

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: OXY USA, Inc.	Contact: Mark Andersen
Address: 6 Desta Drive, Suite 6000, Midland, TX 79705	Telephone No. (432) 685-5824
Facility Name: Dimaggio Tank Battery	Facility Type: Well

Surface Owner	Mineral Owner	Lease No. NM-1800
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30-015-26930

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	16	26S	29E	1650'	South	1693'	East	Eddy

Latitude 32° 02' 24.2N Longitude 103° 59' 10.9W

NATURE OF RELEASE

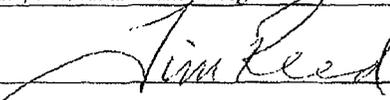
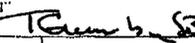
Type of Release Oil	Volume of Release 40 bbls	Volume Recovered 35 bbls
Source of Release Tank Battery	Date and Hour of Occurrence 12-7-07 11:45 AM	Date and Hour of Discovery 12-7-07 @ 11:45 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM - Terry Gregston, NMOCD - Gerry Guye	
By Whom? Johnny Burnett	Date and Hour 12-7-07 12:15 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Oil production being produced to oil tank, tank filled up and equalizing line plugged up and allowed 40 barrels of oil to overflow

Describe Area Affected and Cleanup Action Taken.*
Vacuum truck was called and recovered 35 barrels of oil. Backhoe was utilized to pick up and remove saturated soil. Highlander (Tetra Tech) collected samples from excavation for evaluation. Impacted soils were excavated and hauled to disposal.

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: 	OIL CONSERVATION DIVISION	
Printed Name: Tim Reed (Tetra Tech, Agent for OXY)	Approved by District Supervisor: 	
Title: Sr. Project Manager	Approval Date: 10-1-08	Expiration Date: N/A
E-mail Address: timothy.reed@tetratech.com	Conditions of Approval: N/A	
Date: 8/5/08 Phone: (432) 682-4559	Attached <input type="checkbox"/> N/A	

* Attach Additional Sheets If Necessary

2RP-136



TETRA TECH

AUG 15 2008
OCD-ARTESIA

August 5, 2008

Ms. Sherry Bonham
Environmental Bureau
Oil Conservation Division, District 2
1301 W. Grand Ave.
Artesia, New Mexico 88210

Re: Assessment and Closure Request for the Pogo Producing Company (Now OXY, USA, Inc.), DiMaggio #1 Tank Battery, Located in Unit Letter J, Section 16, Township 26 South, Range 29 East, Eddy County, New Mexico.

Ms. Bonham:

Tetra Tech, (Formerly Highlander Environmental Corp.) was contacted by Pogo Producing Company (now OXY) to collect confirmation samples from a release that occurred at the DiMaggio #1 Tank Battery located at Unit Letter J, Section 16, Township 26 South, Range 29 East, Eddy County, New Mexico. The site location coordinates are N 32.04009° W 103.98632°. The Site is shown on Figure 1.

Background

On December 7, 2008, the oil tank over-flowed, releasing 40 barrels of oil, which was contained inside the southern end of the facility firewalls. A vacuum truck was immediately called out to the site and approximately 35 barrels of oil was recovered from the ground. The impacted area measured approximately 32' x 50'. The State of New Mexico C-141 (Initial) is included in Appendix C.

Groundwater and Regulatory

According to the Ground Water Report 3, "Geology and Ground-Water Resources of Eddy County, New Mexico", there is one well in Section 16 (26.29.16.220) with a reported depth to groundwater of 125' below ground surface (bgs). Copies of the water level data are enclosed 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 mg/kg and 50 mg/kg for total BTEX (sum of benzene, toluene, ethylbenzene and xylene). Based upon the apparent regional depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Soil Assessment

On January 23, 2008, Highlander inspected and assessed the spill area. Prior to sampling, Pogo supervised the removal of approximately 6" of impacted soil from the spill area and backfilled with clean caliche. A total of five (5) auger holes were installed inside the tank battery facility firewall to assess the spill area. Samples were collected to the top of a dense caliche layer. Soil samples collected were analyzed for evaluation by method 8015M, BTEX by method 8021B and chloride by method 300.0. The sample locations are shown on Figure 2. The sampling results are summarized in Table 1.

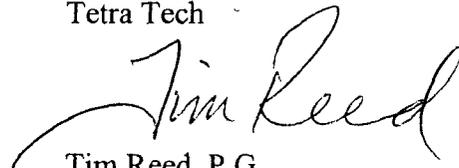
Soil Sample Results

Referring to Table 1, none of the samples exceeded the RRALs for TPH or BTEX. The chloride concentrations ranged from <100 mg/kg to 1980 mg/kg. AH-3 and AH-4 showed chloride concentrations of 181 mg/kg (0.5-1.0') and <100 mg/kg (0.5-1.0'), respectively. The remaining auger holes (AH-1, AH-3 and AH-5) were not vertically defined, with bottom hole samples exceeding 1,000 mg/kg.

Based on the data, the hydrocarbon stained soils inside the tank battery were excavated to a depth of 0.5' below surface and hauled to disposal. These areas were backfilled with clean material. In order to define the vertical extent of chloride impact, three backhoe trenches were installed. Due to piping and accessibility, a trench could not be placed in the vicinity of AH-5. The trench locations are shown on Figure 3. Chloride concentrations in the trenches declined with depth. The chloride concentration in T-1 (AH-1) at 3.0' bgs was 509 mg/kg. The concentration in T-2 (AH-2) declined to 681 mg/kg at 10.0' bgs and in T-3 (AH-3) to 175 mg/kg at 4.0' bgs.

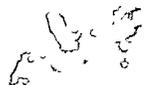
Based upon the results of the sampling, depth to groundwater and location of the spill area inside the facility firewall, OXY requests closure of this site. A copy of the C-141 (Final) is included in Appendix A. If you have any question or comments concerning the assessment or the closure request, please call me at (432) 682-4559.

Respectfully submitted,
Tetra Tech



Tim Reed, P.G.
Sr. Project Manager

cc: Mark Andersen - OXY



TABLE



Table 1
Pogo Producing Company
DiMaggio #1 Tank Battery
Eddy County, New Mexico

Sample ID	Soils Status		Date Sampled	Sample Depth (ft)	TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
	In situ	Removed			DRO	GRO	Total					
AH-1	X		1/23/2008	0.5-1.5	105	5.63	110.6	<0.0200	<0.0200	<0.0200	0.444	1,090
(T-1)	X		4/24/2008	2.0								1,920
	X		4/24/2008	3.0								509
AH-2	X		1/23/2008	0.5-1.5	89.8	50.2	140	<0.0200	<0.0200	<0.0200	0.0659	1,210
	X		1/23/2008	1.5-2.0	64.2	3.9	68.1	-	-	-	-	952
	X		1/23/2008	2.5-3.0	-	-	-	-	-	-	-	1,500
(T-2)	X		4/24/2008	3.0	-	-	-	-	-	-	-	1,730
	X		4/24/2008	4.0	-	-	-	-	-	-	-	2,150
	X		4/24/2008	5.0	-	-	-	-	-	-	-	714
	X		4/24/2008	6.0	-	-	-	-	-	-	-	1,800
	X		5/19/2008	8.0	-	-	-	-	-	-	-	1,500
	X		5/19/2008	10.0	-	-	-	-	-	-	-	681
AH-3	X		1/23/2008	0.5-1.0	1,930	3,020	4,950.0	0.897	9.02	6.08	23.6	181
(T-3)	X		4/24/2008	2.0	<50.0	<1.0	<50.0	<0.01	0.01	<0.01	<0.01	599
	X		4/24/2008	3.0	<50.0	<1.0	<50.0	<0.01	0.0249	<0.01	<0.01	1,010
	X		4/24/2008	4.0	-	-	-	-	-	-	-	175
	X		4/24/2008	5.0	-	-	-	-	-	-	-	275
AH-4	X		1/23/2008	0.5-1.0	70.3	17	87.3	<0.0100	0.019	<0.0100	0.0345	<100
AH-5	X		1/23/2008	0.5-1.0	<50.0	7.8	7.8	<0.0100	<0.0100	<0.0100	<0.0100	1,980

(-) Not Analyzed



FIGURES

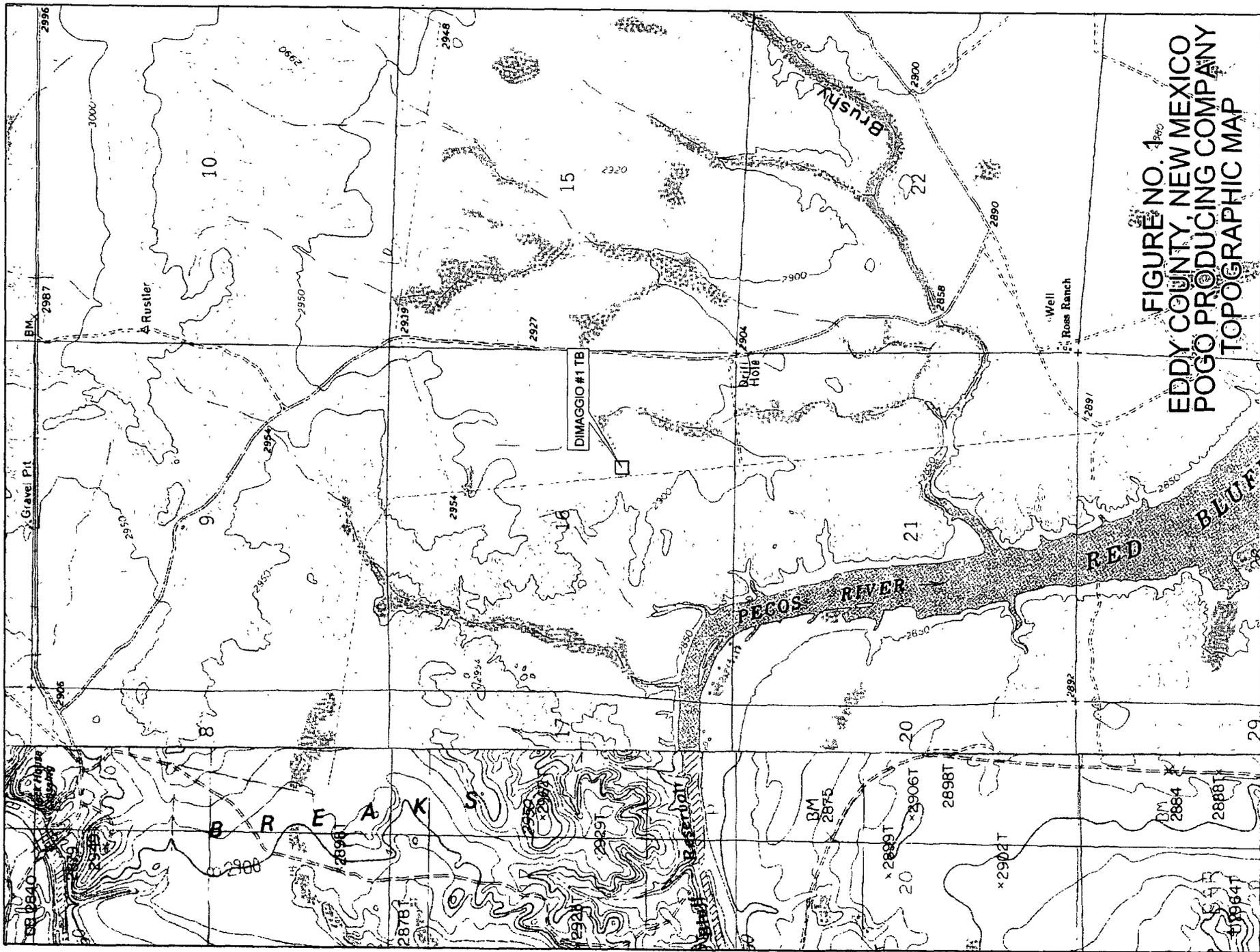
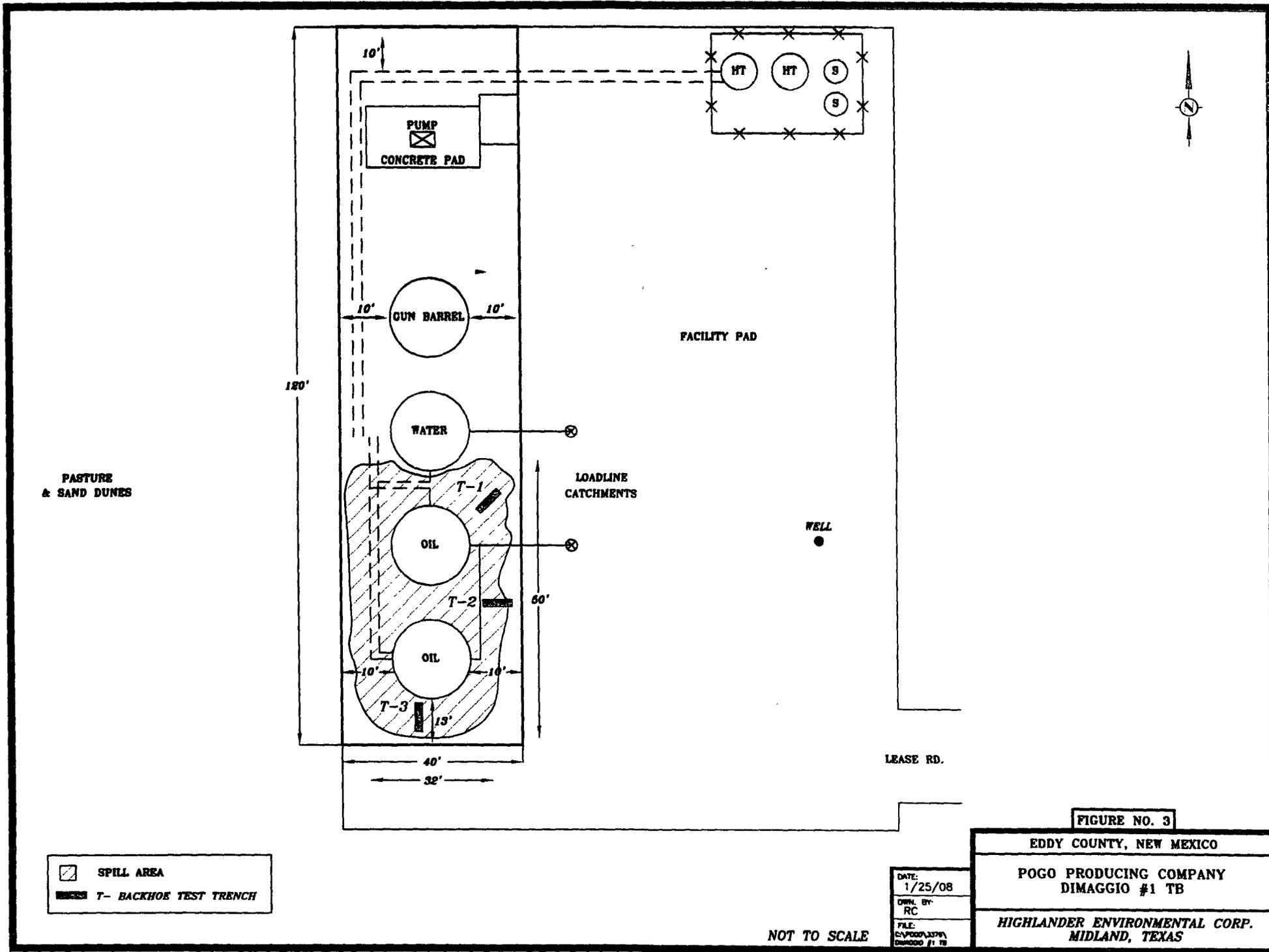


FIGURE NO. 1
EDDY COUNTY, NEW MEXICO
POGO PRODUCING COMPANY
TOPOGRAPHIC MAP

Scale 1 : 24,000
 1" = 2000 ft





 SPILL AREA
 T- BACKHOE TEST TRENCH

DATE: 1/25/08
 DWN. BY: RC
 FILE: C:\P020\3379\DIMAGGIO #1 TB

FIGURE NO. 3
 EDDY COUNTY, NEW MEXICO
 POGO PRODUCING COMPANY
 DIMAGGIO #1 TB
 HIGHLANDER ENVIRONMENTAL CORP.
 MIDLAND, TEXAS

NOT TO SCALE

**APPENDIX A
GROUNDWATER DATA**

**Water Well - Average Depth to Groundwater
Pogo - Damaggio #, Eddy County, New Mexico**

South		East			
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

South		East			
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

South		East			
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

South		East			
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

26 South		29 East			
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

South		East			
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

South		East			
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

South		East			
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

South		East			
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

150 Average depth to groundwater (ft) - New Mexico State Engineer Well Reports

56 Groundwater Depth (ft) - Geology and Groundwater Resources of Eddy County, New Mexico (Report 3)

Site Location

GROUND WATER

EDDY COUNTY

157

WATER LEVEL						
LOCATION NUMBER	BELOW LAND SURFACE (feet)	DATE OF MEASUREMENT	YIELD (g.p.m.)	METHOD OF LIFT	USE OF WATER	REMARKS
26.28.13.110	56.0	Dec. 15, 1948	3	W	S	See analysis, Table 3.
26.29.16.220	125.0	Mar. 11, 1949	-	W	S	
26.30.8.110	172.0	Dec. 15, 1948	3 E.	W	S	Depth to water measured while pumping. See analysis, Table 3.
26.31.1.000	287.7	Mar. 10, 1949	-	W	S	East well of two. See analysis, Table 3.
8.310	250	-	-	W	D & S	See analysis, Table 3.
8.310a	278.5	Mar. 10, 1949	-	N	N	100 ft. southwest of above well.

See explanation at beginning of table.

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 26S Range: 29E 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 09/01/2005

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet)		
								Min	Max	Avg
C	26S	29E	26				1	85	85	85

Record Count: 1

**APPENDIX B
LAB ANALYSIS**

LAB ANALYSIS
APRIL 30, 2008

Summary Report

Ike Tavarez
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: April 30, 2008

Work Order: 8042515



Project Location: Eddy County, NM
Project Name: OXY/Dimaggio #1 TB
Project Number: 3376

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
157899	T-1 2.0'	soil	2008-04-24	00:00	2008-04-25
157900	T-1 3.0'	soil	2008-04-24	00:00	2008-04-25
157904	T-2 3.0'	soil	2008-04-24	00:00	2008-04-25
157905	T-2 4.0'	soil	2008-04-24	00:00	2008-04-25
157906	T-2 5.0'	soil	2008-04-24	00:00	2008-04-25
157907	T-2 6.0'	soil	2008-04-24	00:00	2008-04-25
157908	T-3 2.0'	soil	2008-04-24	00:00	2008-04-25
157909	T-3 3.0'	soil	2008-04-24	00:00	2008-04-25
157910	T-3 4.0'	soil	2008-04-24	00:00	2008-04-25
157911	T-3 5.0'	soil	2008-04-24	00:00	2008-04-25

Sample - Field Code	BTEX				TPH DRO	TPH GRO
	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
157908 - T-3 2.0'	<0.0100	0.0101	<0.0100	<0.0100	<50.0	<1.00
157909 - T-3 3.0'	<0.0100	0.0249	<0.0100	<0.0100	<50.0	<1.00

Sample: 157899 - T-1 2.0'

Param	Flag	Result	Units	RL
Chloride		1920	mg/Kg	2.00

Sample: 157900 - T-1 3.0'

Param	Flag	Result	Units	RL
Chloride		509	mg/Kg	2.00

Sample: 157904 - T-2 3.0'

Param	Flag	Result	Units	RL
Chloride		1730	mg/Kg	2.00

Sample: 157905 - T-2 4.0'

Param	Flag	Result	Units	RL
Chloride		2150	mg/Kg	2.00

Sample: 157906 - T-2 5.0'

Param	Flag	Result	Units	RL
Chloride		714	mg/Kg	2.00

Sample: 157907 - T-2 6.0'

Param	Flag	Result	Units	RL
Chloride		1800	mg/Kg	2.00

Sample: 157908 - T-3 2.0'

Param	Flag	Result	Units	RL
Chloride		599	mg/Kg	3.25

Sample: 157909 - T-3 3.0'

Param	Flag	Result	Units	RL
Chloride		1010	mg/Kg	3.25

Sample: 157910 - T-3 4.0'

Param	Flag	Result	Units	RL
Chloride		175	mg/Kg	2.00

Sample: 157911 - T-3 5.0'

Param	Flag	Result	Units	RL
Chloride		275	mg/Kg	2.00



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft Worth, Texas 76132 817•201•5260
 E-Mail lab@traceanalysis.com

Analytical and Quality Control Report

Ike Tavarez
 Highlander Environmental Services
 1910 N. Big Spring Street
 Midland, TX, 79705

Report Date: April 30, 2008

Work Order: 8042515



Project Location: Eddy County, NM
 Project Name: OXY/Dimaggio #1 TB
 Project Number: 3376

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
157899	T-1 2.0'	soil	2008-04-24	00:00	2008-04-25
157900	T-1 3.0'	soil	2008-04-24	00:00	2008-04-25
157904	T-2 3.0'	soil	2008-04-24	00:00	2008-04-25
157905	T-2 4.0'	soil	2008-04-24	00:00	2008-04-25
157906	T-2 5.0'	soil	2008-04-24	00:00	2008-04-25
157907	T-2 6.0'	soil	2008-04-24	00:00	2008-04-25
157908	T-3 2.0'	soil	2008-04-24	00:00	2008-04-25
157909	T-3 3.0'	soil	2008-04-24	00:00	2008-04-25
157910	T-3 4.0'	soil	2008-04-24	00:00	2008-04-25
157911	T-3 5.0'	soil	2008-04-24	00:00	2008-04-25

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 14 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the *method blank*.

Analytical Report

Sample: 157899 - T-1 2.0'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 47898 Date Analyzed: 2008-04-29 Analyzed By: AR
Prep Batch: 41186 Sample Preparation: 2008-04-29 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1920	mg/Kg	50	2.00

Sample: 157900 - T-1 3.0'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 47898 Date Analyzed: 2008-04-29 Analyzed By: AR
Prep Batch: 41186 Sample Preparation: 2008-04-29 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		509	mg/Kg	50	2.00

Sample: 157904 - T-2 3.0'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 47898 Date Analyzed: 2008-04-29 Analyzed By: AR
Prep Batch: 41186 Sample Preparation: 2008-04-29 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1730	mg/Kg	50	2.00

Sample: 157905 - T-2 4.0'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 47898 Date Analyzed: 2008-04-29 Analyzed By: AR
Prep Batch: 41186 Sample Preparation: 2008-04-29 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2150	mg/Kg	50	2.00

Sample: 157906 - T-2 5.0'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 47898 Date Analyzed: 2008-04-29 Analyzed By: AR
Prep Batch: 41186 Sample Preparation: 2008-04-29 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		714	mg/Kg	50	2.00

Sample: 157907 - T-2 6.0'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
 QC Batch: 47898 Date Analyzed: 2008-04-29 Analyzed By: AR
 Prep Batch: 41186 Sample Preparation: 2008-04-29 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1800	mg/Kg	50	2.00

Sample: 157908 - T-3 2.0'

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
 QC Batch: 47923 Date Analyzed: 2008-04-29 Analyzed By: MT
 Prep Batch: 41211 Sample Preparation: 2008-04-29 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		0.0101	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.857	mg/Kg	1	1.00	86	67.4 - 126
4-Bromofluorobenzene (4-BFB)		1.05	mg/Kg	1	1.00	105	59.2 - 162

Sample: 157908 - T-3 2.0'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
 QC Batch: 47954 Date Analyzed: 2008-04-30 Analyzed By: RG
 Prep Batch: 41239 Sample Preparation: 2008-04-30 Prepared By: RG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		599	mg/Kg	10	3.25

Sample: 157908 - T-3 2.0'

Analysis: TPH DRO Analytical Method: Mod. 8015B Prep Method: N/A
 QC Batch: 47932 Date Analyzed: 2008-04-29 Analyzed By: RM
 Prep Batch: 41218 Sample Preparation: 2008-04-29 Prepared By: RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		132	mg/Kg	1	100	132	49.5 - 185

Sample: 157908 - T-3 2.0'

Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035
 QC Batch: 47924 Date Analyzed: 2008-04-29 Analyzed By: MT
 Prep Batch: 41211 Sample Preparation: 2008-04-29 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	75.6 - 128
4-Bromofluorobenzene (4-BFB)		1.34	mg/Kg	1	1.00	134	78.5 - 139

Sample: 157909 - T-3 3.0'

Analysis: BTEX Analytical Method: S 8021B Prep Method: S 5035
 QC Batch: 47923 Date Analyzed: 2008-04-29 Analyzed By: MT
 Prep Batch: 41211 Sample Preparation: 2008-04-29 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		0.0249	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene		<0.0100	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.943	mg/Kg	1	1.00	94	67.4 - 126
4-Bromofluorobenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	59.2 - 162

Sample: 157909 - T-3 3.0'

Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
 QC Batch: 47954 Date Analyzed: 2008-04-30 Analyzed By: RG
 Prep Batch: 41239 Sample Preparation: 2008-04-30 Prepared By: RG

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1010	mg/Kg	10	3.25

Sample: 157909 - T-3 3.0'

Analysis: TPH DRO	Analytical Method: Mod. 8015B	Prep Method: N/A
QC Batch: 47932	Date Analyzed: 2008-04-29	Analyzed By: RM
Prep Batch: 41218	Sample Preparation: 2008-04-29	Prepared By: RM

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		168	mg/Kg	1	100	168	49.5 - 185

Sample: 157909 - T-3 3.0'

Analysis: TPH GRO	Analytical Method: S 8015B	Prep Method: S 5035
QC Batch: 47924	Date Analyzed: 2008-04-29	Analyzed By: MT
Prep Batch: 41211	Sample Preparation: 2008-04-29	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.13	mg/Kg	1	1.00	113	75.6 - 128
4-Bromofluorobenzene (4-BFB)		1.36	mg/Kg	1	1.00	136	78.5 - 139

Sample: 157910 - T-3 4.0'

Analysis: Chloride (Titration)	Analytical Method: SM 4500-Cl B	Prep Method: N/A
QC Batch: 47898	Date Analyzed: 2008-04-29	Analyzed By: AR
Prep Batch: 41186	Sample Preparation: 2008-04-29	Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		175	mg/Kg	50	2.00

Sample: 157911 - T-3 5.0'

Analysis: Chloride (Titration)	Analytical Method: SM 4500-Cl B	Prep Method: N/A
QC Batch: 47899	Date Analyzed: 2008-04-29	Analyzed By: AR
Prep Batch: 41187	Sample Preparation: 2008-04-29	Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		275	mg/Kg	50	2.00

Method Blank (1) QC Batch: 47898

QC Batch: 47898
Prep Batch: 41186

Date Analyzed: 2008-04-29
QC Preparation: 2008-04-29

Analyzed By: AR
Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 47899

QC Batch: 47899
Prep Batch: 41187

Date Analyzed: 2008-04-29
QC Preparation: 2008-04-29

Analyzed By: AR
Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 47923

QC Batch: 47923
Prep Batch: 41211

Date Analyzed: 2008-04-29
QC Preparation: 2008-04-29

Analyzed By: MT
Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00347	mg/Kg	0.01
Toluene		<0.00525	mg/Kg	0.01
Ethylbenzene		<0.00607	mg/Kg	0.01
Xylene		<0.00724	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.816	mg/Kg	1	1.00	82	70.4 - 111
4-Bromofluorobenzene (4-BFB)	¹	0.424	mg/Kg	1	1.00	42	42.4 - 99.7

Method Blank (1) QC Batch: 47924

QC Batch: 47924
Prep Batch: 41211

Date Analyzed: 2008-04-29
QC Preparation: 2008-04-29

Analyzed By: MT
Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
GRO		<0.144	mg/Kg	1

¹BFB surrogate recovery within control chart limits.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.974	mg/Kg	1	1.00	97	85 - 116
4-Bromofluorobenzene (4-BFB)		0.561	mg/Kg	1	1.00	56	45.2 - 98.8

Method Blank (1) QC Batch: 47932

QC Batch: 47932 Date Analyzed: 2008-04-29 Analyzed By: RM
Prep Batch: 41218 QC Preparation: 2008-04-29 Prepared By: RM

Parameter	Flag	MDL Result	Units	RL
DRO		<6.77	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		166	mg/Kg	1	100	166	49.5 - 185

Method Blank (1) QC Batch: 47954

QC Batch: 47954 Date Analyzed: 2008-04-30 Analyzed By: RG
Prep Batch: 41239 QC Preparation: 2008-04-30 Prepared By: RG

Parameter	Flag	MDL Result	Units	RL
Chloride		<1.80	mg/Kg	3.25

Laboratory Control Spike (LCS-1)

QC Batch: 47898 Date Analyzed: 2008-04-29 Analyzed By: AR
Prep Batch: 41186 QC Preparation: 2008-04-29 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.0	mg/Kg	1	100	<0.500	99	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit
Chloride	100	mg/Kg	1	100	<0.500	100	85 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47899 Date Analyzed: 2008-04-29 Analyzed By: AR
Prep Batch: 41187 QC Preparation: 2008-04-29 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	97.6	mg/Kg	1	100	<0.500	98	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	100	mg/Kg	1	100	<0.500	100	85 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47923
Prep Batch: 41211

Date Analyzed: 2008-04-29
QC Preparation: 2008-04-29

Analyzed By: MT
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	0.911	mg/Kg	1	1.00	<0.00347	91	77.2 - 116
Toluene	0.904	mg/Kg	1	1.00	<0.00525	90	77.4 - 116
Ethylbenzene	0.908	mg/Kg	1	1.00	<0.00607	91	77.4 - 112
Xylene	2.72	mg/Kg	1	3.00	<0.00724	91	78.8 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.935	mg/Kg	1	1.00	<0.00347	94	77.2 - 116	3	20
Toluene	0.928	mg/Kg	1	1.00	<0.00525	93	77.4 - 116	3	20
Ethylbenzene	0.930	mg/Kg	1	1.00	<0.00607	93	77.4 - 112	2	20
Xylene	2.79	mg/Kg	1	3.00	<0.00724	93	78.8 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.911	0.914	mg/Kg	1	1.00	91	91	74.2 - 114
4-Bromofluorobenzene (4-BFB)	0.884	0.891	mg/Kg	1	1.00	88	89	75.7 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 47924
Prep Batch: 41211

Date Analyzed: 2008-04-29
QC Preparation: 2008-04-29

Analyzed By: MT
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.96	mg/Kg	1	10.0	<0.144	100	76.4 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	9.70	mg/Kg	1	10.0	<0.144	97	76.4 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.996	0.941	mg/Kg	1	1.00	100	94	80.3 - 113
4-Bromofluorobenzene (4-BFB)	0.972	0.953	mg/Kg	1	1.00	97	95	70.7 - 110

Laboratory Control Spike (LCS-1)

QC Batch: 47932
Prep Batch: 41218

Date Analyzed: 2008-04-29
QC Preparation: 2008-04-29

Analyzed By: RM
Prepared By: RM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	265	mg/Kg	1	250	<6.77	106	73.9 - 138

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	262	mg/Kg	1	250	<6.77	105	73.9 - 138	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
n-Triacontane	119	121	mg/Kg	1	100	119	121	49.5 - 185

Laboratory Control Spike (LCS-1)

QC Batch: 47954
Prep Batch: 41239

Date Analyzed: 2008-04-30
QC Preparation: 2008-04-30

Analyzed By: RG
Prepared By: RG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.1	mg/Kg	1	100	<1.80	99	96.8 - 103

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	99.7	mg/Kg	1	100	<1.80	100	96.8 - 103	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157910

QC Batch: 47898
Prep Batch: 41186

Date Analyzed: 2008-04-29
QC Preparation: 2008-04-29

Analyzed By: AR
Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	5220	mg/Kg	50	5000	174.74	101	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	279	mg/Kg	1	250	<6.77	112	50.7 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	284	mg/Kg	1	250	<6.77	114	50.7 - 134	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	132	132	mg/Kg	1	100	132	132	49.5 - 185

Matrix Spike (MS-1) Spiked Sample: 158068

QC Batch: 47954
Prep Batch: 41239

Date Analyzed: 2008-04-30
QC Preparation: 2008-04-30

Analyzed By: RG
Prepared By: RG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	522	mg/Kg	10	500	23.1	100	76.4 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	508	mg/Kg	10	500	23.1	97	76.4 - 123	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 47898

Date Analyzed: 2008-04-29

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.8	100	85 - 115	2008-04-29

Standard (CCV-1)

QC Batch: 47898

Date Analyzed: 2008-04-29

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2008-04-29

Standard (ICV-1)

QC Batch: 47899

Date Analyzed: 2008-04-29

Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	104	104	85 - 115	2008-04-29

Standard (CCV-1)

QC Batch: 47899

Date Analyzed: 2008-04-29

Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	95.9	96	85 - 115	2008-04-29

Standard (ICV-1)

QC Batch: 47923

Date Analyzed: 2008-04-29

Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0927	93	85 - 115	2008-04-29
Toluene		mg/Kg	0.100	0.0910	91	85 - 115	2008-04-29
Ethylbenzene		mg/Kg	0.100	0.0917	92	85 - 115	2008-04-29
Xylene		mg/Kg	0.300	0.275	92	85 - 115	2008-04-29

Standard (CCV-1)

QC Batch: 47923

Date Analyzed: 2008-04-29

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0935	94	85 - 115	2008-04-29
Toluene		mg/Kg	0.100	0.0925	92	85 - 115	2008-04-29
Ethylbenzene		mg/Kg	0.100	0.0929	93	85 - 115	2008-04-29
Xylene		mg/Kg	0.300	0.279	93	85 - 115	2008-04-29

Standard (ICV-1)

QC Batch: 47924

Date Analyzed: 2008-04-29

Analyzed By: MT

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.920	92	85 - 115	2008-04-29

Standard (CCV-1)

QC Batch: 47924

Date Analyzed: 2008-04-29

Analyzed By: MT

W0 # 8042515

Analysis Request of Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559

Fax (432) 682-3946

CLIENT NAME:

Ox

SITE MANAGER:

Highlander

PROJECT NO.: *3376*

Dim # 910 # 1 TB

3376 CS NUM.

SAMPLE IDENTIFICATION

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	NUMBER OF CONTAINERS	PREPARATIVE METHOD
15790842408			S			1	
909			S			1	
910			S			1	
911			S			1	

REMOVED BY: (Signature) <i>[Signature]</i> Date: <i>4/23/08</i> Time: <i>9:40</i>	REMOVED BY: (Signature) _____ Date: _____ Time: _____	REMOVED BY: (Signature) _____ Date: _____ Time: _____	REMOVED BY: (Signature) _____ Date: _____ Time: _____
REMOVED BY: (Signature) _____ Date: _____ Time: _____	REMOVED BY: (Signature) _____ Date: _____ Time: _____	REMOVED BY: (Signature) _____ Date: _____ Time: _____	REMOVED BY: (Signature) _____ Date: _____ Time: _____

RECEIVING LABORATORY: *Trace*
ADDRESS: _____
CITY: _____
STATE: _____
ZIP: _____
PHONE: _____
DATE: *4/23/08*
TIME: *9:40*
REMARKS: *all rock - midland*
SAMPLE CONDITION WHEN RECEIVED: *3.2 intact*

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.

PAGE: *2* OF: *2*

ANALYSIS REQUEST
(Circle or Specify Method No.)

ANALYSIS REQUEST (Circle or Specify Method No.)

ETEX 8021B TX1005 (Ext. to C35)

PH 8015 MOD.

PAH 8270

ROFA Metals Ag As Ba Cd Cr Pb Hg Se

TCLP Metals Ag As Ba Cd Vr Pd Hg Se

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC.MS Vol. 8240/8260/824

GC.MS Semi. Vol. 8270/825

PCB's 8090/608

Pest. 808/608

Chloride

Gamma Spec.

Alpha Beta (Air)

PLM (Asbestos)

Major Anions/Cations, pH, TDS

HIGHLANDER CONTACT PERSON: *De la Fuente*

HAND DELIVERED: UPS FEDEX BUS

OTHER: _____

ARBILL #: _____

SAMPLE SHIPPED BY: (Circle) *De la Fuente*

RESULTS BY: _____

RUSH CHARGES AUTHORIZED: YES NO

LAB ANALYSIS
MAY 29, 2008

Summary Report

Ike Tavarez
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: May 29, 2008

Work Order: 8052235



Project Location: Eddy County, NM
Project Name: OXY/Dimaggio TB
Project Number: 3376

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
160960	#2 8.0'	soil	2008-05-19	00:00	2008-05-22
160961	#2 10.0'	soil	2008-05-19	00:00	2008-05-22

Sample: 160960 - #2 8.0'

Param	Flag	Result	Units	RL
Chloride		1500	mg/Kg	2.00

Sample: 160961 - #2 10.0'

Param	Flag	Result	Units	RL
Chloride		681	mg/Kg	2.00



67011 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail lab@traceanalysis.com

Analytical and Quality Control Report

Ike Tavarez
 Highlander Environmental Services
 1910 N. Big Spring Street
 Midland, TX, 79705

Report Date: May 29, 2008

Work Order: 8052235



Project Location: Eddy County, NM
 Project Name: OXY/Dimaggio TB
 Project Number: 3376

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
160960	#2 8.0'	soil	2008-05-19	00:00	2008-05-22
160961	#2 10.0'	soil	2008-05-19	00:00	2008-05-22

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 7 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Certifications

Lubbock - NELAP T104704219-08-TX
El Paso - NELAP T104704221-08-TX

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project OXY/Dimaggio TB were received by TraceAnalysis, Inc. on 2008-05-22 and assigned to work order 8052235. Samples for work order 8052235 were received intact at a temperature of 3.2 deg C.

Samples were analyzed for the following tests using their respective methods.

<u>Test</u>	<u>Method</u>
Chloride (Titration)	SM 4500-Cl B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 8052235 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Report Date: May 29, 2008
3376

Work Order: 8052235
OXY/Dimaggio TB

Page Number: 4 of 7
Eddy County, NM

Analytical Report

Sample: 160960 - #2 8.0'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 48805 Date Analyzed: 2008-05-28 Analyzed By: AR
Prep Batch: 41939 Sample Preparation: 2008-05-22 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1500	mg/Kg	50	2.00

Sample: 160961 - #2 10.0'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 48830 Date Analyzed: 2008-05-28 Analyzed By: AR
Prep Batch: 41963 Sample Preparation: 2008-05-28 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		681	mg/Kg	50	2.00

Method Blank (1) QC Batch: 48805

QC Batch: 48805 Date Analyzed: 2008-05-28 Analyzed By: AR
Prep Batch: 41939 QC Preparation: 2008-05-22 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 48830

QC Batch: 48830 Date Analyzed: 2008-05-28 Analyzed By: AR
Prep Batch: 41963 QC Preparation: 2008-05-22 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Matrix Spike (MS-1) Spiked Sample: 161252

QC Batch: 48830 Date Analyzed: 2008-05-28 Analyzed By: AR
Prep Batch: 41963 QC Preparation: 2008-05-22 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13700	mg/Kg	50	5000	8612	102	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	13800	mg/Kg	50	5000	8612	104	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 48805 Date Analyzed: 2008-05-28 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.7	100	85 - 115	2008-05-28

Standard (CCV-1)

QC Batch: 48805 Date Analyzed: 2008-05-28 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2008-05-28

Standard (ICV-1)

QC Batch: 48830 Date Analyzed: 2008-05-28 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.3	99	85 - 115	2008-05-28

Standard (CCV-1)

QC Batch: 48830 Date Analyzed: 2008-05-28 Analyzed By: AR

Report Date: May 29, 2008
3376

Work Order: 8052235
OXY/Dimaggio TB

Page Number: 7 of 7
Eddy County, NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2008-05-28

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

CLIENT NAME: Oil SITE MANAGER: KE Lora

PROJECT NO.: 3376 PROJECT NAME: Oil

LAB ID.	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION
16096	5-9-08	#2				8.0'
16096	5-15-08	#2				10.0'

NUMBER OF CONTAINERS	PRESERVATIVE	METHOD
NUMBER OF CONTAINERS	HCL	
	HNO3	
	ICE	
	NONE	

RECEIVED BY: (Signature) DATE: 5/12/08

RECEIVING LABORATORY: ADDRESS: CITY: STATE: ZIP: PHONE: DATE: TIME: MATRIX: W-Water A-Air SD-Solid 0-Other

REMARKS: all data - Midland

HIGHLANDER CONTACT PERSON: De Kury

RECEIVED BY: (Signature) DATE: TIME: MATRIX: W-Water A-Air SD-Solid 0-Other

RECEIVED BY: (Signature) DATE: TIME: MATRIX: W-Water A-Air SD-Solid 0-Other

RECEIVED BY: (Signature) DATE: TIME: MATRIX: W-Water A-Air SD-Solid 0-Other

RECEIVED BY: (Signature) DATE: TIME: MATRIX: W-Water A-Air SD-Solid 0-Other

ANALYSIS REQUEST (Circle or Specify Method No.)

PAGE: 1 OF 1

W0 # 805 2255

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.

**APPENDIX C
FORM C-141**

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company <i>Pogo Producing Co.</i>	Contact <i>PAT ELLIS</i>
Address <i>P.O. Box 10342 Midland, TX 79702</i>	Telephone No. <i>(432) 685-8100</i>
Facility Name <i>D: Maggio Tank BATTERY</i>	Facility Type <i>TANK BATTERY</i>
Surface Owner	Mineral Owner
Lease No. <i>NM-1800</i>	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<i>J</i>	<i>16</i>	<i>26S</i>	<i>29E</i>	<i>1650</i>	<i>South</i>	<i>1693</i>	<i>East</i>	<i>Eddy</i>

Latitude *32 02 24.2N* Longitude *103 59 10.9 W*

NATURE OF RELEASE

Type of Release <i>Oil</i>	Volume of Release <i>40 BBLs</i>	Volume Recovered <i>35 BBLs</i>
Source of Release <i>TANK BATTERY</i>	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <i>12-7-07 11:45 AM</i> <i>NMOCG GERRY GUYE 12-7-07 12:15 PM</i> <i>BLM TERRY 12-7-07 12:45 PM</i>	
By Whom? <i>Johnny Burnett</i>	Date and Hour <i>12-7-07 12:15 PM</i>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

NA

Describe Cause of Problem and Remedial Action Taken.*

Oil production being produced to oil tank, tank filled up and equalizing line plugged up and allowed 40 BBLs of oil to overflow.

Describe Area Affected and Cleanup Action Taken.*

Vacuum truck was called and recovered 35 BBLs of oil. Backhoe was utilized to pick up and remove saturated soil. Highlander Environmental will take soil samples and review for closure workplan.

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: <i>Patrick L. Ellis</i>	OIL CONSERVATION DIVISION	
Printed Name: <i>PATRICK L. ELLIS</i>	Approved by District Supervisor:	
Title: <i>EHS Supervisor</i>	Approval Date:	Expiration Date:
E-mail Address: <i>ellispl@pogoproducing.com</i>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <i>1-22-08</i> Phone: <i>685-8100</i>		

* Attach Additional Sheets If Necessary