1R-380

REPORTS

DATE: 2006



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

April 11, 2006

Ms. Camille Reynolds Plains Pipeline, L.P. 3112 West Highway 82 Lovington, NM 88260

RE: 2005 Annual Groundwater Monitoring Report
Plains Pipeline, L.P. 8" Moore to Jal #1 Site
SE/4 NW/4 Section 16, Township 17 south, Range 37 East
Lea County, New Mexico
Plains Reference #2002-10270
NMOCD File Number 1R-0380

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed the above report submitted, on behalf of Plains Pipeline, L.P. (Plains) by Talon/LPE. This report is hereby accepted and approved with the following understandings and conditions:

- 1. Plains will vertically extend monitor well MW-1A to a level above the top of the excavation, and re-survey the top of casing. Backfilling activities <u>may not commence</u> until the NMOCD has received analyses results on the soil in the treatment cells that is to be used as backfill material.
- 2. Upon NMOCD approval, backfilling may commence. Backfilling activities will be as described in the "Recommendations" section of the above report.
- 3. Plains will continue to gauge the monitor wells bi-weekly to record water and PSH levels and recover PSH from the groundwater-monitoring network.
- 4. Plains will install eight additional groundwater recovery/monitoring wells at the site to further delineate the lateral extent of the free phase and dissolved phase groundwater impacts. Such monitor wells will be installed as shown in Figure 6 of the above report.
- 5. Plains will install a continuous recovery unit, utilizing a pneumatic pump, devoted to each well containing recoverable PSH.
- 6. Plains will submit a 2006 Annual Monitoring Report for this site, which describes the activities at the site, by April 1, 2007.

NMOCD approval of this report does not relieve Plains of liability should its operations at this site prove to have been harmful to public health or the environment. Nor does it relieve Plains of its responsibility to comply with the rules and regulations of any other governmental agency.

Plains 8" Moore to Jal #1 1R-0380 April 11, 2006 Page 2 of 2

If you have any questions, contact me at (505) 476-3492 or ed.martin@state.nm.us

NEW MEXICO OIL CONSERVATION DIVISION

Edwin E. Martin

Environmental Bureau

Copy: NMOCD, Hobbs

Jason M. Graham, Talon/LPE



March 29, 2006

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

Re:

Plains All American - Annual Monitoring Reports

2 Sites in Lea County, New Mexico

Dear Mr. Martin:

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:

8" Moore to Jal #1
8" Moore to Jal #2

Section 16, Township 17 South, Range 37 East, Lea County Section 16, Township 17 South, Range 37 East, Lea County

TalonLPE 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 TalonLPE 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 (505) 441-0965.

Sincerely,

Camille Reynolds

Remediation Coordinator

Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

ameli Keynolds

Enclosures



March 22, 2006

Mr. Edwin E. Martin New Mexico Oil Conservation Division Environmental Bureau 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Annual Groundwater Monitoring Report

Plains Pipeline, L.P.

8" Moore to Jal #1 (Rcf #2002-10270)

SE/4 NW/4 of Section 16, Township 17 South, Range 37 East

Lea County, New Mexico NMOCD Ref. 1R-0380

Mr. Martin:

The 8" Moore to Jal #1 release site is located approximately 9.1 miles southeast of Lovington in Lea County, New Mexico. The release occurred on property owned by the State of New Mexico and is utilized as pasture land. The site is located in a rural area within the West Lovington Oil Field, with no residences or surface water within a 1,000-foot radius of the facility.

In October 2002, a release of approximately two hundred (200) barrels of crude oil occurred at the site due to corrosion (internal and/or external) of the pipeline. Approximately eight thousand (8,000) square feet (ft²) of surface area was impacted by the release. Surficial soil saturated by the release was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm for treatment.

The details of the annual groundwater monitoring, phase separated hydrocarbon recovery activities, analytical results, and remediation work plan are described in the attached 2005 Annual Groundwater Monitoring Report. If you have any questions feel free to contact me at (505) 441-4835 or by E-mail at igraham@talonlpe.com. Thank you very much.

AMARILLO 921 North Bivins Amarillo, Texas 79107 Phone 806-467-0607 Fax 806-467-0622

AUSTIN 3003 Tom Gary Cove Building C-100 Round Rock, Texas 78664 Phone 512-989-3428 Fax 512-989-3487

MIDLAND #9 East Industrial Loop Midland, Texas 7970I Phone 432-522-2133 Fax 432-522-2180

NEW BRAUNFELS 707 N. Walnut Ave. Suite 208 New Braunfels,Texas 78130 Phone 210-579-0235 Fax 210-568-2191

> TULSA 1439 East 41st Street Tulsa, OK 74105 Phone 918-742-0871 Fax 918-742-0876

Jason M. Graham Project Manager

Cc: Camille Reynolds, Plains All American Pipeline, L.P. Jeff Dann, Plains All American Pipeline, L.P.

Toll Free: 866-742-0742 www.talonlpe.com



8" Moore to Jal #1 Annual Groundwater Monitoring Report

Plains Ref: 2002-10272

SE1/4 of the NW1/4 of Section 16, Township 17 South, Range 37 East

Lea County, New Mexico

~9.1 Miles Southeast (136°) of Lovington, Lea County, New Mexico

Latitude: N32° 50' 13.8" Longitude: W103° 15' 25.3"

March 2006

AMARILLO 92I North Bivins Amarillo, Texas 79107 Phone 806-467-0607 Fax 806-467-0622

AUSTIN 3003 Tom Gary Cove Building C-100 Round Rock, Texas 78664 Phone 512-989-3428 Fax 512-989-3487

> MIDLAND #9 East Industrial Loop Midland, Texas 7970I Phone 432-522-2133 Fax 432-522-2180

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> TULSA 1439 East 41st Street Tulsa, OK 74105 Phone 918-742-0871 Fax 918-742-0876

Prepared For:



333 Clay Street, Suite 600 Houston, TX 77002

Prepared By: TalonLPE 318 East Taylor Street Hobbs, New Mexico 88240

Toll Free: 866-742-0742 www.talonipe.com



Distribution List

Name	Title	Company or Agency	Mailing Address	e-mail
Ed Martin	Environmental Engineer	NMOCD	1220 South St. Francis Drive Santa Fe, NM 87505	emartin@state.nm.us
Larry Johnson	Environmental Engineer	NMOCD	1625 French Dr. Hobbs, NM 88231	lwjohnson@state.nm.us
Camille Reynolds	Remediation Coordinator	Plains All American Pipeline	3112 West U.S. Hwy 82 Lovington, NM 88260	cjreynolds@paalp.com
Jeff Dann	Senior Environmental Specialist	Plains All American Pipeline	P. O. Box 4648 Houston, TX 77210-4648	jpdann@paalp.com
Daniel Bryant	Environmental Specialist	Plains All American Pipeline	P. O. Box 3119 Midland, TX 79702-3119	dmbryant@paalp.com
File		Talon/LPE	318 East Taylor Street Hobbs, New Mexico 88240	lsanchez@llano-permian.com

NMOCD - New Mexico Oil Conservation Division



ANNUAL GROUNDWATER MONITORING REPORT

Introduction

The 8" Moore to Jal #1 release site is located approximately 9.1 miles southeast of Lovington in Lea County, New Mexico, at an elevation of approximately 3,770 feet above mean sea level (reference Figures 1 and 2). The release occurred on property owned by the State of New Mexico and is utilized as pasture land. The site is located in a rural area within the West Lovington oil field, with no residences or surface water within a 1,000-foot radius of the facility.

In October 2002, a release of approximately 200 barrels of crude oil, of which there was no recovery, occurred at the site due to corrosion (internal and/or external) of the pipeline. Approximately 8,000 square feet (ft²) of surface area was impacted by the release. Surficial soil saturated by the release was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm for treatment.

In an effort to delineate the extent of impacted soil at the site, six (6) soil borings were advanced, by Environmental Plus, Inc. (EPI), at the site to depths ranging from 15 to 60 feet below ground surface (bgs) in October 2002 (Figure 2). Field analyses of soil samples collected at discreet intervals indicated organic vapor concentrations exceeded 100 parts per million (ppm) at least to a depth of 55 feet bgs in soil boring BH-1.

Excavation activities commenced at the site by EPI in June 2003 in order to remove soil impacted above the New Mexico Oil Conservation Division (NMOCD) remedial thresholds. Approximately 2,800 cubic yards of soil were excavated and run through a screener to separate the rock from the soil. After the soil and rock had been separated, the soil (approximately 950 cubic yards) was spread out into two land treatment areas (*Figure 7*) and the rock was stockpiled on site. Upon the completion of excavation activities, composite samples were collected from the north sidewall, south sidewall, east sidewall, west sidewall and bottom of the excavation to document the successful removal of soil impacted above NMOCD remedial thresholds (Figure 2). Laboratory analysis of the samples indicated soil impacted above the NMOCD remedial thresholds remained in all sampling locals, with the exception of the west sidewall.

Groundwater Monitoring Well Installation

One groundwater monitoring well, MW-1 was installed at the site in July 2004. This well was installed at the request of the NMOCD in order to determine if groundwater had been impacted by the release. This groundwater monitoring well was installed adjacent to the pipeline near the point of release (reference *Figure 3*) to a depth of 80 feet below ground surface (bgs) and screened from 60 to 80 feet bgs (reference *Appendix B*).

Due to the screened interval of groundwater monitoring well MW-1 being set to low (i.e., water level above the top of the screen), a second groundwater monitoring well (MW-1A) was installed at the site in September 2004. This groundwater monitoring well was installed adjacent to the pipeline near the point of release (reference *Figure 3*) to a depth of 75 feet bgs and screened from



55 to 75 feet bgs (reference *Appendix B*). Upon approval of the soil closure plan, MW-1 will be plugged and abandoned according to the guidelines described by Mr. Edwin Martin in his April 14, 2005 letter concerning the recommendation in the 2004 Annual Monitoring Report.

Due to the presence of phase separated hydrocarbons (PSH) in MW-1, three additional groundwater monitoring wells (MW-2, MW-3 and MW-4) were installed at the site in October 2004. These wells were installed to delineate the lateral extent of PSH and/or dissolved phase impacts to the groundwater. Groundwater monitoring well MW-2 was installed approximately 95 feet north of groundwater monitoring well MW-1 (reference Figure 3) to a depth of 83 feet bgs and screened from 63 to 83 feet bgs (reference Appendix B). Groundwater monitoring well MW-1 (reference Figure 3) to a depth 83 feet bgs and screened from 63 to 83 feet bgs (reference Appendix B). Groundwater monitoring well MW-4 was installed approximately 104 feet south of groundwater monitoring well MW-1 (reference Figure 3) to a depth of 83 feet bgs and screened from 63 to 83 feet bgs (reference Appendix B).

Field and laboratory analytical results from this additional investigation are included in *Table 3* and *Appendix A*

Groundwater Gradient and PSH Thickness

The monitoring wells were gauged to determine the depth to groundwater, and the thickness of any PSH. Groundwater gradient appears to be in a southerly direction as indicated in Figures 4a - 4d. Except for minor fluctuations, groundwater levels and gradient have remained relatively constant shown in Figures 4a - 4d. PSH levels in the groundwater monitoring well MW-1 have remained consistent, but limited during 2005. This is attributed to the fact that the screen was set to low and the water table interface was located above the top of the screen; thus, allowing limited PSH to enter the well. PSH levels in the groundwater monitoring well MW-1A have remained steady through all four quarters at around the eight to ten foot thickness as indicated in Figures 4e - 4i. PSH levels in the groundwater monitoring well MW-2 have also remained steady through all four quarters with a thickness of seven to eight feet reference Figures 4e - 4i. PSH levels in the groundwater monitoring well MW-3 have also remained steady through all four quarters with a thickness of nine to ten feet indicated in Figures 4e - 4i. PSH levels in the groundwater monitoring well MW-4 have also remained steady through all four quarters with a thickness of eight to nine feet indicated in Figures 4e - 4i. The PSH plume has remained stable throughout the four quarters of 2005 a summary of groundwater elevations and PSH plume and thickness is included in (Tables 1 and 2 and illustrated in Figures 5a - 5d).

PSH Recovery

Recovery of the PSH in the vicinity of groundwater monitoring well network was accomplished via hand bailing by EPI, during the first four months of 2005. TalonLPE took over the project in May 2005 and with the use of a portable submersible pump recovery was enhanced. The first quarter of 2005 had total recovery of 112.00 gallons of PSH shown in *Tables 1 and 2*. It is suggested that this amount was low due to hand bailing. The second quarter of 2005 saw an increase after April, due to enhanced recovery techniques. The total amount of PSH removed in



the second quarter was 456.75 gallons shown in Tables 1 and 2. The third quarter had the largest recovery period for all of 2005, with a total PSH recovery of 899.50 gallons shown Tables 1 and 2. The last quarter of 2005 had a total recovery of 852.50 gallons of PSH shown in Table 1 and 2. A total of 2320.75 gallons of PSH were recovered during Fiscal Year 2005 shown in Table 1 and 2. Recovered PSH was placed into Plains Lovington Station sump, For INJECTION INTO THE PLAINS PIPELIE SYSTEM. It Per phone consersation with Camille Reyol

Groundwater Sampling

Due to the presence of PSH on the water column in each of the groundwater monitoring wells,

no samples were collected for laboratory analyses.

Recommendations

Prior to the initiation of the restoration activities, MW-1 will be plugged and abandoned according to the guidelines described by Mr. Edwin Martin in his April 14, 2005 letter concerning the recommendation in the 2004 Annual Monitoring Report. MW-1A will be vertically extended to a level above the top of the excavation, and the top of casing will be resurveyed. With the monitoring well extended to a level accessible after the backfill activities, the bottom of the excavation will be filled with an even six inch (6") layer of sand. A twenty millimeter (20 mill) black-on-black rock grade polyethylene liner will then be placed on the sand covering the base of the excavation. A small hole will be cut through the liner to encompass MW-1A which will be left in the excavation. Clay packing material will be utilized to seal the opening in the liner around the monitor well casing. An additional six inch (6") layer of sand will be placed on top of the liner.

With the poly liner in place, backfill of the excavated materials will begin. A layer of the rock material will first be carefully placed back in the excavation. Then a layer of the soils from the land treatment area will be placed on top of the first rock layer. The two layers will then be properly compacted. This alternating of layers and compacting activities will continue to the top of the excavation taking great care to insure the integrity of MW-1A, the pipeline, and the poly liner. Only soils, no rock, will be place in the proximity of either the pipeline or MW-1A. Clean backfill will be used during the backfill activities as needed.

Based on field monitoring and laboratory analytical results collected during 2005, the following activities are also recommended for the site:

- 1) Continue to gauge the monitor wells on a bi-weekly basis to record water and PSH levels and recover PSH from the existing groundwater monitoring network.
- 2) Install eight additional groundwater recovery and/or monitoring wells at the site to further delineate the lateral extent of the free phase and dissolved phase groundwater impacts (reference Figure 6).



3) Upon the installation of the proposed monitoring wells, emphasizing on the complete delineation of the site, evaluate the site-specific conditions and design and install a continuous recovery unit utilizing a pneumatic pump devoted to each PSH containing well.

Signatures

Written By:

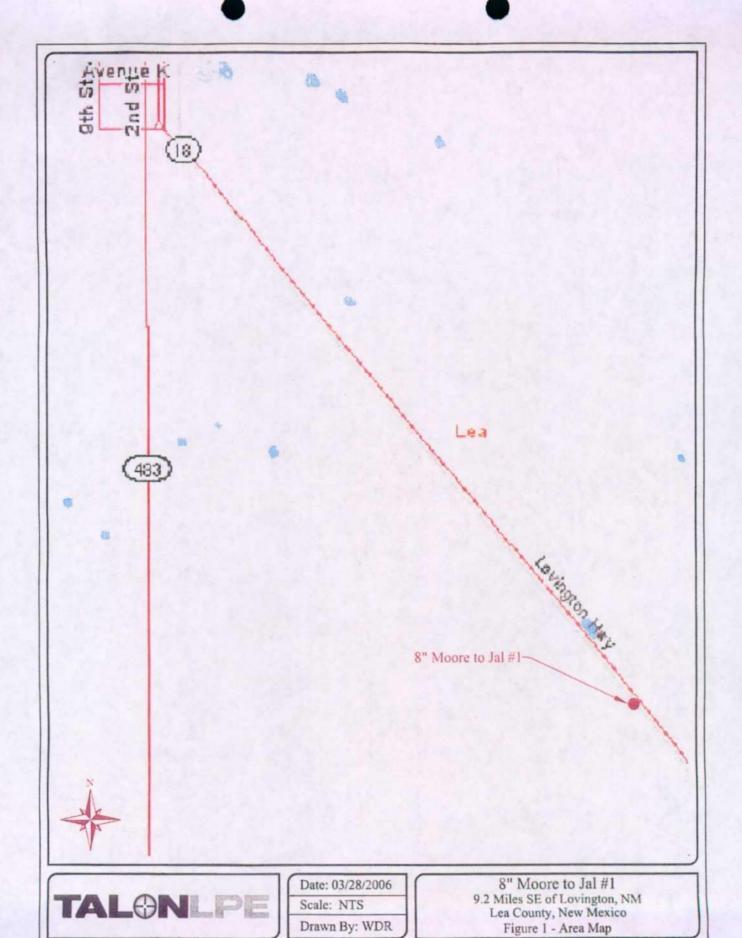
Jason M. Graham. B.S Project Manager Talon/LPE

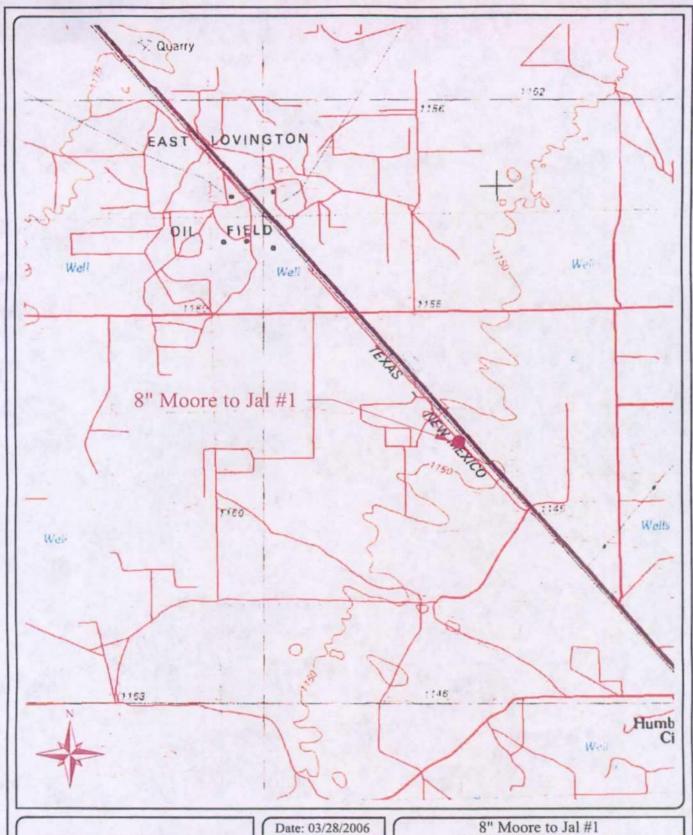
Reviewed By:

Terry James B.S., M.S. Senior Project Manager

Talon/LPE

FIGURES

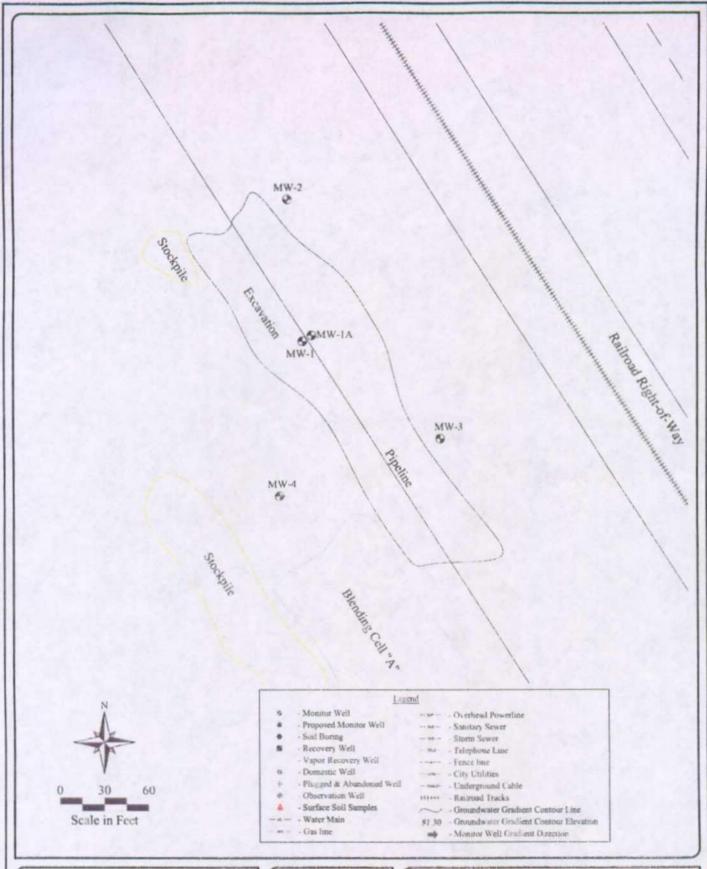




Scale: NTS

Drawn By: TJS

8" Moore to Jal #1
9.2 Miles SE of Lovington, NM
Lea County, New Mexico
Figure 2 - Site Location Map



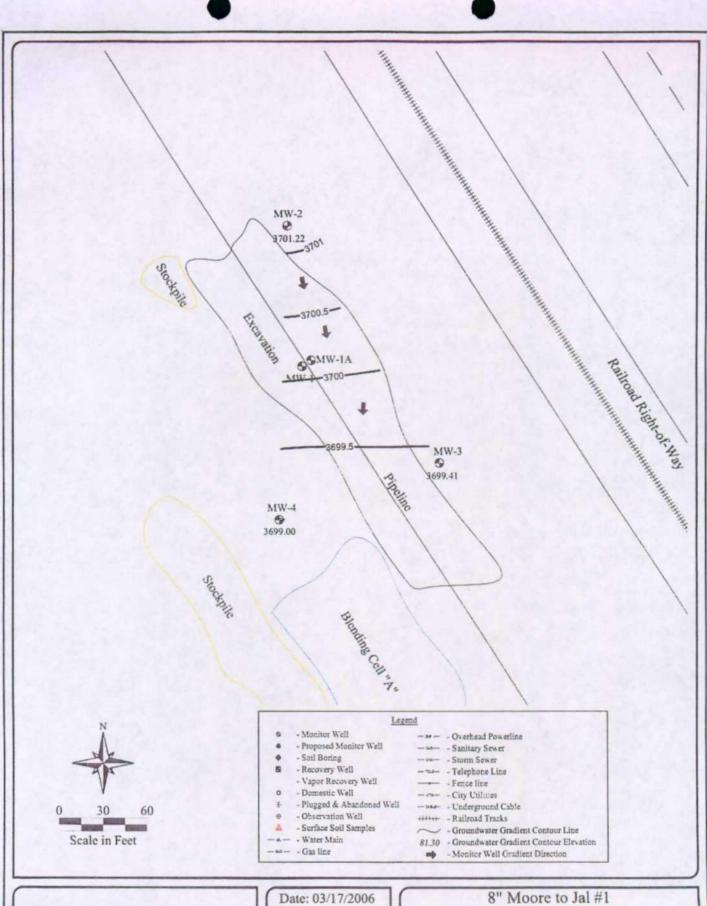


Date: 03/17/2006

Scale: 1" = 60'

Drawn By: WDR

8" Moore to Jal #1
9 2 Miles SE of Lovington, NM
Lea County, New Mexico
Figure 3, Site Plan



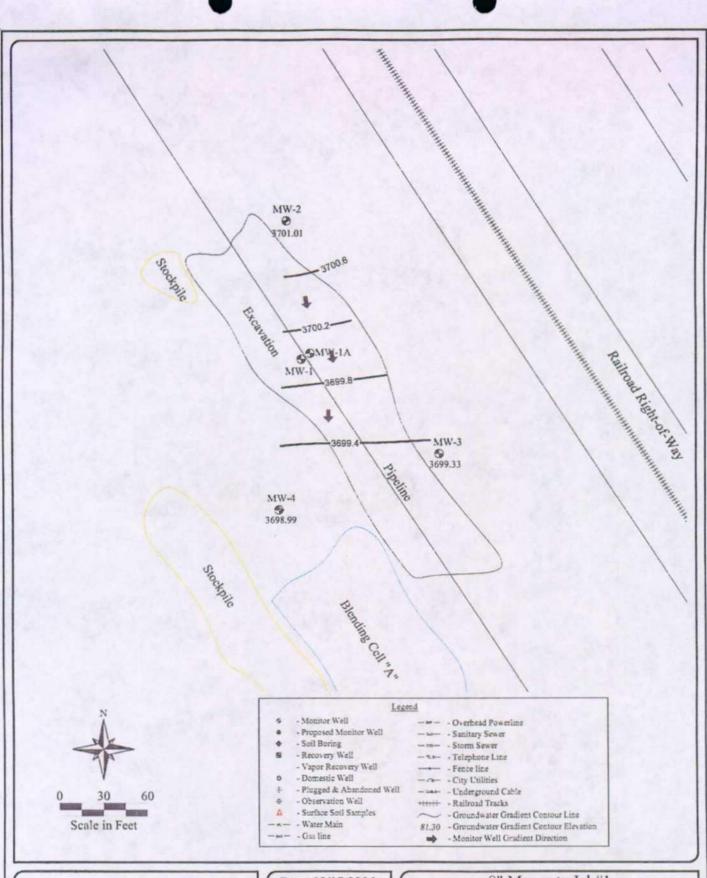


Scale: 1" = 60'

Drawn By: WDR

8" Moore to Jal #1 9.2 Miles SE of Lovington, NM Lea County, New Mexico

Figure 4a, Groundwater Gradient Map, (03/18/05)



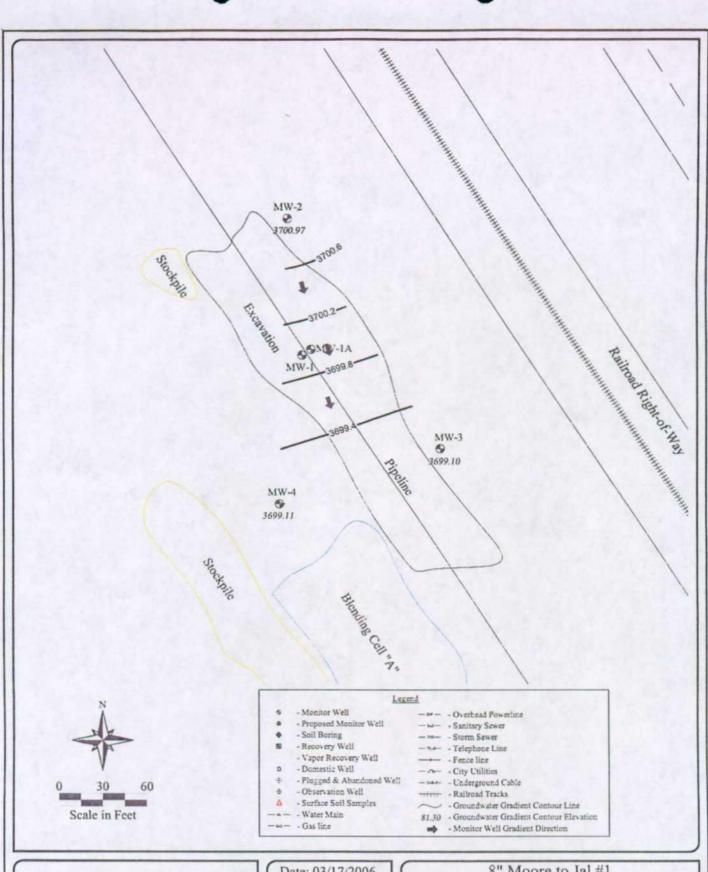
Date: 03/17/2006

Scale: 1" = 60'

Drawn By: WDR

8" Moore to Jal #1 9.2 Miles SE of Lovington, NM Lea County, New Mexico

Figure 4b, Groundwater Gradient Map, (06/13/05)





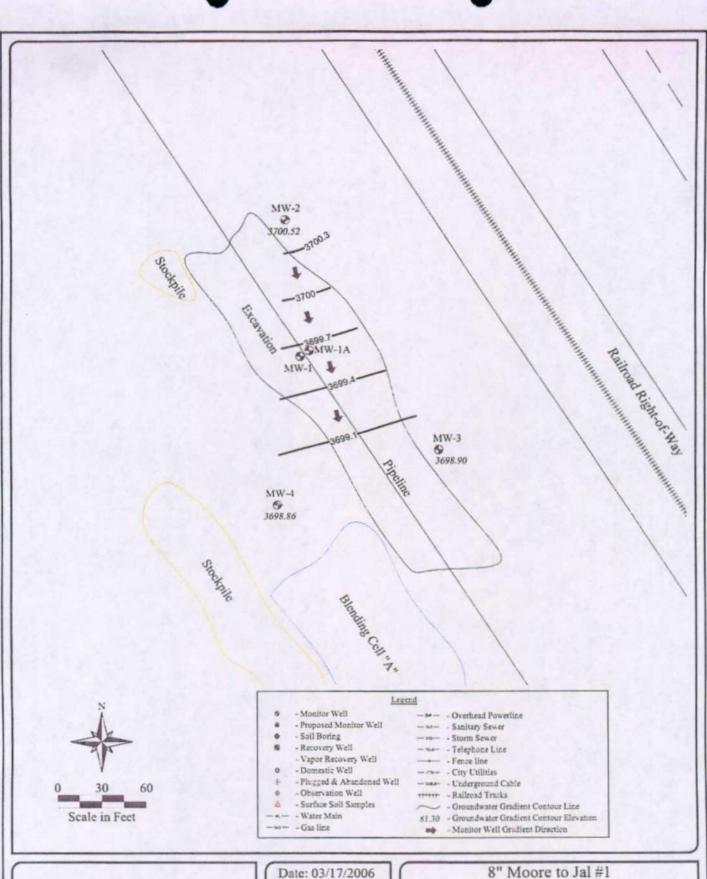
Date: 03/17/2006

Scale: 1" = 60'

Drawn By: WDR

8" Moore to Jal #1 9.2 Miles SE of Lovington, NM Lea County, New Mexico

Figure 4c, Groundwater Gradient Map, (09/29/05)





Scale: 1" = 60'

Drawn By: WDR

8" Moore to Jal #1 9.2 Miles SE of Lovington, NM Lea County, New Mexico

Figure 4d, Groundwater Gradient Map, (12/30/05)

Figure 4e, MW-1A 2005 PSH THICKNESS (ft)

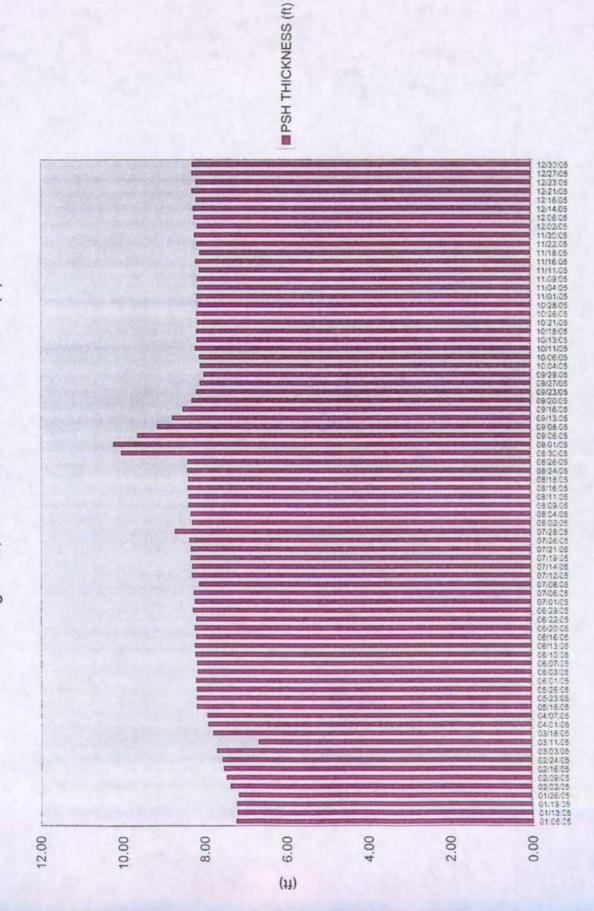


Figure 4f, MW-1 2005 PSH THICKNESS (ft)

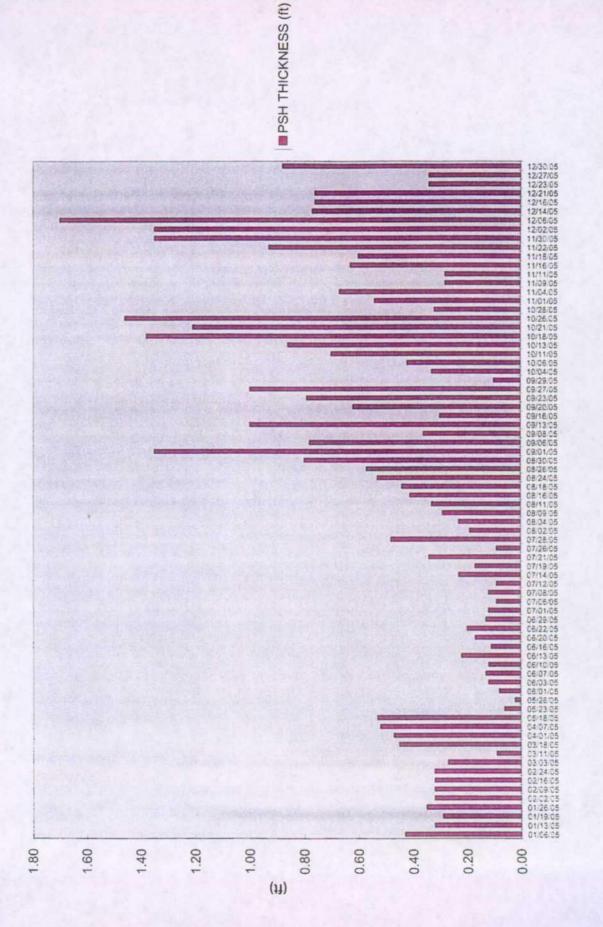


Figure 4g, MW-2 2005 PSH THICKNESS (ft)

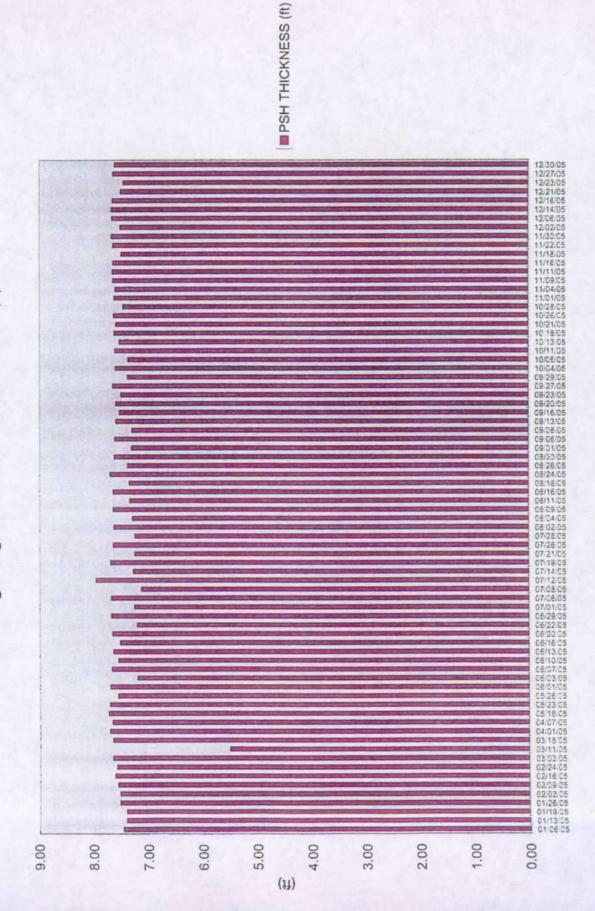


Figure 4h, MW-3 2005 PSH THICKNESS (ft)

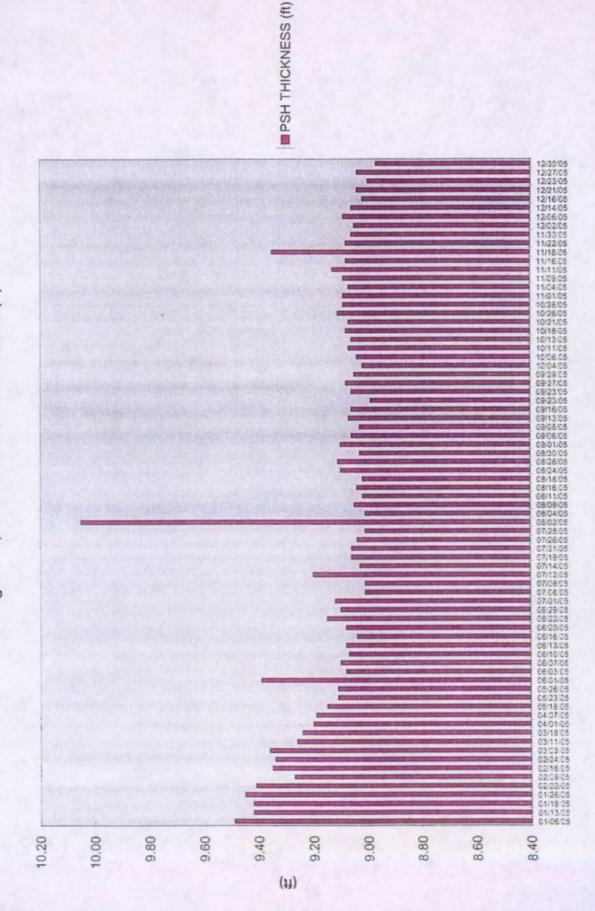
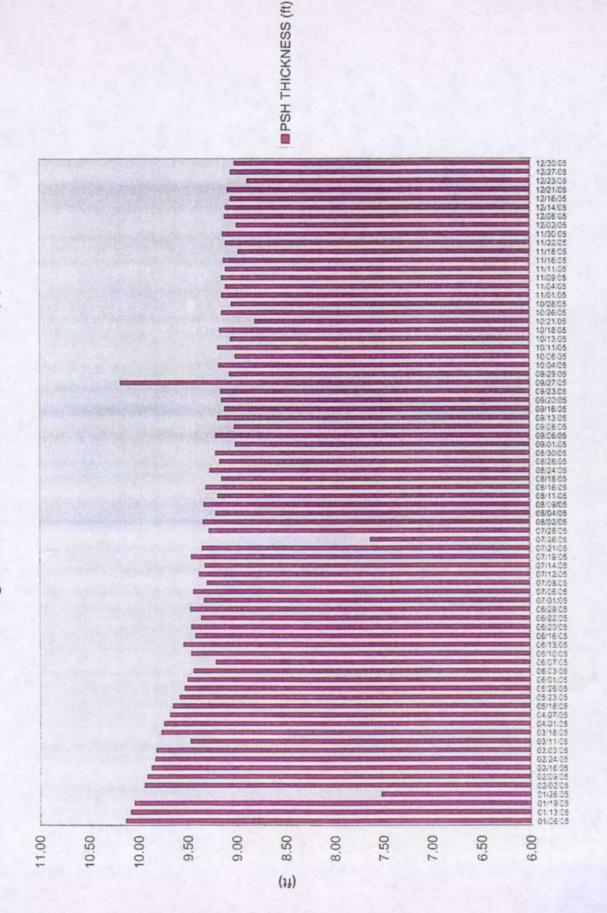
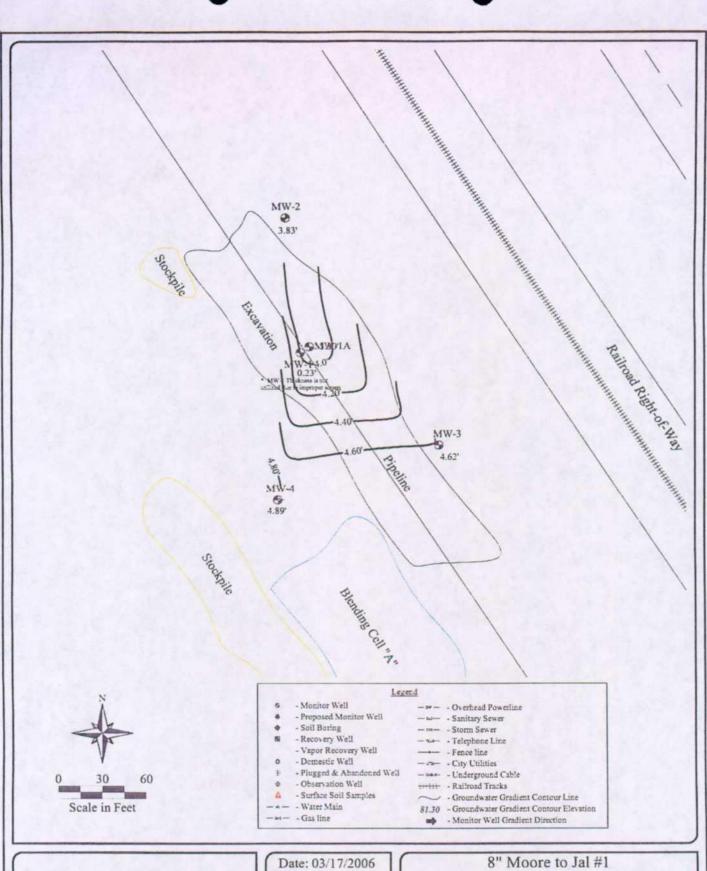


Figure 4i, MW-4 2005 PSH THICKNESS (ft)

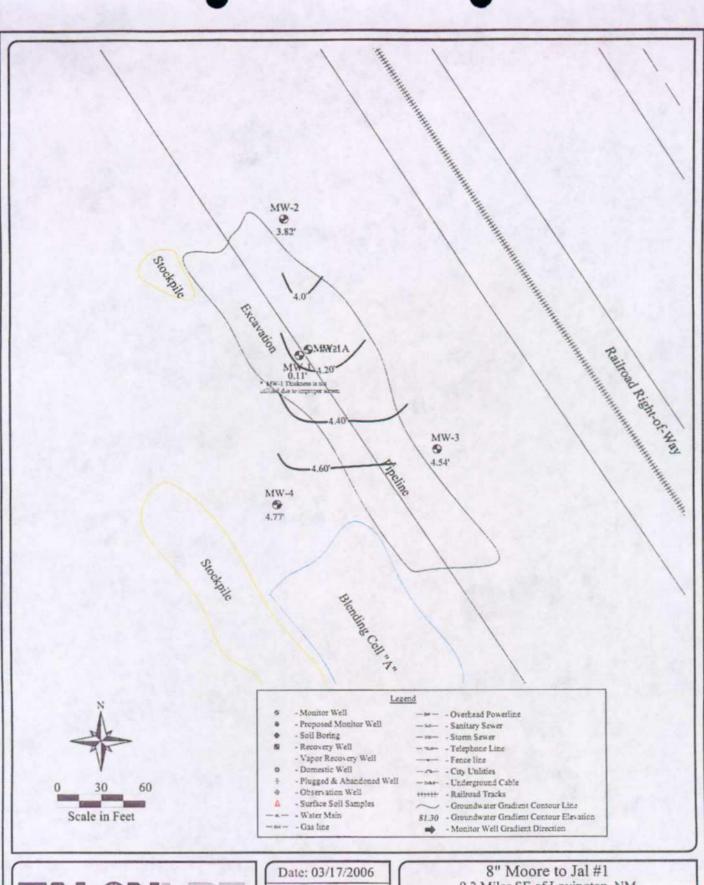




Scale: 1" = 60'

Drawn By: WDR

8" Moore to Jal #1
9.2 Miles SE of Lovington, NM
Lea County, New Mexico
Figure 5a, PSH Plume Map, (03/18/05)

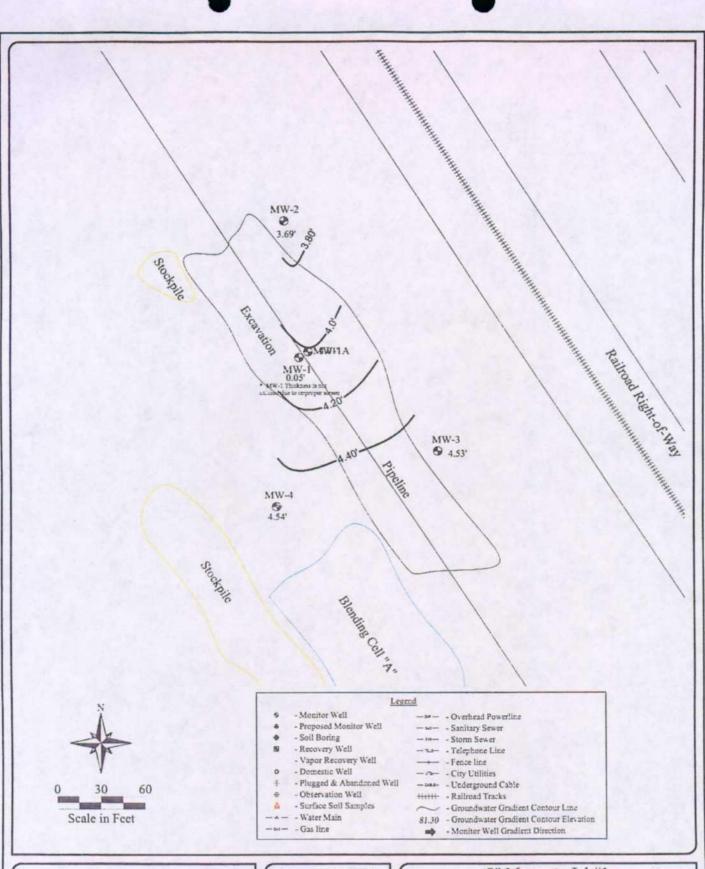


Scale: 1" = 60'

Drawn By: WDR

8" Moore to Jal #1
9.2 Miles SE of Lovington, NM
Lea County, New Mexico

Figure 5b, PSH Plume Map, (06/13/05)



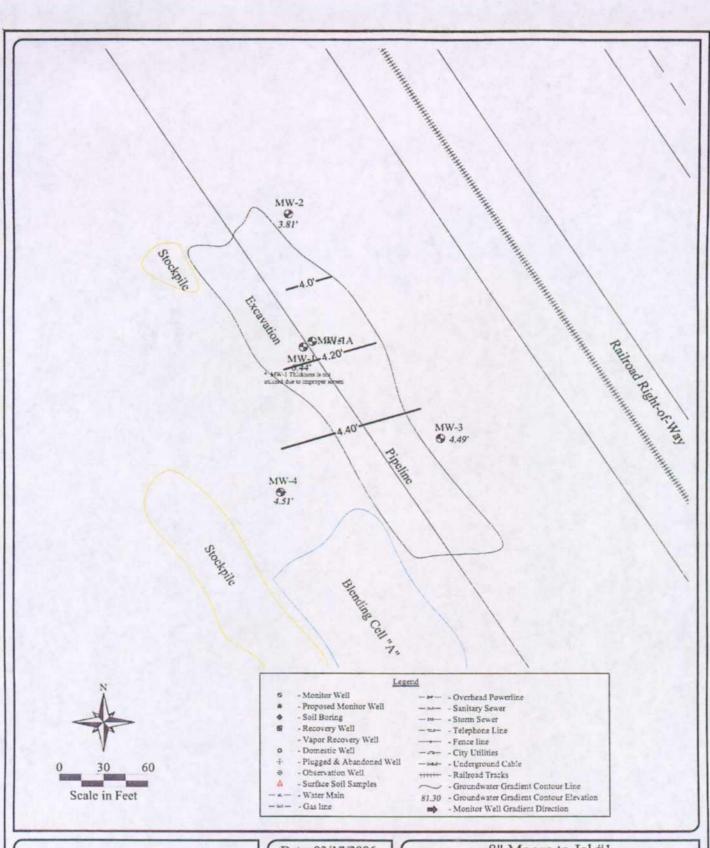


Date: 03/17/2006

Scale: 1" = 60'

Drawn By: WDR

8" Moore to Jal #1
9.2 Miles SE of Lovington, NM
Lea County, New Mexico
Figure 5c, PSH Plume Map, (09/29/05)



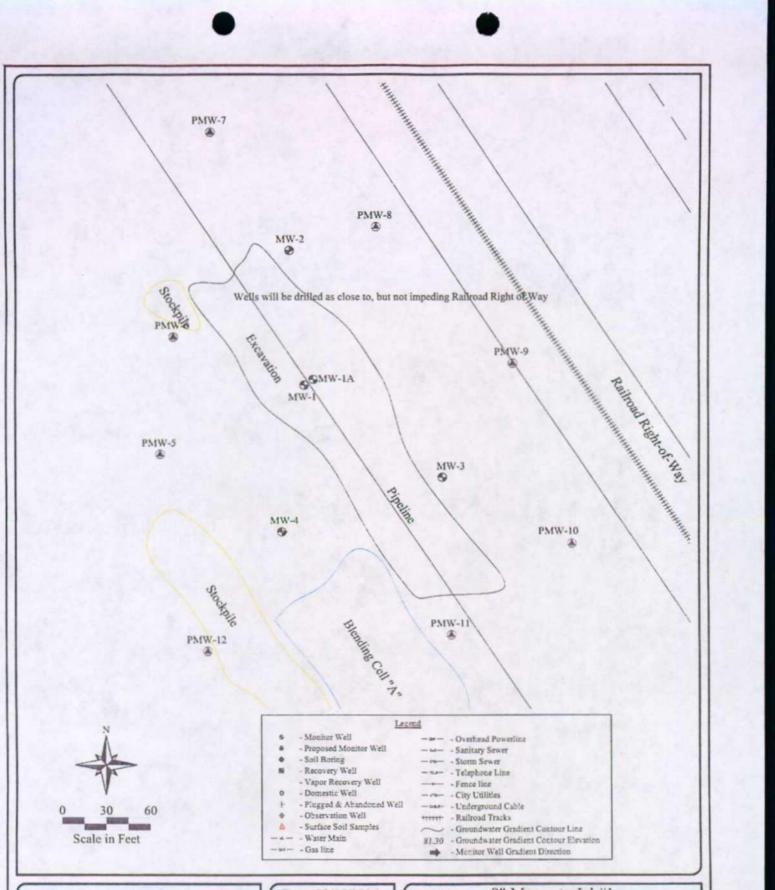


Date: 03/17/2006

Scale: 1" = 60'

Drawn By: WDR

8" Moore to Jal #1
9.2 Miles SE of Lovington, NM
Lea County, New Mexico
Figure 5d, PSH Plume Map, (12/30/05)

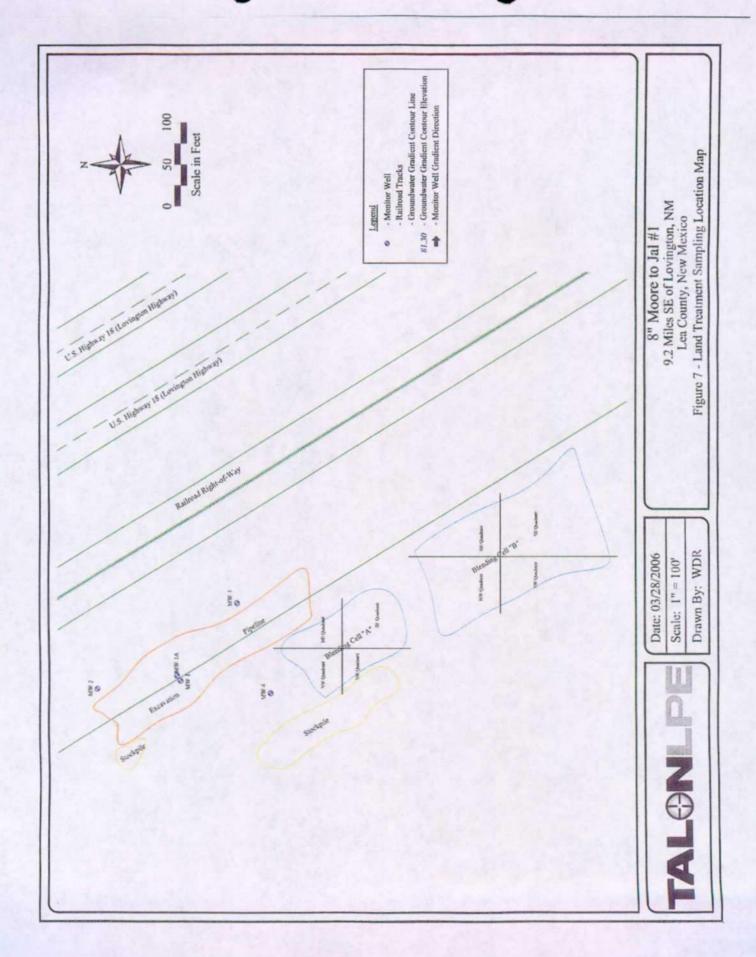


Date: 03/17/2006

Scale: 1" = 60'

Drawn By: WDR

8" Moore to Jal #1
9.2 Miles SE of Lovington, NM
Lea County, New Mexico
Figure 6, Proposed Monitor Well Map



TABLES

Table 1 Summary of Groundwater Elevations andPSH Thickness & Gauging Measurements

	_							1150	Water	Water		fota
		Relative Top of Casing	Depth to PSH Below Top of	Depth to Water Below Top of	Corrected Relative Top Groundwater	PSH	PSH Volumo Recevered	Cummulative Recovery	Valumo	Cummulative	Total	Cummulative Recovery
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	02/00/01	3705.34	56.05	64 11	3701 23	7.48	057	167.00	00'0	000	167.00	167.00
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	OGABAOLS	3765,34	26.84	10,59	3700,33	B 17	600	260.50	920	1.75	6.25	271.25
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	06/10/05	3765 34	58.85	65.07	3700,27	H.22	7 00	284.50	0.25	2.25	7.25	200.75
	06/13/05	3765.34	56.87	65.10	3700,24	8.23	9 00	293 50	0.25	2.50	9.25	296 00
	06/16/05	3765.34	98.88	90 99	3700,28	8.20	00 8	301.50	0.25	2.75	878	304.75
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	07/01/05	3765 34	693	(fs. 15	3700.19	77	100 1	01,450	0.75	3.75	875	337.75
	07/06/05	3765,34	56.91	65.17	3700.17	H.26	67	341./5	0.00	3.75	52.7	345.50
	07/08/015	3765 34	16.91	65.04	3710.30	B.13	006	320.75	800	3.75	000	35
	07/12/05	3765.34	29.3	65.25	3700.09	0. 1.30	8	35/75	CZ D	400	7.25	361.75
	07/14/05	3705.34	25.92	12.51	3/110.13		2/2	300 30	2711	27		3/0/5
	0//19/05	3705 34	56.6	97.50	37,000,00	1 33	000	300 4.0	0.75	4.00	223	20 / 10
	CALATO	3700 54	01:00:	0.5.0	COLOURS COLOURS		000	0.000	2,0	200		07.000
	CANALO	20 CD VG	200	(4. 3)	2710 014	62.0		102 4.0	7.5	16.3	76. 9	20.7 16
	Organia	24.6.74	00.77	64.27	70 m/v.		00 0	400 40	0.24	21.3	2,5	00 000
	Hadra Wit.	PG. 237.	80/5	2.50	3700.01	2	009	406 50	0.25	5 75	2,29	16 24
	CHAINSO!	3765 34	9/00	65.33	3000.00	8.8	9	417.50	5.20	909	625	418 50
	08/11/05	3765.34	66'96	65.37	76 1160%	£ 33	9 00	41H 50	2.0	6.75	6.75	424 15
	08/14/05	3765.34	2075	69-42	3600 02	8 40	00 /	425,531	0.25	6.50	7.3%	437.00
	08/11905	3765.34	1079	65.40	56:00m;	8.39	00 9	431541	0.55	6.75	6.25	438.75
	08f24At5	3765 34	57.03	65.44	36901.90	841	009	437.50	0.25	7.00	6.25	444 50
	CBCAROS	3765.34	1079	65.44	346119.90	0.40	00 9	-443 513	0.25	1.25	629	450.75
	OHZDVOS	3765.34	56.45	66.48	3698.86	10 03	9.00	452.50	0.25	057	9.25	460 00
	09/01/0/3	3/65.34	5979	Gii /4	3498.60	10.72	9.00	461.50	0.25	1.75	9.75	469.25
	0!#16/0!	3785.34	56.65	EE 519	3690.06	9.03	006	47050	0.75	SE .	925	478 50
	90000	34/05/34	54.73	65 83	3600.46	9.15	909	476.50	0.25	B.25	625	484.75
	AUD4.4/INE	*** ***										

1966 1879 <th< th=""><th>MW-1 (con'l)</th><th>07/14/05</th><th>376603</th><th>59 65</th><th>7,00</th><th>3/08.B1</th><th>3 =</th><th>200</th><th>94,63</th><th>3 8</th><th>4.76</th><th>200</th><th>200</th></th<>	MW-1 (con'l)	07/14/05	376603	59 65	7,00	3/08.B1	3 =	200	94,63	3 8	4.76	200	200
		U/I BAGS	5.VB1/5.	10.01	91 133	Cardinas.		0.00	19 81	III.	4.6	8	96 56
Ministry		CH1 2110	1/00 003	10 G	3710	S/UD/s	ψ; 3	000	94.61		4.73	800	99 SE
The color of the		0//20/03	3/06.03	W 68	58,13	3700.30	68 6	900	14,81	800	4.75	66 0	50.50
The color		0//28/05	3/06.03	11.64	29.65	3706,38	9,48	000	94,81	9.08	4.75	(B)	99.56
The color		50/2/00	3/14:03	100 000	50.23	.V/IIb.80	9	000	14,81	800	4.75	000	90.50
The column The		UIM)4R)5	3/1403	8000	5,9,78	3706.75	623	150	18,81	60	4.75	980	99 50
The column		(16/09/05	:1/14 03	50 GS	59.30	3706.70	0.79	000	94.81	100	4.75	00.0	99.56
The column		00/11/00	376603	50.04	78,03	3706.64	0.33	0.00	94.81	0.00	4.75	000	99.56
The control of the		100/11/001	376.603	59.05	19.46	3/06.57		om	94.81	#00	4.75	000	99.56
This could be compared by the color of the		000100	£0 49/1°	59.04	59.4B	3706.55	540	000	94.81	0.00	4.75	00.0	96.00
The state of the		08/24/05	E099/6	E0 64	99,69	3706 47	0.53	0.00	18.14!	00'0	4.75	00.0	96.60
The control of the		00726/05	3766 03	20.04	19.64	3706.42	75.0	000	94.8	0,00	4.75	0.00	90,56
The control of the		(30,000)	3746 03	58.91	59.71	3716.32	0.0	100	9481	000	4.75	000	99.56
The control of the		19/10/61	376603	28.82	21 00	3705.08		138	18,81	12.0	200	57.	1001
The color		13006051	1,086.0.3	59.65	59.63	37(85.40	B/ 13	=	. W. W.	17.1	5.24	55.	102 01
The color of the		V-OROBO	4768.03	60 05	80, 04	2708.64	5.0	100	0 10		1 2	200	00 004
Common		0001301	CO 3974	1,41.02	CO 07	1 may 1			10.00		0.0	0,00	100.00
The color of the		CONTRACT	2000	1000	4.0 17	TANG GE	42. 0	000	20.00		200	67.1	103.31
	-	Chal hay	Chicare	20.00	6.60	00.000	200	all n	1976	CM TO	2.30	(F)	103.31
The color		CHIDANO	376003	curs.	03.07	37(10.30)	200	an'n	97.81	00'0	5.50	980	103.31
The contract		CINCARD	3700 03	20.00	29.65	3706.7	67.0	0.00	97.81	000	5.50	OII.O	103.31
The colorest		0927/05	3769 03	28.08 80.08	59.9H	3/06 05	8	2	18 61	50.	0.50	2.60	105.31
Through		09/52/05	3/6643	51.15	59.25	3706 /H	0.10	9	99.81	1,25	7.75	2.26	107.56
WORDINGS TARRELL SATM NATION SATM NATION SATM NATION SATM NATION TARRELL SATM NATION SATM		10/04/05	3760 03	59.11	59.44	3706 54	0.73	0.00	99.81	00.0	1.75	00'0	107.58
TOTATION		10/00/05	3766 113	59.14	94 69	3706 47	0.47	000	99.81	00'0	1.15	OU'O	107.56
The billion		10/11/05	37/66 0.1	59.08	59.78	370625	0/'0	00'0	99.81	00'0	175	0.710	107.56
The part of the part		50/01/01	370,603	59.06	26.03	3706.11	98 0	0.00	19481	99'0	175	00'0	107.50
10070405 30070405		101 (80%)	Co 99/E	51.04	60.42	3705 01	85.	00'0	99.81	00'0	175	00.0	107.56
TOTATION		51V1 <i>21</i> Ot	3766 03	!v1.03	10.24	3701.79	121	00'0	9981	99'6	7.75	0110	107.55
1109/1815 314/1811		10/26/15	3760 03	5H,94	(30,40)	370% 63	1.46	1.00	100.81	0.75	8 00	1.25	108.81
1100/04/6		10/29/05	3768 03	59.18	69.50	3706 53	20.0	0.00	18.001	00.0	900	00,0	10B.B1
		11/01/01	31/66 113	53.16	DJ 65	3706 33	0.54	000	100 81	00.0	8 00	00'0	108.81
11/17/0015		11/04/05	3/66 03	59.14	19.81	370622	0.67	0.50	101.31	050	04,8	1.00	109.81
		11/09/05	3766 113	59.76	M 89	3706 49	97.0	0.00	101.31	00'0	8 50	0.00	18,801
11/1602		11/11/05	3700113	59.76	59 54	3706 49	920	00.0	101.31	000	8 50	0.00	10.01
THERE THE TH		11/16/05	1/46 0.1	59.21	50.84	3/06 19	0.63	0.00	101.31	000	0.50	00,0	109.01
11/20/2015 31/06 13 14 14 14 14 14 15 15 14 15 15		11/19/05	3766 03	59.76	50 00	3706 17	090	00'0	101.31	00.0	8.50	0.0	100.81
11/20075 11/20075		11122111	3766 03	50.17	0,0 10	3705 13	0.93	00'0	101.31	90'0	æ 50	00.0	109.81
17002015		11/39/05	376603	17.65	(5).46	370557	227	0110	101,31	860	9.50	98	Alia R
17/06/05 3/1/16 II 3 5/1/16 II 3		12/02/05	3766 03	56 11	60.46	3705.57	1.35	0.00	151.33	000	8.50	8	100 81
17/1402-1 17/1		12006015	3766 113	\$9.65	67.00	3705.28	1.70	1.00	102.31	0.25	87.8	1.25	11.06
1277,005 376,005 376,005 3765,00 0.76 0.00 102.71 0.00 0.75 0.00 0.00 0.75 0.00 0.00 0.00 0.75 0.00		12/14/05	3746 03	50.27	£0.03	3/0/:99	0.77	0.00	102.31	00.0	8.75	0.00	1
1772/1405 3764.015		\$0001/21	3766.03	59.28	140.04	3705 19	97.0	0.00	102 31	00.0	8 75	00.0	111.06
1/202/06 3/66/13 5/3 5/3 3/06/30 0.34 0.00 102.31 0.00 0.75 0.00 0.75 0.00 0.75 0.00 0.75 0.00 0.75 0.00 0.75 0.00 0.75 0.00 0.75 0.00 0.75 0.00 0.75 0.00 0.75 0.00 0.75 0.00 0.75 0.00 0.00 0.75 0.00 0.00 0.75 0.00		12/2/1/05	3/60.03	59.20	(40.04)	3/05 99	9/0	0.00	102.31	00'0	8.75	0.00	11.00
TYPEARS TYPE		12/23/05	3760113	59.1 9	59.53	3/06 50	034	0.00	102.31	00'0	0.75	000	111.06
17/20015 37/613 3413 3413 37/6172 0.044 0.00 102.31 0.00 9 /5 0.00 0.		12/27/05	376603	50.19	59.53	3706 50	033	00'1	162.31	000	8 75	0.00	111,06
CHADGE C		12/30/05	37c.6 tr3	50.03	10.01	3706 12	0.83	0.00	102 31	000	878	000	111,06
0.149045 0.1470 0.172 0.118 3701 7.1 4.6 1.00 67 00 0.00 0.00 67 00 0.00													
31/0.91 61 81 618.21 3701 10 7 40 7 10 7 40 61.00 61.00 7 40 31/0.91 61 85 61 85 3701 40 7 60 7 60 61.00 61.00 81.00 31/0.91 61 82 61 83 3701 40 7.55 7 60 100 00 0.00 110,00 31/0.91 61 82 61 84 3701 40 7.55 7 60 107 00 0.00 110,00 31/0.91 61 92 61 84 3701 37 7.56 8 60 10.00 0.00 115,00 31/0.91 62 01 60.56 3701 37 7.56 100 1.75 10 125,00 31/0.91 62 01 60.56 3701 37 7.56 610 1.00 0.00 115,00 31/0.91 62 01 60.56 3701 37 7.56 610 1.00 0.00 1.10,00 31/0.91 62 01 60.56 3701 37 7.56 610 1.00 0.00 1.10,00	MW-2	01/00/05	377091	6172	69,18	370173	7.46	7.00	67 00	0.00	000	00 /9	67.00
37/0.91 61 R5 60 75 3701 dd 7.40 7.00 81.00 0.00 81.00 37/0.91 61 R9 (81.41 3701.50 7.52 19.00 100.02 0.00 0.00 100.00 37/0.91 61 R9 (81.45 3701.43 7.56 4.00 10.00 0.00 107.00 107.00 37/0.91 61 90 69.57 3701.43 7.56 4.00 175.00 0.00 175.00 37/0.91 67.01 69.57 3701.32 7.58 8.00 0.00 0.00 175.00 37/0.91 67.01 69.59 3701.32 7.58 8.00 1.00 0.00 170.00 37/0.91 67.01 67.03 3701.32 7.58 8.00 1.00 0.00 170.00 37/0.91 67.01 67.03 7.00 0.00 0.00 170.00 37/0.91 67.01 7.65 8.00 1.00 0.00 170.00 37/0.91		401/13/05	37/091	6181	09.21	370170	7 40	7.00	/4.00	00'0	000	74 (10	74.00
37(0+1) 6149 6844 37(0150 122 19:00 100:00 0.00 0.00 160:00 37(0+1) 6193 6845 37(0143 1.56 1.00 115:00 115:00 37(0+1) 6194 6859 37(0132 1.56 100 125:00 115:00 37(0+1) 6196 6859 37(0132 1.58 100 120:00 120:00 37(0+1) 62:01 6859 37(0132 1.58 100 100 0.00 120:00 37(0+1) 62:01 6859 37(0132 1.58 100 100 0.00 130:00 37(0+1) 62:01 6859 37(0132 1.58 100 130:00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 130:00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 130:00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 130:00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 130:00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 130:00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 100 0.00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 100 0.00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 130:00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 100 0.00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 130:00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 100 0.00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 130:00 130:00 37(0+1) 62:01 63:00 37(0132 1.58 100 130:00 130:00 130:00 37(0+1) 63:00 63:00 63:00 63:00 63:00 37(0+1) 63:00 63:0		01/19/05	37/091	c1 85	69.25	3701 (6)	7.40	7.00	81.00	00'0	000	8100	91.00
31/0+1 61 93 40 45 374146 7.52 7.00 107 00 0.00 107,00 31/0+1 61 93 40 46 374143 7.56 400 175,00 60 175,00 31/0+1 61 96 69.59 374013 7.61 400 70 0.00 175,00 31/0+1 62 01 69.59 374012 7.56 410 130.00 0.00 127.00 31/0+1 62 01 69.59 374012 7.56 410 130.00 0.00 0.00 130.00 31/0+1 62 01 69.59 374012 7.56 90 130.00 0.00 130.00 31/0+1 62 01 69.59 374012 7.56 90 130.00 0.00 130.00 31/0+1 62 01 62 01 62 01 62 01 62 01 62 01 130.00 31/0+1 62 01 62 01 62 01 62 01 62 01 62 01 62 01 62 01		01926035	377011	61.89	(19,41	3/01.50	/152	19 00	100 00	0.00	000	100,00	100,00
37/041 61 95 49.48 37/01.34 7.65 60.0 115.0		02/02/05	3770.41	61 93	(19.45	3/0146	(1:2)	90 /	10/ 00 00/01	0.00	000	107.00	107.00
37(0+1) 6136 6957 37(0+3) 7.61 7.00 172.00 0.00 122.00 122.00 37(0+3) 62.01 6959 37(0+3) 7.58 880 130.00 100 0.00 130.00		30/60/20	3/7041	197	69.48	3/0143	92.	# 00	11, 00	6.03	000	115.00	115,00
3/7091 6200 (8)45 3/70120 7/45 9/10 1990 000 139,00 100 000 139,00 139,00 100 000 139,		02/16/05	11.07/E	96 19	75.00	3701.34	197	3/	122 00	E .	0.00	122.00	122.00
2777-25 (C. V.		COPULS	37.031	000	60.03	2701.37	50.	200	00.05		900	130.00	130.00
		SOVERACIO	1807/6	00/30	Cutil	3701.70	50.7	2 (2)	1.59.00	= = =	800	30.00	130.00

MW-1A (con't)	0.9720.00.	3705.34	1079	65.31	3709.03	9	007	499.50	250	000	7.75	95.805
	0147.705	3/10.54	10 /1	57.50	3700.11		00'4	000.000		976	C/a	2000
1.	USICADO)	3703.74	17.700	64, 10	3700.17		00'51	370.30		77.13	16, 25	1,45,25
1	CONC. MAIN	77. 107.F	30 /	2 2 2	3700.6	\$	00.00	200.00		To ch	76.0	55.4 4.0
1	IUMPINE	27.00.0	1,7 00	01,50	27,000.10		00 8	07 677		76. 65	36.2	1,697
1	TOTAL STORY	17. 3. A.F.	50.75	145 7.1	1,7110,01	100	(i) (ii)	05 155 151 151	150	2 2	25.8	57100
1	TOTAL STORY	V1. Y11/1.		BC 523	17110.00	1 2	100 /	500 EU	1	10.75	1 35.7	17.11.75
1	10/1900	11.577£		12, 69	TO OUT	B 19	10.01	0, 4/3	9	11.76	10, 01	1,4H 75
1	1000100	76. 9.70		(x, 1/1)	3700 04.	2 2	LIU D	C) Cay	;;. c	13.5	16.14	1,045,00
1.	CONT. CANA	71 Can.	2 2	77. 129	CO. OUT. C	2 2	00.4	0.000		1000	100	000.000
ŀ	EDITO DE	25 132	20.7	06.13	20000		111.6	07 007		42.25	100	26.00
!	10/2/03	90 0015	3/ 13	07:00	17/10/1/2	1	200	00.800			5	010.73
	11/01/03	1/15.91	11.	M. 50	3/18/00	2 3	9 (3)	00.00	9	6	2	0.0.00
	(1704/03)	3765.34	3/.1/	10.33	3/80 01	2	3.00	015.50	e e	17.73	9.75	628.25
_	1188805	3765.34	57.71	E2.3B	3699 36	B.17	H.DO	623.40	6;;0	13.00	8.25	636.50
	30/11/11	3765.34	51.24	15.38	3696 98	8.12	B.170	631.50	62.0	13.25	8.25	044.75
	11/16/05	376534	57.21	65.47	3699.82	8.71	7.00	638 50	0.25	13.50	7.75	652.00
<u> </u>	11/19/05	3765.34	67.75	65.38	31:00 98	811	00'H	046 5.0	0.75	13.75	B.25	660,75
<u>L</u>	11/22/08	3765.34	57.74	65.47	3000 92	B18	007	653 50	9%0	14.00	927	067.50
1_	11/39/05	3765.34	\$7.25	05.49	3696 86	= 24	007	04 099	52.0	14.25	1.25	074.75
<u>!</u>	12/12/03	3/65.34	5/78	65-45	3699 619	2 2	00'2	097.90	5.0	14.75	957	682.25
1	12/44/05	3,765 %	16.174	2, 59	29 (10g).	2.35	007	0,4,0	5	1,00		OF UNIT
1	17274.464	2000. 23	0. 7.7	1177	77 0834,	16.0	00/	27.4.1.0		20.25		71.000
1	17/14/00	10 1116	No. 7.5	1779	74:00.07	02.0	007	204 50	3 2	30.74	2007	1000.13
1	1210112	EC COLOR	10.10	10.00	CH. CO.		007	00 100		676	200	C) Oth
1	12/2/1/03:	3765.30	16.78	1969	Slean Ca	30.50	(00)	081.30		15.50	ŝ	00769
_1	12723/05	3764.34	57,33	65.53	3699 81	0% E	00.7	689.50	220	15.50	1.75	/04.00
	12277005	3765.34	57.33	6563	3699 71	F 30	00'/	688.50	625	15.75	7.25	704,25
	12/20/05	3705,34	57.34	65 63	3699,71	128	00.7	695.50	922	15.75	7.25	71125
	01/05/05	3766.03	58,79	54 F2	3707.31	0.43	0.13	84.58	0000	0.00	84,56	84 56
	01/13/05	3706.03	58.40	(A 72	3707.31	0.37	0 13	14.69	D00	0.00	84.59	84 69
	01/19/05	3706 03	58.62	2 3	3707.32	0.28	0 13	64.81	000	00'0	184.81	84.81
	0.125(05)	37145 03	58.48	59.83	3707.70	0.35	0.25	90'98	000	0.00	80.06	85.00
<u>!</u>	02/02/05	3766 03	58.49	1889	37.07.27	40.0	960	16,48	900	00'0	B5,31	85.31
L_	02/09/05	374.03	54F-481	08.85	3707.23	0.32	67.0	95,61	000	00'0	65.56	85.50
1	02/16/05	3714-03	\$8.58 \$4.58	5480	3707.17	0.32	620	H5,81	100	00:0	1979	85.81
1	02524005	3766.03	76.85	56 80	3/0/.14	0.37	0.75	90:98	000	0.00	96.06	86.08
1	030305	3768 03	58 62	28.63	3707.14	0.27	67.0	H6,31	000	900	15.92	B6 31
1	03/11/05	3/66.03	25,85	139 63	3707.40	0.09	000	16,31	980	000	E 9	H6.31
İ	03/10/05	3766 03	58.63	59,00	3/06.95	0.45	0.75	95,08	80	g	96.58	88 50
!	Odditabi	3766.03	58.60	700%	3706.96	0.47	0.25	H5.84	900	90.0	86.84	818 H 1
1_	04/07/05	3766.03	58.65	59.17	3/06,146	0.52	0.25	90'78	900	0.00	87.06	87.06
1	05/11/05	3766.03	58.77	5930	3706.73	0.53	1 50	88.54	o is	0.50	2,00	89.06
<u>!</u>	05/23/05	3766.03	513.33	1.4 94	3707,09	90 0	0.75	HB.81	0.75	0.75	0,50	89 56
<u></u>	05/20/05	3/64.03	58 85	10.11.5	3707.12	70.0	0.50	11: 68	0.75	00,1	0.75	90 31
1	06/01/05	(tu 197/1;	GB 195	58.97	3/0//06	0.018	0.50	18,81	62.0	13	0.75	91 06
	019/13/05	3746 03	1111 ES	58.98	3707.05	0.12	0.75	90.06	0.25	55	0.50	91.50
<u>L_</u>	00/07/05	376603	EE 815	59:03	3707.00	0.13	0.75	16.00	52.0	1.75	05.0	92.08
1_	00710005	3/14/03	543.940	20.02	3707.01	0.17	101	11.11	0.25	87	1.75	93.31
1	00/13/03	3766 03	140 941	51.12	3701.91	0.22	0;0	91.81	0.25	2.25	27.0	94 06
1_	00/16/05	3746.03	16116	20 hS	3707.01	11.11	0.50	92.31	52.0	2.50	0.75	9481
!	00/2/0095	3766 03	541145	51.12	3706.91	0,17	0.75	95.26	62.0	27.5	250	95.31
1_	0.6227.05	3746 03	58.94	50.14	3706.89	0.50	050	113.04	9:0	3.00	0 /5	90 96
1	00/29/05	3760.03	58.95	91118	3/06,1%	0.13	0.75	93,31	220	3.25	5	95 96
<u></u>	0//01/05	3766.03	76 98	50.03	3706.94	0.12	0.75	93.56	67.0	3,50	0.50	97.06
L	07/06/05	3766.03	58.99	80 GS	3/06.95	0.09	0.75	93.81	0.75	375	050	97.76
i	07#0#05	3766.03	58.90	59.02	3707.01	0.12	0;0	18,48	92.0	907	1	08.31
										77.1.		

1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	03/18/05	37/0.91	62.04	60.00	370127	3	8.00	DI 951	3	0.00	155 90	B) CC
MATCH INTERNAL CONTRICTION OF THE CONTRIBUTION	04/01/03	37.031	90.20	6/130	3701.12		BAR	103.10	100	Orth	3 3	00.50
Mined COND COND <t< td=""><td>04/04/03</td><td>377001</td><td>31 63</td><td>60.00</td><td>210102</td><td>100</td><td>0.0</td><td>171 170</td><td>5 5</td><td>9 0</td><td>00 8</td><td>00.071</td></t<>	04/04/03	377001	31 63	60.00	210102	100	0.0	171 170	5 5	9 0	00 8	00.071
Mineral Control Control <t< td=""><td>CONOTON CON</td><td>H. O. L.</td><td>06.10</td><td>dia ma</td><td>201016</td><td>2</td><td>47, 54</td><td>100 60</td><td></td><td>05.0</td><td>200</td><td>20.5</td></t<>	CONOTON CON	H. O. L.	06.10	dia ma	201016	2	47, 54	100 60		05.0	200	20.5
Yidoot CSTA R001 Yidoot TAB TAB <th< td=""><td>CDC ACT</td><td>15.07.15</td><td>10.03</td><td>C (2)</td><td>2701.0</td><td></td><td>07.05</td><td>00.00</td><td></td><td>20.00</td><td></td><td>20.100</td></th<>	CDC ACT	15.07.15	10.03	C (2)	2701.0		07.05	00.00		20.00		20.100
2/10/21 CV/SI FORT 2/10/21 CV/SI FORT FORT CV/SI FORT	CONC. MARCO	1000		0000	2701.11		017	300 4.0	3 6	12.0		36,000
21/10.21 CONTROL <	COMINA	1807/1	7.70	10.00	3701.00	200	1007	10 Jan 20		0.73	3	67.507
The control of the	CONCOUNT OF THE PROPERTY OF TH	16.0075	70.03	04.11	170107		5 8	07 5.66	15.0	3.	20,0	77.8 75
21/10.11 G7.31 BEAT 3101.01 7.16 4.00 20.00 1.52 6.70 6.90 21/10.11 G7.31 BEAT 3101.01 7.16 4.00 72.24 1.53 1.50 6.75 21/10.11 G7.31 BEAT 3101.02 7.76 6.00 7.24 0.75 0.75 21/10.12 G7.31 BEAT 3101.02 7.76 6.00 7.70 0.00 0.75	THE STATES	1770	16.09	50.01	01 10/1.	1.45	900	0, 61%		9		2000
The column The	101.010	100776	n. 69	Cit to	370101	7 130	900	240 40	5	200	5.5	242 50
The column Column	ACALCAD.	100776	116.69	04 60	11111/1	697	50/	0,176	5	2.10	9	200%
2/10-21 67/24 100/24 2/10-25 100/24 2/10-25 100/2	THE PROPERTY OF	17/001	60.20	50.12	90 00/7.	18/	600	04 246	, i	275	16.0	25.00.25
21/10 yr CE/21 68.06 31110 yr Trid CT/10 Trid	5000 FOO	14.0771	90.38	75.00	3/01.34	15.7	9	200.00	100	300		200
17(10-1) (67.15) (67	CHECKROK	17.00	86.28	90 (5)	37000%	7.68	00 /	207.00	95	9, 6	5.	270 50
3/10/21 62/31 60/32 3/10/31 1/10/31 1/10/31 67/31 60/32 1/10/31 67/32 6/10/32 1/10/31 6/10/32 4/20 6/25 3/10/21 67/31 10/24 10/24 3/10/21 10/25 4/20 6/25 3/10/21 67/32 10/24 10/24 10/24 10/24 4/20 6/25 3/10/21 67/32 10/24 10/24 10/24 10/24 4/20 6/25 3/10/21 67/32 10/24 <	0.781165	377091	65.15	1909	371130	18.7	6 00	2/3/00	10.75	3.75	6.75	27.07.5
9/1001 GEAT 1/1001 CREAT 1/1001 1/1001 GEAT	TOTAL DE	277041	3 6	60.00	7,0042	E .	00 1	283.00	1	4 00	34. 0	285.01
2/10/21 CG 31 (H) THE STRING 7/10 CG 31 (H) THE STRING 7/10 CG 31 (H) THE STRING CG 31 CG 32	40,000,00	100771	6 41	F) (I)	D. HUT.	, 13.	5	011/116		4.95	16.19	701.75
17(10-21) GC-341 GD-34 JUL-25 JUL-25 GD-35 GD-35	AQUESTION .	37/001	60 33	N. 02	3/10/6	1	80	293 00		9.9	97.9	53 7.6%
The control Color The co	- TOP 12/10	10,75	W CS	10,43	770177	, L	3	202.00	100	0.7	15	אמת גוו
MATHER OF THE STATES AND STATES	500070	10071	8 6	A007	3700.17	182	909	291.00	15.0	4/5		103 /4
1/10.31 663.30 710.02 710.02 710.03	503.070	377001	D 44	1000	22 1071	i i	4 10	201, 00	1,50		36.	200
1/10.21 07.40 07.41 0.04.0 0.07.0 0.	DITE TO	111111111111111111111111111111111111111	96.69	CWCD.	27,117,7	22/	100 17	ON PUR		2003	90.7	C ODC
37(0.91) 67(0.01) 77(0.01) 67(0.01) 77(0.01) 67(0.01) 77(0.01) 67(0.01) 77(0.01) 67(0.01) 77(0.01) 67(0.01) 77(0.01) 67(0.01) 77(0.01) 67(0.01) 77(0.01) 67(0.01) 77(0.01) 67(0.01) 77(0.01) 67(0.01) 77(0.01) 67(0.01) 77(0.01)	Office of the state of the stat	10071	06.30	77 00	111111		2005	301 00		00.7	2 15.7	200.000
3/10/91 GEAT GLOOD 3/10/100 1/10 600 3/10/91 6/25	TOTAL PARTY	10070	0, 10	1,007	1700 00	3 5	007	00,000		20.0	676	340 00
3/1/19 1 62.41 70.05 3/10.00 7.45 5.00 3/13.00 0.75 5.59 5.75 3/1/29 1 62.41 70.05 3/10.00 7.44 5.00 3/13.00 0.75 5.59 5.75 3/1/29 1 62.41 70.05 3/10.00 7.35 5.00 3/12.00 0.75 5.50 5.75 3/1/29 1 62.42 70.05 3/10.00 7.35 5.00 3/17.00 0.75 5.60 0.75 5.75	TOTAL DIO	160776	17 60	50'0)	37.00.00	90,	6 6	On'unc	0.70	0.70	27.0	212.5
The control of the	CONCACO CONCAC	311031	17 677	10.07	2705.13		00 9	20.710		0.70		07.710
1/10 1/10	CONCOMI	11:07/5	67.40	50.07	37.00.00	50.7	III o	313.00		0,00	Sal	3.
3/70 91 62 56 10 10 10 10 10 10 10 10 10 10 10 10 10 1	08/11/08	37.031	02.48	2000	3/010	1.34		00.215		9:	2	318.50
March Marc	ONTROCKS	377091	64-70 G-12-E0	70,05	3710.87	10.7	9 00	00.716		97.	22	0//2
1/10 0.5 1.0 0.5 1.0 0.5 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.5 0.0 0.0 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.5 0.0 0.0 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.5 0.0 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.5 0.0 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.5 0.0 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.5 0.0 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 0.0 1/10 0.5 0.5 0.0 0.0 1/10 0.5 0.5 0.0 0.0 1/10 0.5 0.5 0.0 0.0 1/10 0.5 0.5 0.0 0.0 1/10 0.5 0.5 0.0 0.0 1/10 0.5 0.5 1/10 0.5 0.5 1/10 0.5 0.5 1/10 0.5 0.5 1/10	CONDITION OF THE PROPERTY OF T	100116	05.30	1, 07	3701.00	2	000	200.00		0.73		0/1/2
1/10 0	CONVENII	16071	07.41	10,11	3/00.80	0,73	1110	3.3.18)	Cyn S	00.0	200	253 00
1/10 1/2	GOO-SIO	17.071.	0.00	09.02	20.11.00	100 m	000	329.181		00'0	2	20000
1/10 62 46 70 70 70 70 70 70 70 7	ONEMO	14.0715	67 dts	10,00	3710.13	707	200	ACTUR)		c S	S	335.25
1/10 1/10	COVIDED	16.0775	00.37	02:02	20,11,00		000	320,000				270.73
31/10 0.2 0.	COMME	160/15	62.64	70.00	SHOW.	10.7	300	00 100	0 0	0.0	0.00	0:0
37/091 62.54 7/000 37/0010 7.53 0 (10) 34/100 0.75 6.75 6.75 6.75 31/091 62.54 7/000 37/1000 7.53 0 (10) 34/100 0.75 7.00 7/26 6.75 7.75 6.75 7.	OSKAROS	37/091	16.73	03.61	3/01.10	7	8 8	3.5.111	2 2	0.10	2	E .
3/10 0.2 50	09/13/05	3//091	85.70 10.70	/0'0/	3700.84	R.	2	90.00	220	6.6	22	2000
31/10 91 0.2 34 710,03 3700,03 7.53 7.00 374,04 17.24 7.00 7.75 7.00 7.75 7.00 374,04 17.24 7.00 7.75 7.00 7.75 7.00 7.75 7.00 7.75 7.00 7.75 7.00 7.75 7.75 7.00 7.75	03/1/0/05	14:07/6	16 29	70,09	7/100 HZ	Se.		347.90		6,65	2	347.75
31/1091 62-50 70,53 3700,56 7.26 7.01 354,04 7.25	SONO-WIN	14091	00 20	70,07	2700.02		500	247.00		3 8	2	
3/7021 (7.56) (8.34) 3/7037 7.36 7.00 364 100 0.75 7.25 7.75 3/7024 (7.58) 7.012 3/7037 7.60 364 100 0.75 7.50 7.75 3/7024 (7.15) 3/700 3/700 3/31 100 0.75 7.75 7.75 3/7024 (7.15) 3/700 3/31 100 0.75 7.75 0.75 3/7024 (7.16) 3/700,7 7.40 6.00 3/31 10 0.75 7.75 0.75 3/7024 (7.16) 3/700,7 7.40 6.00 3/31 10 0.75 1.75 0.75 3/7024 (7.16) 3/700,7 7.40 6.00 3/31 10 0.75 8.20 1.75 3/7024 (7.17) 3/700,7 7.40 6.00 3/31 10 0.75 8.20 6.75 3/7024 (7.17) 3/700,7 7.63 6.00 3/31 10 0.75 8.25 8.25 3/7024	HINT SHOP	18.0771	05 69	70.15	3700.00	# Y	502	ON PAC	26.0	76.7	2 2	324 00
317051 67.59 70.17 3700.79 7.60 341.00 17.5 7.50 7.75 317051 67.61 40.02 341.00 17.5 7.50 7.75 317051 67.53 70.14 3700.15 7.37 7.00 17.5 7.75 6.75 317051 67.54 70.14 3700.15 7.84 6.00 387.00 17.5 6.25 317051 67.54 70.14 7.01 3700.14 7.84 6.00 387.00 17.5 6.25 317051 67.54 70.14 7.01 17.0 17.0 17.5 6.20 317051 67.54 70.14 4.00 387.00 0.75 8.00 7.2 6.20 317051 67.54 70.04 3700.14 7.4 6.00 387.00 0.75 8.25 6.20 317051 67.54 70.0 3700.17 7.0 6.00 387.00 0.75 8.1 6.25 317051<	1317704715	10077)	94 20	P4 09	37100 117	E /	200	354 110	×	12.		264 26
3/10/91 62/61 61/108 3/10/92 7/37 7/61 3/61 10/25 7/15 7/25	10(04)(0)	1601/E	62.52	/0,12	3/00,79	7.60	007	361,00	0.23	95.2	52	368 50
3/10.91 67.53 70.14 3700.11 7.61 6.00 367.00 7.75 6.25 3/10.91 67.54 70.00 3.00 17.7 7.75 6.25 3/10.91 67.54 70.00 3.00 17.5 6.00 3.01 17.5 6.20 3/10.91 67.54 70.00 3.00 17.5 6.00 3.00 17.5 6.20 3/10.91 67.54 70.00 3.00 1.00 9.20 8.20 6.20 3/10.91 67.54 70.00 3.00 1.00 9.20 8.20 6.20 3/10.91 67.54 70.00 3.00 1.20 8.20 8.20 8.20 3/10.91 67.54 70.00 3.00 1.00 9.20 8.20 8.20 8.20 3/10.91 67.54 70.00 3.00 1.00 9.20 8.00 9.20 8.20 9.20 3/10.91 67.54 7.00 3.00 3.00	10/10/05	3770 91	62.61	89,98	3700.93	78.7	007	361 (31)	0.75	057	125	368.50
3/1031 6/2.65 70.08 3/100.23 7.54 6.00 30/100 11/2 7/75 6.75 6.50 30/100 11/2 7/75 6.75 6.50 3/100.23 7/1031 6/2.64 6/2.64 7/10.20 3/100.23 7/10.20 3/100.24 7/20 8/20 8/25 6/20 3/100.23 8/20 8/25 8/20 8/25 8/20 3/100.23 8/20 3/100.23 8/20 3/20 8/20 8/25 8/20 3/20	11/11/05	3/1091	62.53	70.14	3700.77	7.61	6.00	367 110	52.0	7.75	6.75	374.75
3/7(8)	10/13/05	377091	62.55	70,08	3700.83	7.53	6.00	367 00	0.25	7.75	6.75	374.75
31/0.9 G7.54	10/118/02	37/031	62.50	70,18	3/00.73	7.02	6.00	373 010	0.50	8,25	6.50	381 25
3/70.91 67.54 70.20 3/70.94 74.0 6.00 301.00 0.75 8.25	1051105	37/0.91	62.18	70.17	3700.74	7 55	8	374 00	£ 5	8,00	1.25	392 (10
3/7031 G7.61 70.07 3/700.84 7 49 6.00 300.00 0.25 6.25 3/7031 G7.54 70.27 3/700.70 7 62 5.00 300.00 0.25 8.25 6.25 3/7031 G7.54 70.29 3/700.71 7 60 6.00 300.00 0.25 8.50 9.25 3/7031 G7.54 70.29 3/700.72 7 64 6.00 30.70 0.25 8.00 6.25 3/7031 G7.54 70.29 3/700.72 7 64 6.00 30.70 0.25 8.00 3/7031 G7.54 70.79 3/700.74 7 69 7.00 30.70 0.25 9.50 3/7031 G7.54 70.79 3/700.74 7 69 7.00 40.70 0.25 9.50 3/7031 G7.54 70.79 3/700.72 7 69 6.00 0.25 9.50 3/7031 G7.55 7.00 7.00 7.00 0.25 9.50 3/7031 G7.55 7.00 7.00 7.00 7.00 7.00 3/7031 G7.55 7.00 7.00 7.00 7.00 7.00 7.00 3/7031 G7.55 7.00 7.00 7.00 7.00 7.00 7.00 3/7031 G7.55 7.00 7.00 7.00 7.00 7.00 7.00 7.00 3/7031 G7.55 7.00 7	10/26/05	3770.91	67.57	70.20	3700.71	7.03	800	36100	:: 0	6.50	8.25	319 50
MATHON 107A4 7027 37001.70 7 G7 5.00 206 00 0.25 8.75 5.25	10/2/6/05	3770.91	62.61	70.07	3700.84	7 40	6.00	380 00	820	8.75	6.75	388.25
N/11/21 0,2,567 70,279 3700,71 7 60 9,00 301,00 0,25 9,50 9,25 3700,71 7 64 6,500 327,40 0,25 9,00 6,25 3700,71 6,25 3,00 3,00 6,25 3,00 6,25 3,00 3,00 6,25 3,00	11/01/05	37/0.91	(12,54)	70.21	3700.70	765	5,00	386 00	0.25	8.75	1.25	394 75
3/7111 572.54 70.78 3/70163 7.64 6.00 502 to 0.25 16.05 6.25 16.05 6.25 16.05 16.25 16.0	11/04/05	377091	0560	70.20	3700 71	/ 60	9:00	38:1019	0.25	8.50	9.25	397,50
3/11/21 22.54 70.29 3700.67 4.5 6.00 295.01 0.25 6.25 6.25 3/71/10 0.25 0.	1 1/09/05	3770.01	62.64	78.78	3700 63	7.62	90'9	392 00	0.25	13.00	6.25	401.00
3/710.1 92.63 /0.27 3700.64 / 64 / 100 391.00 0.25 9.26 / 7.25 3/70.11 (27.48 / 70.17 370.17 / 49 / 700 402.00 0.25 9.50 6.25 3/70.11 (27.48 / 70.19 370.02 / 70.19 370.02 / 70.19 370.02 / 70.19 370.02 / 70.19 370.02 / 70.19 370.02 / 70.10 402.00 0.25 9.50 6.25 3/70.10 402.00 0.25 9.50 6.25 3/70.10 402.00 0.25 9.50 6.25 3/70.10 402.00 0.25 9.50 6.25 3/70.10 402.00 0.25 9.50 6.25 3/70.10 402.00 0.25 9.50 6.25 3/70.10 402.00 0.25 9.50 6.25 3/70.10 402.00 0.25 9.50 6.25 3/70.10 402.00 0.25 9.50 9.50 9.50 9.50 9.50 9.50 9.50 9.5	11/11/05	3//11/11	62.64	70.79	3700 62	/ 63	6,00	395.00	0.25	6.75	6.75	403.75
3/70.01 G7.48 70.17 370.074 / 49 7.00 402.00 0.14 0.25 7.50 3/70.01 17.05 70.79 370.07 7.64 0.00 0.05 9.50 6.25	11/16/05	3770111	62.63	/0.27	3700 G4	3	90.7	39-1 00	0.75	9.25	7.75	408.25
3/11/11 1/2/2 1/2 1	11/18/05	3//0 193	897.23	71 07	3700 74	145	8	402 00	9;0	9.25	057	411.25
	11/22/05	3/70.91	62.63	00	3/00/67	PS: /	9 (3)	40; (10	0.75	SS ==	6.25	414.50

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12/06/05	12/14/05	12/16/05	17/2/105	12/23/05	12/2/105	1,4,10,05	01/00/05	01/13/05	01/19/05	01/2/6/01:	905060	02/09/05	02/16/05	02/24/05	03/03/05	03/11/05	03/18/05	04/01/05	BARLAND	TOUR TOUR	DAY SHAD	19/01/03	0903/05	0607/05	06/10/05	0N/13/05	CHAILD CONTRACT	CHIZZAG	06/29015	07491415	OTKRANS	0/кжи!;	07/12/05	500100	0/12/105	0712Wth	07129005	CHAUSAUS	CHAPARIS	Curcing	CONTRACT	ON/18/III	\$11/4-Z/HO	SUNCHO	CBF3UM:	OHITTUR	OUNTAILS	CHABIDS	09/13/05	OUTORS
37.7091	3//091	16.071	3//091	377041	37/11/11	37/011	37611 96	3769 ч	3/1/19	3/40 94	3/1/196	3749.96	374.9 96	376196	1769,96	3/169 96	3/150 06	96 6475	3709 96	07 100 T.	171.90	3/1/1/16	31/64 1/1	3769 96	3769 96	3769 96	3769 90	98 6978	3769 96	3764 96	34/04/48	3701111	3/6/19	3700100	3769.96	3749.96	3769.96	37(0),96	3769.96	0, 600	370000	3/10/4	37.096	3761196	3/14/196	96 6978	3/10/16	370.00	36,677	Gr. v.dr.C.
W 69	27.79	17.73	67 75	EF. 7.19	12.73 11.73	B/ /31	11:00	6104	6104	61.11	11.10	61.28	61.13	61.21	01.21	9.19	61.31	F. 13	61.33	1,170		6131	6151	61.55	01.54	01.55	5.5	81.6	01.50	61.62	61.65	5	61.65	01.65	61.68	69'10	61.70	60.70	61.72	27.10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	61.74	97'19	89,19	61.74	01.00	61.75	0/19	61.76	(3)(3)
70.36	70.39	70.38	70.75	70.23	0F 0/	QI: 02	01/0/	70.46	70.46	70 56	95 OZ	70%	70 54	70 55	70.71	70 45	70 55	70.58	70.34	0.17	77 (7	DG:0/	65.07	40.65	70.61	70.63	100/	707	69 0/	70 74	70.60	70 64	70 115	10 07	70.74	E/ D/	70.71	70 75	10.73	70.77	10 m	70 /6	98 07	70.70	70.17	70 76	70.81	0/0/	70 R3	/0 Ki
3700.55	3700.22	3700.1.3	370066	3700 68	370032	3/00 %	31.99 56	36.99 50	36.99.50	31/29.40	3639 38	3699.41	3699,42	3699.41	36413 39	3649 54	3699.41	30.000	3609.47	DC OUDL	GL BUDE	3699.06	31319.37	3609 31	36179 35	3009 33	DE PRINCE	366921	3699 27	3090 22	3699 30	3699 32	3699.11	36496	3699.22	3699.23	3699.26	3699.71	3699.23	7009, 19	12,000,47	3699.20	3699 10	34799.17	3619 19	3698 70	3699.16	3699.17	3699 13	AB33, 11
99 /	/8/	497	9;/	7.45	7. bd.7	197	9.49	9.42	9.42	9.45	941	927	9.35	0.34	9.36	9.76	9.74	07.0	2 2	2 5		9.30	9.01	9.10	9.07	80.6	000	51.6	9.10	9.12	9.01	901	8,6	35	986	9.04	10.0	10.05	206	60.6	200	206	910	911	606	9 10	906	6 6	200	3.00
800	7 (30	000	00.9	00.9	6.10	90.9	00'6	9,40	0,00	9,00	00'/	8.00	9.00	8.00	90.0	10.00	8.04	97.00	909	200	88	100	000	000	H (31)	S:	200	E H	00 01	10.00	10.110	B.00	00.0	0.0	900	9.00	10.00	9.00	00.6	00.6	20.0	000	9700	10.80	B.00	00'6	800	8 8	9.00	11/11/
417.00	419.00	423.00	425.00	429.00	431.00	435.00	101.00	110.00	119001	128 00	135 00	143 00	151 00	159 00	167 00	177110	185.00	193,00	00.00	CO OF OF	C. 10.00	235.50	243.50	251,50	259.10	269,00	007/76	284 50	304.10	314 50	324.50	372.50	341.50	0, 0,15	368.41	377.50	387 5.0	396 541	405 5:0	414 50	17.13.10	44150	450 50	460 541	468 50	IF; 1/\$	486.50	495 50	204.50	915 BJ
920	0.25	0.25	0.25	0,50	0.75	0.25	00'0	000	900	00'0	000	000	0.00	00.0	UB 0	- DB 6	(II)	UB C	on s		5 5	123	0.00	0.25	0.25	0.75	0.00	12.0	0,0	0;0	000	0.25	0.75		0.75	0.25	0.75	0.25	52				0.20	52.0	0.25	0.75	92.0	0.25	25	200
9.78	10.00	10.00	10.25	10.50	10.50	10.75	D.On	010	0.03	0.00	0.00	0.00	0.00	0.00	000	0,00	0,00	00.0	00'0	00'0	200	1.25	1.75	1.50	1.75	2.00	2,3	180	3.	4 011	4 (1)	4.2%	Ę.	2 7	525	5.50	5.75	000	6.26	26.50	6/9	18.	250	7/3	9.00	875	8. 25.	F.75	00.5	200
8.25	7.25	623	6.75	959	6.25	6.25	101.00	110 00	119 00	128 00	135.00	143 00	151 00	150 00	167 00	17.00	185 00	193.00	39.102	900	000	5.5	50	8.25	8.25	9.75	80 5	3,5	95.00	05.02	10.00	B.25	2	Sign	37.0	9.25	10.25	9.75	67.6		27.6		2 %		8.75	9.25	9.25	9.75	£ .	- 12.0
426 75	4290	433 (435.2	439.50	441.50	445.75	101.00	110.00	119.00	128.00	135,00	143.00	151.00	159.00	16/30	80.27	185.00	19300	20100	10 OF C	00 CL 2000	236 75	244.75	253.00	261.25	271.00	380.08	207.40	301100	318.50	05.800	336.75	346.00	100.73 104.53	3/3/1	00 CHE.	303.25	402,50	411.75	421.00	6.00	4.59.50	26.00 26.00	468.25	476.50	485.75	495.00	504.25	513 50	522.73

MW-3 (con't)	09923005	37/80/46	27.53	7088	3699.08	906	800	53150		9.75	25	550 50
	CHAZARA	30 1872	5 19	70.10	Or abin.	100	800	05.055	2.5	70.00	3 2	67, 648
	1600.00	3777	61.81	EH DZ	3690.13	2000	006	558 50	9	10.50	9.25	96960
	10/11/215	36 6 1/ 12	11.12	160/	30 60 98	90.0	000	267 50	0.75	10 75	92.6	578.25
	10719.005	Dir Dirizit	6.1.84	1001	Vill blish.	700	000	U5, 1974	9	11.05	9.5	587.75
	307.1/01	3/1.0 98	6184	70.00	30.6008	906	006	585.10	5	13.50	9.25	00 /65
	10/11/05	96 647/6	61.84	70107	3699.04	888	006	594.50	0.75	11/6	9.75	600 25
	10/21/05	371.996	3	70.55	36/19.01	70 G	006	UF; EU9	6239	12 00	9.75	615 50
	1197/4005	370.096	61.86	16:07	30.5H.95	=	00-6	612.50	3	5.2	05 6	62500
	10/29/05	376926	61.86	70.05	3699.01	8.09	00 6	62150	<u> </u>	12.75	9.25	634 25
	11/01/03.	376.0 915	61.80	70.18	SHIPS OF	605	00 6	630.50	97.0	13.00	0.25	643 58
	11,04,04	10.000	91.00	/8/0/	JUNE 660	700	0001	04000	g;	13 40	05 01	63.4 00
	1100001	10 10.17 F	61 13	7100	Po Hive	90.6	UI) ti	049 50	i i	13.75	37.0	26 509
	111104	3769.06	100	1017	To street	5	UU ti	05 H78	Š	14.00	3,7	07.7.10
	1012101	011 0 37 G	200	71.04	76mm e9	200	8 8	00.00		36.74	3,10	201 76
	Chia Hi	200 1.074	00.00	1017	2000 004	0.00	900	(A) (A)	200	14.50	36.0	001.00
	CONSTITUTE	1/63/1	90 10	10.17	Claracity for total	GP II	200	00.000		00.4	077	00.100
	11/2//05	370130	9.19	1.1.0	26. IN 100°C	3,00	D.III.	des to	Q.	20.01	11.00	00.00
	11/30/05	3/44 18	05.00	96 5	06 9890	30.5	in al	003.50		15.75	201	(10./5
	128/2/05	3769 (16)	62.00	C01/	36904 9 1	9.05	00 6	7040	S o	15.50	9.75	720.00
	12/06/05	3/10/11/16	61.97	/106	314/10	906	9.00	/13.50	£ o	16,7,5	1,25	729.26
_	127/405	376.9 96	62.02	7108	3699 88	906	9,00	722.50	0.25	10,00	92'8	738.50
	12/16/05	38 6978	62.03	7105	3696 91	9.02	00'6	05 167	0.25	16.25	57.6	147,75
	127,1/05	376.9 (16)	62 113	/01/	31.98 119	\$0'6i	11 00	742.50	010	16.75	1150	750,75
	12723015	3/63/16	90733	71.00	00 8646	886	00.0	751.50	6.0	17.00	979	768.50
	12/27/05	3/61,96	62.07	7111	3698 85	9 6	10 00	761.50	9.0	17.50	10 50	00'6//
	12/30/05	3769.96	65.09	7106	3698 90	8.97	10 00	771.50	ŝ	17.73	10.25	789.25
MW.A	40.000	Man	14 jul	07.17	PH HOUL	10 13	17.50	178 1.0	900	nu o	1/8 50	4.71.50
•	Ottobal	F1 0.716	17 50	07.67	90 80%,	1000	GO 65	101, 101	2	000	101.	53 100
	CONTRACT	20.20.0		20.00	00 0000	00.00	90 03	00 00 1	2 2	100	00 00	100,00
	OFFERING	2172.17	27 00	0,0,7	di man	1000	50,	THE WAY		0.10	200	00000
	Olizana	3177.14	0.4.00	7 67	2000	76.7	00.00	10 777	1	00.5	20 ///	00777
	920203	3117.10	0.1.B/	2:	30200.318	2	10 81	200.00	A S	3	2000	240.00
	02403005	3172,14	92 E9	1157	JUM BY		10.61	20.62	8	2	23.00	229,00
	02/16/05	317274	63.E6	(3.13	3699.01	/8/5	19 03	278.00	000	900	276 00	278.00
	02/24/05	3172.74	63.93	73.78	369H 98	9 fl3	19 00	296.00	000	000	296 00	29A.00
	9003005	3/17.14	63.92	1374	30.49 00	9.82	19 00	315 00	000	000	315.00	315.00
	03/11/05	3/72.14	63 79	73.78	3699 48	9.47	15.08	330 00	0.00	0.00	330 00	330.00
	03/16/05	3172,14	63.97	7374	3689 03	116	18 00	348.00	000	000	348.00	348.00
	0404005	317274	64.02	73.76	36/0.98	974	17.00	365 00	000	0.00	305 00	365.00
	04/07/05	3172.14	64.05	73.73	3699 111	9 09	18 00	303 00	000	000	303 00	383.00
	05/19/05	3172.74	64.11	73.76	3699.98	9 69	18 00	40108	100	1.00	10.00	402.00
	05/23/05	3172.14	64.18	/3 //6	30:00 :08	9.58	111 010	419 00	800	98	18.00	420.00
	0525/05	3172.74	22,50	73.73	360001	9.53	15.00	434 (10)	3	95	15.50	435.50
	0GA) 1/05	3172.14	57.50	73.70	30.09 04	9.50	13.00	447.00)	3	2.50	14,00	449.50
	00/03/05	3172.14	64.20	73.14	3699 10	9.44	10,00	457 00	3	350	11.00	460.50
	06/0//05	3172.14	64.72	73.43	3699.31	921	9,00	466 00	190	4 50	10.00	470.50
	06/10/05	3172.14	64.23	73.09	3649.05	9.46	9,00	475,00	0.75	4.75	9.25	479.75
	06/13/85	3172.14	64.21	73.75	3690 119	25.	9.50	484 50	0.23	5.00	9.75	489.50
	00/16/05	3/72.14	64.24	73 GB	3699.08	6 42	10.00	494 50	0.50	5.50	10.50	500,003
	002000	3172.14	64.76	13.72	360 02	9-46	10,00	504 50	0.25	5.75	10.25	510 25
	00623405	3/72.14	64.28	73.64	36/9:10	936	10.00	514 50	0.75	0.00	10.25	520.50
	1002900	3172.14	64.27	73.74	36/8/00	9.47	12.00	926 50	05.0	0.50	12.50	533.00
	07/01/05	3/12.14	td 29	73.62	3699.12	9.33	14 00	240 50	0.25	6.75	14.25	547.25
	07/00/105	3777 /4	64.30	73.74	3699 00	9.44	8.00	548 50	0.75	7 00	8,75	555.50
	OTMADS	3172 14	64.33	73.63	3690.11	9.30	9.50	60 BGS	0.25	7.25	9.75	565.25
	07/12/05	3/12/14	64.34	73.77	36/9 02	Ę	8	69/99	0.25	G. /	16.0	V'1 VI')
											0.7.0	2

MW-4 (con't)	50/01//0	3172.14	64 34 84 34	380	3698.94	9.46	10.00	586 00	0.25	н.00	10,25	594.00
<u>l</u>	901770	577715	3	73.63	10.099.01	9.35	10,00	596.00	0.25	8.25	10.25	604.75
	077.605	3/72/4	67.30	70.02	3702.72	7 83	11.00	017/09	2,5	8.5	11.25	615.50
	077211055	3772 74	64 41	73.69	3610 05	97.6	9 00	616,00	8% =	8.73	9.26	624.75
	OBNOZUM	3772 14	6.440	73.74	3699.00	9.34	10.01	625.00	100	90.6	10.05	6.35.0
	DR/04/05	3112 14	64.43	35	3899, 10	12.6	9.00	00.358	É	16.6	10.35	144
	08/09/05	317774	64.42	73.75	30908	9.33	10 00	645,00	9.75	05 8	10.25	CCA L
	08/11/85	317274	64.45	7364	3699 10	9.19	10 00	655.00	6.75	9.75	10.75	004 75
	08/16/05	3172.14	14.44	73.73	3698 49	9.31	11 (30	00949	Š	1000	11.04	0.76.0
	081/11/05	317274	64.47	73.62	3699 17	9.15	10.00	00 929	05.0	10.50	9.15	OHE CA
	OH12-4/05	3/12.14	11.10	12.57	00 6691	92/	10.00	00 989	á	10 71.	10.95	000 75
	00126015	317.74	64,48	73.65	3699.09	1.6	10.00	00 969	16.0	1100	10.01	707 00
	08/30/05	3112.14	64.46	73.07	3899.07	126	9.00	10,00	5	5 5	5	200
	00/11/00	3472.14	13 51	73.52	3649.22	106	10.00	715,00	15.0	200.5	3	
	09/06/05	3112.14	54.53	73.64	3699,10	12.1	12.00	197 din	5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	3 91
	CHARDS	3772.74	64.51	73.53	3609,21	20 6	17.00	130 00	5	00 6	1	200
	011/13/05	3/72.74	674 459	73.68	3409.06	a to	1700	15.1 00		75 15	2	Di Villa
	09/16/05	3/12/14	25	73.06	3,619.08	11.0	9011	W. Ou	2 5	27.25		100.1
!	014/20/05	311.14	64 10	/3.65	60 66m.	13.1	001.1	775.100	3 5	27.75	200	201
1	1972/305	21177 14	2, 12	13.73	CAL DUDE		200	1 O.M.		19 / 23	3	(8)
1_	(1927/04)	17 (11)	5 2	17.57	30,57,02	9,40	30.7	00.7H	0.50	15.25	12.50	802.2
1	TOTAL	2112	9		30000	= 1	00/1	799,610	2,00	17.25	14 00	816.2
1	CONSTRUCTION OF THE PROPERTY O	37777	35.	(3.63	3009.13	10,4	200	99,119	1.00	18.2%	13 00	829.25
1	(Cherati)	3/12/4	95 PS	13.54	3099 (N)	9.48	14 ()()	1721.00	0.50	18,75	05.41	843.75
	10/08/02	3/17/4	64.64	73.65	3096 03	9.01	12.00	007,00	0.75	19.50	12.75	850.60
_1	10/11/05	3/12/14	04.57	73.76	3698 JR	9.19	10 01	647.00	0.75	20.25	10.76	HG7.2
_1	10/13/05	3/17/14	64.58	7364	3699 10	90.6	14,00	961.00	67.0	20.50	14.75	EH &
	10/11/015	3112.14	64.61	13.78	3698 36	9.17	12.00	873.00	0.50	21.00	12.50	RIAOF
	10711/05	3172.14	64.63	73.44	3699 30	8.81	15.00	00.880	0,50	21.50	15.50	05 006
_1	เกรียสเร	3172.74	04.62	73.77	309897	9.15	11.00	00 668	P.O	22.00	5.	0.10
_1	(0/28/05	3172.14	64.67	73.67	3699.07	9.05	10,00	909 00	0;0	22.50	05 1))	31.61
_1	11/01/05	3/12.14	64.63	73.78	3648.96	9.15	11,00	970.00	05.0	33.00	13.55	001.70
_1	11/04/05	3112.14	54.61	73.75	3698.99	911	0.00	920.00	97.0	73.25	92.6	15.75
	17/0/1/05	3112.74	64.70	73.115	3698.89	9.15	12.00	941,00	05.0	23.75	9:22	11.4 75
	11/11/03	3172.14	64.72	73.H3	3098.91	9 11	12.00	953.00	9/0	05 1%	12.75	05 776
1	17100D	3/72.74	64 68	/3.81	3698.93	9 13	12.00	965.00	05.0	25.00	0:71	00066
1	11/18/03	3172.14	64 73	73.71	3699.03	# E	12.00	977,00	0.50	25.50	12.50	1002 50
	11/2/2015	3112.14	64 71	73.112	3698,92	911	17.00	989,00	05.0	00 92	07.71	00.2101
1	11/34/2023	3/12/14	5	73.85	769B.B9	9.14	11.00	100.00	0,50	05.9%	9, 11	02 9601
_1	12/07/2015	3/72.74	54 73	73.76	3638.98	006	12.00	1012.00	9;0	27 00	91.62	1020 00
_1	12/19505	3772.14	64 75	73.87	3698.87	9.12	12.00	1024 00		27.50	9.0	2 570
1	12/14/05	317774	64 77	/3.84	36:86	9.11	13 00	1637 00	9:5	28.08	55.72	1000
_]	12/16/05	3/12.14	64 110	73.86	3608.88	90.0	13.00	1050.00	<u>.</u>	28.24	3 5	12.0701
	12/21/05	3112.14	64.80	73.89	3696.85	9.09	1300	1063.00	5	30.00		0.00
	12/23/05	3112 14	64.83	13.12	3009.02	8.80	1300	1078 00	9	20.26		101
	12/27/03	3112 14	64.82	73.88	3698 80	9.00	12.00	1089 (10	2	20.76		CZ COLL



Talon/LPE

318 East Taylor Street, Hobbs, New Mexico 88240

Phone: 505/393-4261, FAX: 505/393-4658

Table 2

Plains All American Pipeline, L.P. 8" Moore to Jal #1 - 2002-10270

Quarterly Summary of Hydrocarbon Recovery

	Monthly Hydrocarbons	Monthly Water	Monthly Total
	Recovered	Recovered	Fluids Recovered
Date	(gallons)	(gallons)	(gallons)
January 2005	38.00	0.00	38.00
February 2005	37.00	0.00	37.00
March 2005	37.00	0.00	37.00
Quarterly Total	112.00	0.00	112.00
April 2005	8.00	0.00	8.00
May 2005	136.75	5.50	142.25
June 2005	312.00	14.75	326.75
Quarterly Total	456.75	20.25	477.00
Total Six Months	568.75	20.25	589.00
July 2005	291.50	10.00	301.50
August 2005	278.00	9.50	287.50
September 2005	330.00	16.50	346.50
Quarterly Total	899.50	36.00	935.50
October 2005	287.00	11.75	298.75
November 2005	280.50	11.25	291.75
December 2005	285.00	11.25	296.25
Quarterly Total	852.50	34.25	886.75
Total Six Months	1752.00	70.25	1822.25
Total FY 2005	2320.75	90.50	2411.25



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Table 3

SUMMARY OF ENVIRONMENTAL BORING RESULTS (SOIL)

Plains All American Pipeline, LP. - 8" Moore to Jal #1 - Ref #2002-10270

Sample ID	Sample Date	Soil Boring	PID Readings	Benzene (mg Kg)	Toluene (mg Kg)	Ethyl- benzene	m,p- Xylenes (mg Kg)	o-Xylene	Total BTEX	TPH (as gas)	TPH (as diesel)	Total TPH
SE8M102302BH1 (5-7)			695	29.7	168	88.6	151	59.2	497	6810	5950	12760
SESM102302BH1 (10-12)			505	35.9	256	142	227	89.1	750	11400	9960	21360
SE8M102302BH1 (15-17)			306	19.8	241	165	225	92.1	743	9000	9220	18220
THE RESIDENCE OF THE PARTY OF T					Name and Address of the Owner, where the Owner, which the	-		The second secon	_		The second second	
SE8M102302BH1 (20-22)			1.350	38.7	290	150	217	85.2	781	9450	8140	17590
SE8M102302BH1 (25-27)			1,223	94.6	500	251	359	142	1.347	14400	13400	27800
SE8M102302BH1 (30-32)	23-Oct-02	BH-I	682	114	342	174	285	109	1024	16600	10400	27000
SE8M102302BH1 (35-37)		- Santa	510	65.9	302	157	292	113	929.9	16800	17400	34200
SE8M102302BH1 (40-42)			1.583	32	153	86.5	164	68.7	504.2	8440	11500	19940
SE8M102302BH1 (45-47)			384	30.2	210	118	207	82.2	647.4	8900	8180	17080
SE8M102302BH1 (50-52)			589	159	572	255	429	169	1584	20800	12700	33500
SE8M102302BH1 (55-57)	7 V L		485	285	809	341	563	223	2221	40400	25200	65600
SE8M102302BH1 (60-62)			NA	449	1300	689	1180	496	4114	103000	79500	182500
SE8M102402BH2 (5-7)			1.6	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	<0.1	<5	<5	<10
SE8M102402BH2 (10-12)	24-Oct-02	BH-2	2.9	< 0.02	< 0.02	< 0.02	< 0.02	<0.02	< 0.1	<5	<5	<10
SESM102402BH2 (15-17)		Marienza	3.1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	<0.1	<5	<5	<10
SE8M102402BH3 (5-7)			1.6	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	<0.1	<5	<5	<10
SE8M102402BH3 (10-12)	24-Oct-02	BH-3	2.9	< 0.02	< 0.02	< 0.02	< 0.02	<0.02	<0.1	<5	<5	<10
SE8M102402BH3 (15-17)		MARKET !	1.3	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	<0.1	<5	<5	<10
SE8M102402BH4 (5-7)			46.4	191	628	300	374	151	1644	17100	10900	28000
SE8M102402BH4 (10-12)			225	175	494	270	395	160	1494	22800	11900	34700
The second secon												-
SESM102402BH4 (15-17)	24-Oct-02	BH-4	3.3	NS	NS	NS	NS	NS	NS	NS	NS	NS
SE8M102402BH4 (20-22)	-	10000	NA	76.2	296	135	262	100	869.2	14700	10400	25100
SE8M102402BH4 (25-27)			3.0	NS	NS	NS.	NS	NS	NS	NS	NS.	NS
SE8M102402BH4 (30-32)			NA	140	442	228	420	163	1393	20600	15800	36400
SE8M102402BH4 (35-37)	0 17		1.7	NS	NS	NS	NS	NS	NS	NS	NS	NS
SE8M102402BH4 (50-52)			NA.	118	291	93.6	157	55.5	715.1	9040	6700	15740
SE8M102502BH5 (5-7)			3.0	224	749	344	486	196	1999	29500	18000	47500
SE8M102502BH5 (10-12)			1.3	70.6	347	176	347	136	1076.6	15100	14900	30000
SE8M102502BH5 (15-17)	25-Oct-02	BH-5	0.0	< 0.02	< 0.02	<0.02	< 0.02	< 0.02	<0.1	<5	<5	<10
SE\$M102502BH5 (25-27)			NA	< 0.02	< 0.02	< 0.02	< 0.02	<0.02	< 0.1	<5	<5	<10
SE8M102502BH5 (35-37)			NA	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.1	<5	<5	<10
SE8M102502BH6 (5-7)			NA	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.1	<5	<5	<10
SE8M102502BH6 (10-12)	25-Oct-02	BH-6	NA	< 0.02	< 0.02	< 0.02	< 0.02	<0.02	< 0.1	< 4	<5	<10
SE8M102502BH6 (15-17)		7.15	NA	< 0.02	< 0.02	< 0.02	<0.02	< 0.02	<0.1	<5	<5	<10
2002-10270 (10-12)			2,982	NA	NA	NA	NA	NA	NA	NA	NA	NA
2002-10270 (15-17)			2,565	NA	NA	NA	NA	NA	NA	NA	NA	NA
2002-10270 (20-22)			1.574	Name and Address of the Owner, where	43.6	23.3		15.4			3,950	The second second
				14.6			34.3		131	4,210		8,160
2002-10270 (25-27)			1.558	NA	NA	NA	NA	NA NA	NA	NA	NA	NA
2002-10270 (30-32)			1.160	NA	NA	NA	NA	NA	NA	NA	NA	NA
2002-10270 (35-37)	201101		1.049	NA	NA	NA	NA	NA	NA	NA	NA	NA
2002-10270 (40-42)	26-Jul-04	MW-1	927	80.0	144	74.1	94.5	45.5	438	7.710	6.450	14,200
2002-10270 (45-47)			1.125	NA.	NA	NA	NA	NA	NA	NA	NA	NA
2002-10270 (50-52)			1,227	NA	NA	NA	NA	NA	NA	NA	NA	NA
2002-10270 (55-57)	1000		2,124	NA	NA	NA	NA	NA	NA	NA	NA NA	NA
2002-10270 (60-62)			210	NA	NA.	NA.	NA	NA	NA	NA	NA	NA
2002-10270 (65-67)			906	NA	NA	NA	NA	NA	NA	NA	NA	NA
2002-10270 (70-72)			1,543	11.6	25.1	13.9	20.0	9.56	80.2	2.280	2,870	5,150
MW-2 (20-25)			62.2	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.125	<10.0	<10.0	<10.0
MW-2 (25-30)			59.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2 (30-35)			68.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2 (35-40)			53.7	NA NA	NA NA	NA NA	NA NA	NA	NA NA	NA NA	NA NA	NA NA
MW-2 (40-45)	23-Oct-04	MW-2										
The state of the s	254021404	21.44-7	73.3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<0.125	<10.0	6.59*	<10.0
MW-2 (45-50)		100	224	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2 (50-55)			1,838	NA	NA	NA	NA	NA	NA	NA.	NA	NA
MW-2 (55-60)			875	139	434	158	308	105	1.140	8,550	9,390	17,900
MW-2 (60-65)			800	NA.	NA.	NA	NA	NA	NA	NA	NA	NA.

MW-3 (15-20)			12.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3 (20-25)			100	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.125	6.864	17.4	17.4
MW-3 (25-30)	24-Oct-04	MW-3	40.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3 (30-35)			75.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3 (35-40)			144	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3 (40-45)			216	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3 (45-50)		MW-3	350	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3 (50-55)	24-Oct-04	TO SERVICE OF THE PARTY OF THE	1.653	0.226	2.97	2.97	6.64	2.59	15.4	481	1.100	1,580
MW-3 (55-60)		con't	534	NA	NA	NA	NA	NA.	NA	NA	NA	NA.
MW-3 (60-65)			740	139	252	107	159	58	715	4,930	5,790	10,720
MW-4 (15-20)			.153	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.125	<10.0	7.84	<10.0
MW-4 (20-25)			18.3	NA	NA	NA	NA	NA	NA	NA	NA	NA.
MW-4 (25-30)			155	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4 (30-35)			120	NA	NA	NA	NA	NA-	NA	NA-	NA	NA
MW-4 (35-40)			67.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4 (40-45)	22-Oct-04	MW-4	254	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4 (45-50)			186	NA	NA	NA.	NA	NA	NA	NA	NA	NA
MW-4 (50-55)			249	NA.	NA	NA NA	NA	NA	NA	NA	NA	NA
MW-4 (55-60)			820	205	460	187	328	127	1,310	9.970	11,100	21,100
MW-4 (60-65)			596	NA	NA.	NA	NA	NA	NA	NA	NA	NA
MW-4 (65-70)			447	0.295	0.253	0.0567	0.115	0.0419	0.762	81.9	165	247
MOCD Remedial	Thresholds			10					50			100

Bolded values are in excess of the NMOCD Remediation Thresholds NA Not Analyzed NS No Sample Recovery

^{*} Detected, but below the Reporting Limit, therefore, result is an estimated concentration (CLP-J Flag).

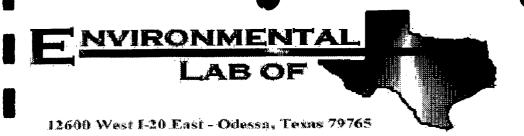
APPENDICES

APPENDIX A

SOIL LABORATORY ANALYTICAL RESULTS

AND

CHAIN-OF-CUSTODY FORMS



Analytical Report

Prepared for:

Jimmy Bryant
Plains All American EH & S
1301 S. County Road 1150
Midland, TX 79706-4476

Project: 8 inch Moore to Jal #1
Project Number: 2002-10270

Location: UL-F, Section 6 T17S, R37E

Lab Order Number: 4G29005

Report Date: 08/04/04

Project: 8 inch Moore to Jal #1

Project Number: 2002-10270 Project Manager: Jimmy Bryant Fax: (432) 687-4914

Reported: 08/04/04 12:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2002-10270 MW-1 (20')	4G29005-01	Soil	07/26/04 10:40	07/29/04 10:50
2002-10270 MW-1 (40')	4G29005-02	Soil	07/26/04 11:05	07/29/04 10:50
2002-10270 MW-1 (70')	4G29005-03	Soil	07/26/04 12:07	07/29/04 10:50

Project: 8 inch Moore to Jal #1

Project Number: 2002-10270 Project Manager: Jimmy Bryant Fax: (432) 687-4914

Reported: 08/04/04 12:22

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2002-10270 MW-1 (20') (4G29005-01) Soil		 							
Benzene	14.6	0.0250	mg/kg dry	25	EH40207	07/30/04	07/30/04	EPA 8021B	
Toluene	43.6	0.0250	H	"	"	"	"	"	
Ethylbenzene	23.3	0.0250	н	"	11	n	"	"	
Xylene (p/m)	34.3	0.0250	"	**	"	11	"	"	
Xylene (o)	15.4	0.0250	**	"	"	"	"	H	
Surrogate: a,a,a-Trifluorotoluene		2160 %	80-1	20	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		83.1 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	4210	10.0	mg/kg dry	1	EG42903	07/29/04	08/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	3950	10.0	"	"	•	n	"	n	
Total Hydrocarbon C6-C35	8160	10.0	n	"	"	"	"	,,	
Surrogate: I-Chlorooctane		156 %	70-1	30	"	n	rr .	"	S-04
Surrogate: 1-Chlorooctadecane		121 %	70-1	30	"	"	"	"	
2002-10270 MW-1 (40') (4G29005-02) Soil									
Benzene	80.0	0.100	mg/kg dry	100	EH40207	07/30/04	07/30/04	EPA 8021B	
Toluene	144	0.100	n	"	n	"	11	n	
Ethylbenzene	74.1	0.100	"	"	11	,,	"	"	
Xylene (p/m)	94.5	0.100	н	"	n	n	11	11	
Xylene (o)	45.5	0.100	"	"	"	p	"	11	
Surrogate: a,a,a-Trifluorotoluene		1660 %	80-1	20	"	u	"	"	S-04
Surrogate: 4-Bromofluorobenzene		135 %	80-1	20	"	"	"	"	S-04
Gasoline Range Organics C6-C12	7710	50.0	mg/kg dry	5	EG42903	07/29/04	08/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	6450	50.0	n	#	"	n	**	"	
Total Hydrocarbon C6-C35	14200	50.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	"	,,	12	"	. "	
Surrogate: 1-Chlorooctane		34.0 %	70-1	30	"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		27.2 %	70-1	30	"	"	"	"	S-06
2002-10270 MW-1 (70') (4G29005-03) Soil									
Benzene	11.6	0.0250	mg/kg dry	25	EH40207	07/30/04	07/30/04	EPA 8021B	
Toluene	25.1	0.0250	"	n	"	11	n	"	
Ethylbenzene	13.9	0.0250	"	n	n	11	n	"	
Xylene (p/m)	20.0	0.0250	**	n	n	n	"	"	
Xylene (o)	9.56	0.0250	"	"	"	H	"	"	
Surrogate: a,a,a-Trifluorotoluene		1010 %	80-1	20	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		140 %	80-1	20	"	"	"	"	S-04
Gasoline Range Organics C6-C12	2280	10.0	mg/kg dry	1	EG42903	07/29/04	08/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	2870	10.0	"	,,	"	n	"	"	
Total Hydrocarbon C6-C35	5150	10.0	н	"	11	n	**	**	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

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Project: 8 inch Moore to Jal #1

Project Number: 2002-10270 Project Manager: Jimmy Bryant Fax: (432) 687-4914

Reported: 08/04/04 12:22

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2002-10270 MW-1 (70') (4G29005-03) Soll									
Surrogate: 1-Chlorooctane		130 %	70- i	130	EG42903	07/29/04	08/03/04	EPA 8015M	
Surrogate: I-Chlorooctadecane		97.8%	70-1	130	"	"	"	"	

Project: 8 inch Moore to Jal #1

Project Number: 2002-10270 Project Manager: Jimmy Bryant Fax: (432) 687-4914

Reported: 08/04/04 12:22

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2002-10270 MW-1 (20') (4G29005-01) Soil						· · · · · · · · · · · · · · · · · · ·			
% Solids	93.0		%	1	EG43009	07/29/04	07/29/04	% calculation	
2002-10270 MW-1 (40') (4G29005-02) Soil									
% Solids	94.0		%	1	EG43009	07/29/04	07/29/04	% calculation	<u>-</u> -
2002-10270 MW-1 (70') (4G29005-03) Soil									
% Solids	82.0		%	1	EG43009	07/29/04	07/29/04	% calculation	

Project: 8 inch Moore to Jal #1

Project Number: 2002-10270 Project Manager: Jimmy Bryant Fax: (432) 687-4914

Reported: 08/04/04 12:22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG42903 - Solvent Extraction (GC)										
Blank (EG42903-BLK1)				Prepared: (07/29/04 A	nalyzed: 08	/02/04			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics > C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	n							
Surrogate: 1-Chlorocotane	45.4		mg/kg	50.0		90.8	70-130			
Surrogate: 1-Chlorooctadecane	37.2		"	50.0		74.4	70-130			
Blank (EG42903-BLK2)				Prepared: ()7/29/04 Aı	nalyzed: 08	/03/04			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	52.8		mg/kg	50.0		106	70-130			
Surrogate: 1-Chlorocctadecane	36.8		"	50.0		73.6	70-130			
LCS (EG42903-BS1)				Prepared: 0	7/29/04 At	nalyzed: 08	/02/04			
Gasoline Range Organics C6-C12	25.7	10.0	mg/kg wet	25.0		103	75-125			
Diesel Range Organics > C12-C35	27.6	10.0	"	25.0		110	75-125			
Total Hydrocarbon C6-C35	53.3	10.0	"	50.0		107	75-125			
Surrogate: 1-Chlorocctane	37.4		mg/kg	50.0		74.8	70-130			
Surrogate: 1-Chlorooctadecane	37.5		"	50.0		75.0	70-130			
LCS (EG42903-BS2)				Prepared: 0	7/29/04 Ar	nalyzed: 08/	03/04			
Gasoline Range Organics C6-C12	27.9	10.0	mg/kg wet	25.0		112	75-125			
Diesel Range Organics >C12-C35	27.9	10.0	"	25.0		112	75-125			
Total Hydrocarbon C6-C35	55.8	10.0	"	50.0		112	75-125			
Surrogate: 1-Chlorooctane	53.1		mg/kg	50.0		106	70-130			
Surrogate: 1-Chlorooctadecane	35.4		"	50.0		70.8	70-130			
Calibration Check (EG42903-CCV1)				Prepared: 0	7/29/04 Ar	nalyzed: 08/	02/04			
Gasoline Range Organics C6-C12	43.3		mg/kg	50.0		86.6	80-120			
Diesel Range Organics >C12-C35	45.6		15	50.0		91.2	80-120			
Total Hydrocarbon C6-C35	88.9		"	100		88.9	80-120			
Surrogate: 1-Chlorooctane	40.5		"	50.0		81.0	70-130			
Surrogate: 1-Chlorocctadecane	35.4		"	50.0		70.8	70-130			

Project: 8 inch Moore to Jal #1

Project Number: 2002-10270 Project Manager: Jimmy Bryant Fax: (432) 687-4914

Reported: 08/04/04 12:22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG42903 - Solvent Extraction (GC)										
Calibration Check (EG42903-CCV2)				Prepared: (07/29/04 Aı	nalyz e d: 08	3/03/04			
Gasoline Range Organics C6-C12	54.0		mg/kg	50.0		108	80-120			
Diesel Range Organics >C12-C35	52.2		"	50.0		104	80-120			
Total Hydrocarbon C6-C35	106		н	100		106	80-120			
Surrogate: 1-Chlorocctane	51.9		"	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	35.1		"	50.0		70.2	70-130			
Matrix Spike (EG42903-MS1)	Sou	rce: 4G29002	2-09	Prepared: ()7/29/04 Aı	nalyzed: 08	/03/04			
Gasoline Range Organics C6-C12	478	10.0	mg/kg dry	532	ND	89.8	75-125			
Diesel Range Organics >C12-C35	491	10.0	"	532	13.7	89.7	75-125			
Total Hydrocarbon C6-C35	969	10.0	n	1060	13.7	90.1	75-125			
Surrogate: 1-Chlorooctane	63.9		mg/kg	50.0		128	70-130			
Surrogate: 1-Chlorooctadecane	35.1		"	50.0		70.2	70-130			
Matrix Spike (EG42903-MS2)	Sou	rce: 4G29001	7-02	Prepared: 0	7/29/04 Ar	nalyzed: 08	/03/04			
Gasoline Range Organics C6-C12	605	10.0	mg/kg dry	568	ND	107	75-125			
Diesel Range Organics >C12-C35	558	10.0	11	568	ND	98.2	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1140	ND	102	75-125			
Surrogate: 1-Chlorooctane	56.2		mg/kg	50.0		112	70-130			
Surrogate: 1-Chlorocotadecane	38.2		"	50.0		76.4	70-130			
Matrix Spike Dup (EG42903-MSD1)	Sou	rce: 4G29002	2-09	Prepared: 0	7/29/04 Aı	nalyzed: 08	/03/04			
Gasoline Range Organics C6-C12	568	10.0	mg/kg dry	532	ND	107	75-125	17.2	20	
Diesel Range Organics >C12-C35	568	10.0	"	532	13.7	104	75-125	14.5	20	
Total Hydrocarbon C6-C35	1140	10.0	"	1060	13.7	106	75-125	16.2	20	
Surrogate: 1-Chlorocotane	64.4		mg/kg	50.0	· · · · · · · · · · · · · · · · · · ·	129	70-130			
Surrogate: 1-Chlorooctadecane	47.7		"	50.0		95.4	70-130			
Matrix Spike Dup (EG42903-MSD2)	Sou	rce: 4G29007	7-02	Prepared: 0	7/29/04 Ar	nalyzed: 08	/03/04			
Gasoline Range Organics C6-C12	536	10.0	mg/kg dry	568	ND	94.4	75-125	12.1	20	
Diesel Range Organics >C12-C35	576	10.0	11	568	ND	101	75-125	3.17	20	
Total Hydrocarbon C6-C35	1110	10.0	"	1140	ND	97.4	75-125	4.41	20	
Surrogate: 1-Chloroctane	60.5		mg/kg	50.0		121	70-130		· · · · · · · · · · · · · · · · · · ·	
Surrogate: 1-Chlorooctadecane	37.5		"	50.0		75.0	70-130			

Project: 8 inch Moore to Jal #1

Project Number: 2002-10270 Project Manager: Jimmy Bryant Fax: (432) 687-4914

Reported: 08/04/04 12:22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH40207 - EPA 5030C (GC)								<u>.</u> .	·	
Blank (EH40207-BLK1)				Prepared &	: Analyzed:	07/30/04				
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	H							
Ethylbenzene	ND	0.0250	н							
Xylene (p/m)	ND	0.0250	H							
Xylene (o)	ND	0.0250	**							
Surrogate: a,a,a-Trifluorotoluene	89.2		ug/kg	100		89.2	80-120			
Surrogate: 4-Bromofluorobenzene	90.6		"	100		90.6	80-120			
LCS (EH40207-BS1)				Prepared &	: Analyzed:	07/30/04				
Benzene	106		ug/kg	100		106	80-120			
Toluene	102		n	100		102	80-120			
Ethylbenzene	99.7		n	100		99.7	80-120			
Xylene (p/m)	210		"	200		105	80-120			
Xylene (o)	107		"	100		107	80-120			
Surrogate: a,a,a-Trifluorotoluene	104			100		104	80-120			
Surrogate: 4-Bromofluorobenzene	103		"	100		103	80-120			
Calibration Check (EH40207-CCV1)				Prepared: 0	7/30/04 Ar	nalyzed: 07.	/31/04			
Велгеле	104		ug/kg	100	-	104	80-120			
Toluene	101		В	100		101	80-120			
Ethylbenzene	95.4		n	100		95.4	80-120			
Xylene (p/m)	203		"	200		102	80-120			
Xylene (o)	106		H	100		106	80-120			
Surrogate: a,a,a-Trifluorotoluene	93.2		"	100		93.2	80-120			
Surrogate: 4-Bromofluorobenzene	92.1		"	100		92.1	80-120			
Matrix Splke (EH40207-MS1)	Sou	rce: 4G29006	i-0 3	Prepared &	. Analyzed:	07/30/04				
Benzene	102		ug/kg	100	ND	102	80-120			
Toluene	98.2		*	100	ND	98.2	80-120			
Ethy lbenzene	95.6		n	100	ND	95.6	80-120			
Xylene (p/m)	206		"	200	ND	103	80-120			
Xylene (o)	104		"	100	ND	104	80-120			
Surrogate: a,a,a-Trifluorotoluene	99.4		"	100		99.4	80-120			
Surrogate: 4-Bromofluorobenzene	101		"	100		101	80-120			

Project: 8 inch Moore to Jal #1

Project Number: 2002-10270 Project Manager: Jimmy Bryant Fax: (432) 687-4914

Reported: 08/04/04 12:22

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH40207 - EPA 5030C (GC)	·							,		
Matrix Spike Dup (EH40207-MSD1)	Sour	ce: 4G29006-03		Prepared &	Analyzed:	07/30/04				
Benzene	106	υ	ug/kg	100	ND	106	80-120	3.85	20	
Toluene	102		"	100	ND	102	80-120	3.80	20	
Ethylbenzene	99.9		"	100	ND	99.9	80-120	4.40	20	
Xylene (p/m)	213		н	200	ND	106	80-120	2.87	20	
Xylene (o)	108		11	100	ND	108	80-120	3.77	20	
Surrogate: a,a,a-Trifluorotoluene	98.9	· · · · · · · · · · · · · · · · · · ·	"	100		98.9	80-120			
Surrogate: 4-Bromofluorobenzene	96.6		"	100		96.6	80-120			

Project: 8 inch Moore to Jal #1

Project Number: 2002-10270 Project Manager: Jimmy Bryant Fax: (432) 687-4914

Reported: 08/04/04 12:22

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas	
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG43009 - General Preparation (Prep)										
Blank (EG43009-BLK1)				Prepared &	Analyzed:	07/29/04				
% Solids	100		%							
Duplicate (EG43009-DUP1)	Sour	ce: 4G29001-	01	Prepared &	Analyzed:	07/29/04				
% Solids	87.0		%		87.0			0.00	20	

Fax: (432) 687-4914 Project: 8 inch Moore to Jal #1 Plains All American EH & S Project Number: 2002-10270 1301 S. County Road 1150 Reported: Project Manager: Jimmy Bryant Midland TX, 79706-4476 08/04/04 12:22

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Cily D. Kune

Report Approved By:

Raland K. Tuttle, QA Officer

Celey D. Keene, Lab Director, Org. Tech Director Jeanne Mc Murrey, Inorg. Tech Director

James L. Hawkins, Chemist/Geologist

Date: 08/04/04 12:22

Sara Molina, Chemist Sandra Biezugbe, Lab Tech.

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Project: 8 inch Moore to Jal #1

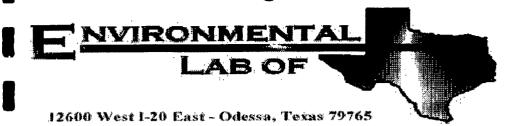
Project Number: 2002-10270 Project Manager: Jimmy Bryant Fax: (432) 687-4914

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Analytical Report

Prepared for:

Daniel Bryant
Plains All American EH & S
1301 S. County Road 1150
Midland, TX 79706-4476

Project: 8 inch Moore #1
Project Number: 2002-10270
Location: None Given

Lab Order Number: 4J29002

Report Date: 11/04/04

Project: 8 inch Moore #1

Project Number: 2002-10270 Project Manager: Daniel Bryant Fax: (432) 687-4914

Reported: 11/04/04 16:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2 (20-25)	4J29002-01	Soil	10/23/04 08:27	10/29/04 11:03
MW-2 (45-50)	4J29002-02	Soil	10/23/04 09:27	10/29/04 11:03
MW-2 (55-60)	4J29002-03	Soil	10/23/04 09:46	10/29/04 11:03
MW-3 (20-25)	4J29002-04	Soil	10/24/04 09:23	10/29/04 11:03
MW-3 (50-55)	4J29002-05	Soil	10/24/04 10:09	10/29/04 11:03
MW-3 (60-65)	4J29002-06	Soil	10/24/04 10:34	10/29/04 11:03
MW-4 (15-20)	4J29002-07	Soil	10/22/04 09:23	10/29/04 11:03
MW-4 (55-60)	4J29002-08	Soil	10/22/04 10:21	10/29/04 11:03
MW-4 (65-70)	4J29002-09	Soil	10/22/04 10:51	10/29/04 11:03

Project: 8 inch Moore #1

Project Number: 2002-10270 Project Manager: Daniel Bryant Fax: (432) 687-4914

Reported: 11/04/04 16:47

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
MW-2 (20-25) (4J29002-01) Soil	****								
Benzene	ND	0.0250	mg/kg dry	25	EK40203	10/29/04	11/01/04	EPA 8021B	
Toluene	ND	0.0250	11	"	"	11	11	"	
Ethylbenzene	ND	0.0250	11	,,	"	11	"	II .	
Xylene (p/m)	ND	0.0250	"	п	ıı	"	H	#	
Xylene (o)	ND	0.0250	"	**	"	"	**	н	
Surrogate: a,a,a-Trifluorotoluene		86.3 %	80-1	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.8 %	80-1	120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ42907	10/29/04	10/30/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	#	u	"	"	
Total Hydrocarbon C6-C35	ND	10.0	11	"	"	11	"	11	
Surrogate: I-Chlorooctane		123 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		125 %	70-1	130	"	"	"	"	
MW-2 (45-50) (4J29002-02) Soil									
Benzene	ND	0.0250	mg/kg dry	2.5	EK40203	10/29/04	11/01/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	n	"	"	
Ethylbenzene	ND	0.0250	11	"	n	**	"	"	
Xylene (p/m)	ND	0.0250		"	"	Ħ	"	**	
Xylene (o)	ND	0.0250	**	,,	"	n	n	11	
Surrogate: a,a,a-Trifluorotoluene		84.8 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.6 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ42907	10/29/04	10/30/04	EPA 8015M	
Diesel Range Organics >C12-C35	J [6.59]	10.0	"	,,	"	n	"	n .	
Total Hydrocarbon C6-C35	ND	10.0	"	"	H	U	**	n	
Surrogate: 1-Chlorooctane		92.4%	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		103 %	70-1	30	"	"	"	u	
MW-2 (55-60) (4J29002-03) Soll									
Benzene	139	1.00	mg/kg dry	1000	EK40203	10/29/04	11/02/04	EPA 8021B	
Toluene	434	1.00	II .	"	"	11	"	n	
Ethylbenzene	158	1.00	н	,,	n	n	n	"	
Xylene (p/m)	308	1.00	"	"	Ħ	11	"	"	
Xylene (o)	105	1.00	n	11	n	"	"	п	
Surrogate: a, a, a-Trifluorotoluene		416 %	80-1	20	"	"	"	"	S-0
Surrogate: 4-Bromofluorobenzene		122 %	80-1	20	"	"	"	"	S-0
Gasoline Range Organics C6-C12	8550	50.0	mg/kg dry	5	EJ42907	10/29/04	11/01/04	EPA 8015M	
Diesel Range Organics >C12-C35	9390	50.0	"	"	**	11	"	"	
Total Hydrocarbon C6-C35	17900	50.0	"	,,	n	н		"	

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Project: 8 inch Moore #1

Project Number: 2002-10270 Project Manager: Daniel Bryant Fax: (432) 687-4914

Reported: 11/04/04 16:47

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (55-60) (4J29002-03) Soil		· · · · · · · · · · · · · · · · · · ·							·-···
Surrogate: 1-Chlorooctane		35.8%	70-1	30	EJ42907	10/29/04	11/01/04	EPA 8015M	S-00
Surrogate: 1-Chlorooctadecane		15.6 %	70-1	30	"	"	"	"	S-00
MW-3 (20-25) (4J29002-04) Soll									
Benzene	ND	0.0250	mg/kg dry	25	EK40306	11/02/04	11/02/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	v	
Ethylbenzene	ND	0.0250	"	n	**	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	n	"	n	
Xylene (o)	ND	0.0250	"	11	"	"	H	v	
Surrogate: a,a,a-Trifluorotoluene		93.5 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	J [6.86]	10.0	mg/kg dry	1	EJ42907	10/29/04	10/30/04	EPA 8015M	J
Diesel Range Organics >C12-C35	17.4	10.0	"	,,	n	н	11	11	
Total Hydrocarbon C6-C35	17.4	10.0	"	n	11	"	"	"	
Surrogate: 1-Chlorooctane		164 %	70-1	30	"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		187 %	70-1	30	"	"	"	"	S-06
MW-3 (50-55) (4J29002-05) Soil									
Benzene	0.226	0.0250	mg/kg dry	25	EK40306	11/02/04	11/02/04	EPA 8021B	
Toluene	2.97	0.0250	"	11	11	"	**	H	
Ethylbenzene	2.97	0.0250	"	11	H	"	n	n	
Xylene (p/m)	6.64	0.0250	"	11	"	,,	n	n	
Xylene (o)	2.59	0.0250	"	11	n		n.	n	
Surrogate: a,a,a-Trifluorotoluene		171 %	80-1	20	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		123 %	80-1	20	"	"	"	"	S-04
Gasoline Range Organics C6-C12	481	10.0	mg/kg dry	1	EJ42907	10/29/04	10/30/04	EPA 8015M	
Diesel Range Organics >C12-C35	1100	10.0	,,	n	"	11	11	"	
Total Hydrocarbon C6-C35	1580	10.0	"	"	n	71	n	•	
Surrogate: 1-Chlorooctane		104 %	70-I	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		114 %	70-1	30	"	"	"	"	

Project: 8 inch Moore #1

Project Number: 2002-10270 Project Manager: Daniel Bryant Fax: (432) 687-4914

Reported: 11/04/04 16:47

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (60-65) (4J29002-06) Soil	<u></u>		****						
Benzene	139	0.200	mg/kg dry	200	EK40306	11/02/04	11/02/04	EPA 8021B	
Toluene	252	0.200	"	n	"	"	"	**	
Ethylbenzene	107	0.200	"	"	n	"	"	"	
Xylene (p/m)	159	0.200	"	"	"	n	n	"	
Xylene (o)	58.4	0.200	"	"	n	11	<i>n</i>	"	
Surrogate: a, a, a-Trifluorotoluene		976 %	80-1	20	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		120 %	80-1	20	"	"	"	u	
Gasoline Range Organics C6-C12	4930	10.0	mg/kg dry	1	EJ42907	10/29/04	10/30/04	EPA 8015M	
Diesel Range Organics >C12-C35	5790	10.0	H	"	"	"	"	"	
Total Hydrocarbon C6-C35	10700	10.0		"	"	"		н	
Surrogate: 1-Chlorooctane		124 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		86.2 %	70-1	30	n	"	"	u	
MW-4 (15-20) (4J29002-07) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK40306	11/02/04	11/03/04	EPA 8021B	
Toluene	ND	0.0250	p	"	"	11	н	"	
Ethylbenzene	ND	0.0250	**	"	"	#	n	n	
Xylene (p/m)	ND	0.0250	n	"	"	n	н	n	
Xylene (o)	ND	0.0250	17	**	"	0	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.5 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EJ42907	10/29/04	10/30/04	EPA 8015M	
Diesel Range Organics >C12-C35	J [7.84]	10.0	"	11	"	"	n	n	J
Total Hydrocarbon C6-C35	ND	10.0	n	"	11	"	,,	n	
Surrogate: 1-Chlorooctane		104 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		125 %	70-1	30	u	"	#	н	
MW-4 (55-60) (4J29002-08) Soil									
Benzene	205	0.500	mg/kg dry	500	EK40306	11/02/04	11/02/04	EPA 8021B	
Toluene	460	0.500	"	H	n	"	n	n	
Ethylbenzene	187	0.500	"	**	"	"	11	н	
Xylene (p/m)	328	0.500	u	"	"	"	н	"	
Xylene (a)	127	0.500	"	"	11	11	"	н	
Surrogate: a,a,a-Trifluorotoluene		900 %	80- I	20	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		113 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	9970	50.0	mg/kg dry	5	EJ42907	10/29/04	11/01/04	EPA 8015M	
Diesel Range Organics >C12-C35	11100	50.0	11	"	"	"	n	n	
Total Hydrocarbon C6-C35	21100	50.0	11	"	11	11	"	"	

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Project: 8 inch Moore #1 Project Number: 2002-10270 Project Manager: Daniel Bryant

Fax: (432) 687-4914 Reported:

11/04/04 16:47

Organics by GC **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (55-60) (4J29002-08) Soil			·						
Surrogate: 1-Chlorooctane		38.2 %	70-13	30	EJ42907	10/29/04	11/01/04	EPA 8015M	S-06
Surrogate: 1-Chlorooctadecane		20.4%	70 . 13	30	"	"	"	"	S-06
MW-4 (65-70) (4J29002-09) Soil									
Benzene	0.295	0.0250	mg/kg dry	25	EK40306	11/02/04	11/03/04	EPA 8021B	
Toluene	0.253	0.0250	"	н	"	"	H	n	
Ethylbenzene	0.0567	0.0250	H	n	**	"	11	n	
Xylene (p/m)	0.115	0.0250	**	n	Ħ	H	n	n	
Xylene (o)	0.0419	0.0250	"	n	**	11	"		
Surrogate: a,a,a-Trifluorotoluene		90.3 %	80-12	0	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.9 %	80-12	0	"	"	"	"	
Gasoline Range Organics C6-C12	81.9	10.0	mg/kg dry	1	EJ42907	10/29/04	10/30/04	EPA 8015M	
Diesel Range Organics >C12-C35	165	10.0	"	"	H	11	"	"	
Total Hydrocarbon C6-C35	247	10.0	"	"	N	tı	"	n	
Surrogate: 1-Chlorooctane		95.0 %	70-13	0	"	"	"	"	
Surrogate: I-Chlorooctadecane		115 %	70-13	0	"	"	"	"	

Project: 8 inch Moore #1

Project Number: 2002-10270 Project Manager: Daniel Bryant Fax: (432) 687-4914

Reported: 11/04/04 16:47

General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas

Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	· , · · ·				<u>-</u>		-	<u> </u>
8.0		%	1	EK40102	11/01/04	11/01/04	% calculation	
21.0		%	1	EK40102	11/01/04	11/01/04	% calculation	
10.0		%	1	EK40102	11/01/04	11/01/04	% calculation	
5.0		%	1	EK40102	11/01/04	11/01/04	% calculation	
							_	
7.0		%	1	EK40102	11/01/04	11/01/04	% calculation	
							_	
15.0		%	1	EK40102	11/01/04	11/01/04	% calculation	
11.0		%	1	EK40102	11/01/04	11/01/04	% calculation	
7.0		%	1	EK40102	11/01/04	11/01/04	% calculation	
16.0		%	1	EK40102	11/01/04	11/01/04	% calculation	
	21.0 10.0 5.0 7.0 11.0	8.0 21.0 10.0 5.0 11.0 7.0	Result Limit Units 8.0 % 21.0 % 10.0 % 5.0 % 7.0 % 11.0 % 7.0 %	Result Limit Units Dilution 8.0 % 1 21.0 % 1 10.0 % 1 5.0 % 1 7.0 % 1 11.0 % 1 7.0 % 1	Result Limit Units Dilution Batch 8.0 % 1 EK40102 21.0 % 1 EK40102 10.0 % 1 EK40102 5.0 % 1 EK40102 7.0 % 1 EK40102 11.0 % 1 EK40102 7.0 % 1 EK40102	Result Limit Units Dilution Batch Prepared 8.0 % 1 EK40102 11/01/04 21.0 % 1 EK40102 11/01/04 10.0 % 1 EK40102 11/01/04 5.0 % 1 EK40102 11/01/04 7.0 % 1 EK40102 11/01/04 11.0 % 1 EK40102 11/01/04 7.0 % 1 EK40102 11/01/04	Result Limit Units Dilution Batch Prepared Analyzed 8.0 % 1 EK40102 11/01/04 11/01/04 21.0 % 1 EK40102 11/01/04 11/01/04 10.0 % 1 EK40102 11/01/04 11/01/04 5.0 % 1 EK40102 11/01/04 11/01/04 7.0 % 1 EK40102 11/01/04 11/01/04 11.0 % 1 EK40102 11/01/04 11/01/04 7.0 % 1 EK40102 11/01/04 11/01/04	Result

Project: 8 inch Moore #1

Project Number: 2002-10270 Project Manager: Daniel Bryant Fax: (432) 687-4914

Reported: 11/04/04 16:47

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ42907 - Solvent Extraction (GC)										
Blank (EJ42907-BLK1)				Prepared &	Analyzed:	10/29/04				
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	11							
Total Hydrocarbon C6-C35	ND	10.0	n							
Surrogate: 1-Chlorooctane	44.5		mg/kg	50.0		89.0	70-130			
Surrogate: 1-Chlorocctadecane	48.5		"	50.0		97.0	70-130			
Blank (EJ42907-BLK2)				Prepared: 1	.0/29/04 Ar	nalyzed: 10	/30/04			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	,,							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	48.1		mg/kg	50.0		96.2	70-130			<u></u>
Surrogate: 1-Chlorocctadecane	48.8		"	50.0		97.6	70-130			
LCS (EJ42907-BS1)				Prepared &	Analyzed:	10/29/04				
Gasoline Range Organics C6-C12	473	10.0	mg/kg wet	500		94.6	75-125			
Diesel Range Organics >C12-C35	518	10.0	"	500		104	75-125			
Total Hydrocarbon C6-C35	991	10.0	"	1000		99.1	75-125			
Surrogate: 1-Chlorooctane	51.4		mg/kg	50.0	·	103	70-130			
Surrogate: 1-Chlorooctadecane	46.5		"	50.0		93.0	70-130			
LCS (EJ42907-BS2)				Prepared: 1	0/29/04 Ar	alyzed: 10	/30/04			
Gasoline Range Organics C6-C12	518	10.0	mg/kg wet	500		104	75-125			
Diesel Range Organics >C12-C35	540	10.0	11	500		108	75-125			
Fotal Hydrocarbon C6-C35	1060	10.0	"	1000		106	75-125			
Surrogate: 1-Chlorooctane	57.9	···	mg/kg	50.0		116	70-130			
Surrogate: 1-Chlorooctadecane	60.2		"	50.0		120	70-130			
LCS Dup (EJ42907-BSD2)				Prepared: 1	0/29/04 Ar	nalyzed: 10	/30/04			
Gasoline Range Organics C6-C12	502	10.0	mg/kg wet	500		100	75-125	3.14	20	
Diesel Range Organics >C12-C35	551	10.0	n	500		110	75-125	2.02	20	
Total Hydrocarbon C6-C35	1050	10.0	n	1000		105	75-125	0.948	20	
Surrogate: 1-Chlorocctane	56.2		mg/kg	50.0		112	70-130			
Surrogate: 1-Chlorooctadecane	58.8		"	50.0		118	70-130			

Project: 8 inch Moore #1

Project Number: 2002-10270 Project Manager: Daniel Bryant Fax: (432) 687-4914

Reported: 11/04/04 16:47

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ42907 - Solvent Extraction (GC)										
Calibration Check (EJ42907-CCV1)				Prepared &	Ł Analyzed	: 10/29/04				
Gasoline Range Organics C6-C12	492		mg/kg	500		98.4	80-120			
Diesel Range Organics >C12-C35	506		n	500		101	80-120			
Total Hydrocarbon C6-C35	998		17	1000		99.8	80-120			
Surrogate: 1-Chlorocctane	50.0		"	50.0		100	70-130			
Surrogate: 1-Chlorooctadecane	48.0		"	50.0		96.0	70-130			
Calibration Check (EJ42907-CCV2)				Prepared: 1	10/29/04 A	nalyzed: 10	/30/04			
Gasoline Range Organics C6-C12	500		mg/kg	500		100	80-120			
Diesel Range Organics > C12-C35	559		11	500		112	80-120			
Total Hydrocarbon C6-C35	1060		n	1000		106	80-120			
Surrogate: 1-Chloroctane	57.4		"	50.0		115	70-130			
Surrogate: 1-Chlorocotadecane	60.6		"	50.0		121	70-130			
Matrix Spike (EJ42907-MS1)	Sou	rce: 4J29003	-04	Prepared: 1	0/29/04 A	nalyzed: 10	/30/04			
Gasoline Range Organics C6-C12	571	10.0	mg/kg dry	526	ND	109	75-125			
Diesel Range Organics >C12-C35	597	10.0	п	526	ND	113	75-125			
Total Hydrocarbon C6-C35	1170	10.0	11	1050	ND	111	75-125			
Surrogate: 1-Chlorocetane	57.9	***************************************	mg/kg	50.0		116	70-130			
Surrogate: 1-Chlorocctadecane	61.9		"	50.0		124	70-130			
Matrix Spike Dup (EJ42907-MSD1)	Sour	rce: 4J29003	-04	Prepared: 1	.0/29/04 A	nalyzed: 10	/30/04			
Gasoline Range Organics C6-C12	566	10.0	mg/kg dry	526	ND	108	75-125	0.880	20	
Diesel Range Organics >C12-C35	548	10.0	n	526	ND	104	75-125	8.56	20	
Total Hydrocarbon C6-C35	1110	10.0	"	1050	ND	106	75-125	5.26	20	
Surrogate: 1-Chlorooctane	54.7		mg/kg	50.0		109	70-130			
Surrogate: 1-Chlorooctadecane	53.5		"	50.0		107	70-130			

Project: 8 inch Moore #1

Project Number: 2002-10270 Project Manager: Daniel Bryant Fax: (432) 687-4914

Reported: 11/04/04 16:47

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK40203 - EPA 5030C (GC)	74 11			-					·····	
Blank (EK40203-BLK1)				Prepared &	. Analyzed	: 10/29/04				
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							•
Ethylbenzene	ND	0.0250	U							
Xylene (p/m)	ND	0.0250	n							
Xylene (o)	ND	0.0250	17							
Surrogate: a,a,a-Trifluorotoluene	84.5		ug/kg	100		84.5	80-120			
iurrogate: 4-Bromofluorobenzene	88.5		"	100		88.5	80-120			
LCS (EK40203-BS1)				Prepared &	: Analyzed:	: 10/29/04				
Benzene	89.4		ug/kg	100		89.4	80-120			
l'oluene	91.6		11	100		91.6	80-120			
Ethylbenzene	96.7		и	100		96.7	80-120			
Xylene (p/m)	217		11	200		108	80-120			
Xylene (o)	104		**	100		104	80-120			
Surrogate: a,a,a-Trifluorotoluene	95.9			100		95.9	80-120			
Surrogate: 4-Bromofluorobenzene	108		"	100		108	80-120			
Calibration Check (EK40203-CCV1)				Prepared: 1	0/29/04 A	nalyzed: 11	/02/04			
Benzene	91.0		ug/kg	100		91.0	80-120			
Toluene	95.1		"	100		95.1	80-120			
Ethylbenzene	93.1		n	100		93.1	80-120			
Xylene (p/m)	204		n	200		102	80-120			
Xylene (o)	94.5		n	100		94.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	101	******	"	100		101	80-120			
Surrogate: 4-Bromofluorobenzene	109		"	100		109	80-120			
Matrix Spike (EK40203-MS1)	Sou	rce: 4J28003	-01	Prepared: 1	0/29/04 A	nalyzed: 11	/02/04			
Benzene	2370		ug/kg	2500	ND	94.8	80-120			
Toluene	2520		"	2500	20.4	100	80-120			
Ethylbenzene	2450		11	2500	ND	98.0	80-120			
Xylene (p/m)	5350		IF	5000	32.5	106	80-120			
Xylene (o)	2410		II	2500	ND	96.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	100		,,	100		100	80-120		····	
Surrogate: 4-Bromofluorobenzene	105		"	100		105	80-120			

Project: 8 inch Moore #1

Project Number: 2002-10270 Project Manager: Daniel Bryant Fax: (432) 687-4914

Reported: 11/04/04 16:47

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK40203 - EPA 5030C (GC)										
Matrix Spike Dup (EK40203-MSD1)	Sou	rce: 4J28003-	01	Prepared: 1	10/29/04 Aı	nalyzed: 11	/02/04			
Benzene	2290		ug/kg	2500	ND	91.6	80-120	3.43	20	
Toluene	2380		"	2500	20.4	94.4	80-120	5.76	20	
Ethylbenzene	2270		"	2500	ND	90.8	80-120	7.63	20	
Xylene (p/m)	4950		n	5000	32.5	98.4	80-120	7.44	20	
Xylene (o)	2210		"	2500	ND	88.4	80-120	8.66	20	
Surrogate: a,a,a-Trifluorotoluene	102		"	100		102	80-120			
Surrogate: 4-Bromofluorobenzene	107		"	100		107	80-120			
Batch EK40306 - EPA 5030C (GC)	*****					,				
Blank (EK40306-BLK1)				Prepared &	Analyzed:	11/02/04				
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	85.1		ug/kg	100		85.1	80-120		- "	
Surrogate: 4-Bromofluorobenzene	95.3		"	100		95.3	80-120			
LCS (EK40306-BS1)				Prepared &	Analyzed:	11/02/04				
Benzene	95.3		ug/kg	100		95.3	80-120			
Foluene	99.5		"	100		99.5	80-120			
Ethylbenzene	103		"	100		103	80-120			
Xylene (p/m)	228		H	200		114	80-120			
Xylene (o)	107		"	100		107	80-120			
Surrogate: a,a,a-Trifluorotoluene	105		"	100		105	80-120			
Surrogate: 4-Bromofluorobenzene	115		"	100		115	80-120			

Project: 8 inch Moore #1

Project Number: 2002-10270 Project Manager: Daniel Bryant Fax: (432) 687-4914

Reported: 11/04/04 16:47

Analyte	Result	Reporting Limit Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK40306 - EPA 5030C (GC)									
Calibration Check (EK40306-CCV1)			Prepared:	11/02/04 A	nalyzed: 11	/03/04			
Benzene	93,8	ug/kg	100		93.8	80-120			
Toluene	95.6	"	100		95.6	80-120			
Ethylbenzene	89.3	"	100		89.3	80-120			
Xylene (p/m)	197	Ħ	200		98.5	80-120			
Xylene (o)	92.9	11	100		92.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	106		100		106	80-120			
Surrogate: 4-Bromofluorobenzene	100	"	100		100	80-120			
Matrix Spike (EK40306-MS1)	Sou	rce: 4K01005-01	Prepared:	11/02/04 A	nalyzed: 11	/03/04			
Benzene	92.0	ug/kg	100	ND	92.0	80-120			
Toluene	93.6	п	100	ND	93.6	80-120			
Ethylbenzene	97.3	n	100	ND	97.3	80-120			
Xylene (p/m)	217	II	200	ND	108	80-120			
Xylene (o)	104	n	100	ND	104	80-120			
Surrogate: a,a,a-Trifluorotoluene	102	"	100		102	80-120			
Surrogate: 4-Bromofluorobenzene	116	"	100		116	80-120			
Matrix Spike Dup (EK40306-MSD1)	Sou	rce: 4K01005-01	Prepared:	11/02/04 A	nalyzed: 11	/03/04			
Benzene	93.1	ug/kg	100	ND	93.1	80-120	1.19	20	
Toluene	96.4	n	100	ND	96.4	80-120	2.95	20	
Ethylbenzene	98.0	n	100	ND	98.0	80-120	0.717	20	
Xylene (p/m)	218	н	200	ND	109	80-120	0.922	20	
Xylene (o)	103	p p	100	ND	103	80-120	0.966	20	
Surrogate: a,a,a-Trifluorotoluene	97.9	"	100		97.9	80-120	·		
Surrogate: 4-Bromofluorobenzene	112	"	100		112	80-120			

Project: 8 inch Moore #1

Project Number: 2002-10270 Project Manager: Daniel Bryant Fax: (432) 687-4914

Reported: 11/04/04 16:47

General Chemistry Parameters by EPA / Standard Methods - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK40102 - General Preparation (Prep)										
Blank (EK40102-BLK1)				Prepared &	Analyzed:	11/01/04				
% Moisture	0.0		%							
Duplicate (EK40102-DUP1)	Sourc	e: 4J29002-0)1	Prepared &	: Analyzed:	11/01/04				
% Moisture	8.0		%		8.0			0.00	20	-

Plains All American EH & S
1301 S. County Road 1150
Midland TX, 79706-4476

Project: 8 inch Moore #1 Project Number: 2002-10270

Project Manager: Daniel Bryant

Fax: (432) 687-4914

Reported: 11/04/04 16:47

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

	Kalan	٦	KJumb
Report Approved By:	ACTION ON CO.	- Carrie	

Date:

11/4/2004

Raland K. Tuttle, Lab Manager Celey D. Keene, Lab Director, Org. Tech Director Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director James L. Hawkins, Chemist/Geologist Sandra Biezugbe, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 13 of 13

Chain of Custody Form

Environmental Labs of Texas

12600 West I-20 East, Odessa, TX 79763 (915) 563-1800 FAX: (915) 563-1713

Company Name		Environmental Plus, Inc.	35							BIII To	0		H			₹.	ANALYSIS REQUEST	35	B				
EPI Project Manager		\$5							<u>L</u>	P	Ī.				W-W-747					شنخص.			
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City, State, Zip	Eunice N	Eunice New Mexico 8823	1823					٠٠.	1	ı									- ///				
EPI Phone#/Fax#	505-394-3	505-394-3481 / 505-394-26	4-26	۶					_ال		Z		Pierre volet		Жиринал	·····	77,77	*********	Marin Lans		Constitution of the last of th	*********	
Client Company	Plains All American	American						. :	F				Antonic					*****		فالمارجية	***********		
Facility Name	8" Moore #1	#1					At	T.E	N	Acco	Attn: ENV Accounts Payable	vable		pinana						·	-	·	-
Project Reference	2002-10270	70						(Instant	Õ	Box	PO Box 4648,	•								***************************************			
EPI Sampler Name	John Robinson	inson						Hor	ston	K,	Houston, TX 77210-4648	648			/**********					**********			
			<u> </u>	 		MATHIX	ĭ	*#	PA	PRESERV.		SAMPLING			**********						***************************************		
LABID.	SAMPLE I.D.		RAB OR (C)OMP	RETAW GNUO	R3TAW3T2		IDGE ODE OIF	HEB: NDGE	38 4 8/01	1000/	НЕВ		EX 8021B	4 804 EM	FORIDES (CI)	(F,OS) 83TA1							
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Environmental Lab of Texas Variance / Corrective Action Report - Sample Log-In

Client: Plains P/L				
Date/Time: <u>10 - 2억 - 0 나 1115</u>				
Order#: 4 J29002				
Initials:				
Sample Receip	t Checkli	st		
Temperature of container/cooler?	(T. E.S.)	No	3.5	[]
Shipping container/cooler in good condition?	Ves	No		77
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present	-
Custody Seals intact on sample bottles?	Yes	No	(Not present)	
Chain of custody present?	XESD			\dashv
Sample Instructions complete on Chain of Custody?	Yes			
Chain of Custody signed when relinquished and received?	(es)			
Chain of custody agrees with sample label(s)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	No		-
Contain or custody agrees with sample label(s) Container labels legible and intact?	(ES)			sten
······································		No		
Sample Matrix and properties same as on chain of custody?	(Yes)	No		
Samples in proper container/bottle?	(es)	No		
Samples properly preserved?	Yes	No		
Sample bottles intact?	Yes Yes	No		
Preservations documented on Chain of Custody?	Yes/	No		
Containers documented on Chain of Custody?	<u>(785</u>)	No		
Sufficient sample amount for indicated test?	人で ろ	No		
All samples received within sufficient hold time?	Ves?	No		
VOC samples have zero headspace?	(Yes)	No	Not Applicable	
Other observations:				
Variance Docur Contact Person: Date/Time: Regarding:			Contacted by:	
Corrective Action Taken;				
	VANORA, a	******		*****

			,4/************************************	*****
	*****		*************	***************************************

APPENDIX B

SOIL BORING LOGS

AND

WELL CONSTRUCTION DIAGRAMS

						Log	Of Test Borings (NOTE - Page 1	of 3)
							Project Number: Plains All American Pipeline — 2002—10270	
			ONMEN		LUS, N	C.	Project Name: 8-Inch Moore to Jal #1	
			ENVIRONME EU	NTAL SER\ NICE, NM			Location: UL—F of Section 16, Township 17 South, Range 37 East	
			505-	-394 -3481			Boring Number: MW-1 Surface Elevation: 3,762.04'	
# e	<u>o</u> .	5.0	ę v	SS	0 to	-	Start Date: 07/26/04 Time: 1015	
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 07/26/04 Time: 1555	
- S E	<i>S</i>	8: <u>:</u>	×	<u> ~</u>) DV		Description	
						_		
								_
	•						CALICHE, White to Tan, Soft to Indurated	_
						5		
						-		_
						_		
						1	0	_
1032	SS	24	Moist	2,982	-			_
			Imoist			_		_
				l		_		_
						_ ,		-
4077		N. A		0.505		·	5	
1033	Cuttings	NA	Damp	2,565		_		_
						_		_
						_		_
			<u> </u>			2	0	
1040	SS	22	Damp	1,574				
						_		_
						_		_
		:				2		
1041	Cuttings	NA	Damp	1,558	SP	_	Tan to Red Brown, Soft, Fine to Medium—Grained SAND with some trace SILT, CLAY and PEBBLES	
								_
								_
						3	0	
1051	ss	24	Damp	1,160	SP	_	some CALICHE FRAGMENTS present	_
			ļ			_		
						_		_
						_ ,	5	
	<u></u>						·	

						Log	Of Test Borings (NOTE - Page 2 of	3)				
	-						Project Number: Plains All American Pipeline - 2002-10270					
	[– – NVIR state	ONMEN	TAL PI	LUS, IN	ıc.	Project Name: 8—Inch Moore to Jal #1					
		E	NVIRONME	NTAL SERVI	ICES	ľ	Location: UL-F of Section 16, Township 17 South, Range 37 East					
			505-	-394-3481		Ī	Boring Number: MW-1 Surface Elevation: 3,762.04'					
#= e		~~~	· v	SE_	vi 5		Start Date: 07/26/04 Time: 1015					
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 07/26/04 Time: 1555					
Sar	Ω.		Σ	ag	 ⊃.∾.	۵۵	Description					
1053	Cuttings	NA	Damp	1,049	SP	-		_				
						_		_				
							0	_				
1105	SS	24	Dame =	027	CD.		some SANDSTONE FRAGMENTS present					
1105	33	24	Damp	927	SP	_						
						_	-					
						'	5					
1106	Cuttings	NA	Damp	1,125	SP	_	-	_				
							-					
						;	0	_				
1120	SS	24	Damp	1,227	SP	<u>_</u>	some SANDSTONE FRAGMENTS Present					
			<u> </u>			_	-					
							-					
						<u> </u>	-					
	İ					:	5					
1122	Cuttings	NA	Damp	2,124	SP		some PEBBLES present	_				
						_	_					
						L ε	0					
1135	ss	24	Wet	710	SP	_	Oil present on sample					
							-					
							-					
							5	_				
1145	Cuttings	NA	Wet	906	SP		Oil present on sample -					
							-					
							-					
							-					
						7						

	•					Log C	Of Test Borings (NOTE — Page 3	of 3)
		-				F	Project Number: Plains All American Pipeline - 2002-10270	
,		ENVIR	ONMEN	ITAL P	LUS, N	C. F	Project Name: 8—Inch Moore to Jal #1	
			NVIRONME	ED LAND FI INTAL SERV INICE, NM		Γ.	Location: UL-F of Section 16, Township 17 South, Range 37 East	
			505	-394-3481		Е	Boring Number: MW—1 Surface Elevation: 3,762.04	
1.# Te	<u>v</u>	50	gy .	Sg	o S.		Start Date: 07/26/04 Time: 1015	
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 07/26/04 Time: 1555	
Sa	· vs	% <u>₽</u>	ž	å .			Description	
1207	SS	24	Wet	1,543	SP	_	Oil present on sample	-
· 								
						_		_
						75		
						<u> </u>		
						<u> </u>		-
						_		
						80		
						_		_
								-
						— 85		
							End of Boring at 85'	
						_		-
					}	 90		-
					į	90		
						_		
					-	_		
					-	_		
						95		-
					•	_		
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					,			_
					}	100		
						_		-
Date	Wat		Measi mple	urements Casing	(feet)	n Wat	ter Drilling Method: Air Rotary 8.5" OD	
07/26/0	_L	De	epth -	Depth ~	Depth —	Lev	vel Daniell Mathed ANN 1 Installed	
11/04/0)4 –		=			58.		
				<u>-</u>	L			

Monitoring Well Construction Information

Job No.: <u>2002-10270</u> Job Name: <u>8-Inch Moore to Jal #1</u> Boring / Well No. <u>MW-1</u> Date: 07/26/04 Field Representative: JR State Unique Well No. NA Height __4.01' T.O.C. Elev. 3,766.03 3.99° Height -1) Protective Casing Yes No Locking Yes No Protective Posts Yes No Concrete Pyramid Depth ___ 2) Concrete Seal Yes No Depth ____ 3) Type of Surface Seal if Installed 19 bags of Bentonite Plug 4) Solid Pipe Type PVC Solid Pipe Length 65 Joint Type Slip/Glued or Threaded <u>Threaded</u> 5) Type of Backfill Bentonite Plug Type of Lower Seal if Installed <u>Bentonite Plug</u> Depth _ Screen Type P.V.C. 6 58' Screen Length 20 Depth _ Slot Size __ Length ____ Depth ___60' Screen Diameter __4 8) Type of Backfill around Screen 9 bags of 12/20 sand 9) Type of Backfill Native Soils 10) Drilling Method Air Rotary 11) Additives Used if any None Depth ___80' 12) Borehole Diameter <u>8.5" in.</u> Depth ___80'

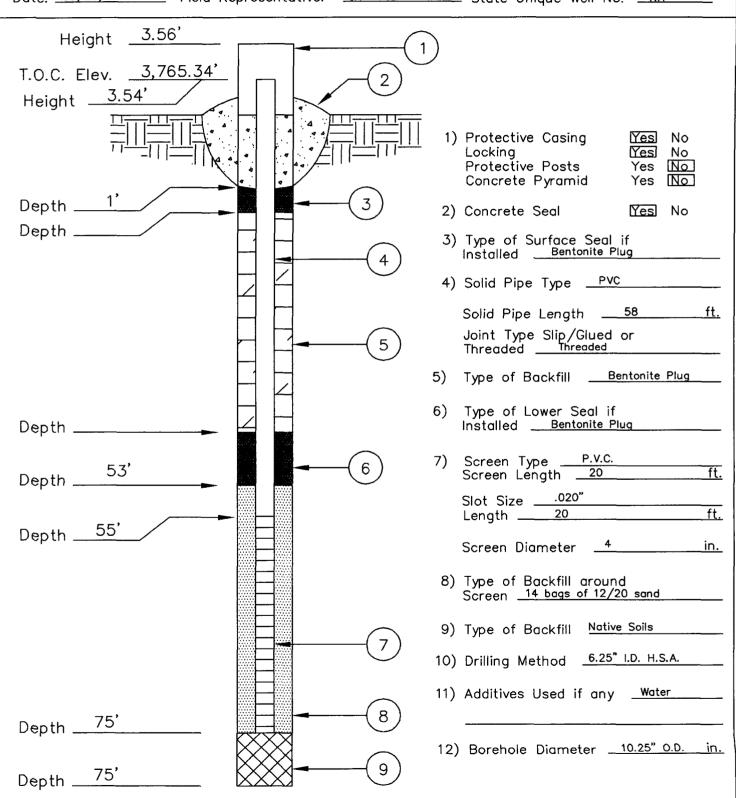
						Log	Of Test Borings (NOTE - Page 1 of 3)
-				_	_		Project Number: Plains All American Pipeline — 2002—10270
		STATE	APPROVE	TAL PI	ARM AND	ıc.	Project Name: 8-Inch Moore to Jal #1
		EI	NVIRONME EU	NTAL SERVI NICE, NM -394-3481	CES		Location: UL-F of Section 16, Township 17 South, Range 37 East
			505-	-J94-3401			Boring Number: MW-1A Surface Elevation: 3,761.80'
# e ∃.e	<u>e</u> e	ery is)	ē	sg (n	.S. <u>P</u>	 -	Start Date: 09/29/04 Time:
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 09/29/04 Time:
80		- R	2	-			Description
						_	_
						<u> </u>	_
						5	
							A SOIL BORING LOG -
						_	
						1	WAS NOT COMPLETED _
						'	" AS THIS WELL WAS =
						_	INSTALLED ADJACENT -
						<u> </u>	INSTALLED ADJACENT
							$_{15}$ TO MW -1
						<u></u>	_
						<u> </u>	_
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Log Of Test Borings (NOTE - Page 2 of 3) Project Number: Plains All American Pipeline - 2002-10270 ENVIRONMENTAL PLUS, INC.
STATE APPROVED LAND FARM AND
ENVIRONMENTAL SERVICES
EUNICE, NM
505-394-3481 Project Name: 8-Inch Moore to Jal #1 Location: UL-F of Section 16, Township 17 South, Range 37 East Boring Number: MW-1A Surface Elevation: 3,761.80' PID Readings (ppm) 09/29/04 Start Date: Time: Sample Type Moisture U.S.C.S. Symbol Recovery (inches) Depth (feet) 09/29/04 Time:_ Completion Date: Description 40 A SOIL BORING LOG THIS WELL WAS INSTALLED ADJACENT TO MW-155 60 65 70

						Log	Of Test Borings (NOTE — Page 3 of 3
							Project Number: Plains All American Pipeline - 2002-10270
				NTAL P		ıc.	Project Name: 8—Inch Moore to Jal #1
			ENVIRONM E	ENTAL SERV UNICE, NM 5-394-3481			Location: UL-F of Section 16, Township 17 South, Range 37 East
				J-554-5461			Boring Number: MW—1A Surface Elevation: 3,761.80'
Sample # and Time	ple e	ery	lre	age (S:S. bol	£⊋	Start Date: 09/29/04 Time:
g but	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 09/29/04 Time:
0,0			 -	+-			Description
							_
							End of Boring at 75'
						_	
						<u> </u>	- A SOIL BORING LOG I
							JA SOIL BORING LOG I
							WAS NOT COMPLETED -
						_	
						_	AS THIS WELL WAS -
						8:	AS THIS WELL WAS
						_	INSTALLED ADJACENT -
						_	TO MW-1 -
							_
						90	
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						95	
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						10	0
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D=4=	Wat			surements		_ 1 141	Drilling Method: Air Rotary 8.5" OD
Date 10/23/0	Tim		ample Depth —	Casing Depth	Cave-i Depth	Le	bevel Backfill Method: MW-1A Installed
11/04/0	94 –			<u>-</u>	<u>-</u>		5.71 Field Representative: JR
					<u> </u>		

Monitoring Well Construction Information

Job No.:2002-10270Job Name:8-Inch Moore to Jal #1Boring / Well No.MW-1ADate:09/29/04Field Representative:JRState Unique Well No.NA



						Log	Of Test Borings (NOTE - Page 1	of 3)
							Project Number: Plains All American Pipeline — 2002—10270	
					LUS, N	c.	Project Name: 8-Inch Moore to Jal #1	
			NVIRONME	ED LAND F. NTAL SERV NICE, NM			Location: UL-F of Section 16, Township 17 South, Range 37 East	
				-394-3481		Ī	Boring Number: MW-2 Surface Elevation: 3,767.90'	
# . ₽	0)	>_		S.	/ i =		Start Date: 10/23/04 Time: 0745	
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 10/23/04 Time: 1830	
San	S _L	- Sec	¥ ¥	N S C		ے کے	Description	
							0.5' Sandy Loam Topsoil	
						_		
						_	CALICHE, White to Tan, Soft to Indurated	-
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						5		-
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	*					2	25	
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0823	00	24	D	600	C	_	Intermity of CALICHE and underlying SAND	_
0827	CS	24	Dry	62.2	SP	_	Intermix of CALICHE and underlying SAND	-
								-
					:	3	Tan to Red Brown, Soft, Fine to Medium—Grained SAND	
							with some trace SILT, CLAY and PEBBLES	_
0835	CS	36	Dry	59.8	SP	_		
								{
						3	55	-
			L	L				

						Log	0	f Test Borings (NOTE — Page :	2 of 3)
							Р	Project Number: Plains All American Pipeline — 2002—10270	
		ENVIR	ONMEN	TAL P	LUS, IN	1C.	Р	roject Name: 8—Inch Moore to Jal #1	
***************************************			NVRONME	.D LAND FI NTAL SERV NICE, NM			L	ocation: UL—F of Section 16, Township 17 South, Range 37 Eas	it
			505-	-394-3481			В	oring Number: MW-2 Surface Elevation: 3,767.90'	· · · · · · · · · · · · · · · · · · ·
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	, , , ,	Start Date: 10/23/04 Time: 0745 Completion Date: 10/23/04 Time: 1830 Description	
0853	cs	53	Dry	68.4	SP			SAND is indurated	_ _ _ _
0902	CS	28	Damp	53.7	SP	 - - -	45		
0920	cs	60	Damp	73.3	SP				
0927	cs	54	Damp	224	SP		50	SAND is indurated	
0936	CS	50	Damp	1,838	SP		55	Bottom 6" of sample had a HYDROCARBON ODOR	
0946	CS	60	Moist	875	SP		60	Strong HYDROCARBON ODOR	
0958	CS	48	Wet	800	SP		65	Saturated with PSH and Water	
							70		

					L	og C	Of Test Borings (NOTE — Page 3 of	f 3)
							Project Number: Plains All American Pipeline — 2002—10270	
	1	ENVIR	ONMEN	ITAL P	LUS, I NC	. F	Project Name: 8-Inch Moore to Jal #1	
		E	NVRONM!	ENTAL SERV UNICE, NM	ICES	Γι	Location: UL-F of Section 16, Township 17 South, Range 37 East	
			505	5-394-3481		E	Boring Number: MW-2 Surface Elevation: 3,767.90'	
	<u>ə</u> .	<u>5</u>	ø	sg (<u>ه</u> نې		Start Date: 10/23/04 Time: 0745	
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 10/23/04 Time: 1830	
	S	Re (in	ž	, a	500		Description	
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						- 80	0	
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					-		End of Boring at 83'	-
					-	85	5	\dashv
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						100	ν 	
Date	Wat Tim	e Sc	mple	urements Casing	Cave-in			
10/23/0	ŀ	D	epth –	Depth —	Depth -	Lev	Backfill Method: MW-2 Installed	
11/04/0	4 -		-			65.		
			1		l			

Monitoring Well Construction Information Standard Well

Job No.: <u>2002-10270</u> Job Name: <u>8-Inch Moore to Jal #1</u> Boring / Well No. <u>MW-2</u> Date: 10/23/04 Field Representative: JR State Unique Well No. NA T.O.C. Elev. <u>3,770.91</u> 3.01 Height _ 1) Protective Casing Yes No Locking No Protective Posts No Yes Concrete Pyramid Yes Depth ___ 2) Concrete Seal Yes No Depth ____ 3) Type of Surface Seal if Installed 36 bags of Bentonite Plug 4) Solid Pipe Type PVC Solid Pipe Length 63 Joint Type Slip/Glued or Threaded <u>Threaded</u> 5) Type of Backfill Bentonite Plug Type of Lower Seal if Installed <u>Bentonite Plug</u> Depth _ Screen Type P.V.C.
Screen Length 20 6 61' Depth_ Slot Size _ Length ____ Depth ___63' Screen Diameter _ in. 8) Type of Backfill around Screen 14 bags of 12/20 sand 9) Type of Backfill Native Soils 10) Drilling Method 6.25" I.D. H.S.A. 11) Additives Used if any <u>Water</u> Depth ___83' 12) Borehole Diameter 10.25" O.D. in. Depth <u>83</u>

					I	Log	Of Test Borings (NOTE - Page 1 c	of 3)
							Project Number: Plains All American Pipeline - 2002-10270	******
				ITAL P	LUS, N	c.	Project Name: 8-Inch Moore to Jal #1	
	Va my y ly familia	E	NVIRONME EU	NTAL SERVINICE, NM	ACES		Location: UL-F of Section 16, Township 17 South, Range 37 East	
			505	-394-3481			Boring Number: MW-3 Surface Elevation: 3,767.18'	
# 0 F	e e	2500	g.	gs	9.50		Start Date: 10/24/04 Time; 0800	
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 10/24/04 Time: 1800	
8 8	S	8:	×	, a	>v		Description	
						_	0.5' Sandy Loam Topsoil	
						_	CALICHE, White to Tan, Soft to Indurated	
						_ 5		
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						1	5	
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						_		
						2	0	
0918	cs	24	Dry	12.1	SP	_	Intermix of CALICHE and underlying SAND	
						_		
						— 2	5	
						_	Tan to Red Brown, Soft, Fine to Medium—Grained SAND	
						_	with some trace SILT, CLAY and PEBBLES	
0923	CS	36	Dry	100	SP			_
								-
				† -		3	0	\dashv
						_		
0928	cs	36	Dry	40.3	SP			_
					-	_		_ \
ľ		<u> </u>				3	5	

						Log	Of Test Borings (NOTE — Page 2 of	3)
			<u></u>				Project Number: Plains All American Pipeline — 2002-10270	
				TAL P		ıc.	Project Name: 8-Inch Moore to Jal #1	
			NVIRONME EU	NTAL SERV NICE, NM		Ĩ	Location: UL-F of Section 16, Township 17 South, Range 37 East	
			505-	-394-3481			Boring Number: MW-3 Surface Elevation: 3,767.18	
	<u>e</u>	2	Į gu	gs ~	0 is		Start Date: 10/24/04 Time: 0800	
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 10/24/04 Time: 1800	
S E	S	8:5	Š	8	⊃ S		Description	
						<u> </u>		
0936	cs	48	Dry	75.4	SP	_	Bottom 12" is indurated, tan SAND	—
	ļ					4	o	
						<u></u>		
0040		34	Dry/			 -		
0949	cs	24	Dry/ Damp	144	SP	_		
						- 	5	_
	<u> </u>		1			_ '	3	
								_
0954	cs	60	Dry/ Damp	216	SP	_		
						_		—
						5	0	
								_
1000	cs	60	Dry/ Damp	350	SP		Slight HYDROCARBON ODOR	_
						_		
						5	5	
						_		-
1009	cs	60	Dry/ Damp	1,653	SP	<u> </u>	Slight HYDROCARBON ODOR	-
						_		
		<u> </u>				6	0	
						_		_
1019	CS	60	Wet	534	SP	_	Strong HYDROCARBON ODOR,	
				,	J.	_	slight hydrocarbon sheen on probe surface	-
]		 6:		-
					_			
							Coherenda de la POUL de la Maria	_
1034	CS	48	Wet	740	SP	<u> </u>	Saturated with PSH and Water	_
					İ	_	_	_ \
		 			···	7	0	

						Log	Of Test Borings (NOTE - Page 3	of 3)
							Project Number: Plains All American Pipeline - 2002-10270	
	1			ITAL P		с. Т	Project Name: 8-Inch Moore to Jal #1	
*			NVIRONME	ED LAND FA		⊢	Location: UL-F of Section 16, Township 17 South, Range 37 East	
				INICE, NM -394-3481		F	Boring Number: MW-3 Surface Elevation: 3,767.18	
3± 0)		Γ.	<u> </u>	T "		L		
Sample # and Time	Sample Type	Recovery (inches)	ture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Start Date: 10/24/04 Time: 0800 Completion Date: 10/24/04 Time: 1800	
Sam	β.	Reco (inct	Moisture	Reg P	S.y	Del (fe	Completion Date: 10/24/04 Time: 1800 Description	
				†			0000 (p.10)	
			ļ ļ			Y		
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						7	5	
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							00	_
						0		
							End of Boring at 83'	_
						8	5	
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								_
						9		
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								_
						9	5	
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						10		
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L	Wat			urements			Drilling Method: Air Rotary 10.25" OD	
Date	Tim	_ D	mple epth	Casing Depth	Cave—i Depth	n Wo	evel	
)/24/04)/29/04	150	0	_		=		Backfill Method: MW-3 Installed	
						上"	Field Representative: JR	

Monitoring Well Construction Information

Job No.: <u>2002-10270</u> Job Name: <u>8-Inch Moore to Jal #1</u> Boring / Well No. <u>MW-3</u> Date: 10/23/04 Field Representative: JR State Unique Well No. NA Height <u>2.80'</u> T.O.C. Elev. <u>3,769.96</u> Height ____2.78' 1) Protective Casing Yes No Yes No Locking Protective Posts Yes No Concrete Pyramid No Depth ___ 2) Concrete Seal Depth ____ 3) Type of Surface Seal if Installed 28 bags of Bentonite Plug 4) Solid Pipe Type PVC Solid Pipe Length 63 Joint Type Slip/Glued or Threaded <u>Threaded</u> Type of Backfill Bentonite Plug 5) Type of Lower Seal if Installed <u>Bentonite Plug</u> Depth _ Screen Type P.V.C.
Screen Length 20 61' Depth_ Slot Size _ Length _____20 Depth ___63' Screen Diameter __4 8) Type of Backfill around Screen 15.5 bags of 12/20 sand 9) Type of Backfill Native Soils 10) Drilling Method 6.25" I.D. H.S.A. 11) Additives Used if any <u>Water</u> Depth ___83' 12) Borehole Diameter 10.25" O.D. in. Depth <u>83</u>

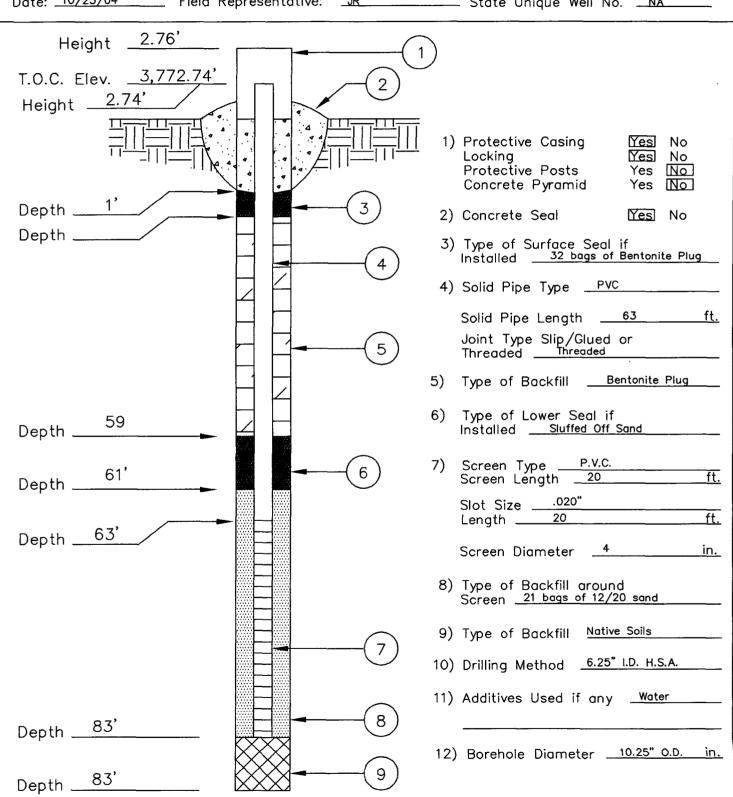
Sample # and Time	Sample Type	STATE	APPROVI NVIRONME EU	ITAL P ED LAND FA INTAL SERV INICE, NM		IC.	Project Number: Plains All American Pipeline - 2002-10270		
Sample # and Time		STATE	APPROVI NVIRONME EU	ED LAND FA INTAL SERV INICE, NM		ıc. İ			
Sample # and Time	Sample	E	NVIRONME EU	NTAL SERV INICE, NM	AKM ANU	NC. Project Name: 8—Inch Moore to Jal #1			
Sample # and Time	Sample Type	very les)			ICES		Location: UL-F of Section 16, Township 17 South, Range 37 East		
Sample # and Time	Sample Type	very es)		-394-3481		Ì	Boring Number: MW-4 Surface Elevation: 3,770.00'		
Sample and Tir	Sample Type	es) ke		w			Start Date: 10/22/04 Time: 0850		
San	გ⊢ ——	ا ہ ج	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 10/22/04 Time: 1745		
		Rec (inc	Mois	Rec	S.U.S	<u> </u>	Description		
1						_	0.5' Sandy Loam Topsoil		
						<u> </u>		_	
						-	CALICHE, White to Tan, Soft to Indurated	-	
						_		-	
						-5		-	
						1	0		
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						<u> </u>	5		
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=									
							0		
						<u>_</u>	Tan to Red Brown, Soft, Fine to Medium-Grained SAND		
						<u> </u>	with some trace SILT, CLAY and PEBBLES	_	
0923	CS	24	Dry	153	SP	-		_	
						<u> </u> -		-	
						 2	5		
						-		-	
0933	cs	24	Dry	18.3	SP	_			
						_ 3	0		
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0944	CS	36	Dry	155	SP	<u> </u>		_	
								-\	
				 		3	5		

						Log	Of Test Borings (NOTE — Page 2	of 3)
				*			Project Number: Plains All American Pipeline - 2002-10270	
		ENVIR	ONMEN	TAL P	LUS, IN	1C.	Project Name: 8—Inch Moore to Jal #1	
		E	NVIRONME EU	NTAL SERV NICE, NM	ICES		Location: UL-F of Section 16, Township 17 South, Range 37 East	
			505-	-394-3481		Ī	Boring Number: MW-4 Surface Elevation: 3,770.00'	
e#	o o	25		S	vi =]	Start Date: 10/22/04 Time: 0850	
Sample # and Time	Sample Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 10/22/04 Time: 1745	
Sar	<i>ι</i> δ΄	\$. <u>=</u>	Š	ag C	⊇.ω	۵۵	Description	
						H		
0949	cs	36	Dry	120	SP	-		_
0949	CS	30	Dry	120) SF			_
						L ₄		-
		}						
						<u></u>	Middle 15" indurated	
0956	CS	60	Dry	67.3	SP	_	Mildale 15 Indurated	_
						⊣		
			 	<u> </u>		 ⁴	5	
								_
1003	CS	36	Dry	254	SP			_
								_
		<u> </u>				5	0	
					;			****
1009	cs	48	Dry	186	SP		Sandstone fragments present	_
			- '					
						5	5	_
					_			
								_
1021	CS	53	Dry	249	SP	L		
		,				<u> </u>		
						6		
								_
1029	cs	60	Moist	820	SP		Bottom 1' has a Strong HYDROCARBON ODOR	
						_		_
		-				6	5	
				<u> </u>		_		
1040	CS	50	Moist	596	SP	_	al Improved Province	
,0+0	Ų3	30	WIOIST	290	3F	<u> </u>	Strong HYDROCARBON ODOR	 ,
						7:		-

						Log (Of Test Borings (NOTE — Page 3 of 3
		- ,					Project Number: Plains All American Pipeline - 2002-10270
	E			ITAL P		c.	Project Name: 8-Inch Moore to Jal #1
			NVIRONME	ED LAND FA		-	Location: UL-F of Section 16, Township 17 South, Range 37 East
				INICE, NM 394-3481		-	Boring Number: MW-4 Surface Elevation: 3,770.00'
	T		}	T 1		L.	
- Light	e de	very es)	ure	m jings	C.S.	≨ਦ	Start Date: 10/22/04 Time: 0850
Sample # and Time	Zampie Type	Recovery (inches)	Moisture	PID Readings (ppm)	U.S.C.S. Symbol	Depth (feet)	Completion Date: 10/22/04 Time: 1745
00			2				Description
							_
1051	cs	36	Wet	447	SP	_	Slight HYDROCARBON ODOR
						_	Slight Hibrocarbon obor
						7!	5
						_	
						_	_
						80	o
ĺ						_	_
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				<u> </u>			
							End of Boring at 83'
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						 90	
	İ						_
						95	5
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	ļ					100	o
						—	_
	Wat			urements			Delling Mathed Air Batter 40.25" CD
Date	Tim	e Sa	mple epth	Casing Depth	Cave-i Depth	n Wa	ter Drilling Method: Air Rotary 10.25" OD
0/22/04	150		-	_			Backfill Method: MW-4 Installed
0/29/04	_		-			71	.07 Field Representative: JR

Monitoring Well Construction Information

Job No.:2002-10270Job Name:8-Inch Moore to Jal #1Boring / Well No.MW-4Date:10/23/04Field Representative:JRState Unique Well No.NA

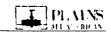


APPENDIX C

INFORMATIONAL COPIES OF

SITE INFORMATION AND METRICS FORM

AND INITIAL C-141



		Incident Date:	NMOCD Notified	l:
FOTT Site I	nformation and Metrics	10-18-02 @ 10:00 AM		AM Pat McCasland EPI left
EOII SIE II	mormation and Metrics			Sheeley and sent page to the "ON-
COMPET OF LA	T- 1 Lt1		CALL" representa	
SITE: 8" Mod		Assigned	Site Reference #: 2	3002-10270
Company: E				
	s: PO Box 1660	^		
Mailing Addre	ess: 5805 East Highway 8 p: Midland, Texas 7970	10		
	e: Frank Hernandez	02		
Representative		700		
Telephone:	e reteptione: 913.036.3	177		
	released (bbis): 200 bbis	P	ecovered (bbls): 0 bl	nle .
Fidia volume i		NMOCD verbally within 24 hrs		
	(Als	so applies to unauthorized release	s >500 mcf Natural Gas)	•
		within 15 days (Also applies to	unauthorized releases of	50-500 mcf Natural Gas)
	Pit (LSP) Name: 8" M			
	amination: 8" Steel Pipel			
	i.e., BLM, ST, Fee, Other	: State of New Mexico		
LSP Dimensio				
LSP Area:	8,000 sqft ft ²			
Location of Re	eference Point (RP):			
Location dista	nce and direction from R	P:		
	32° 50' 12.36"N			
	03° 15` 26.234"W.	······································		
	ve mean sea level:			
	th Section Line:			
	t or ¼¼: SE¼ of the NW	71/. Timit T	etter: F	
Location- Sect		Omt L	etter: F	
Location- Tow				
Location- Ran				
Location- Nan	ge. 137E			
Surface water	body within 1000 ' radiu	s of site: none		
	body within 1000 'radiu			
	r wells within 1000' radio			
	r wells within 1000' radio			
	ater wells within 1000' ra			
	ater wells within 1000' r			· · · · · · · · · · · · · · · · · · ·
Public water s	upply wells within 1000'	radius of site: none		
Public water s	upply wells within 1000'	radius of site:		
Depth from la	nd surface to ground wat	er (DG): ~66 feet		
	mination (DC): ?			
	nd water (DG - DC = DtC)	GW): <50 feet		
	Fround Water	2. Wellhead Pro	tection Area	3. Distance to Surface Water Body
	<50 feet: 20 points	If <1000' from water sou	rce, or;<200' from	<200 horizontal feet: 20 points
If Depth to GW	50 to 99 feet: 10 points	private domestic water s	ource: 20 points	200-100 horizontal feet: 10 points
-	·····	If >1000' from water sou	rce, or; >200' from	>1000 horizontal feet: 0 points
It Debru to GM	>100 feet: <i>0 points</i>	private domestic water se		
Ground water .		Wellhead Protection Ar	ea Score= 0	Surface Water Score= 0
Site Rank (1+2				
		te Ranking Score and Ac		
Parameter	>19		-19	0-9
Benzene ¹	10 ppm		pm	10 ррт
BTEX	50 ppm		opm	50 ppm
TPH	100 ppm) ppm	5,000 ppm
100 ppm field	VOC headspace measuren	ent may be substituted for	lab analysis	



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

Form C-141 Revised October 10, 2003

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

Release Notification and Corrective Action

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

OPI	ERATOR	<u> </u>					🗵 Initia	al Report	☐ Final R	eport
Name of Cor			can Pipel	ine, L. P. (fo	ormerly	Contac	t: Frank He	rnandez		, , ,
Link Energy	and EOTT)									
Address:	5905 Tank	TTialarrar 90 h	didland !	Tarrag 70701	7	915.638	one No.:			
PO Box 1660 Facility Nam		riignway 80 r	viidiand,	1exas /9/0.	۷	Facility				
8" Moore to J							l Pipeline			
Surface Own				Min	eral Ow	ner:			Lease N	lo.:
State of New	Mexico									
	· · · · · · · · · · · · · · · · · · ·			LOCATION						
Unit Letter	Section	Township	Range	Feet from the	North	South Line	Feet from the	East/West Line	County	
16	16	T17S	R37E	uie			ale	Lane	I	2° 50' 12.36''N 03° 15' 26.234''W
			<u> </u>	<u> </u>			L,		Lon. 1	05° 13 20.234 W
				NATUR	E OF	RELEAS				
Type of Relea: Crude Oil	se:					Volume of 200 bbls			Volume Rec	
Source of Rele	ease:						Hour of Occu	rrence:		our of Discovery:
8" Steel Pipelir						EOTT			10-18-02@	8:00 AM
Was Immedia	ite Notice Gi	ven? ⊠ Ye:	s 🗌 No	☐ Not Re	quired	If YES, To Paul Sheek				
By Whom?						Date and I	lour			·
Pat McCasland	L EPI									age with Paul
Was a Waterc	ourse Reach	red? Yes	⊠ No					the "ON-CAI	LL" representa	tive
If a Watercou				NI A		11 125, 11				
ii a watercou	n et was imp	acteu, Describ	e r uny."	IVA						
							l be delineated	l to determine	the vertical ar	nd horizontal extents
or contamination	on. Contami	nated soil will b	oe biended	on site or dis	sposed of					
										i horizontal extents
								15m = 1000 m	g/Kg, Benzen	e = 10 mg/Kg, and
BIEX, i.e., the	e mass sum o	f Benzene, Ethy	yl Benzene	, Toluene, an	id Xylene	s = 50 mg/Kg	3.			
I hereby certify	y that the info	rmation given	above is tr	ue and comp	lete to the	best of my k	nowledge and	l understand ti	nat pursuant to	NMOCD rules and
regulations all	operators are	required to rep	ort and/or	file certain re	elease not	ifications and	d perform con	ective actions	for releases w	hich may endanger
										operator of liability
										ce water, human
other federal, s				eptance of a c	J-141 rep	ort does not	reneve me ope	erator of respo	nsibility for co	ompliance with any
Signature:	,		y	.			OIL CO	NSERVA	TION DI	VISION
						_				
Printed Name	: Frank Herr	nandez				Approv	ed by District	Supervisor:		
						Anneov	al Date:		Expiration	D-4.
Title: District	Environmen	tal Supervisor				Approv			Expiration	Date:
	Environmen	tal Supervisor	Phone:	015.638.3799			ons of Appro	val:	<u> </u>	Attached



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

October 16, 2005

Ms. Camille Reynolds Plains All American Pipeline, L.P. 3112 West U.S. Highway 82 Lovington, NM 88260

Re:

Soil Remediation Work Plan Dated June 24, 2005

Plains Pipeline, L.P. 8" Moore to Jal #1 Site (Ref. 2002-10270)

SE/4 NW/4 of Sec. 16, Twp 17 South, Rng 37 East

Lea County, New Mexico NMOCD Ref. 1R-0380

Dear Ms. Reynolds:

The New Mexico Oil Conservation Division (NMOCD) has received and reviewed the work plan shown above prepared for Plains All American Pipeline, L.P. (Plains) by Llano-Permian Environmental. The work plan is approved with the following understandings and conditions:

- 1. Activities described under the heading "Sampling Activities" of the plan are acceptable to the NMOCD.
- 2. Prior to backfilling and subsequent restoration activities a report will be submitted to the NMOCD showing all sampling analyses results and modeling results described under the heading "Modeling Activities" of the plan.
- 3. Restoration activities will be expanded upon in the future report.
- 4. Aeration of the soils in the stockpile will continue in the interim.

If you have any questions, contact me at (505) 476-3492 or ed.martin@state.nm.us

NEW MEXICO OIL CONSERVATION DIVISION

Edwin E. Martin

Environmental Bureau

Il Martin

Copy: Larry Johnson, NMOCD, Hobbs



AMARILLO, TX

921 North Bivins Amarillo, TX 79107 806-467-0607 FAX: 806-467-0622

AUSTIN, TX

13009 Dessau Road Suite A Austin, TX 78754 512-989-3428 FAX: 512-989-3487

MIDLAND, TX

#9 East Industrial Loop Midland, TX 79701 432-522-2133 FAX: 432-522-2180

NEW BRAUNFELS, TX

707 N. Walnut Ave., Suite 208 New Braunfels, TX 78130 210-579-0235 FAX: 210-568-2191

TULSA, OK

1439 East 41st Street Tulsa, OK 74105 918-742-0871 FAX: 918-742-0876

HOBBS, NM

318 East Taylor Street Hobbs, NM 88240 505-393-4261 FAX: 505-393-4658

Zuciniaminte.

<u>Diologists</u>

<u>Shemists</u>

Corrective Action

<u>Project Menagers</u>

<u>Sugineers</u>

<u>Geologists</u>

<u>Colentists</u>

Toll Free: 866-742-0742 www.llano-permian.com June 24, 2005

Mr. Edwin E. Martin New Mexico Oil Conservation Division Environmental Bureau 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Re: Soil Remediation Work Plan

Plains Pipeline, L.P.

8" Moore to Jal #1 (Rcf #2002-10270)

SE/4 NW/4 of Section 16, Township 17 South, Range 37 East

Lea County, New Mexico NMOCD Ref. 1R-0380

Mr. Martin:

The 8" Moore to Jal #1 release site is located approximately 9.1 miles southeast of Lovington in Lea County, New Mexico, at an elevation of approximately 3,770 feet above mean sea level. The release occurred on property owned by the State of New Mexico and is utilized as pasture land. The site is located in a rural area within the West Lovington Oil Field, with no residences or surface water within a 1,000-foot radius of the facility.

In October 2002, a release of approximately 200 barrels of crude oil, of which there was no recovery, occurred at the site due to corrosion (internal and/or external) of the pipeline. Approximately 8,000 square feet (ft²) of surface area was impacted by the release. Surficial soil saturated by the release was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm for treatment.

The details of the soil remediation and sampling activities are described in the attached Soil Remediation Work Plan. If you have any questions feel free to contact me at (505) 441-4835 or by E-mail at lsanchez@llano-permian.com. Thank you very much.

LLANO-PERMIAN ENVIRONMENTAL

Louis B. Sanchez Project Manager

Cc: Camille Reynolds, Plains All American Pipeline, L.P. Jeff Dann, Plains All American Pipeline, L.P.



AMARILLO, TX

921 North Bivins Amarillo, TX 79107 806-467-0607 FAX: 806-467-0622

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13009 Dessau Road Suite A Austin, TX 78754 512-989-3428 FAX: 512-989-3487

MIDLAND, TX

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HOBBS, NM

318 East Taylor Street Hobbs, NM 88240 505-393-4261 FAX: 505-393-4658

<u>Invitormental:</u>

Biologists
Chemists

Corrective Action Project Managers

<u>Engineers</u> Geologists

Scientists

Toll Free: 866-742-0742 www.llano-permian.com

8" Moore to Jal #1 Soil Remediation Work Plan

Plains Ref: 2002-10270 SE¼ of the NW¼ of Section 16, Township 17 South, Range 37 East Lea County, New Mexico

~9.1 Miles Southeast (136°) of Lovington, Lea County, New Mexico Latitude: N32° 50' 13.8" Longitude: W103° 15' 25.3"

June 2005

Prepared For:



333 Clay Street, Suite 600 Houston, TX 77002

Prepared By: Llano-Permian Environmental 318 East Taylor Street Hobbs, New Mexico 88240

Distribution List

No.	15:47	Company or	Marilian A delica	lion o
Ivallic	anır	Agency	Maining Audi ess	C-man
Ed Martin	Environmental Engineer	NMOCD	1220 South St. Francis Drive Santa Fe, NM 87505	emartin@state.nm.us
Larry Johnson	Environmental Engineer	NMOCD	1625 French Dr. Hobbs, NM 88231	lwjohnson@state.nm.us
Camille Reynolds	Remediation Coordinator	Plains All American Pipeline	3112 West U.S. Hwy 82 Lovington, NM 88260	cjreynolds@paalp.com
Jeff Dann	Senior Environmental Specialist	Plains All American Pipeline	P. O. Box 4648 Houston, TX 77210-4648	jpdann@paalp.com
Daniel Bryant	Environmental Specialist	Plains All American Pipeline	P. O. Box 3119 Midland, TX 79702-3119	dmbryant@paalp.com
File		LPE	318 East Taylor Street Hobbs, New Mexico 88240	lsanchez@llano-permian.com

NMOCD - New Mexico Oil Conservation Division LPE - Llano-Permian Environmental

SOILS REMEDIATION WORK PLAN

Introduction

The 8" Moore to Jal #1 release site is located approximately 9.1 miles southeast of Lovington in Lea County, New Mexico, at an elevation of approximately 3,770 feet above mean sea level. The release occurred on property owned by the State of New Mexico and is utilized as pasture land. The site is located in a rural area within the West Lovington Oil Field, with no residences or surface water within a 1,000-foot radius of the facility (Figure 1).

In October 2002, a release of approximately 200 barrels of crude oil, of which there was no recovery, occurred at the site due to corrosion (internal and/or external) of the pipeline. Approximately 8,000 square feet (ft²) of surface area was impacted by the release. Surficial soil saturated by the release was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm for treatment.

In an effort to delineate the extent of impacted soil at the site, six (6) soil borings were advanced, by Environmental Plus, Inc. (EPI), at the site to depths ranging from 15 to 60 feet below ground surface (bgs) in October 2002 (Figure 2). Field analysis of soil samples collected at discreet intervals indicated organic vapor concentrations exceeded 100 parts per million (ppm) at least to a depth of 55 feet bgs in soil boring BH-1 (Table 1).

Excavation activities commenced at the site by EPI in June 2003 in order to remove soil impacted above the New Mexico Oil Conservation Division (NMOCD) remedial thresholds. Approximately 2,800 cubic yards of soil were excavated and run through a screener to separate the rock from the soil. After the soil and rock had been separated, the soil (approximately 950 cubic yards) was spread out into two land treatment areas and the rock was stockpiled on site. Upon the completion of excavation activities, composite samples were collected from the north sidewall, south sidewall, east sidewall, west sidewall and bottom of the excavation to document the successful removal of soil impacted above NMOCD remedial thresholds (Figure 2). Laboratory analysis of the samples indicated soil impacted above the NMOCD remedial thresholds remained in all sampling locals, with the exception of the west sidewall (Table 2).

EPI installed one (1) monitor well in July of 2004, one (1) monitor well in September of 2004, and three (3) monitoring wells in October of 2004 (Figure 2). Soil samples were collected from MW-1, 2, 3 and 4 at various horizons during the boring process of the well installation. No soil samples were collected during the boring of MW-1A due to its close proximity to MW-1. The majority of the samples collected exceeded the NMOCD thresholds for the various analytes (Table 1).

As a result of the presence of phase separated hydrocarbons (PSH) in each monitoring well EPI performed PSH recovery activities from September of 2004 to April of 2005. In May of 2005, Llano-Permian Environmental (LPE) took over the PSH recovery activities. In an effort to accelerate the PSH recovery at the 8" Moore to Jal #1 site, LPE began bi-weekly PSH recovery upon commencement of PSH recovery activities in May. Approximately seventy (70) gallons of PSH has been recovered on a weekly basis since the middle of May 2005.

The land treatment areas were sampled by EPI on December 15, 2004, in conjunction with the weekly site visit. Sampling results indicated contaminant levels in the land treatment area soil were above the NMOCD remedial thresholds for this site (Table 3). The land treatment areas have been turned to aerate the soils and accelerate the TPH degradation since the last sampling event and will continue until the implementation of the restoration activities that are generally described in the "Restoration Activities" section of this work plan. Sampling of the land treatment areas is slated for late June of 2005.

Excavation Activities

Due to the evidence of the excavation confirmation composite sampling (Table 2), the east sidewall of the excavation will be cut back an additional two feet (2'), and the north and south sidewalls will be cut back an additional one foot (1') (Figure 4). At that point a photo ionization detector (PID) will be used to determine if any portion of the three (3) sidewalls have remaining contaminated soil that requires excavation. If and when areas of concern are identified with the PID, they will be excavated until an acceptable PID reading (<100 ppm) is established in that area. The soils removed from the excavation will be placed in one of the land treatment areas. Large rocks removed from the east sidewall will be placed in the on-site rock pile.

Once no areas of concern are detected with the PID on the excavated sidewalls, then grab confirmation samples will be collected as outlined in the "Sampling Activities" section of this work plan. No excavation will be performed on the excavation floor or west side wall. Prior sampling activities have shown the west sidewall to be below the NMOCD Remedial Threshold of 100 mg/kg. Additional grab confirmation samples will be collected on the excavation floor as outlined in the "Sampling Activities" section of this work plan.

Sampling Activities

Confirmation grab samples will be collected on the east, north and south sidewalls, as well as the excavation floor after the completion of excavation activities on the east, north and south sidewalls (Figure 3). The confirmation samples on the excavation floor will be grab samples collected from a predetermined grid. The grid will be laid out as two (2) rows of six (6) samples running the length of the excavation. The samples in each row will be fifty feet (50') apart. The end samples will be thirty-five feet (35') from the north and south sidewalls.

The confirmation samples collected from the north, east, and south sidewalls will also be grab samples. On the east sidewall, four (4) grab confirmation samples will be collected along the length of the excavation. The sampling locations will be approximately one hundred and fifteen feet (115') apart with the first and last samples being collected at the corner of the north and south sidewalls respectively. The general sampling locations along the east sidewall will be screened in the field with the PID. Following the field screening activities the east sidewall samples will be collected from the location of the maximum PID reading or at the base of the excavation wall if no PID readings are detected.

The north and south sidewalls will each have one (1) grab confirmation sample collected in addition to the first and last sample of the east sidewall. The north and south sidewalls will be

screened in the field with the PID. Following the field screening activities the additional north and south sidewall samples will be collected from the location of the maximum PID readings or on the west end at the base of the excavation sidewall if no PID readings are detected.

A total of eighteen (18) confirmation grab samples will be collected throughout the excavation. Each sample collected will be analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) by SW-846 method 8021, and total petroleum hydrocarbons (TPH) by SW-846 method 8015. Each sample will be collected using new disposable sampling equipment for each sample to prevent cross contamination. Any non-disposable sampling equipment that is used will be stainless steel, and will be decontaminated using a phosphate free surfactant and de-ionized water before the collection of each sample.

This section is submitted as a finalized sampling plan following the excavation activities, contingent on the approval of the NMOCD. Any changes requested by the NMOCD will be incorporated into the sampling activities of this work plan prior to implementation.

Soil Disposal Activities

No disposal activities are proposed at this time. All soils onsite will be placed back in the excavation, on top of the twelve millimeter (12 mill) black-on-black rock grade poly ethylene liner, as backfill. These activities are outlined in the "Restoration Activities" section of this work plan.

Modeling Activities

Prior to backfill activities a soil migration model will be run to evaluate the migration characteristics of the soils underneath the proposed liner. The installation of the liner is described in the "Restoration Activities" section of this work plan for illustration purposes. Current, historical, and the new data collected as part of this work plan will be utilized and evaluated in the model.

A seasonal compartment model, which simulates long-term pollutant fate and migration in the unsaturated soil zone, will be utilized to describe the following components of the site specific soil column which extends from the ground surface to the ground-water table.

- Pollutant concentrations and masses in the soil
- Pollutant migration to ground water.

The model will estimate all the above components on a monthly basis for 999 years of simulation time to perform a long-term leaching study. The following pollutant fate processes will be accounted for: Volatilization, Adsorption, Cation Exchange, Biodegradation, Hydrolysis, and Complexation.

Restoration Activities

Prior to the initiation of the restoration activities, MW-1 will be plugged and abandoned according to the guidelines described by Mr. Edwin Martin in his April 14, 2005 letter concerning the recommendation in the 2004 Annual Monitoring Report. MW-1A will be extended to a level above the top of the excavation, and the top of casing will be re-surveyed. With the monitoring well extended to a level accessible after the backfill activities, the bottom of the excavation will be filled with an even six inch (6") layer of sand. A twelve millimeter (12 mill) black-on-black rock grade polyethylene liner will then be placed on the sand covering the base of the excavation. A small hole will be cut through the poly to encompass MW-1A which will be left in the excavation. Clay packing material will be utilized to seal the opening in the poly around the monitor well casing. An additional six inch (6") layer of sand will be placed on top of the poly.

With the poly liner in place, backfill of the excavated materials will begin. A layer of the rock material will first be carefully placed back in the excavation. Then a layer of the soils from the land treatment area will be placed on top of the first rock layer. The two layers will then be properly compacted. This alternating of layers and compacting activities will continue to the top of the excavation taking great care to insure the integrity of MW-1A and the pipeline. Only soils, no rock, will be place in the proximity of either the pipeline or MW-1A. Clean backfill will be used in during the backfill activities as needed.

Conclusion

Prior to any site restoration activities, the results of the additional excavation activities and confirmation soil sampling activities, as well as the modeling exercise will be presented to the NMOCD. Upon concurrence from the NMOCD that all soils activities are complete, a more detailed site restoration plan will be prepared and submitted to the NMOCD. The restoration activities presented in this plan are for informational purposes only. Soil aeration activities in the land treatment areas will continue until such time that the restoration activities commence.

Signatures

Written By:

Louis B. Sanchez Jr. B.S

Project Manager

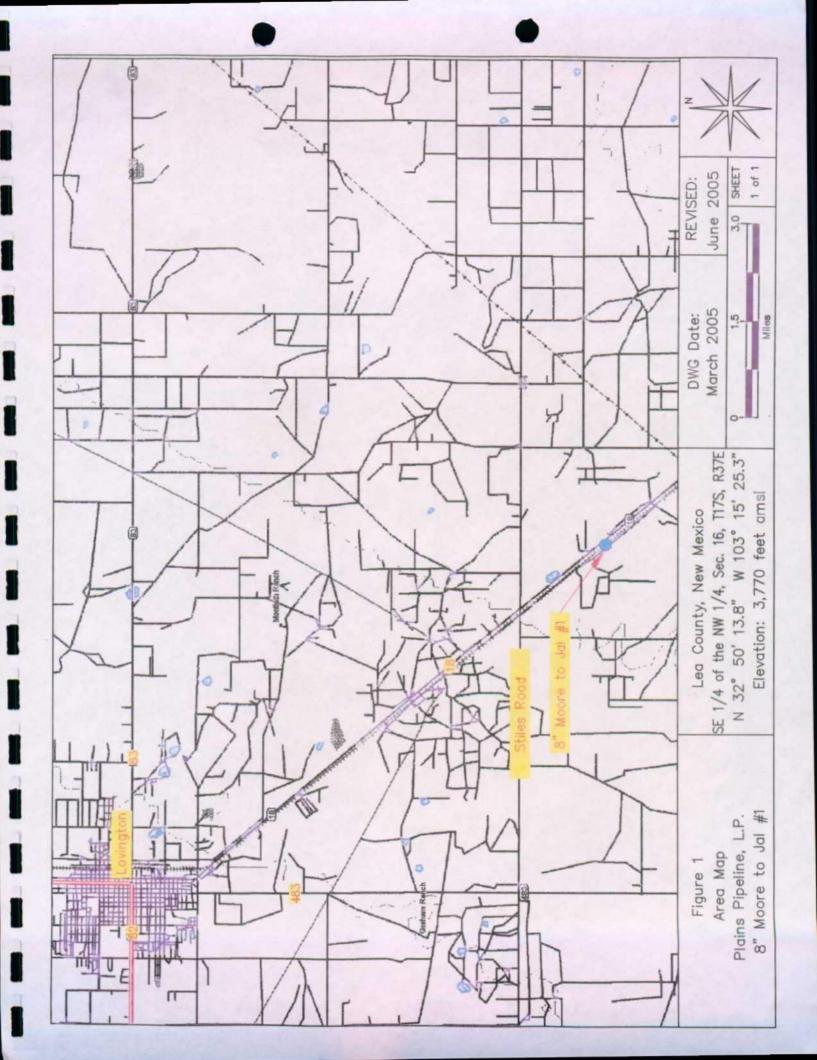
Llano-Permian Environmental

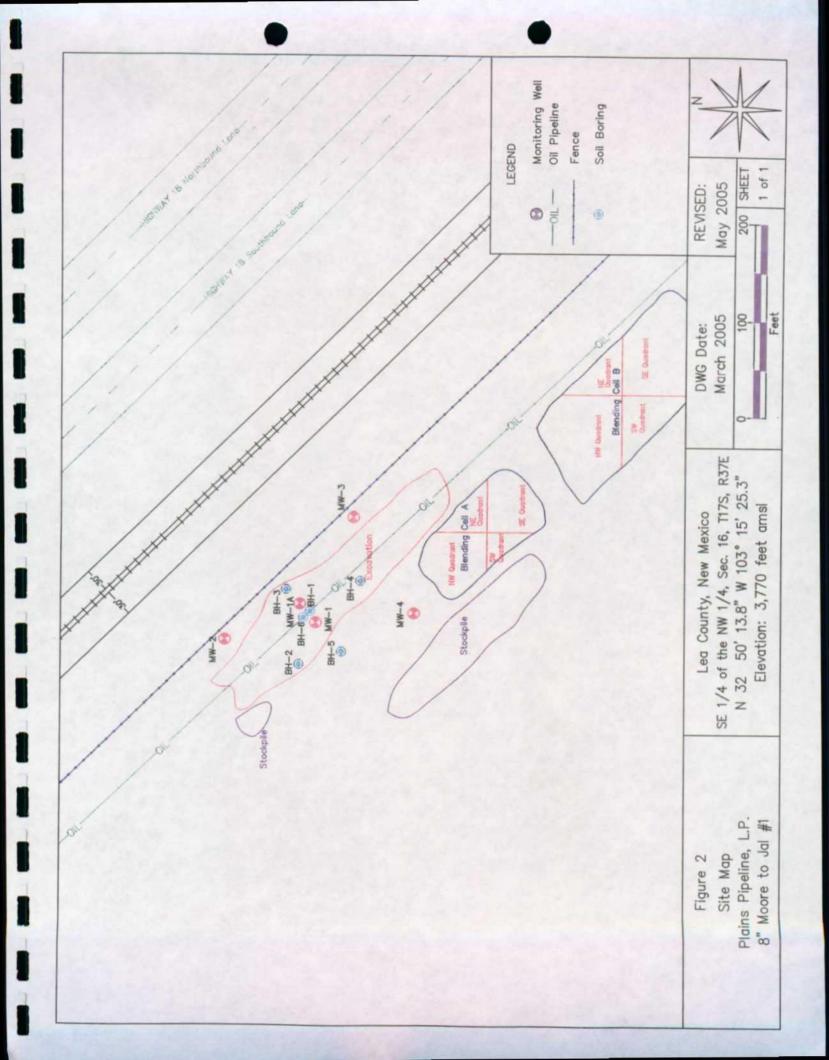
Reviewed By:

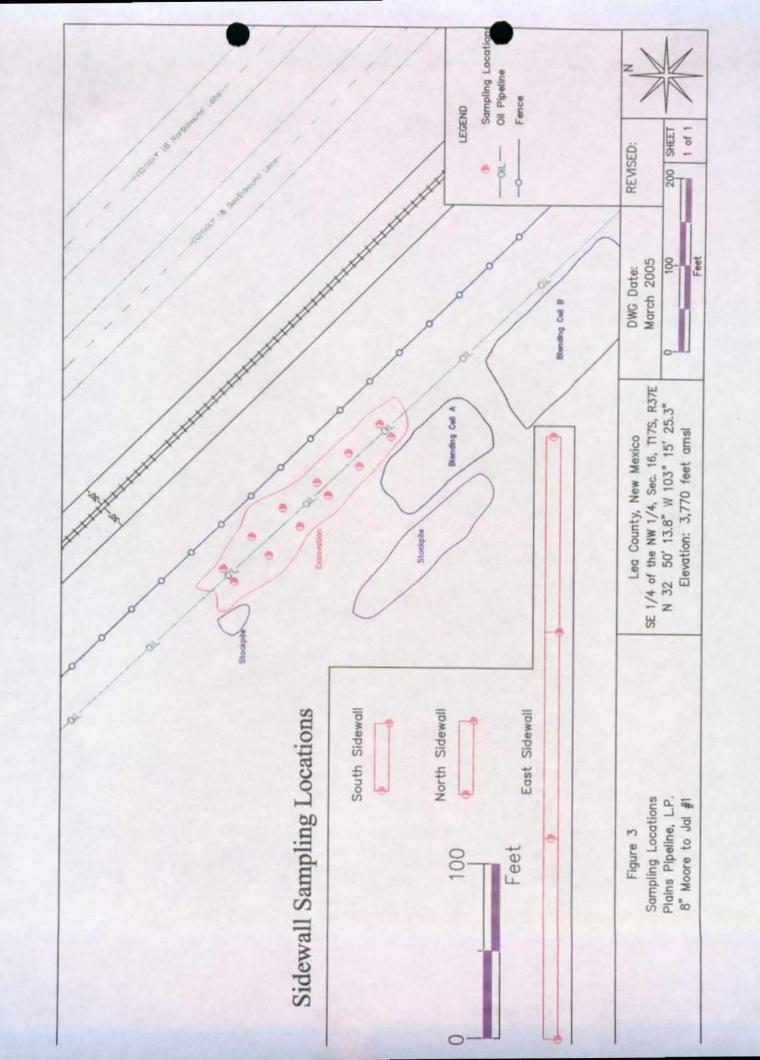
Terry James B.S., M.S. Senior Project Manager

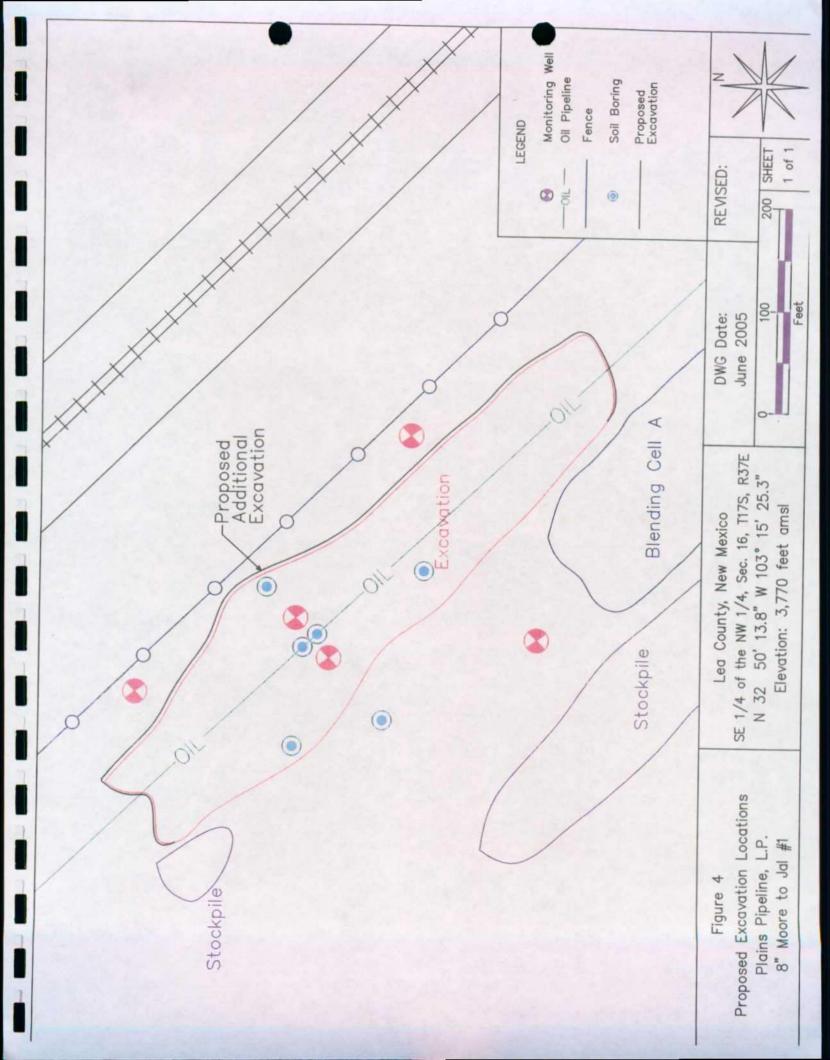
Llano-Permian Environmental

Figures

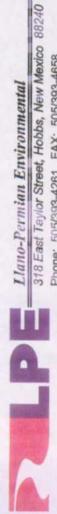








Tables



Phone: 505/393-4261, FAX: 505/393-4658

Table 1

SUMMARY OF ENVIRONMENTAL BORING RESULTS (SOIL)

Plains All American Pipeline, LP. - 8" Moore to Jal #1 - Ref #2002-10270

Total TPH	12760	21360	18220	17590	27800	27000	34200	19940	17080	33500	65600	182500	<10	<10	<10	<10	<10	<10	28000	34700	NS	25100	NS	36400
(as diesel)	5950	0966	9220	8140	13400	10400	17400	11500	8180	12700	25200	79500	<5	<>	<>	\$>	<>	<>	10900	11900	NS	10400	SN	15800
(as gas)	6810	11400	0006	9450	14400	16600	16800	8440	8900	20800	40400	103000	<5	5>	<5	<>	<>	<5	17100	22800	NS	14700	NS	20600
Total BTEX	497	750	743	781	1,347	1024	929.9	504.2	647.4	1584	2221	4114	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1644	1494	NS	869.2	NS	1393
o-Xylene	59.2	89.1	92.1	85.2	142	109	113	68.7	82.2	169	223	496	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	151	160	NS	100	NS	163
m,p- Xylenes	151	227	225	217	359	285	292	164	207	429	563	1180	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	374	395	NS	262	NS	420
Ethyl- benzene	88.6	142	165	150	251	174	157	86.5	118	255	341	689	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	300	270	NS	135	NS	228
Toluene	168	256	241	290	200	342	302	153	210	572	608	1300	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	628	464	NS	296	NS	442
Benzene	29.7	35.9	19.8	38.7	94.6	114	62.9	32	30.2	159	285	644	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	161	175	NS	76.2	NS	140
PID Readings	695	505	306	1,350	1,223	682	510	1,583	384	589	485	NA	1.6	2.9	3.1	1.6	2.9	1.3	46.4	225	3.3	NA	3.0	NA
Soil						BH.1	1-110							BH-2		-	BH-3				BH-4			
Sample	23-Oct-02 B													24-Oct-02			24-Oct-02				24-Oct-02			
Sample ID	SE8M102302BH1 (5-7)	SE8M102302BH1 (10-12)	SE8M102302BH1 (15-17)	SE8M102302BH1 (20-22)	SE8M102302BH1 (25-27)	SE8M102302BH1 (30-32)	SE8M102302BH1 (35-37)	SE8M102302BH1 (40-42)	SE8M102302BH1 (45-47)	SE8M102302BH1 (50-52)	SE8M102302BH1 (55-57)	SE8M102302BH1 (60-62)	SE8M102402BH2 (5-7)	SE8M102402BH2 (10-12)	SE8M102402BH2 (15-17)	SE8M102402BH3 (5-7)	SE8M102402BH3 (10-12)	SE8M102402BH3 (15-17)	SE8M102402BH4 (5-7)	SE8M102402BH4 (10-12)	SE8M102402BH4 (15-17)	SE8M102402BH4 (20-22)	SE8M102402BH4 (25-27)	SE8M102402BH4 (30-32)

NS	15740	47500	30000	<10	<10	<10	<10	<10	<10	NA	NA	8,160	NA	NA .	NA	14,200	NA	NA	NA	NA	NA	5,150	<10.0	NA	NA	NA	<10.0	NA	NA	17,900	NA	NA	17.4	NA	NA	NA
NS	0029	18000	14900	\$	\$	<5	\$	<>	<>	NA	NA	3,950	NA	NA	NA	6,450	NA	NA	NA	NA	NA	2,870	<10.0	NA	NA	NA	6.594	NA	NA	9,390	NA	NA	17.4	NA	NA	NA
NS	9040	29500	15100	\$	<>	<5	<>	<5	<5	NA	NA	4,210	NA	NA	NA	7,710	NA	NA	NA	NA	NA	2,280	<10.0	NA	NA	NA	<10.0	NA	NA	8,550	NA	NA	6.864	NA	NA	NA
NS	715.1	1999	9.9201	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	NA	131	NA	NA	NA	438	NA	NA	NA	NA	NA	80.2	<0.125	NA	NA	NA	<0.125	NA	NA	1.140	NA	NA	<0.125	NA	NA	NA
NS	55.5	961	136	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NA	NA	15.4	NA	NA	NA	45.5	NA	NA	NA	NA	NA	9.56	<0.0250	NA	NA	NA	<0.0250	NA	NA	105	NA	NA	<0.0250	NA	NA	NA
NS	157	486	347	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NA	NA	34.3	NA	NA	NA	94.5	NA	NA	NA	NA	NA	20.0	<0.0250	NA	NA	NA	<0.0250	NA	NA	308	NA	NA	<0.0250	NA	NA	NA
NS	93.6	344	176	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NA	NA	23.3	NA	NA	NA	74.1	NA	NA	NA	NA	NA	13.9	<0.0250	NA	NA	NA	<0.0250	NA	NA	158	NA	NA	<0.0250	NA	NA	NA
NS	291	749	347	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NA	NA	43.6	NA	NA	NA	144	NA	NA	NA	NA	NA	25.1	<0.0250	NA	NA	NA	<0.0250	NA	NA	434	NA	NA	<0.0250	NA	NA	NA
NS	118	224	9.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NA	NA	14.6	NA	NA	NA	80.0	NA	NA	NA	NA	NA	11.6	<0.0250	NA	NA	NA	<0.0250	NA	NA	139	NA	NA	<0.0250	NA	NA	NA
1.7	NA	3.0	1.3	0.0	NA	NA	NA	NA	NA	2,982	2,565	1,574	1,558	1,160	1,049	927	1,125	1,227	2,124	710	906	1,543	62.2	8.65	68.4	53.7	73.3	224	1,838	875	800	12.1	100	40.3	75.4	144
BH-4	con't			BH-5				9-H8								MW-1											MW-2							MW-3		
00 100	70-10Ct-07			25-Oct-02				25-Oct-02								26-Jul-04											23-Oct-04 MW-2							24-Oct-04 MW-3		
SE8M102402BH4 (35-37)	SE8M102402BH4 (50-52)	SE8M102502BH5 (5-7)	SE8M102502BH5 (10-12)	SE8M102502BH5 (15-17)	SE8M102502BH5 (25-27)	SE8M102502BH5 (35-37)	SE8M102502BH6 (5-7)	SE8M102502BH6 (10-12)	SE8M102502BH6 (15-17)	2002-10270 (10-12)	2002-10270 (15-17)	2002-10270 (20-22)	2002-10270 (25-27)	2002-10270 (30-32)	2002-10270 (35-37)	2002-10270 (40-42)	2002-10270 (45-47)	2002-10270 (50-52)	2002-10270 (55-57)	2002-10270 (60-62)	2002-10270 (65-67)	2002-10270 (70-72)	MW-2 (20-25)	MW-2 (25-30)	MW-2 (30-35)	MW-2 (35-40)	MW-2 (40-45)	MW-2 (45-50)	MW-2 (50-55)	MW-2 (55-60)	MW-2 (60-65)	MW-3 (15-20)	MW-3 (20-25)	MW-3 (25-30)	MW-3 (30-35)	MW-3 (35-40)

I

NA									-	-						100
	NA	1,100	NA	5,790	7.84	NA	NA	NA	NA	NA	NA	NA	11,10	NA	165	
NA	NA	481	NA	4,930	<10.0	NA	NA	NA	NA	NA	NA	NA	0,970	NA	81.9	
NA	NA	15.4	NA	715	<0.125	NA	NA	NA	NA	NA	NA	NA	1,310	NA	0.762	50
NA	NA	2.59	NA	58	<0.0250	NA	NA	NA	NA	NA	NA	NA	127	NA	0.0419	
NA	NA	6.64	NA	159	<0.0250	NA	NA	NA	NA	NA	NA	NA	328	NA	0.115	
NA	NA	2.97	NA	107	<0.0250	NA	NA	NA	NA	NA	NA	NA	187	NA	0.0567	
NA	NA	2.97	NA	252	<0.0250	NA	NA	NA	NA	NA	NA	NA	460	NA	0.253	
NA	NA	0.226	NA	139	<0.0250	NA	NA	NA	NA	NA	NA	NA	205	NA	0.295	10
216	350	1,653	534	740	153	18.3	155	120	67.3	254	186	249	820	969	447	
	NAVA 2	C-WIN	cont							MW-4						
		24-Oct-04								22-Oct-04 MW-4						splods
MW-3 (40-45)	MW-3 (45-50)	MW-3 (50-55)	MW-3 (55-60)	MW-3 (60-65)	MW-4 (15-20)	MW-4 (20-25)	MW-4 (25-30)	MW-4 (30-35)	MW-4 (35-40)	MW-4 (40-45)	MW-4 (45-50)	MW-4 (50-55)	MW-4 (55-60)	MW-4 (60-65)	MW-4 (65-70)	NMOCD Remedial Thresholds

Bolded values are in excess of the NMOCD Remediation Thresholds

2 NA: Not Analyzed

3 NS: No Sample Recovery

* Detected, but below the Reporting Limit; therefore, result is an estimated concentration (CLP-J Flag).



SUMMARY OF EXCAVATION ANALYTICAL RESULTS (SOIL) Table 2

Plains All American Pipeline, LP. - 8" Moore to Jal #1 - Ref #2002-10270

	Benzene	Toluene	Ethylbenzene	Ethylbenzene m.p-Xvienes	o-Xylene	Total BTEX	ТРН	НАТ	Total TPH
Champie Date Cocation Analysis	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(as gasoline)	(as diesel)	(mg/Kg)
North Sidewall	-25	937	3,590	4,410	2,140	11,077	224	545	692
Ramp	<25	<25	<25	<25	25	<125	<10	<10	<10
Stockpile	>	▽	▽	7	7	NA	NA	NA	NA
Bottom -3'	<25	<25	425	425	25	<125	<10	<10	<10
West Sidewall NA Composite	<0.025	<0.025	<0.025	0.040	<0.025	0.040	<10.0	74.2	74.2
East Sidewall NA	0.082	629.0	0.558	1.14	0.423	2.88	144	2,420	2,564
South Sidewall NA Composite	<0.025	<0.025	<0.025	870.0	<0.025	0.078	<10.0	144	144
North Sidewall NA Composite	<0.025	0.179	0.197	0.577	0.230	1.18	49.1	317	366
Bottomhole Composite	0.235	0.992	0.500	1.15	0.543	3.42	175	9,240	9,415
NMOCD Remedial Thresholds	10					50			100

officed values are in excess of the NMOCD Remediation Thresholds

² NA: Not Analyzed
³ NS: Not Sampled
⁴ Detected, but below the Reporting Limit; therefore, result is an estimated concentration (CLP-J Flag).

Summary of Land Treatment Analytical Results (Soil) 8" Moore to Jal #1 - Ref #2002-10270 Table 3

										-
Total TPH	(mg/Kg)	1,310	664	542	987	1,140	1,470	1,240	1,170	100
TPH (as diesel)	(mg/Kg)	1,310	664	542	987	1,140	1,470	1,240	1,170	
TPH (as gasoline)	(mg/Kg)	\$	\$	<\$	\$	\$	\$	\$	\$	
Total BTEX	(mg/Kg)	NA	NA	NA	NA	NA	NA	NA	NA	50
o-Xylene	(mg/Kg)	NA	NA	NA	NA	NA	NA	NA	NA	
m,p-Xylenes	(mg/Kg)	NA	NA	NA	NA	NA	NA	NA	NA	
Ethylbenzene	(mg/Kg)	NA	NA	NA	NA	NA	NA	NA	NA	
Toluene	(mg/Kg)	NA	NA	NA	NA	NA	NA	NA	NA	
Benzene	(mg/Kg)	NA	NA	NA	NA	NA	NA	NA	NA	10
Sample Date		15-Dec- 04	splods							
Sample Location		Northeast Quadrant of Cell A	Southeast Quadrant of Cell A	Southwest Quadrant of Cell A	Northwest Quadrant of Cell A	Southeast Quadrant of Cell B	Southwest Quadrant of Cell B	Northeast Quadrant of Cell B	Northwest Quadrant of Cell B	NMOCD Remedial Thresholds
Sample ID		NE-A	SE-A	SW-A	NW-A	SE-B	SW-B	NE-B	NW-B	NMOCD

 I Bolded values are in excess of the NMOCD Remediation Thresholds 2 NA : Not Analyzed

 $^3NS:Not\,Sampled$ 4 Detected, but below the Reporting Limit; therefore, result is an estimated concentration (CLP-J Flag).

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

Subr Di Form C-141 Revised October 10, 2003

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

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

			Relea	ıse No	tifica	tion a	and Co	rrective A	Action		
	OPEI	RATOR							Report	Final Re	port
Name of Co EOTT	mpany						Contact				
Address							Telepho				
	50 5805 Eas	t Highway 80) Midland	l. Texas	79702		915.638				
Facility Nar				<u>,</u>			Facility				
8" Moore to								l Pipeline			
Surface Ow	ner				Minera	al Owne	 er			Lease No).
State of Nev	w Mexico			\							
					LOCA	TION	OF RELE	EASE			
Unit Letter	Section	Township	Range	Feet from	n the	North/S	outh Line	Feet from the	East/West Lin	ne County:	Lea
16	16	T17S		1							' 50' 12.36''N
			R37E	<u> </u>				<u> </u>		Lon. 10	3° 15' 26.234"W.
					NAT	URE O	F RELEA	ASE			
Type of Rele	ase					1	Volume of			Volume Reco	vered
Crude Oil							200 bbls			0 bbls barre	
Source of Re								Iour of Occurre	nce		r of Discovery
8" Steel Pipe Was Immedia		iven?					EOTT If YES, To	Wham?		10-18-02 @ 8	:00 AM
was immedia	ate Notice Gi		Yes 🔲 1	No 🗆 N	Not Regu		Paul Sheel				
D 11/h 9											
By Whom? Pat McCaslar	nd EPI						Date and F	iour 2) 11:00 AM Pa	t McCasland	EPI left messa	ge with Paul
1 at McCastar	.id, 151 1					Ì		d sent page to t			
Was a Water	course Reach	ed? Yes	s 🛛 No					lume Impacting			
_							NA	_			
	ırse was Imp	acted, Describe	e Fully.*								
NA											
Describe Can	se of Problem	m and Remedia	al Action 7	Taken *							
					rtical and	d horizor	ntal extents	of contamination	on. Contamin	ated soil will	be blended on site or
disposed of.											
		nd Cleanup Ac									
											will be blended on
Toluene, and			- 111C100 D	- 1000 1118	yng, be	nzene –	io ing/kg,	and BIEA, i.e.,	, the mass sur	n of Benzene,	Ethyl Benzene,
101done, und	11,101100 2	·									
I hereby certi	fy that the in	formation give	en above is	true and	complet	e to the l	est of my l	nowledge and	understand th	at pursuant to	NMOCD rules and
											nich may endanger
											operator of liability
											e water, human mpliance with any
		al laws and/or i			5 01 a C-	141 lepo	n does not	reneve me oper	ator or respon	isibility for co	inphance with any
Signature:	, black, of foot		. одинилот.	"			T	OIL COL	SERVA	TION DIV	MOISI
								OIL COI	IOLICYA	I TON DIV	ISIOIY
							7				
Printed Name	e: Frank Her	nandez					Approve	ed by District St	upervisor:		
Title: Distric	t Environme	ntal Supervisor	r				Approva	ıl Date:		Expiration D	ate:
Date: Octo	her 23 2002		Dhone	015 638	3700		Condisi	ne of Annroyal	ı .		Attached

^{*} Attach Additional Sheets If Necessary