3,850.43	57.38	64.89	7.51	3,791.92
	02/16/06	3,850.43	57.41	64.79	7.38	3,791.91
	02/21/06	3,850.43	57.41	64.85	7.44	3,791.90
	02/23/06	3,850.43	57.42	64.79	7.37	3,791.90
	02/27/06	3,850.43	57.41	64.86	7.45	3,791.90
	03/02/06	3,850.43	57.42	64.73	7.31	3,791.91
	03/03/06	3,850.43	57.74	63.35	5.61	3,791.85
	03/06/06	3,850.43	57.46	64.60	7.14	3,791.90
	03/07/06	3,850.43	57.63	63.84	6.21	3,791.87
	03/10/06	3,850.43	57.48	64.59	7.11	3,791.88
	03/15/06	3,850.43	57.46	64.59	7.13	3,791.90
	03/20/06	3,850.43	57.43	64.82	7.39	3,791.89
	03/24/06	3,850.43	57.44	64.71	7.27	3,791.90
	03/27/06	3,850.43	57.49	64.61	7.12	3,791.87
	03/29/06	3,850.43	57.52	64.48	6.96	3,791.87
***	03/31/06	3,850.43	57.50	64.58	7.08	3,791.87
· ·	04/03/06	3,850.43	57.49	64.52	7.03	3,791.89
	04/05/06	3,850.43	57.46	64.77	7.31	3,791.87
	04/07/06	3,850.43	57.46	64.79	7.33	3,791.87
	04/11/06	3,850.43	57.47	64.78	7.31	3,791.86
	04/13/06	3,850.43	57.52	64.53	7.01	3,791.86
	04/14/06	3,850.43	57.68	63.81	6.13	3,791.83
	04/17/06	3,850.43	57.51	64.74	7.23	3,791.84
	04/19/06	3,850.43	57.48	64.75	7.27	3,791.86
	04/24/06	3,850.43	57.51	64.71	7.20	3,791.84
	04/25/06	3,850.43	57.51	64.73	7.22	3,791.84
	05/01/06	3,850.43	57.50	64.79	7.29	3,791.84
	05/02/06	3,850.43	58.52	64.75	6.23	3,790.98
	05/05/06	3,850.43	57.54	64.74	7.20	3,791.81
.,	05/09/06	3,850.43	57.54	64.73	7.19	3,791.81
*****	05/10/06	3,850.43	57.57	64.75	7.18	3,791.78
	05/11/06	3,850.43	57.54	64.78	7.24	3,791.80
	05/15/06	3,850.43	57.53	64.79	7.26	3,791.81
	05/16/06	3,850.43	57.54	64.78	7.24	3,791.80
	05/18/06	3,850.43	57.54	64.79	7.25	3,791.80

TABLE 1
2006 GROUNDWATER ELEVATION DATA

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WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-3	05/22/06	3,850.43	57.53	64.82	7.29	3,791.81
	05/24/06	3,850.43	57.58	64.55	6.97	3,791.80
	05/25/06	3,850.43	57.73	63.88	6.15	3,791.78
	05/30/06	3,850.43	57.54	64.76	7.22	3,791.81
	05/31/06	3,850.43	57.74	63.87	6.13	3,791.77
	06/02/06	3,850.43	57.70	64.07	6.37	3,791.77
	06/06/06	3,850.43	57.56	64.74	7.18	3,791.79
	06/08/06	3,850.43	57.60	64.58	6.98	3,791.78
	06/13/06	3,850.43	57.57	64.75	7.18	3,791.78
	06/15/06	3,850.43	57.62	64.59	6.97	3,791.76
	06/16/06	3,850.43	57.78	64.75	6.97	3,791.60
	06/19/06	3,850.43	57.46	64.77	7.31	3,791.87
	06/20/06	3,850.43	57.56	64.73	7.17	3,791.79
	06/21/06	3,850.43	57.57	64.84	7.27	3,791.77
	06/29/06	3,850.43	57.57	64.84	7.27	3,791.77
	06/30/06	3,850.43	57.57	64.84	7.27	3,791.77
	07/03/06	3,850.43	57.63	64.70	7.07	3,791.74
	07/05/06	3,850.43	57.65	64.58	6.93	3,791.74
	07/07/06	3,850.43	57.66	65.02	7.36	3,791.67
	07/10/06	3,850.43	57.63	64.71	7.08	3,791.74
	07/11/06	3,850.43	57.62	64.82	7.20	3,791.73
	07/12/06	3,850.43	57.81	63.89	6.08	3,791.71
	07/14/06	3,850.43	57.68	64.50	6.82	3,791.73
_	07/17/06	3,850.43	57.64	64.69	7.05	3,791.73
	07/19/06	3,850.43	57.69	64.53	6.84	3,791.71
	07/21/06	3,850.43	57.69	64.50	6.81	3,791.72
	07/24/06	3,850.43	57.65	64.70	7.05	3,791.72
	07/26/06	3,850.43	57.70	64.52	6.82	3,791.71
*	07/28/06	3,850.43	57.71	64.50	6.79	3,791.70
-	08/01/06	3,850.43	57.65	64.78	7.13	3,791.71
	08/02/06	3,850.43	57.95	63.38	5.43	3,791.67
	08/04/06	3,850.43	57.73	64.44	6.71	3,791.69
	08/07/06	3,850.43	57.69	64.70	7.01	3,791.69
"	08/09/06	3,850.43	57.72	64.54	6.82	3,791.69
	08/10/06	3,850.43	57.73	64.50	6.77	3,791.68
	08/14/06	3,850.43	57.70	64.69	6.99	3,791.68
	08/17/06	3,850.43	57.71	64.72	7.01	3,791.67
	08/18/06	3,850.43	57.70	64.74	7.04	3,791.67
1-11-11-11-1	08/25/06	3,850.43	57.73	64.90	7.17	3,791.62

TABLE 1
2006 GROUNDWATER ELEVATION DATA

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WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-3	09/14/06	3,850.43	57.59	65.13	7.54	3,791.71
-	09/15/06	3,850.43	57.70	65.04	7.34	3,791.63
	09/18/06	3,850.43	57.56	59.28	1.72	3,792.61
	09/21/06	3,850.43	57.51	65.35	7.84	3,791.74
	09/26/06	3,850.43	57.46	65.50	8.04	3,791.76
	09/27/06	3,850.43	57.62	65.09	7.47	3,791.69
	09/28/06	3,850.43	57.66	64.31	6.65	3,791.77
	10/02/06	3,850.43	57.51	65.47	7.96	3,791.73
	10/04/06	3,850.43	57.52	65.43	7.91	3,791.72
	10/06/06	3,850.43	57.53	65.42	7.89	3,791.72
	10/09/06	3,850.43	57.52	65.57	8.05	3,791.70
	10/11/06	3,850.43	57.33	65.43	8.10	3,791.89
	10/16/06	3,850.43	57.56	65.49	7.93	3,791.68
	10/18/06	3,850.43	57.58	65.35	7.77	3,791.68
	10/20/06	3,850.43	57.59	65.34	7.75	3,791.68
	10/23/06	3,850.43	57.55	65.36	7.81	3,791.71
	10/25/06	3,850.43	57.61	65.36	7.75	3,791.66
	10/27/06	3,850.43	57.64	65.21	7.57	3,791.65
	10/30/06	3,850.43	57.59	61.53	3.94	3,792.25
	11/01/06	3,850.43	57.65	65.10	7.45	3,791.66
	11/03/06	3,850.43	57.66	65.05	7.39	3,791.66
	11/06/06	3,850.43	57.63	65.13	7.50	3,791.68
	11/08/06	3,850.43	57.63	65.23	7.60	3,791.66
	11/10/06	3,850.43	57.70	65.05	7.35	3,791.63
	11/13/06	3,850.43	57.65	65.10	7.45	3,791.66
	11/15/06	3,850.43	57.70	65.00	7.30	3,791.64
	11/17/06	3,850.43	57.69	65.15	7.46	3,791.62
	11/20/06	3,850.43	57.69	65.08	7.39	3,791.63
	11/22/06	3,850.43	57.73	64.96	7.23	3,791.62
	11/27/06	3,850.43	57.68	65.12	7.44	3,791.63
	11/29/06	3,850.43	<u>57.</u> 74	64.92	7.18	3,791.61
	12/01/06	3,850.43	57.74	64.92	7.18	3,791.61
	12/04/06	3,850.43	57.74	64.98	7.24	3,791.60
	12/06/06	3,850.43	57.78	64.84	7.06	3,791.59
	12/08/06	3,850.43	<u>57.</u> 75	64.83	7.08	3,791.62
	12/12/06	3,850.43	58.22	65.12	6.90	3,791.18
	12/15/06	3,850.43	58.00	64.82	6.82	3,791.41
	12/18/06	3,850.43	57.83	64.76	6.93	3,791.56

2006 GROUNDWATER ELEVATION DATA

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-4	03/29/06	3,850.26	-	59.18	0.00	3,791.08
	06/12/06	3,850.26	-	59.20	0.00	3,791.06
	08/25/06	3,850.26	-	59.23	0.00	3,791.03
	09/15/06	3,850.26	-	59.30	0.00	3,790.96
	09/27/06	3,850.26	sheen	59.18	0.00	3,791.08
	09/28/06	3,850.26	-	59.20	0.00	3,791.06
	10/06/06	3,850.26	-	59.20	0.00	3,791.06
	10/13/06	3,850.26	_	59.22	0.00	3,791.04
	11/03/06	3,850.26		61.11	0.00	3,789.15
	12/01/06	3,850.26	-	59.27	0.00	3,790.99
	12/08/06	3,850.26	_	59.28	0.00	3,790.98
	12/12/06	3,850.26	_	59.28	0.00	3,790.98
	12/15/06	3,850.26	-	59.28	0.00	3,790.98
MW-5	03/29/06	3,849.77	-	59.18	0.00	3,790.59
,	06/12/06	3,849.77	-	59.19	0.00	3,790.58
	08/25/06	3,849.77	-	59.23	0.00	3,790.54
	09/15/06	3,849.77	-	59.29	0.00	3,790.48
	09/27/06	3,849.77	sheen	59.02	0.00	3,790.75
	09/28/06	3,849.77	-	59.03	0.00	3,790.74
	10/06/06	3,849.77	-	59.01	0.00	3,790.76
	10/13/06	3,849.77	-	59.00	0.00	3,790.77
	11/03/06	3,849.77	-	59.03	0.00	3,790.74
	12/01/06	3,849.77	-	59.06	0.00	3,790.71
	12/08/06	3,849.77	-	59.09	0.00	3,790.68
	12/12/06	3,849.77	-	59.10	0.00	3,790.67
	12/15/06	3,849.77	-	59.10	0.00	3,790.67
MW-6	03/29/06	3,851.10	-	59.36	0.00	3,791.74
	06/12/06	3,851.10	-	59.38	0.00	3,791.72
	08/25/06	3,851.10	_	59.41	0.00	3,791.69
	09/15/06	3,851.10	-	59.48	0.00	3,791.62
	09/27/06	3,851.10	sheen	59.42	0.00	3,791.68
	09/28/06	3,851.10	_	59.41	0.00	3,791.69
	10/06/06	3,851.10	-	59.41	0.00	3,791.69
	10/13/06	3,851.10	_	58.42	0.00	3,792.68
	11/03/06	3,851.10	-	59.47	0.00	3,791.63
	12/01/06	3,851.10	_	59.46	0.00	3,791.64
	12/08/06	3,851.10	-	59.46	0.00	3,791.64

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2006 GROUNDWATER ELEVATION DATA

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-6	12/12/06	3,851.10	-	59.49	0.00	3,791.61
	12/15/06	3,851.10	_	59.51	0.00	3,791.59
MW-7	03/29/06	3,847.03	-	55.71	0.00	3,791.32
	06/12/06	3,847.03		55.75	0.00	3,791.28
	08/25/06	3,847.03	-	55.79	0.00	3,791.24
	09/15/06	3,847.03	-	55.86	0.00	3,791.17
	09/28/06	3,847.03	<u>-</u>	55.78	0.00	3,791.25
	10/06/06	3,847.03	-	55.82	0.00	3,791.21
	10/13/06	3,847.03		55.81	0.00	3,791.22
	11/03/06	3,847.03	-	55.81	0.00	3,791.22
	12/01/06	3,847.03		55.82	0.00	3,791.21
	12/08/06	3,847.03		55.84	0.00	3,791.19
	12/12/06	3,847.03		55.86	0.00	3,791.17
	12/15/06	3,847.03	· -	55.85	0.00	3,791.18
MW-8	03/29/06	3,851.00	-	59.34	0.00	3,791.66
	06/13/06	3,851.00	-	59.38	0.00	3,791.62
	06/21/06	3,851.00	59.37	59.38	0.01	3,791.63
	06/29/06	3,851.00	59.37	59.38	0.01	3,791.63
	06/30/06	3,851.00	59.37	59.38	0.01	3,791.63
	07/03/06	3,851.00	59.37	59.38	0.01	3,791.63
	07/05/06	3,851.00	59.37	59.38	0.01	3,791.63
	07/07/06	3,851.00	59.3 <u>7</u>	59.38	0.01	3,791.63
	07/10/06	3,851.00	59.37	59.38	0.01	3,791.63
	07/11/06	3,851.00	59.39	59.40	0.01	3,791.61
	07/12/06	3,851.00	59.39	59.40	0.01	3,791.61
	07/14/06	3,851.00	59.41	59.42	0.01	3,791.59
	07/17/06	3,851.00	59.41	59.42	0.01	3,791.59
	07/19/06	3,851.00	59.40	59.41	0.01	3,791.60
	07/21/06	3,851.00	59.40	59.41	0.01	3,791.60
	07/24/06	3,851.00	59.40	59.41	0.01	3,791.60
	07/26/06	3,851.00	59.41	59.43	0.02	3,791.59
	07/28/06	3,851.00	59.41	59.43	0.02	3,791.59
	08/01/06	3,851.00	59.41	59.43	0.02	3,791.59
	08/02/06	3,851.00	59.42	59.45	0.03	3,791.58
	08/04/06	3,851.00	59.42	59.44	0.02	3,791.58
	08/07/06	3,851.00	59.42	59.45	0.03	3,791.58
	08/09/06	3,851.00	59.42	59.45	0.03	3,791.58

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2006 GROUNDWATER ELEVATION DATA

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-8	08/10/06	3,851.00	59.42	59.45	0.03	3,791.58
	08/14/06	3,851.00	59.43	59.47	0.04	3,791.56
	08/17/06	3,851.00	59.43	59.48	0.05	3,791.56
	08/18/06	3,851.00	59.43	59.47	0.04	3,791.56
	08/25/06	3,851.00	-	59.59	0.00	3,791.41
	09/15/06	3,851.00	-	59.61	0.00	3,791.39
	09/27/06	3,851.00	sheen	59.60	0.00	3,791.40
	09/28/06	3,851.00	-	59.50	0.00	3,791.50
	10/06/06	3,851.00	sheen	59.41	0.00	3,791.59
	10/25/06	3,851.00	59.43	59.53	0.10	3,791.56
	10/27/06	3,851.00	sheen	59.53	0.00	3,791.47
	10/30/06	3,851.00	sheen	59.49	0.00	3,791.51
	11/01/06	3,851.00	sheen	59.47	0.00	3,791.53
	11/03/06	3,851.00	sheen	59.50	0.00	3,791.50
	11/06/06	3,851.00	sheen	59.51	0.00	3,791.49
	11/08/06	3,851.00	59.46	59.49	0.03	3,791.54
	11/10/06	3,851.00	59.48	59.54	0.06	3,791.51
	11/13/06	3,851.00	sheen	59.50	0.00	3,791.50
	11/15/06	3,851.00	sheen	59.54	0.00	3,791.46
	11/17/06	3,851.00	sheen	59.54	0.00	3,791.46
	11/20/06	3,851.00	sheen	59.56	0.00	3,791.44
	11/22/06	3,851.00	sheen	59.54	0.00	3,791.46
	11/27/06	3,851.00	59.53	59.55	0.02	3,791.47
	11/29/06	3,851.00	sheen	59.55	0.00	3,791.45
	12/01/06	3,851.00	sheen	59.56	0.00	3,791.44
	12/04/06	3,851.00	sheen	59.63	0.00	3,791.37
	12/06/06	3,851.00	sheen	59.59	0.00	3,791.41
	12/08/06	3,851.00	59.50	59.57	0.07	3,791.49
	12/12/06	3,851.00	59.50	59.68	0.18	3,791.47
	12/15/06	3,851.00	59.48	59.72	0.24	3,791.48
	12/18/06	3,851.00	59.48	59.79	0.31	3,791.47
MW-9	09/15/06	3,851.04		59.90	0.00	3,791.14
	09/18/06	3,851.04	59.89	60.08	0.19	3,791.12
	09/21/06	3,851.04	58.85	60.24	1.39	3,791.98
	09/26/06	3,851.04	59.72	60.72	1.00	3,791.17
	09/27/06	3,851.04	59.80	60.37	0.57	3,791.15
	09/28/06	3,851.04	59.75	60.30	0.55	3,791.21
	10/02/06	3,851.04	59.71	60.77	1.06	3,791.17

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2006 GROUNDWATER ELEVATION DATA

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-9	10/04/06	3,851.04	59.76	60.63	0.87	3,791.15
	10/06/06	3,851.04	59.74	60.66	0.92	3,791.16
	10/09/06	3,851.04	59.64	61.22	1.58	3,791.16
	10/11/06	3,851.04	59.68	60.95	1.27	3,791.17
	10/16/06	3,851.04	59.50	61.82	2.32	3,791.19
	10/18/06	3,851.04	58.67	61.14	2.47	3,792.00
	10/20/06	3,851.04	59.70	61.07	1.37	3,791.13
	10/23/06	3,851.04	59.59	61.53	1.94	3,791.16
	10/25/06	3,851.04	59.67	61.11	1.44	3,791.15
	10/27/06	3,851.04	59.49	62.04	2.55	3,791.17
	10/30/06	3,851.04	59.55	61.64	2.09	3,791.18
	11/01/06	3,851.04	59.70	61.01	1.31	3,791.14
	11/03/06	3,851.04	59.72	61.03	1.31	3,791.12
	11/06/06	3,851.04	59.56	61.72	2.16	3,791.16
	11/08/06	3,851.04	59.36	62.61	3.25	3,791.19
	11/10/06	3,851.04	59.70	61.21	1.51	3,791.11
	11/13/06	3,851.04	59.52	61.80	2.28	3,791.18
	11/15/06	3,851.04	59.69	61.27	1.58	3,791.11
	11/17/06	3,851.04	59.71	61.22	1.51	3,791.10
	11/20/06	3,851.04	59.56	61.85	2.29	3,791.14
	11/22/06	3,851.04	59.70	61.36	1.66	3,791.09
	11/27/06	3,851.04	59.15	63.63	4.48	3,791.22
	11/29/06	3,851.04	59.69	61.39	1.70	3,791.10
	12/01/06	3,851.04	59.66	61.49	1.83	3,791.11
	12/04/06	3,851.04	59.55	62.00	2.45	3,791.12
	12/06/06	3,851.04	59.72	61.47	1.75	3,791.06
	12/08/06	3,851.04	59.66	61.54	1.88	3,791.10
	12/12/06	3,851.04	59.50	62.40	2.90	3,791.11
	12/15/06	3,851.04	59.31	63.42	4.11	3,791.11
	12/18/06	3,851.04	59.08	64.11	5.03	3,791.21
MW-10	09/15/06	3,851.07	-	60.10	0.00	3,790.97
	09/27/06	3,851.07	sheen	60.06	0.00	3,791.01
	09/28/06	3,851.07	-	60.08	0.00	3,790.99
	10/06/06	3,851.07		60.06	0.00	3,791.01
	10/13/06	3,851.07	-	60.07	0.00	3,791.00
	11/03/06	3,851.07		60.11	0.00	3,790.96
	12/01/06	3,851.07	-	60.15	0.00	3,790.92
	12/08/06	3,851.07	-	60.16	0.00	3,790.91

2006 GROUNDWATER ELEVATION DATA

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
MW-10	12/12/06	3,851.07	-	60.09	0.00	3,790.98
	12/15/06	3,851.07	-	60.17	0.00	3,790.90
MW-11	12/01/06	3,850.96	-	60.06	0.00	3,790.90
	12/08/06	3,850.96	-	60.07	0.00	3,790.89
	12/12/06	3,850.96	-	60.49	0.00	3,790.47
	12/15/06	3,850.96	-	60.10	0.00	3,790.86
MW-12	12/01/06	3,850.45	-	60.48	0.00	3,789.97
	12/08/06	3,850.45	-	60.48	0.00	3,789.97
	12/12/06	3,850.45	-	60.08	0.00	3,790.37
	12/15/06	3,850.45	-	60.51	0.00	3,789.94
RW-1	01/03/06		58.01	66.61	8.60	
	01/05/06		58.05	66.55	8.50	-
	01/06/06		58.25	65.65	7.40	
	01/09/06		58.05	66.55	8.50	
	01/12/06		58.07	66.50	8.43	
	01/13/06		58.20	65.85	7.65	
	01/16/06		58.05	66.50	8.45	
	01/18/06		58.11	66.39	8.28	
	01/20/06		58.07	66.53	8.46	
	01/23/06		58.06	66.50	8.44	
	01/25/06		58.08	66.50	8.42	
	01/27/06		58.05	66.45	8.40	
	01/30/06		58.08	66.48	8.40	
	02/01/06		58.12	66.46	8.34	
	02/03/06		58.17	66.32	8.15	
	02/06/06		58.13	66.47	8.34	
	02/13/06		58.09	66.47	8.38	
	02/16/06		58.15	66.44	8.29	
	02/21/06		58.14	66.47	8.33	
	02/23/06		58.17	66.46	8.29	
	02/27/06		58.16	66.41	8.25	
	03/02/06		58.13	66.40	8.27	
	03/03/06		58.46	64.97	6.51	
	03/06/06		58.16	66.36	8.20	
	03/07/06		58.20	66.14	7.94	
	03/10/06		58.15	66.34	8.19	

2006 GROUNDWATER ELEVATION DATA

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW-1	03/15/06		58.18	66.35	8.17	
	03/20/06		58.16	66.34	8.18	
	03/24/06		58.15	66.35	8.20	
	03/27/06		58.17	66.31	8.14	
	03/29/06		58.18	66.30	8.12	
	03/31/06		58.18	66.31	8.13	
	04/03/06		58.17	66.30	8.13	
	04/05/06		58.16	66.37	8.21	
	04/07/06		58.18	66.39	8.21	
	04/11/06		58.15	66.40	8.25	
	04/13/06		58.19	66.38	8.19	
	04/14/06		58.20	66.23	8.03	
	04/17/06		58.19	66.40	8.21	
	04/19/06		58.18	66.41	8.23	
	04/24/06		58.21	66.37	8.16	
•	04/25/06		58.22	66.39	8.17	
	05/01/06		57.14	66.45	9.31	
	05/02/06		57.53	66.49	8.96	
	05/05/06		58.18	66.42	8.24	
	05/09/06		58.20	66.39	8.19	
	05/10/06		58.19	66.39	8.20	
	05/11/06		58.19	66.40	8.21	
	05/15/06		58.21	66.41	8.20	
	05/16/06		58.20	66.41	8.21	
	05/18/06		58.22	66.39	8.17	
	05/22/06		58.21	66.53	8.32	
	05/24/06		58.21	66.49	8.28	
	05/25/06		58.25	66.41	8.16	
	05/30/06		58.21	66.54	8.33	
	05/31/06		58.26	66.39	8.13	
	06/02/06		58.23	66.44	8.21	
,	06/06/06		58.24	66.56	8.32	
	06/08/06		58.23	66.54	8.31	
	06/13/06		58.21	66.56	8.35	
	06/15/06		58.24	66.54	8.30	
	06/16/06		58.28	66.52	8.24	
	06/19/06		58.16	66.37	8.21	
	06/20/06		58.23	66.51	8.28	
	06/21/06		57.25	65.66	8.41	

2006 GROUNDWATER ELEVATION DATA

PLAINS MARKETING, L.P. 34 JUNCTION SOUTH STATION LEA COUNTY, NEW MEXICO PLAINS EMS NO. 2005-00138

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WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW-1	06/29/06		57.25	65.66	8.41	
	06/30/06		57.30	65.56	8.26	
	07/03/06		57.30	65.66	8.36	
	07/05/06		57.32	65.67	8.35	
	07/07/06		57.31	65.68	8.37	
	07/10/06		57.32	65.71	8.39	
	07/11/06		57.30	65.75	8.45	
	07/12/06		57.35	65.53	8.18	
	07/14/06		57.31	65.66	8.35	
	07/17/06		57.30	65.67	8.37	
	07/19/06		57.32	65.66	8.34	
	07/21/06		57.32	65.65	8.33	
	07/24/06		57.30	65.69	8.39	
	07/26/06		57.31	65.67	8.36	
	07/28/06		57.32	65.68	8.36	
	08/01/06		57.32	65.71	8.39	
	08/02/06		57.38	65.46	8.08	
	08/04/06		57.33	65.65	8.32	
	08/07/06		57.34	65.70	8.36	
	08/09/06		57.34	65.67	8.33	
	08/10/06		57.35	65.67	8.32	
	08/14/06		57.34	65.71	8.37	
	08/17/06		57.35	65.72	8.37	*****
	08/18/06		57.34	65.70	8.36	
	01/27/06		58.08	66.50	8.42	
	02/28/06		58.05	66.45	8.40	
	08/25/06		57.39	65.76	8.37	
	09/14/06		56.34	69.70	13.36	
	09/15/06		56.65	68.65	12.00	
	09/18/06		56.73	67.95	11.22	
	09/21/06		56.90	66.27	9.37	
	09/26/06		56.98	66.78	9.80	
	09/27/06		57.04	66.40	9.36	
	09/28/06		57.13	65.95	8.82	
	10/02/06		57.10	66.31	9.21	
	10/04/06		57.16	66.23	9.07	
	10/06/06		57.19	66.15	8.96	· · · · · · · · · · · · · · · · · · ·
	10/09/06		57.22	66.07	8.85	
	10/11/06		57.25	65.95	8.70	

TABLE 1
2006 GROUNDWATER ELEVATION DATA

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUNDWATER ELEVATION
RW-1	10/16/06		57.28	65.88	8.60	
	10/18/06		57.31	67.77	10.46	
	10/20/06	,	57.31	65.75	8.44	
	10/23/06		57.29	66.66	9.37	
	10/25/06		57.34	65.66	8.32	
	10/27/06		57.36	65.64	8.28	
	10/30/06		57.38	65.61	8.23	
	11/01/06		57.36	65.54	8.18	
	11/03/06		57.38	65.52	8.14	
	11/06/06		57.38	65.49	8.11	
	11/08/06		57.39	65.52	8.13	
	11/10/06		57.50	65.49	7.99	
	11/13/06		57.41	65.46	8.05	
	11/15/06		57.48	65.42	7.94	
	11/17/06		57.44	65.42	7.98	
	11/20/06		57.46	65.46	8.00	
	11/22/06		57.45	65.42	7.97	
	11/27/06		57.46	65.48	8.02	
	11/29/06		57.49	65.44	7.95	
	12/01/06		57.49	65.44	7.95	
	12/04/06		57.50	65.46	7.96	
	12/06/06		57.51	65.43	7.92	
	12/08/06		57.51	65.42	7.91	
	12/12/06		57.59	65.70	8.11	
	12/15/06		57.69	64.65	6.96	
	12/18/06	_	57.65	64.75	7.10	

2006 CONCENTRATIONS OF BTEX IN GROUNDWATER

PLAINS MARKETING, L.P. JUNCTION 34 SOUTH STATION LEA COUNTY, NEW MEXICO PLAINS EMS NO. 2005-00138

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	SAMPLE	E METHODS: EPA SW 846-8021B, 5030					
DATE		BENZENE	TOLUENE	M,P- O-XYLENES			
SAMPLE LOCATION				BENZENE	XYLENES	ļ	
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
NMOCD REGULATORY LIMIT		0.01	0.75	0.75	0.62		
MW-1	03/29/06	< 0.001	< 0.001	< 0.001	< 0.001	<0.001	
	06/12/06	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
	09/29/06	< 0.001	< 0.001	< 0.001	<0	001	
	12/12/06	< 0.001	< 0.001	< 0.001	< 0.001		
MW-2	03/29/06	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
	06/12/06	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
	09/29/06	< 0.001	< 0.001	< 0.001	<0.	001	
	12/12/06	< 0.001	< 0.001	< 0.001	<0.	001	
MW-3	03/29/06	Not Sampled	due to PSH	in Well			
	06/12/06	Not Sampled	due to PSH	in Well			
*	09/29/06	4.85	4.42	0.439	1.55		
	12/12/06	Not Sampled	due to PSH	in Well		, , ,	
MW-4	03/29/06	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
	06/12/06	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
	09/29/06	0.0092	0.0048	< 0.001		021	
12/12/06		0.415 0.331 0.062			0.194		
MW-5	03/29/06	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
	06/12/06	< 0.001	< 0.001	<0.001	< 0.001	<0.001	
	09/29/06	< 0.001	< 0.001	< 0.001		001	
	12/12/06	< 0.001	< 0.001	< 0.001	<0.001		
	12/12/00	0.001	5.00				
MW-6	03/29/06	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	
11111 0	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001	
	09/29/06	<0.001	0.001	<0.001		014	
	12/12/06	<0.001	0.001	<0.001		001	
	12/12/00	<0.001	0.001	-0,001		001	
MW-7	03/29/06	< 0.001	< 0.001	<0.001	< 0.001	<0.001	
	06/12/06	<0.001	<0.001	<0.001	<0.001	<0.001	
	09/29/06	<0.001	< 0.001	<0.001		001	
	12/12/06	<0.001	< 0.001	<0.001		001	
_	12/12/00	-0.001	5.001	5,001	70.		
MW-8	03/29/06	0.011	0.008	0.003	0.006	< 0.001	
	06/13/06	0.144	0.345	0.084	0.199	0.079	
	09/29/06	0.0751	0.125	0.0251		927	
	12/12/06	Not Sampled			0.0	721	
	12/12/00	. ioi Bampico	. 240 (0 1 011				
MW-9	09/29/06	5.87	3.54	0.601	2.16		
IVI YY "7	12/12/06	Not Sampled				10	
	12/12/00	1. 10t Sampicu	. 440 10 1 011	*** 011			
MW-10	09/29/06	1.93	0.846	0.802	0.228		
141 44 - 10	12/12/06	0.363	0.0032	0.006		151	
	14/14/00	V.303	0.0034	0.000	0.0	101	
MW-11	12/12/06	<0.001	< 0.001	< 0.001	~ 0	001	
IAT AA - 7 T	14/12/00	~0.001	~0.001	~0.001	<0.	VVI	

2006 CONCENTRATIONS OF BTEX IN GROUNDWATER

SAMPLE METHODS: EPA SW 846-8021B, 5030						
SAMPLE LOCATION	DATE	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL- BENZENE (mg/L)	M,P- XYLENES (mg/L)	O-XYLENES (mg/L)
NMOCD REGULATOR	RY LIMIT	0.01	0.75	0.75	0	.62
MW-12	12/12/06	< 0.001	< 0.001	<0.001	< 0.001	
RW-1	03/29/06	Not Sample	t Sampled due to PSH in Well			
	06/12/06	Not Sampled due to PSH in Well		in Well		
*	09/29/06	7.86	8.8	0.986	. 3	.2
	12/12/06	Not Sampled due to PSH in Well				

Bold indicates constituent exceeds NMOCD regulatory limits

* indicates well contained measurable thicknesses of PSH which was recovered before sampling

TABLE 3

CONCENTRATIONS OF BTEX AND TPH IN SOIL

PLAINS MARKETING, L.P. 34 JUNCTION SOUTH STATION LEA COUNTY, NEW MEXICO EMS: 2005-00138

SAMPLE	SAMPLE	SAMPLE	Γ		METHOD: 8015M						
LOCATION	DEPTH	DATE	BENZENE	TOLUENE	ETHYL-	M,P-	O-XYLENE	TOTAL BTEX	GRO C	DRO C ₁₂ -C ₃₅	TOTAL TPH
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
NMOCD REGULATORY LIMIT			10					50			100
MW-6 5'	5' bgs	02/28/06	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<10.0	<10.0	<10.0
MW-6 15'	15' bgs	02/28/06	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<10.0	<10.0	<10.0
MW-6 25'	25' bgs	02/28/06	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<10.0	<10.0	<10.0
MW-6 55'	55' bgs	02/28/06	< 0.025	< 0.025	< 0.025	<0.025	< 0.025	< 0.025	<10.0	<10.0	<10.0
MW-7 5'	5' bgs	02/28/06	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<10.0	<10,0	<10.0
MW-7 15'	15' bgs	02/28/06	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<10.0	<10.0	<10.0
MW-7 25'	25' bgs	02/28/06	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<10.0	<10,0	<10.0
MW-7 55'	55' bgs	02/28/06	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<10.0	<10.0	<10.0
MW-8 5'	5' bgs	03/01/06	< 0.025	< 0.025	<0.025	< 0.025	< 0.025	< 0.025	<10.0	<10.0	<10.0
MW-8 15'	15' bgs	03/01/06	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<10.0	<10.0	<10.0
MW-8 25'	25' bgs	03/01/06	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<10.0	<10.0	<10.0
MW-8 50'	50' bgs	03/01/06	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<10.0	<10.0	<10.0
MW-8 60'	60' bgs	03/01/06	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<10.0	<10.0	<10.0
MW-9 @ 15'	15' bgs	09/13/06							<10.0	<10.0	<10.0
MW-9 @ 35'	35' bgs	09/13/06							<10.0	<10.0	<10.0
MW-9 @ 55'	55' bgs	09/13/06							1280	3130	4410
MW-10 @ 15'	15' bgs	09/13/06							<10.0	<10.0	<10.0
MW-10 @ 35'	35' bgs	09/13/06							<10.0	<10.0	<10.0
MW-10 @ 55'	55' bgs	09/13/06							<10	62.6	62.6
MW-11 @ 15'	15' bgs	11/29/06							<10.0	<10.0	<10.0
MW-11 @ 30'	30' bgs	11/29/06							<10.0	<10.0	<10.0
MW-11 @ 55'	55' bgs	11/29/06							<10.0	<10.0	<10.0
MW-12 @ 15'	15' bgs	11/29/06							<10.0	<10.0	<10.0
MW-12 @ 30'	30' bgs	11/29/06							<10.0	<10.0	<10.0
MW-12 @ 55'	55' bgs	11/29/06							<10.0	<10.0	<10.0

TARIF 4

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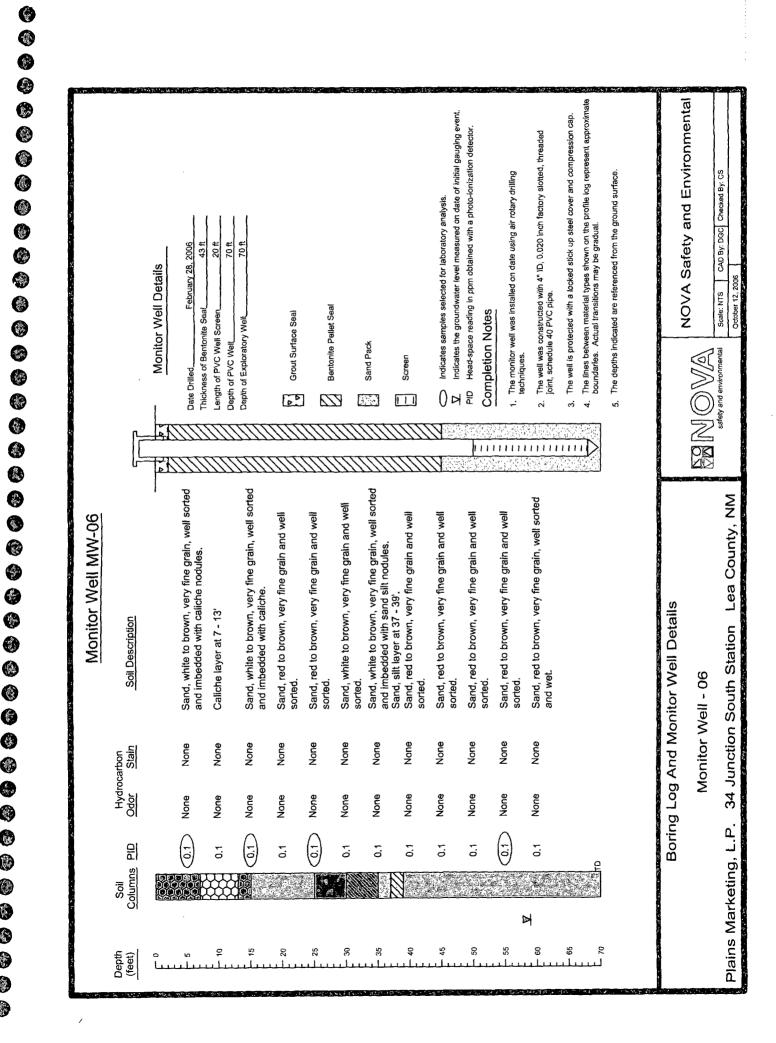
GENERAL GROUNDWATER CHEMISTRY CONCENTRATIONS

PLAINS MARKETING, L.P. 34 JUNCTION SOUTH STATION LEA COUNTY, NEW MEXICO PLAINS EMS NO: 2005-00138

Total Dissolved Solids mg/L	1000	414	459	466	357	975	609	550	497	355	325	203
Sulfate mg/L	009	56.9	9.98	78.1	49.8	66.8	192	129	89.7	40.8	37.1	50.0
pH s.u.s	Between 6 and 9	7.24	7.16	7.01	7.27	7.27	7.1	7.16	7.07	7.08	7.33	00 8
Total Sodium mg/L	•	35.9	38.3	36.2	31.5	33.4	23.4	28.1	38.1	28.1	22.2	22.0
Total Magnesium mg/L	•	8.26	10.6	986	11.6	14.7	16.3	22.7	10.2	. 50.2	52.1	000
Total Potassium mg/L	•	3.81	3.38	3.54	4.18	4.09	4.02	5.72	4.09	9.72	5.68	1 00
Fluoride mg/L	1.6	1.4	1.35	1.18	1.4	1.27	1.26	1.15	1.28	1.41	1.42	1 114
Specific Conductance uMHOS/cm	•	687	749	764	601	009	926	714	794	265	450	67.4
Chloride mg/L	250	37.9	31.2	35.6	30.8	15.7	32.6	37.1	39.1	24.5	11.5	25.6
Total Calcíum mg/L	•	105	120	117	128	121	169	468	126	625	532	01.7
Total Alkalinity as CaCo3	ı	206	205	222	183	194	234	217	236	214	206	211
Carbonate Bicarbonate Alkalinity Alkalinity as as CaCo3 CaCo3		206	205	222	183	194	234	217	236	214	206	244
	,	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	V 100
Hydroxic Alkalinity mg/L as CaCo3		<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Sample Date	Regulatory Limit	09/23/06										
Sample Location	WQCC Regulatory Limit	MW-1	MW-2	MW-3	MW-4	MW-5	9-MW	2-MW	8-WW	MW-9	MW-10	1.W.G

APPENDICES

APPENDIX A:
Boring Logs and Monitor Well Details

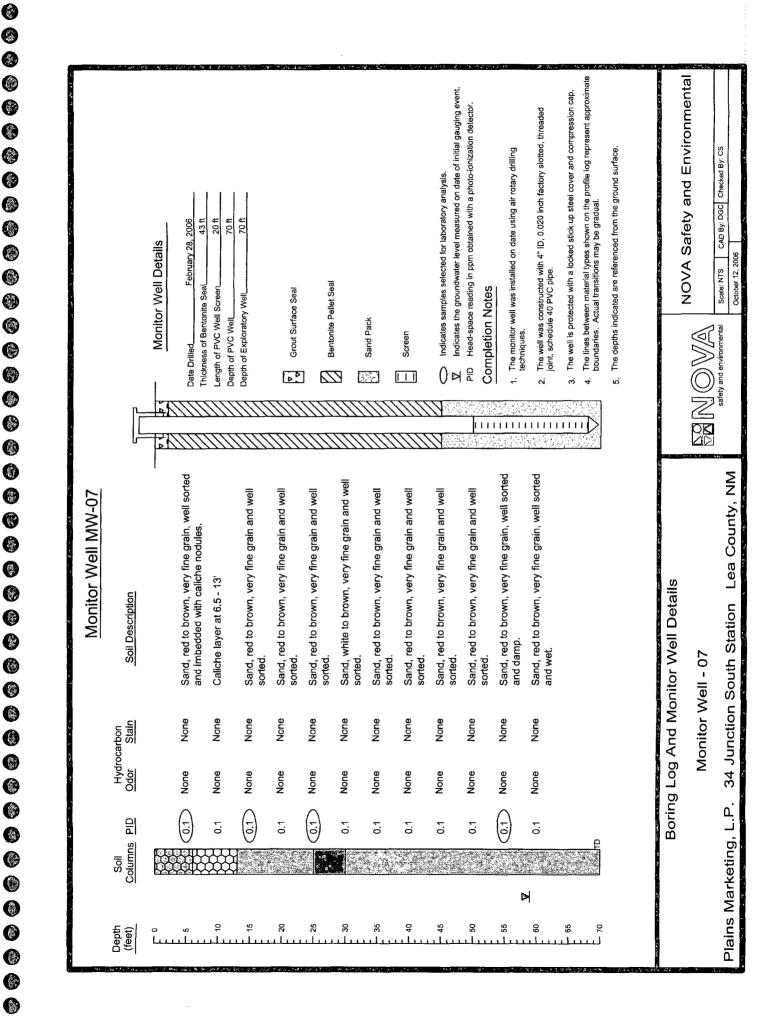


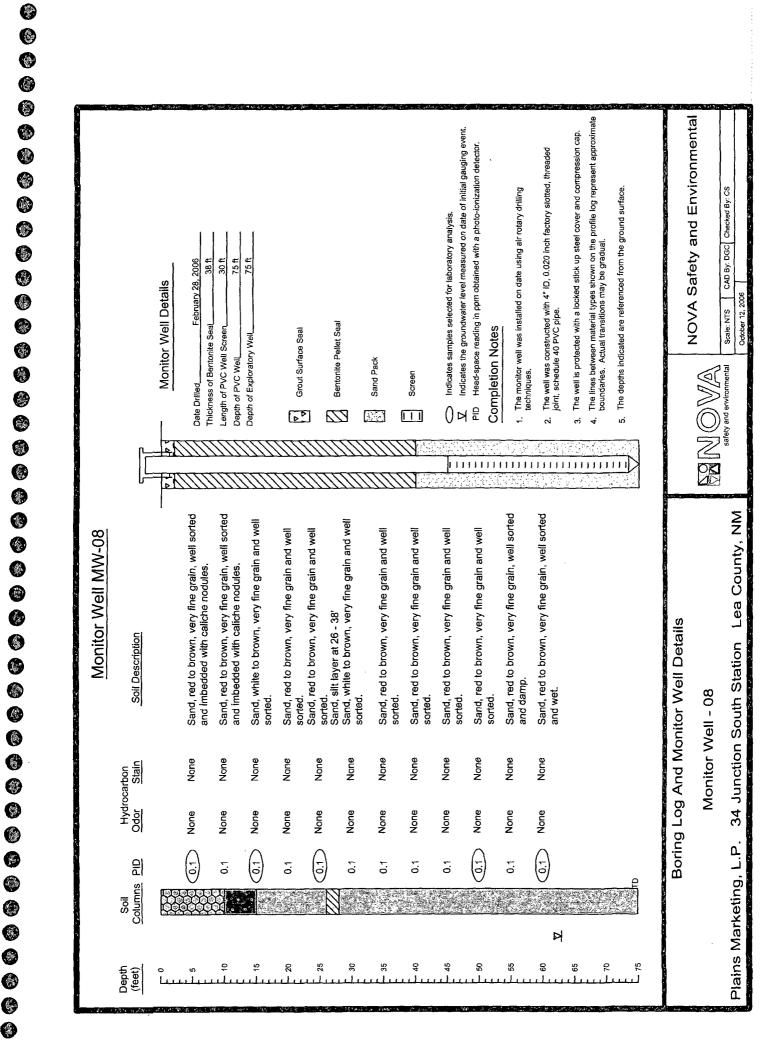
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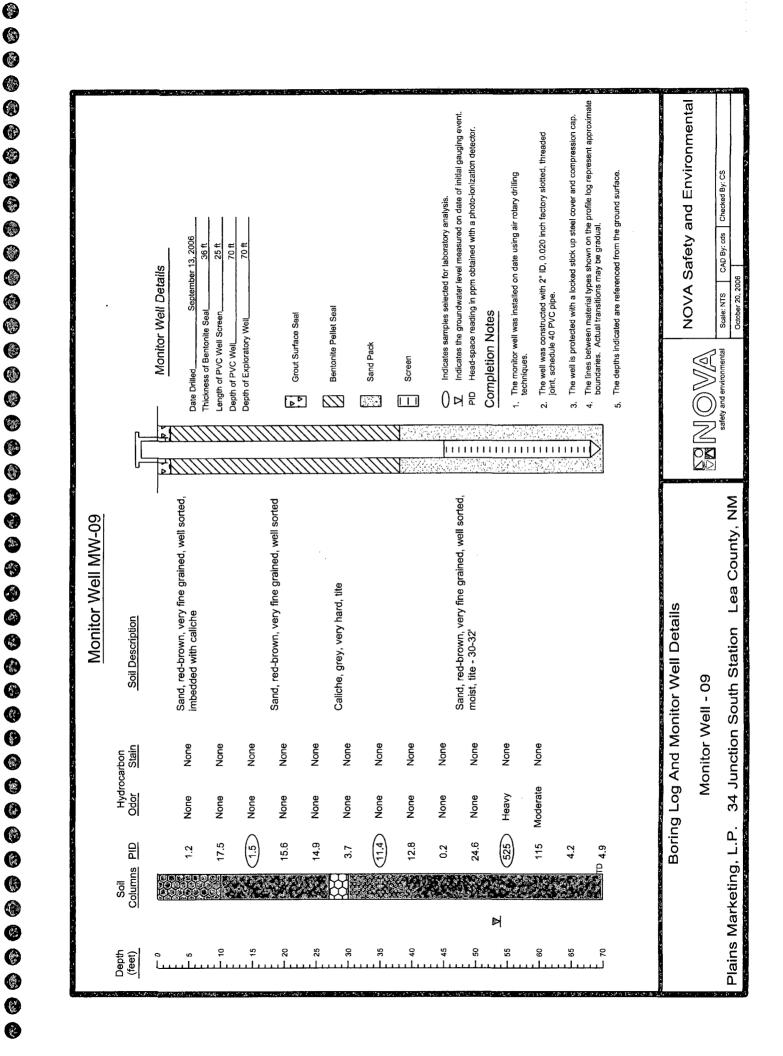
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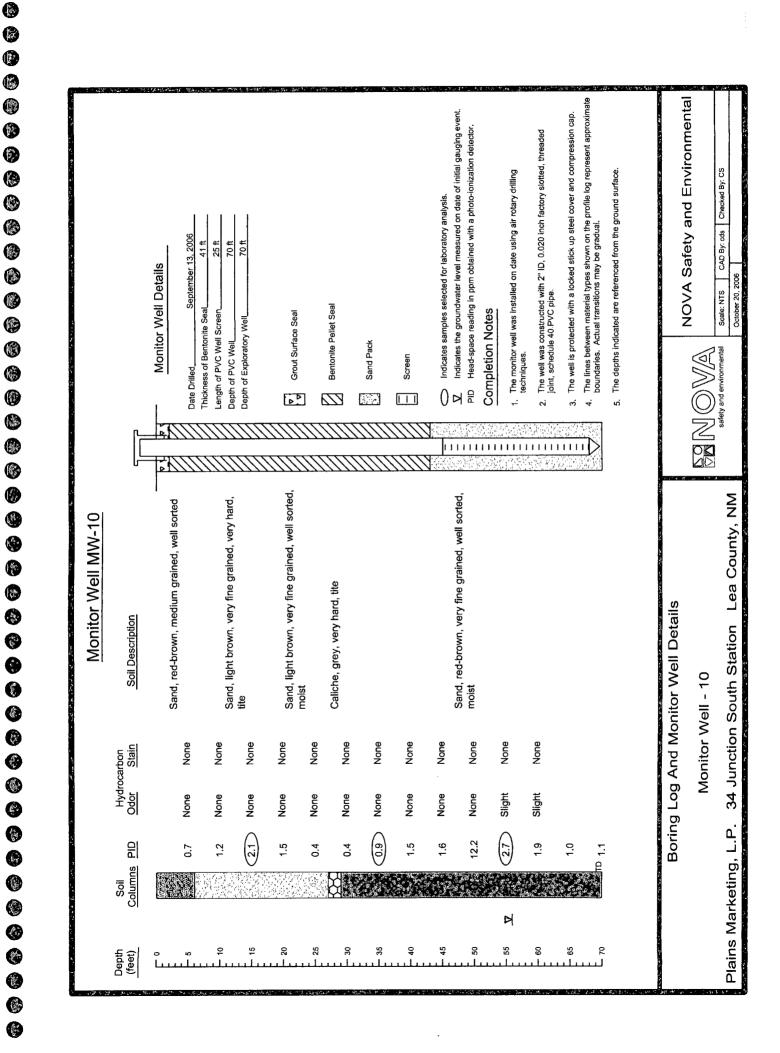
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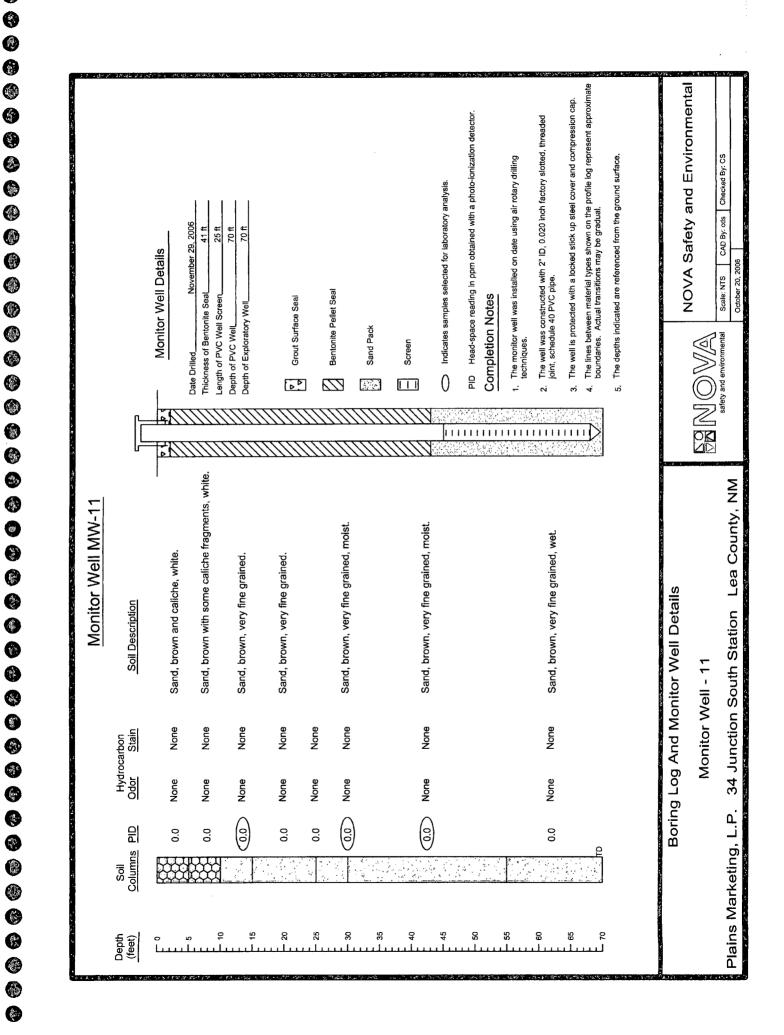
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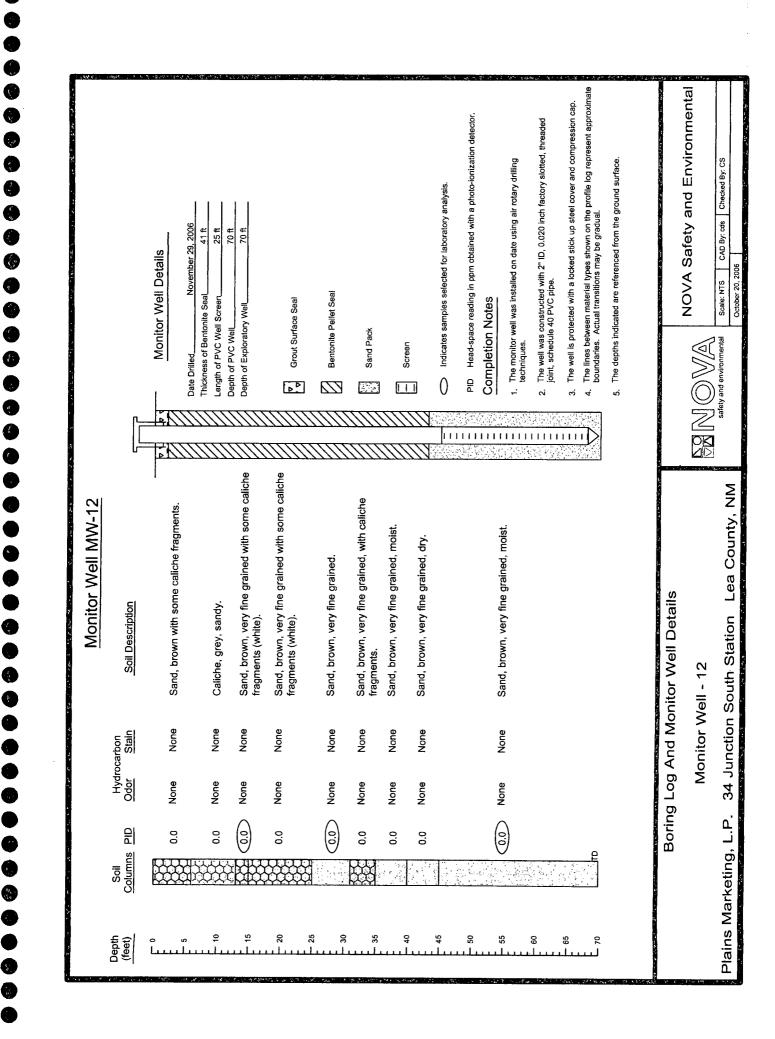












APPENDIX B:
Release Notification and Corrective Action
(Form C-141)

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

	OPERA	TOR	x Initi	al Report	Final Repor			
Name of Company Plains Marketing, LP	Contact Cam	ille 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 Owne	r Lease No.							
LOCATIO	ON OF REL	FACE						
	rth/South Line	Feet from the	East/West Line	County	· · · · · ·			
M 2 178 36E	lan South Line	Tool Holl ale	Edit West Ethe	Lea				
			<u> </u>		· · · · · · · · · · · · · · · · · · ·			
Latitude 32° 51'42.4"	Longitude	103° 19'54.4"		_				
NATUR	E OF RELE	EASE						
Type of Release Crude Oil		Release 15 barrel	s Volume I	Recovered .5 barrels	3			
Source of Release Malfunction of check valve on air eliminator		our of Occurrenc		nd Hour of Discovery				
Was Immediate Notice Given?	6-10-05 @		@ 07:45	07:45 03.10.11.12.13.14.16.16.15				
Was Infinitelyate Notice Given				291011	15/6			
By Whom? Camille Reynolds	Date and He	our 6-10-05 @ 1	3:31	_/ <u>^</u>	· 40			
Was a Watercourse Reached?	If YES, Vo	lume Impacting t	he Watercourse.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<i>l</i> y			
☐ Yes ☒ No				4 6	` . 			
If a Watercourse was Impacted, Describe Fully.*				12	Y. G.			
					Á			
				₹0 ⁶ 0582	بالأولان			
				28592	1292627			
Describe Cause of Problem and Remedial Action Taken.* Mechanical	malfunction of c	heck valve on air	eliminator resulte	ed in release. Isolate	ed air			
eliminator off of metering system. The station produces approximately gravity on the sweet crude is 42.5, the H2S content is <10 ppm.	100 barrels of s	weet crude oil pe	r day. The pressu	re on the line is <10	psi and the			
gavity on the sweet orace is 12.0, the 1120 content is 110 ppin.								
Describe Area Affacted and Cleanum Action Token & The improved sai	Luca avanuatad				-			
Describe Area Affected and Cleanup Action Taken.* The impacted soi 1,620 square feet.	i was excavated a	ina stockpilea on	plastic. Aerial ex	tent of surface impa	act was			
	1.							
	:							
I hereby certify that the information given above is true and complete to	o the best of my l	mowledge and u	nderstand that num	mont to NR4OCD =	1.2.3.36			
regulations all operators are required to report and/or file certain release	e notifications an	d perform correc	tive actions for rel	eases which may en	danger			
public health or the environment. The acceptance of a C-141 report by	the NMOCD ma	rked as "Final Re	port" does not rel	ieve the operator of	liability			
should their operations have failed to adequately investigate and remed or the environment. In addition, NMOCD acceptance of a C-141 repor	iate contaminatio	n that pose a thre	eat to ground water	r, surface water, hur	nan health			
federal, state, or local laws and/or regulations.	r does not reneve	the operator of r	esponsibility for c	ompliance with any	other			
		OIL CONS	SERVATION	DIVISION	 			
and constant to another	÷		************	DIVIDIOIN				
Signature amile LEcholds	┨							
Printed Name: Camille Reynolds	Approved by I	District Superviso	or:		•			
Title: Remediation Coordinator	Annacial D-4-		<u> </u>	The state of the s				
rus. Remediation Coordinator	Approval Date	i.	Expiration	mon Date:				
E-mail Address: cjreynolds@paalp.com	Conditions of Approval:			Attached				
Date: 6-13-05 Phone: 505-441-0965								
Attach Additional Sheets If Necessary				<u> </u>				