SITE INFORMATION

Report Type: CLOSURE REPORT

General Site Information:	
Site:	**Plains Knight #1**
Company:	**Pogo Producing Company (Arch Petroleum)**
Section, Township and Range	**Section 23, T24S, R37E**
Unit Letter:	L
Lease Number:	35033
County:	Lea
GPS:	32° 11' 59", 103° 08' 16.3"
Surface Owner:	Becky Doom
Mineral Owner:	-
Directions:	From intersection of 18 and 128 at Jal New Mexico, go 6.3 miles north on Hwy 18, turn
	right (east) Cooper East Rd. and go 2.5 miles to end of paved road. Take cattle guard
	to right, follow main lease road 1.3 miles which will curve right (south), tank battery
	located east of the lease road.

Release Data:	
Date Released:	3/14/2000
Type Release:	Oil
Source of Contamination:	Tank overflow
Fluid Released:	7 barrels oil
Fluids Recovered:	0

Official Communication:			
Name:	Pat Ellis	Don Riggs	Ike Tavarez
Company:	Pogo Producing Company	Pogo Producing Company	Highlander Environmental Corp.
Address:	300 N. Marienfeld St.	5 Greenway Plaza, Suite 2700	1910 N. Big Spring
P.O. Box	Box 10340		
City:	Midland Texas, 79701-7340	Houston, Texas 77046	Midland, Texas
Phone number:	(432) 685-8100	(713) 297-5045	(432) 692- 4559
Email:	EllisP@pogoproducing.com	riggsd@pogoproducing.com	itavarez@hec-enviro.com

Ranking Criteria

Depth to Groundwater:	*Ranking Score*	*Site Data*
<50 ft	20	
50-99 ft	**10**	*Average Depth >50 BS*
>100 ft.	0	

WellHead Protection:	*Ranking Score*	*Site Data*
Water Source <1,000 ft., Private <200 ft.	*20*	*None*
Water Source >1,000 ft., Private >200 ft.	*0*	

Surface Body of Water:	*Ranking Score*	*Site Data*
<200 ft.	*20*	*None*
200 ft - 1,000 ft.	10	*None*
>1,000 ft.	0	

Total Ranking Score:	**10**

Acceptable Soil RRAL (mg/kg)		
Benzene	*Total BTEX*	*TPH*
10	**50**	**1,000**

Highlander Environmental Corp.

Midland, Texas

1RP-220
10.31.05

October 14, 2005

Mr. Larry Johnson
Environmental Engineer Specialist
Oil Conservation Division- District I
1625 N. French Drive
Hobbs, New Mexico 88240

RE: Assessment and Closure Report for the Spill located at the Pogo Plains Knight #1 Tank Battery, Lea County, New Mexico, Unit L, Section 23, T-24-S, R-37-E.

Dear Mr. Johnson:

Highlander Environmental Corp. (Highlander) was contacted by (Arch) Pogo Producing Company to assess a spill, which occurred at the Plains Knight #1 Tank Battery in Lea County, New Mexico. The Site is located in Unit Letter L, Section 23, Township 24 South, Range 37 East. The State of New Mexico C-141 (Initial) is included in Appendix C. The Site is shown on Figure 1.

Background

On March 14, 2000, the oil storage tank at the facility ran over, impacting the surface soil around the storage tank. Approximately 7 barrels of oil were reportedly spilled and none was recovered.

On July 13, 2000, Highlander inspected the spill area and attempted to define the vertical extent of the hydrocarbon impact. The spill area measured approximately 80'x 5'and 30'x 5' inside the dike of the facility. The dike was breached, in the northeast corner of the facility, impacting areas outside the dike measuring 100' x 5'and 60' x 5'. The spill areas are shown on Figure 2. A total of five auger holes (AH-1 through AH-5) were installed at the Site to attempt to delineate the impact. The locations of the auger holes are shown in Figure 2. Deeper soil samples could not be collected due to a dense caliche layer encountered at a depth of approximately 1-2 feet below surface. The samples were analyzed for TPH by EPA 418.1 and chloride by method SW846-9252. The laboratory reports are shown in Appendix B. The results are shown in Table 1.

The TPH concentrations inside the tank battery dike ranged from 39,200 mg/kg to 47,250 mg/kg at 0-1' below surface. However, the samples taken at 1-2' decreased in all three-auger

holes (AH-1, AH-2 and AH-3) to 210 mg/kg, 10,800 mg/kg and 1,150 mg/kg, respectively. Two auger holes (AH-4 and AH-5) installed outside the dike showed elevated TPH levels from 0-1'ranging from 35,100 mg/kg to 93,500 mg/kg. Deeper samples could not be obtained, due to the shallow dense caliche layer.

All the soil samples collected from 0-1'and 1-2'exceeded the RRAL for TPH of 1,000 mg/kg, except for AH-1 at 1-2'below surface. AH-3 at 1-2' was near the RRAL with a level of 1,150 mg/kg. The chloride evaluation showed detectable levels ranging from 142 mg/kg to 328 mg/kg.

An original assessment report was submitted on August 7, 2000, and revised on January 14, 2002, which recommended working the impacted soil inside the tank battery dike. During the remediation, an attempt was to be made to collect deeper samples for confirmation in the area of AH-2. Additionally, the impacted area east of the tank battery was to be excavated and placed on plastic at the tank battery pad. Once the impacted soil was removed, confirmation soil samples were to be collected from the excavated area for TPH and BTEX. The impacted soil was to either be disposed of at an approved disposal facility or landfarmed onsite.

Groundwater and Regulatory

According to the New Mexico State Engineer Office database, there are water wells located in Sections 23, 24 and 25, Township 24 South, Range 37 East, with average depth to groundwater of 94' (Section 23), 100' (Section 24) and 90' (Section 25). The well records are shown in Appendix A.

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 1,000 mg/kg.

Remediation and Confirmation Sampling

The impacted soils inside the facility dike and outside the east end of the dike were excavated. Excavation began on February 17-18, 2005. Due to rain, and the landowner's desire not to drive equipment into the wet pasture, the excavation east of the dike was postponed until March 21, 2005. The area was segregated into five (5) areas for confirmation sampling. Areas #1 and #2 measured 6' x 55', Area #3 measured 3' x 20', Area #4 measured 10' x 30' and Area #5 measured 6' x 30'. Excavation depths ranged from 1.5 to 3.0' below excavation bottom (BEB). The excavated areas are shown on Figure 3. Composite samples were taken and analyzed for TPH by method EPA 8015M, BTEX by method 8021B and chloride by method EPA 300.0. The laboratory reports are shown in Appendix B. The results are shown in Table 1.

Referring to Table 1, BTEX and TPH concentrations were well below the RRAL for all five areas. Chloride concentrations in Area #1, Area #3 and Area #4, were 117 mg/kg, 404 mg/kg and 428 mg/kg respectively. Based upon the chloride results, test trenches were installed in Areas #2 and #5 on April 7, 2005 to collect additional subsurface samples. Chloride concentrations in these two areas appeared to remain elevated at depths of 6'-8' below excavation bottom.

On September 9, 2005, a drilling rig was utilized in order to better profile the soils beneath Areas #2 and #5 and to collect discreet soil samples for evaluation of subsurface chloride impact. Two boreholes were installed, with BH-1 being located in Area #5 and BH-2 being located in Areas #2. Soil samples were collected at five foot increments to a total depth of 15'-16' BEB. All of the samples collected were well below 250 mg/kg, and did not show deeper chloride impact in these areas.

Conclusion

All five areas have been excavated to depths ranging from 1.5' – 3.0'. Composite samples taken and analyzed for TPH and BTEX were well below the RRAL for all five areas. Chloride concentrations in Area #1, Area #3 and Area #4, were 117 mg/kg, 404 mg/kg and 428 mg/kg respectively. Samples from boreholes placed into the soils beneath Areas #2 and #5 were well below 250 mg/kg, and did not show deeper chloride impact in these areas. Based upon the work performed to date and the results of confirmation sampling, Pogo requests closure of this site. The State of New Mexico C-141 (Final) is included in Appendix C.

If you require any additional information or have any questions or comments concerning the assessment report, please call.

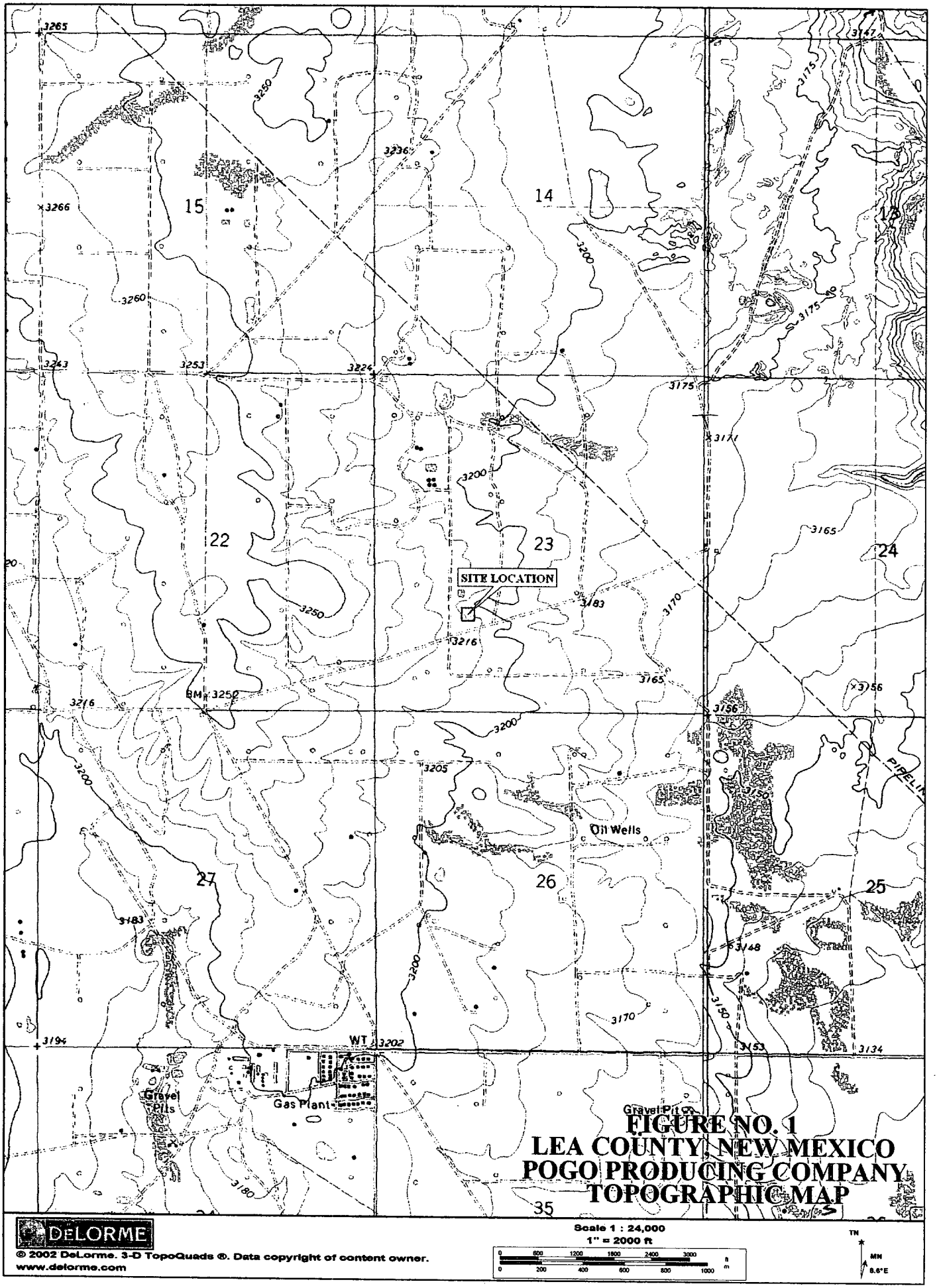
Highlander Environmental Corp.,

Ike Tavarez

Ike Tavarez, P.G.
Project Manager/Senior Geologist

cc: Don Riggs – Pogo Producing Co.
Pat Ellis – Pogo Producing Co.

FIGURES



DeLORME

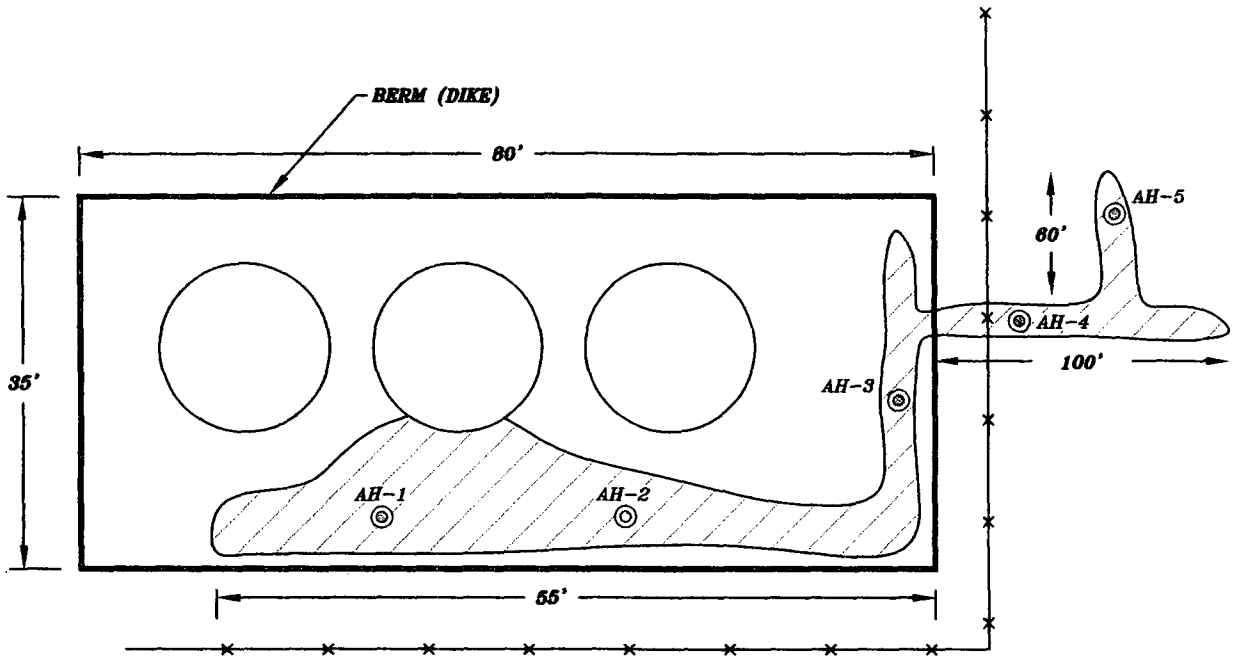
www.delorme.com

Scale 1 : 24,000
1" = 2000 ft

0 800 1200 1600 2400 3000 ft
0 200 400 600 800 1000 m

TN
MN
8.6°E

FIGURE NO. 1
LEA COUNTY, NEW MEXICO
POGO PRODUCING COMPANY
TOPOGRAPHIC MAP



AUGER HOLE LOCATIONS

SPILL AREA

NOT TO SCALE

FIGURE NO. 2

LEA COUNTY, NEW MEXICO

POGO PRODUCING COMPANY

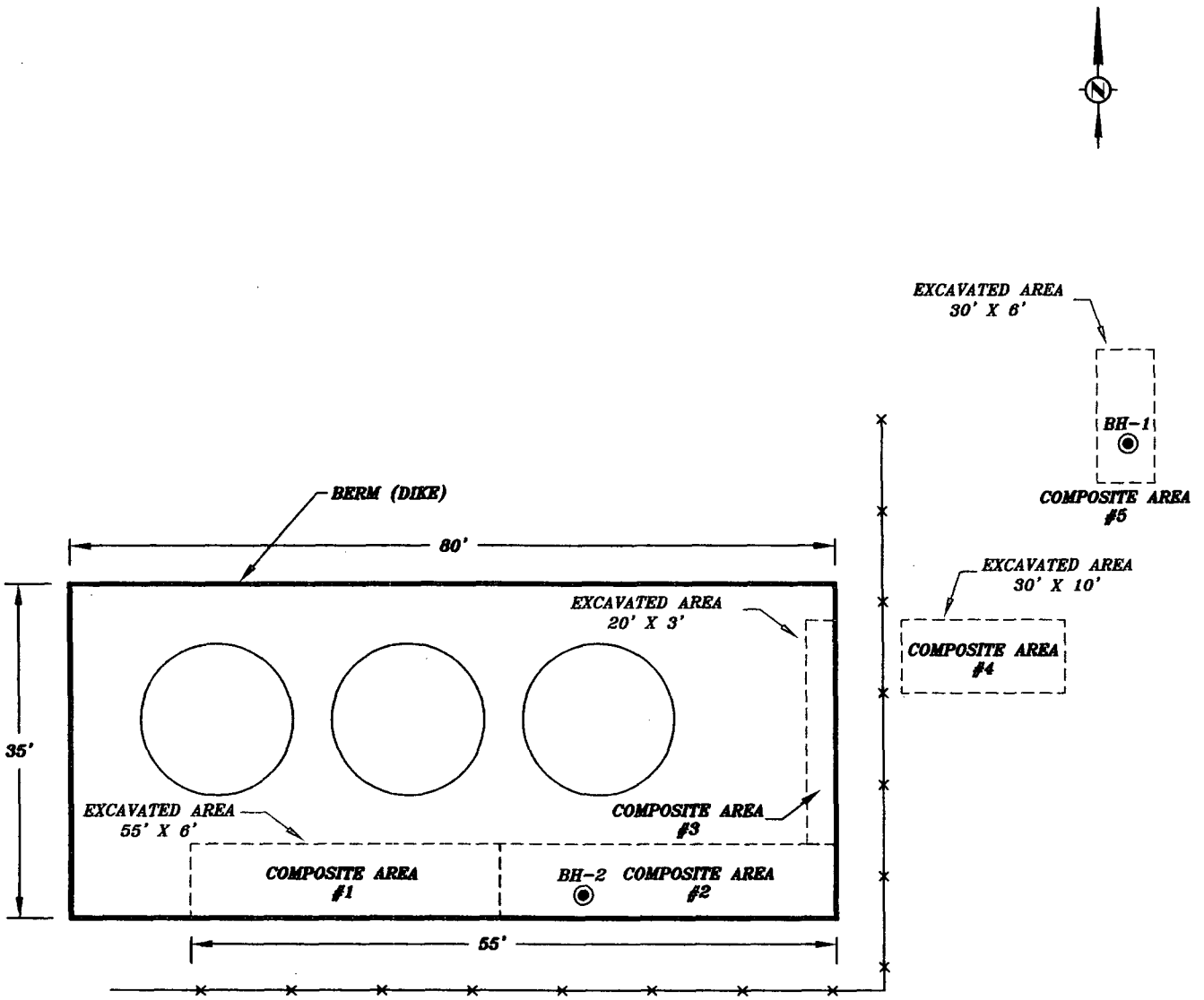
PLAINS KNIGHT #1 TB
SPILL AREA & SAMPLE LOCATIONS

DATE: 4/11/05

DWN. BY: JJ

FILE: C:\POGO\1468\P-406067-1

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS



BOREHOLE LOCATIONS

EXCAVATED AREA

NOT TO SCALE

FIGURE NO. 3

LEA COUNTY, NEW MEXICO

POGO PRODUCING COMPANY

PLAINS KNIGHT #1 TB

EXCAVATED AREA & BOREHOLE LOCATIONS

DATE: 4/11/05

DWN. BY: JJ

FILE: C:\POGO\1469\P-1469T-1

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

TABLE

Table 1
Pogo Producing Company
Arch/Plains Knight #1 Tank Battery
Lea County, New Mexico

Sample ID	Date Sampled	Sample Depth (ft)	TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
			C6-C12	C12-C35	Total					
Area #1	2/18/2005	2.0	42.2	301	343	<0.025	<0.025	0.0386	0.1247	117
Area #2	2/18/2005	2.5	<10.0	<10.0	<10.0	-	-	-	-	453
	3/22/2005	2.5 BEB	-	-	-	-	-	-	-	864
	4/7/2005	4.0 BEB	-	-	-	-	-	-	-	800
	4/7/2005	6.0 BEB	-	-	-	-	-	-	-	1180
Area #3	2/18/2005	1.5	<10.0	<10.0	<10.0	-	-	-	-	404
Area #4	3/22/2005	1.5	<10.0	15.0	15.0	<0.025	<0.025	<0.025	<0.025	428
Area #5	3/22/2005	2.0	<10.0	40.6	40.6	<0.025	<0.025	<0.025	<0.025	904
	4/7/2005	2.0 BEB	-	-	-	-	-	-	-	1570
	4/7/2005	4.0 BEB	-	-	-	-	-	-	-	2200
BH-1 (Area 5)	9/9/2005	5-6	-	-	-	-	-	-	-	14.0
	9/9/2005	10-11	-	-	-	-	-	-	-	9.31
	9/9/2005	15-16	-	-	-	-	-	-	-	9.73
BH-2 (Area 2)	9/9/2005	5-6	-	-	-	-	-	-	-	61.0
	9/9/2005	10-11	-	-	-	-	-	-	-	59.7
	9/9/2005	15-16	-	-	-	-	-	-	-	99.3

<10.0 and <0.025 - Analyte not detected at or above the reporting limit
BEB - Below Excavation Bottom
(-) Not Analyzed

APPENDIX A

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 24S Range: 37E Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 10/24/2005

								(Depth Water in Feet)		
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
CP	24S	37E	05				1	106	106	106
CP	24S	37E	08				1	90	90	90
CP	24S	37E	23				1	94	94	94
CP	24S	37E	24				1	100	100	100
CP	24S	37E	25				1	90	90	90
CP	24S	37E	28				1	70	70	70

Record Count: 6

APPENDIX B

Analysis of Sampling
2/18/2005

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ike Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Pogo/ Plains Knight #1 Tank Battery

Project Number: 1469

Location: Lea County, N.M.

Lab Order Number: 5B18010

Report Date: 02/24/05

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	02/24/05 09:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Area #1 (2.0') Bottom Hole	5B18010-01	Soil	02/18/05 00:00	02/18/05 14:45
Area #2 (2.5') Bottom Hole	5B18010-02	Soil	02/18/05 00:00	02/18/05 14:45
Area #3 (2.0') Bottom Hole	5B18010-03	Soil	02/18/05 00:00	02/18/05 14:45

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	02/24/05 09:52

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Area #1 (2.0') Bottom Hole (5B18010-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EB52402	02/22/05	02/23/05	EPA 8021B	
Toluene	**J [0.0193]**	0.0250	"	"	"	"	"	"	J
Ethylbenzene	**0.0386**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0762**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0485**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**42.2**	10.0	mg/kg dry	1	EB51901	02/18/05	02/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	**301**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**343**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*77.8 %*	*70-130*		"	"	"	"	
Area #2 (2.5') Bottom Hole (5B18010-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EB51901	02/18/05	02/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*92.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*79.6 %*	*70-130*		"	"	"	"	
Area #3 (2.0') Bottom Hole (5B18010-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EB51901	02/18/05	02/19/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*90.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*73.4 %*	*70-130*		"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Area #1 (2.0') Bottom Hole (5B18010-01) Soil									
Chloride	**117**	10.0	mg/kg	20	EB52216	02/21/05	02/21/05	EPA 300.0	
% Moisture	**14.8**	0.1	%	1	EB52104	02/18/05	02/21/05	% calculation	
Area #2 (2.5') Bottom Hole (5B18010-02) Soil									
Chloride	**453**	20.0	mg/kg	40	EB52216	02/21/05	02/21/05	EPA 300.0	
% Moisture	**12.6**	0.1	%	1	EB52104	02/18/05	02/21/05	% calculation	
Area #3 (2.0') Bottom Hole (5B18010-03) Soil									
Chloride	**404**	20.0	mg/kg	40	EB52216	02/21/05	02/21/05	EPA 300.0	
% Moisture	**11.9**	0.1	%	1	EB52104	02/18/05	02/21/05	% calculation	

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB51901 - Solvent Extraction (GC)										
Blank (EB51901-BLK1)				Prepared: 02/18/05 Analyzed: 02/19/05						
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	*42.3*		*mg/kg*	*50.0*		*84.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.6*		*"*	*50.0*		*73.2*	*70-130*			
LCS (EB51901-BS1)				Prepared: 02/18/05 Analyzed: 02/19/05						
Gasoline Range Organics C6-C12	442	10.0	mg/kg wet	500		88.4	75-125			
Diesel Range Organics >C12-C35	451	10.0	"	500		90.2	75-125			
Total Hydrocarbon C6-C35	893	10.0	"	1000		89.3	75-125			
Surrogate: 1-Chlorooctane	*38.7*		*mg/kg*	*50.0*		*77.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.6*		*"*	*50.0*		*71.2*	*70-130*			
Calibration Check (EB51901-CCV1)				Prepared: 02/18/05 Analyzed: 02/19/05						
Gasoline Range Organics C6-C12	486		mg/kg	500		97.2	80-120			
Diesel Range Organics >C12-C35	550		"	500		110	80-120			
Total Hydrocarbon C6-C35	1040		"	1000		104	80-120			
Surrogate: 1-Chlorooctane	*50.7*		*"*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.9*		*"*	*50.0*		*87.8*	*70-130*			
Matrix Spike (EB51901-MS1)	**Source: 5B18009-03**			Prepared: 02/18/05 Analyzed: 02/19/05						
Gasoline Range Organics C6-C12	477	10.0	mg/kg dry	514	ND	92.8	75-125			
Diesel Range Organics >C12-C35	542	10.0	"	514	ND	105	75-125			
Total Hydrocarbon C6-C35	1020	10.0	"	1030	ND	99.0	75-125			
Surrogate: 1-Chlorooctane	*48.0*		*mg/kg*	*50.0*		*96.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.9*		*"*	*50.0*		*75.8*	*70-130*			
Matrix Spike Dup (EB51901-MSD1)	**Source: 5B18009-03**			Prepared: 02/18/05 Analyzed: 02/19/05						
Gasoline Range Organics C6-C12	450	10.0	mg/kg dry	514	ND	87.5	75-125	5.83	20	
Diesel Range Organics >C12-C35	502	10.0	"	514	ND	97.7	75-125	7.66	20	
Total Hydrocarbon C6-C35	952	10.0	"	1030	ND	92.4	75-125	6.90	20	
Surrogate: 1-Chlorooctane	*45.7*		*mg/kg*	*50.0*		*91.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.7*		*"*	*50.0*		*73.4*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB52402 - EPA 5030C (GC)										
Blank (EB52402-BLK1)				Prepared & Analyzed: 02/22/05						
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	*80.3*		*ug/kg*	*100*		*80.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*85.6*		*"*	*100*		*85.6*	*80-120*			
LCS (EB52402-BS1)				Prepared & Analyzed: 02/22/05						
Benzene	104		ug/kg	100		104	80-120			
Toluene	107		"	100		107	80-120			
Ethylbenzene	106		"	100		106	80-120			
Xylene (p/m)	239		"	200		120	80-120			
Xylene (o)	116		"	100		116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*98.3*		*"*	*100*		*98.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*110*		*"*	*100*		*110*	*80-120*			
Calibration Check (EB52402-CCV1)				Prepared: 02/22/05 Analyzed: 02/23/05						
Benzene	101		ug/kg	100		101	80-120			
Toluene	104		"	100		104	80-120			
Ethylbenzene	105		"	100		105	80-120			
Xylene (p/m)	238		"	200		119	80-120			
Xylene (o)	118		"	100		118	80-120			
Surrogate: a,a,a-Trifluorotoluene	*102*		*"*	*100*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*116*		*"*	*100*		*116*	*80-120*			
Matrix Spike (EB52402-MS1)	**Source: 5B21006-01**			Prepared: 02/22/05 Analyzed: 02/23/05						
Benzene	2510		ug/kg	2500	54.0	98.2	80-120			
Toluene	2640		"	2500	48.1	104	80-120			
Ethylbenzene	2760		"	2500	132	105	80-120			
Xylene (p/m)	6180		"	5000	324	117	80-120			
Xylene (o)	3130		"	2500	222	116	80-120			
Surrogate: a,a,a-Trifluorotoluene	*96.8*		*"*	*100*		*96.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*112*		*"*	*100*		*112*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EB52402 - EPA 5030C (GC)										
Matrix Spike Dup (EB52402-MSD1)	**Source: 5B21006-01**			Prepared: 02/22/05 Analyzed: 02/23/05						
Benzene	2550		ug/kg	2500	54.0	99.8	80-120	1.62	20	
Toluene	2690		"	2500	48.1	106	80-120	1.90	20	
Ethylbenzene	2880		"	2500	132	110	80-120	4.65	20	
Xylene (p/m)	6250		"	5000	324	119	80-120	1.69	20	
Xylene (o)	3100		"	2500	222	115	80-120	0.866	20	
Surrogate: a,a,a-Trifluorotoluene	*101*		"	*100*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*119*		"	*100*		*119*	*80-120*			

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 EB52104 - General Preparation (Prep)										
Blank (EB52104-BLK1)				Prepared: 02/18/05 Analyzed: 02/21/05						
% Moisture	ND	0.1	%							
Duplicate (EB52104-DUP1)		**Source: 5B17011-01**		Prepared: 02/18/05 Analyzed: 02/21/05						
% Moisture	4.2	0.1	%		4.3			2.35	20	
Batch EB52216 - Water Extraction										
Blank (EB52216-BLK1)				Prepared & Analyzed: 02/21/05						
Chloride	ND	0.500	mg/kg							
Blank (EB52216-BLK2)				Prepared & Analyzed: 02/21/05						
Chloride	ND	0.500	mg/kg							
LCS (EB52216-BS1)				Prepared & Analyzed: 02/21/05						
Chloride	8.46		mg/L	10.0		84.6	80-120			
LCS (EB52216-BS2)				Prepared & Analyzed: 02/21/05						
Chloride	8.21		mg/L	10.0		82.1	80-120			
Calibration Check (EB52216-CCV1)				Prepared & Analyzed: 02/21/05						
Chloride	8.44		mg/L	10.0		84.4	80-120			
Calibration Check (EB52216-CCV2)				Prepared & Analyzed: 02/21/05						
Chloride	8.16		mg/L	10.0		81.6	80-120			
Duplicate (EB52216-DUP1)		**Source: 5B18004-01**		Prepared & Analyzed: 02/21/05						
Chloride	23.3	5.00	mg/kg		22.5			3.49	20	

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 EB52216 - Water Extraction										
Duplicate (EB52216-DUP2)	**Source: 5B21002-03**			Prepared & Analyzed: 02/21/05						
Chloride	240	20.0	mg/kg		223			7.34	20	

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 2-24-05

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 Sanchez, Lab Tech.

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: / OF: /

CLIENT NAME: POGO | SITE MANAGER: Ike Tavarez

PROJECT NO.: 1469 | PROJECT NAME: POGO / Plains Knight #1 / Tusk Buttes Lea County, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 / 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
B1860-01	2/18/05		S	X		Area #1 (2.0') Bottom Hole	1				X	CLH	X		X											X			
-02	2/18/05		S	X		Area #2 (2.5') Bottom Hole	1				X	per remark			X											X			
-03	2/18/05		S	X		Area #3 (2.0') Bottom Hole	1				X				X											X			

RELINQUISHED BY: (Signature) Ray Tavarez | Date: 2/18/05 Time: 3:40 | RECEIVED BY: (Signature) | Date: Time:

SAMPLED BY: (Print & Sign) Ray Tavarez | Date: 2/18/05 Time: 2:00

RELINQUISHED BY: (Signature) | Date: Time: | RECEIVED BY: (Signature) | Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL # HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) | Date: Time: | RECEIVED BY: (Signature) | Date: Time:

RECEIVING LABORATORY: Environmental Lab of Texas | RECEIVED BY: (Signature) Cassie Woods

ADDRESS: | CITY: Odessa | STATE: TX | ZIP: | CONTACT: | PHONE: | DATE: 2/18/05 | TIME: 14:45

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 5.0

MATRIX: W-Water (S-Soil) A-Air SL-Sludge SD-Solid O-Other

REMARKS: Run (1) BTEX on the highest TPH

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Enviromental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Highlander

Date/Time: 2/18/05 2:45

Order #: SBC8010

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	5.0 C
Shipping container/cooler in good condition?	Yes	No	n/a
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?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

Corrective Action Taken:

Analysis of Sampling
3/22/2005

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ike Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Pogo/ Plains Knight #1 Tank Battery

Project Number: 1469

Location: Lea County, NM

Lab Order Number: 5C23016

Report Date: 03/28/05

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	03/28/05 11:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Area #2 (2.5') BEB	5C23016-01	Soil	03/22/05 00:00	03/23/05 13:55
Area #4 (1.5') Bottom Hole	5C23016-02	Soil	03/22/05 00:00	03/23/05 13:55
Area #5 (2.0') Bottom Hole	5C23016-03	Soil	03/22/05 00:00	03/23/05 13:55

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Area #4 (1.5') Bottom Hole (5C23016-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC52401	03/23/05	03/23/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.3 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC52312	03/23/05	03/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**15.0**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**15.0**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*76.6 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*90.6 %*	*70-130*		"	"	"	"	
Area #5 (2.0') Bottom Hole (5C23016-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EC52401	03/23/05	03/23/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*88.3 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.1 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC52312	03/23/05	03/25/05	EPA 8015M	
Diesel Range Organics >C12-C35	**40.6**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**40.6**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*73.8 %*	*67.6-140*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*86.6 %*	*70-130*		"	"	"	"	

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	03/28/05 11:40

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Area #2 (2.5') BEB (5C23016-01) Soil									
Chloride	**864**	25.0	mg/kg	50	EC52801	03/25/05	03/25/05	EPA 300.0	
Area #4 (1.5') Bottom Hole (5C23016-02) Soil									
Chloride	**428**	20.0	mg/kg	40	EC52801	03/25/05	03/25/05	EPA 300.0	
% Moisture	**12.9**	0.1	%	1	EC52408	03/23/05	03/24/05	% calculation	
Area #5 (2.0') Bottom Hole (5C23016-03) Soil									
Chloride	**904**	25.0	mg/kg	50	EC52801	03/25/05	03/25/05	EPA 300.0	
% Moisture	**11.7**	0.1	%	1	EC52408	03/23/05	03/25/05	% calculation	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC52312 - Solvent Extraction (GC)										
Blank (EC52312-BLK1)				Prepared: 03/23/05 Analyzed: 03/24/05						
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	*36.7*		*mg/kg*	*50.0*		*73.4*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*39.0*		*"*	*50.0*		*78.0*	*70-130*			
LCS (EC52312-BS1)				Prepared: 03/23/05 Analyzed: 03/24/05						
Gasoline Range Organics C6-C12	485	10.0	mg/kg wet	500		97.0	76.3-104			
Diesel Range Organics >C12-C35	479	10.0	"	500		95.8	76.1-118			
Total Hydrocarbon C6-C35	964	10.0	"	1000		96.4	81.8-105			
Surrogate: 1-Chlorooctane	*39.9*		*mg/kg*	*50.0*		*79.8*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*39.9*		*"*	*50.0*		*79.8*	*70-130*			
Calibration Check (EC52312-CCV1)				Prepared: 03/23/05 Analyzed: 03/24/05						
Gasoline Range Organics C6-C12	464		mg/kg	500		92.8	80-120			
Diesel Range Organics >C12-C35	495		"	500		99.0	80-120			
Total Hydrocarbon C6-C35	959		"	1000		95.9	80-120			
Surrogate: 1-Chlorooctane	*45.9*		*"*	*50.0*		*91.8*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*40.0*		*"*	*50.0*		*80.0*	*70-130*			
Matrix Spike (EC52312-MS1)	**Source: 5C23010-01**			Prepared: 03/23/05 Analyzed: 03/24/05						
Gasoline Range Organics C6-C12	577	10.0	mg/kg dry	583	6.88	97.8	75.9-114			
Diesel Range Organics >C12-C35	644	10.0	"	583	29.6	105	85.3-122			
Total Hydrocarbon C6-C35	1220	10.0	"	1170	29.6	102	84.4-115			
Surrogate: 1-Chlorooctane	*58.4*		*mg/kg*	*50.0*		*117*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*50.3*		*"*	*50.0*		*101*	*70-130*			
Matrix Spike Dup (EC52312-MSD1)	**Source: 5C23010-01**			Prepared: 03/23/05 Analyzed: 03/24/05						
Gasoline Range Organics C6-C12	548	10.0	mg/kg dry	583	6.88	92.8	75.9-114	5.16	10.4	
Diesel Range Organics >C12-C35	648	10.0	"	583	29.6	106	85.3-122	0.619	10.4	
Total Hydrocarbon C6-C35	1200	10.0	"	1170	29.6	100	84.4-115	1.65	7.6	
Surrogate: 1-Chlorooctane	*45.9*		*mg/kg*	*50.0*		*91.8*	*67.6-140*			
Surrogate: 1-Chlorooctadecane	*48.2*		*"*	*50.0*		*96.4*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC52401 - EPA 5030C (GC)										
Blank (EC52401-BLK1)				Prepared & Analyzed: 03/23/05						
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	*96.2*		*ug/kg*	*100*		*96.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*98.5*		*"*	*100*		*98.5*	*80-120*			
LCS (EC52401-BS1)				Prepared & Analyzed: 03/23/05						
Benzene	105		ug/kg	100		105	80-120			
Toluene	117		"	100		117	80-120			
Ethylbenzene	117		"	100		117	80-120			
Xylene (p/m)	227		"	200		114	80-120			
Xylene (o)	120		"	100		120	80-120			
Surrogate: a,a,a-Trifluorotoluene	*117*		*"*	*100*		*117*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*115*		*"*	*100*		*115*	*80-120*			
Calibration Check (EC52401-CCV1)				Prepared & Analyzed: 03/23/05						
Benzene	100		ug/kg	100		100	80-120			
Toluene	108		"	100		108	80-120			
Ethylbenzene	95.8		"	100		95.8	80-120			
Xylene (p/m)	205		"	200		102	80-120			
Xylene (o)	99.9		"	100		99.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	*107*		*"*	*100*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*82.7*		*"*	*100*		*82.7*	*80-120*			
Matrix Spike (EC52401-MS1)	**Source: 5C23016-03**			Prepared & Analyzed: 03/23/05						
Benzene	106		ug/kg	100	ND	106	80-120			
Toluene	118		"	100	ND	118	80-120			
Ethylbenzene	115		"	100	ND	115	80-120			
Xylene (p/m)	240		"	200	ND	120	80-120			
Xylene (o)	119		"	100	ND	119	80-120			
Surrogate: a,a,a-Trifluorotoluene	*115*		*"*	*100*		*115*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*110*		*"*	*100*		*110*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC52401 - EPA 5030C (GC)										
Matrix Spike Dup (EC52401-MSD1)	**Source: 5C23016-03**		Prepared & Analyzed: 03/23/05							
Benzene	99.4		ug/kg	100	ND	99.4	80-120	6.43	20	
Toluene	110		"	100	ND	110	80-120	7.02	20	
Ethylbenzene	102		"	100	ND	102	80-120	12.0	20	
Xylene (p/m)	225		"	200	ND	112	80-120	6.90	20	
Xylene (o)	107		"	100	ND	107	80-120	10.6	20	
Surrogate: a,a,a-Trifluorotoluene	*108*		*"*	*100*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*104*		*"*	*100*		*104*	*80-120*			

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 EC52408 - General Preparation (Prep)										
Blank (EC52408-BLK1)				Prepared: 03/23/05 Analyzed: 03/24/05						
% Moisture	ND	0.1	%							
Duplicate (EC52408-DUP1)		Source: 5C22009-01		Prepared: 03/23/05 Analyzed: 03/24/05						
% Moisture	2.9	0.1	%		3.0			3.39	20	
Batch EC52801 - Water Extraction										
Blank (EC52801-BLK1)				Prepared & Analyzed: 03/25/05						
Chloride	ND	0.500	mg/kg							
LCS (EC52801-BS1)				Prepared & Analyzed: 03/25/05						
Chloride	10.5		mg/L	10.0		105	80-120			
Calibration Check (EC52801-CCV1)				Prepared & Analyzed: 03/25/05						
Chloride	10.5		mg/L	10.0		105	80-120			
Duplicate (EC52801-DUP1)		Source: 5C22007-02		Prepared & Analyzed: 03/25/05						
Chloride	44700	2500	mg/kg		44800			0.223	20	

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	03/28/05 11:40

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 3-28-05

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 Sanchez, Lab Tech.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Highlander Env.

Date/Time: 3/23/05 2:00

Order #: 5C23014

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	4.0 C
Shipping container/cooler in good condition?	(Yes)	No	
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?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: 1 OF: 1

CLIENT NAME: POGO SITE MANAGER: Ike Tavarez

PROJECT NO.: 1469 PROJECT NAME: POGO / Plains Knight #1 Tank Battery Lea County, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 / 9015 MOD. / TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
01 SC23016	3/22/05		S		X	Area #2 (2.5') BEB	1				X				X											X			
02	3/22/05		S	X		Area #4 (1.5') Bottom Hole	1				X		X		X											X			
03	3/22/05		S	X		Area #5 (2.0') Bottom Hole	1				X		X		X											X			

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature)	Date: 3/23/05 Time: 1:55	RECEIVED BY: (Signature)	Date: Time:	SAMPLED BY: (Print & Sign) Ray Taylor	Date: 3/23/05 Time: 10:45
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:	SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #	
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:	HAND DELIVERED UPS OTHER:	
RECEIVING LABORATORY: Environmental Lab of Texas		RECEIVED BY: (Signature)		HIGHLANDER CONTACT PERSON: Ike Tavarez	Results by:
ADDRESS: CITY: Odessa STATE: TX ZIP:					RUSH Charges Authorized: Yes No
CONTACT: PHONE:		DATE: 03-23-05	TIME: 1355		

SAMPLE CONDITION WHEN RECEIVED: 4.0°C 4ozglss on ice

MATRIX: W-Water A-Air SD-Solid (S-Soil) SL-Sludge O-Other

REMARKS:

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Enviromental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

Analysis of Sampling
4/7/2005

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ike Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Pogo/ Plains Knight #1 Tank Battery

Project Number: 1469

Location: Lea County, NM

Lab Order Number: 5D11010

Report Date: 04/15/05

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	04/15/05 07:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Area #2 (4.0') BEB	5D11010-01	Soil	04/07/05 15:45	04/11/05 14:50
Area #2 (6.0') BEB	5D11010-02	Soil	04/07/05 15:50	04/11/05 14:50
Area #5 (2.0') BEB	5D11010-04	Soil	04/07/05 14:40	04/11/05 14:50
Area #5 (4.0') BEB	5D11010-05	Soil	04/07/05 14:45	04/11/05 14:50

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	04/15/05 07:44

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Area #2 (4.0') BEB (5D11010-01) Soil									
Chloride	**800**	25.0	mg/kg	50	ED51409	04/14/05	04/14/05	EPA 300.0	
Area #2 (6.0') BEB (5D11010-02) Soil									
Chloride	**1180**	50.0	mg/kg	100	ED51409	04/14/05	04/14/05	EPA 300.0	
Area #5 (2.0') BEB (5D11010-04) Soil									
Chloride	**1570**	50.0	mg/kg	100	ED51409	04/14/05	04/14/05	EPA 300.0	
Area #5 (4.0') BEB (5D11010-05) Soil									
Chloride	**2220**	50.0	mg/kg	100	ED51409	04/14/05	04/14/05	EPA 300.0	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	04/15/05 07:44

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 ED51409 - Water Extraction										
Blank (ED51409-BLK1)				Prepared & Analyzed: 04/14/05						
Chloride	ND	0.500	mg/kg							
LCS (ED51409-BS1)				Prepared & Analyzed: 04/14/05						
Chloride	10.9		mg/L	10.0		109	80-120			
Calibration Check (ED51409-CCV1)				Prepared & Analyzed: 04/14/05						
Chloride	10.3		mg/L	10.0		103	80-120			
Duplicate (ED51409-DUP1)		**Source: 5D11012-01**		Prepared & Analyzed: 04/14/05						
Chloride	23.2	5.00	mg/kg		20.0			14.8	20	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	04/15/05 07:44

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 4/15/2005

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 Sanchez, Lab Tech.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: 1 OF: 1

CLIENT NAME: POGO SITE MANAGER: Ike Tavarez

PROJECT NO.: 1469 PROJECT NAME: POGO / Plains Knight TB #1
Lea County, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8082/608	Pest. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
SD11010																													
-01	4-7-05	3:45	S		X	Area #2 (4.0') BED	1				X															X			
-02		3:50	S		X	Area #2 (6.0') BED	1				X															X			
-03		3:55	S		X	Area #2 (8.0') BED	1				X																		
-04		2:40	S		X	Area #5 (2.0') BED	1				X															X			
-05		2:45	S		X	Area #5 (4.0') BED	1				X															X			
-06		2:50	S		X	Area #5 (6.0') BED	1				X																		

RELINQUISHED BY: (Signature) Date: 4-11-05 Time: 2:50
RECEIVED BY: (Signature) Date: Time:
SAMPLED BY: (Print & Sign) Date: 4-11-05 Time: 11:15

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:
SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #: HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:
Results by:

RECEIVING LABORATORY: Environmental Lab of Tx
ADDRESS:
CITY: Odessa STATE: TX ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: 04-11-05 TIME: 1450

HIGHLANDER CONTACT PERSON: Ike Tavarez

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 3.5°C

MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other

REMARKS: 4 oz glass on ice w/seals Seal on cooler

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Highlander Env.

Date/Time: 04-11-05 @ 1450

Order #: 5D11010

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	3.5 C
Shipping container/cooler in good condition?	(Yes)	No	
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?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

Regarding:

_____

_____

_____

Corrective Action Taken:

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_____

Analysis of Sampling
9/09/2005

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ike Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Pogo/ Plains Knight #1 Tank Battery

Project Number: 1469

Location: Lea Co., NM

Lab Order Number: 5I13013

Report Date: 09/15/05

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	09/15/05 17:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1 (5.0'-6.0')	5113013-01	Soil	09/09/05 00:00	09/13/05 16:00
BH-1 (10.0'-11.0')	5113013-02	Soil	09/09/05 00:00	09/13/05 16:00
BH-1 (15.0'-16.0')	5113013-03	Soil	09/09/05 00:00	09/13/05 16:00
BH-2 (5.0'-6.0')	5113013-04	Soil	09/09/05 00:00	09/13/05 16:00
BH-2 (10.0'-11.0')	5113013-05	Soil	09/09/05 00:00	09/13/05 16:00
BH-2 (15.0'-16.0')	5113013-06	Soil	09/09/05 00:00	09/13/05 16:00

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	09/15/05 17:11

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 (5.0'-6.0') (5I13013-01) Soil									
Chloride	**14.0**	5.00	mg/kg	10	EI51507	09/14/05	09/14/05	EPA 300.0	
BH-1 (10.0'-11.0') (5I13013-02) Soil									
Chloride	**9.31**	5.00	mg/kg	10	EI51507	09/14/05	09/14/05	EPA 300.0	
BH-1 (15.0'-16.0') (5I13013-03) Soil									
Chloride	**9.73**	5.00	mg/kg	10	EI51507	09/14/05	09/14/05	EPA 300.0	
BH-2 (5.0'-6.0') (5I13013-04) Soil									
Chloride	**61.0**	5.00	mg/kg	10	EI51507	09/14/05	09/14/05	EPA 300.0	
BH-2 (10.0'-11.0') (5I13013-05) Soil									
Chloride	**59.7**	5.00	mg/kg	10	EI51507	09/14/05	09/14/05	EPA 300.0	
BH-2 (15.0'-16.0') (5I13013-06) Soil									
Chloride	**99.3**	5.00	mg/kg	10	EI51507	09/14/05	09/14/05	EPA 300.0	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	09/15/05 17:11

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 EI51507 - Water Extraction										
Blank (EI51507-BLK1)				Prepared & Analyzed: 09/14/05						
Chloride	ND	0.500	mg/kg							
LCS (EI51507-BS1)				Prepared & Analyzed: 09/14/05						
Chloride	8.62		mg/L	10.0		86.2	80-120			
Calibration Check (EI51507-CCV1)				Prepared & Analyzed: 09/14/05						
Chloride	9.06		mg/L	10.0		90.6	80-120			
Duplicate (EI51507-DUP1)		**Source: 5I09001-01**		Prepared & Analyzed: 09/14/05						
Chloride	801	10.0	mg/kg		796			0.626	20	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Highlander Environmental Corp.	Project: Pogo/ Plains Knight #1 Tank Battery	Fax: (432) 682-3946
1910 N. Big Spring St.	Project Number: 1469	**Reported:**
Midland TX, 79705	Project Manager: Ike Tavarez	09/15/05 17:11

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 9/15/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: 1 OF: 1

CLIENT NAME: POGO SITE MANAGER: Ike Tavarez

PROJECT NO.: 1469 PROJECT NAME: POGO / Plains Knight Lea County, NM

LAB I.D. NUMBER 511301 3	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
-01	9/9/05		S		X	BH-1 (15.0'-16.0')	1				X	
-02			S		X	BH-1 (10.0'-11.0')	1				X	
-03			S		X	BH-1 (15.0'-16.0')	1				X	
-04			S		X	BH-2 (5.0'-6.0')	1				X	
-05			S		X	BH-2 (10.0'-11.0')	1				X	
-06			S		X	BH-2 (15.0'-16.0')	1				X	

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8020/602 | MTBE 8020/602 | TPH 418.1 8015 MOD. TX1005 | PAH 8270 | RCRA Metals Ag As Ba Cd Cr Pb Hg Se | TCLP Metals Ag As Ba Cd Cr Pd Hg Se | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8240/8260/624 | GC/MS Semi. Vol. 8270/625 | PCB's 8080/608 | Pest. 808/608 | EDB, TSS, pH, TDS, Chloride | Gamma Spec. | Alpha Beta (Air) | PLM (Asbestos)

RELINQUISHED BY: (Signature) Date: 9-9-05 Time: 17:00 RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ike Tavarez Ike Tavarez Date: 9/9/05 Time: 3:00

RELINQUISHED BY: (Signature) Date: Time: RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #: HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time: RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: ELT ADDRESS: CITY: Odessa STATE: TX ZIP: CONTACT: PHONE:

RECEIVED BY: (Signature) DATE: 9-13-05 TIME: 1600

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 3.0°C 4oz glass or ice & labels & seals Seal on cooler

MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other

REMARKS:

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Highlander

Date/Time: 9/13/05 16:00

Order #: 5I13013

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	3.0 C
Shipping container/cooler in good condition?	Yes	No	
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?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

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_____

_____

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_____

APPENDIX C

District I · (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II · (505) 748-1283
811 South First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

State of New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-141
Originated 2/13/97

Submit 2 copies to Appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action
OPERATOR

☑ Initial Report ☐ Final Report

Name: Arch Pet INC.	Contact: GARY WELLS
Address: EUNICE NM.	Telephone No.: 505-394-2246
Facility Name: Plains Knight #1	Facility Type: BATTERY

Surface Owner	Mineral Owner	Lease No.
Ricky Joe Doom		35033

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	23	24S	37-E					LEA

NATURE OF RELEASE

Type of Release: OIL	Volume of Release: 7	Volume Recovered: 0
Source of Release: RAN STORAGE TANK OVER	Date and Hour of Occurrence: 3-14-15-00	Date and Hour of Discovery: 3/14 10:00 AM
Was Immediate Notice Given? ☑ Yes ☐ No ☐ Not Required	If YES, To Whom? GARY WINK	
By Whom? GARY WELLS	Date and Hour: 3/14/00 1:14 PM	
Was a Watercourse Reached? ☐ Yes ☑ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully. (Attach Additional Sheets If Necessary)

Describe Cause of Problem and Remedial Action Taken. (Attach Additional Sheets If Necessary)

LEFT EQUALIZER VALVE ON TANK CLOSED - BAD VALVE

Describe Area Affected and Cleanup Action Taken. (Attach Additional Sheets If Necessary)

50'X 3' WIDE AREA IN FRONT OF TANK - AU. OIL SPREAD FRESH DIRT

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

Signature:	OIL CONSERVATION DIVISION
Printed Name: GARY WELLS	Approved by District Supervisor:
Title: FIELD FOREMAN	Approval Date: / Expiration Date:
Date: 3/14/00 Phone: 915-631-0134	Conditions of Approval: / Attached ☐

MAR-14-00 04:14P ARCH EUNICE 505 394 2454 P.01

505 394 2454

03/20/00 14:47 POGO PRODUCING COMPANY → 9191568239 46 NO.003 002

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised June 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Pogo Producing Company	Contact: Pat Ellis
Address: 300 North Marienfeld, Suite 600, Midland TX 79701	Telephone No. (432) 685-8100
Facility Name: Plains Knight #1	Facility Type: Tank Battery

Surface Owner: Becky Doom	Mineral Owner	Lease No. 35033

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	23	24S	37E					Lea

NATURE OF RELEASE

Type of Release Oil	Volume of Release 7 barrels	Volume Recovered 0 barrels
Source of Release Tank (overflow)	Date and Hour of Occurrence 3/14/00	Date and Hour of Discovery 3/14/00 10:00 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Gary Wink, NMOCD	
By Whom? Gary Wells	Date and Hour 3/14/00 1:14 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Oil tank overflow – left equalizer valve on tank closed. To stop overflow, the valve was opened.

Describe Area Affected and Cleanup Action Taken.*

Released 7 barrels of oil and none was recovered. Oil was contained south of the firewall and breached on the northeast end of the tank battery. At the tank battery, the soil impact measured approximately 55' x 4'. The impacted area off-site measured approximately 100' x 60'. The spill area was assessed and excavated to remove soil exceeding the RRAL. In addition, boreholes were installed to define the chloride extents. The final confirmation samples showed TPH and BTEX levels below the RRAL. Assessment and Closure Report has been submitted to the NMOCD for review.

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

Signature: Ike Tavarez	OIL CONSERVATION DIVISION
Printed Name: Ike Tavarez (Agent for Pogo)	Approved by District Supervisor:
Title: Senior Geologist	Approval Date: / Expiration Date:
E-mail Address: itavarez@hec-enviro.com	Conditions of Approval: / Attached ☐
Date: 10/24/05 Phone: (432) 425-3878	

* Attach Additional Sheets If Necessary