

November 10, 2006

Mr. Larry Johnson
Environmental Engineer
New Mexico Oil Conservation Division - District 1
1625 N. French Drive
Hobbs, New Mexico 88240



Re: 1RP-1111 Investigation Report and Abatement Plan for the Dauron #1 Tank Battery, XTO Energy, Inc., Unit E (SW/4, NW/4), Section 1, Township 21 South, Range 37 East, Lea County, New Mexico

Dear Mr. Johnson:

Please find the enclosed report and abatement plan for a closed emergency pit at the XTO Energy, Inc. ("XTO") Dauron #1 well and tank battery located in Unit E (SW/4, NW/4), Section 1, Township 21 South, Range 37 East, in Lea County, New Mexico. XTO to excavate soil to the horizontal limits of the pit and approximately nine (9) feet below ground surface, install a polyethylene (pit) liner (20 mills) and fill the remainder of the excavation with clean soil. The final grade will be crowned to shed water and seeded to range grasses. Contaminated soil will be disposed at Sundance Disposal Services, Inc., located east of Eunice, New Mexico. XTO requests OCD authorization to proceed with remediation as defined above and will submit a final report to OCD upon completion of the project. Please call Mr. Dudley McMinn at (432) 682-8873 or email Dudley_McMinn@xtoenergy.com if you have questions. I may be reached with questions at (432) 687-0901 or email mark@laenvironmental.com.

Sincerely,

Larson and Associates, Inc.

RP# 1111

Mark J. Larson, P.G., C.P.G., C.G.W.P.
Senior Project Manager/President

Enclosures

cc: Dudley McMinn/XTO
Guy Haykus/XTO
Nina Hutton/XTO

Facility - APAC0631830745
Incident - n PAC0631830874
application - pPAC0631831253



November 9, 2006

VIA CERTIFIED MAIL

Mr. Larry Johnson
Environmental Engineer
New Mexico Oil Conservation Division - District 1
1625 N. French Drive
Hobbs, New Mexico 88240

Re: 1RP-1111, Surface Pit Investigation Results and Abatement Plan, XTO Energy, Inc., Dauron #1 Tank Battery, Unit E (SW/4, NW/4), Section 1, Township 21 South, Range 37 East, Lea County, New Mexico

Dear Mr. Johnson:

This letter is submitted to the State of New Mexico, Oil Conservation Division ("OCD") on behalf of XTO Energy, Inc. ("XTO") by Larson and Associates, Inc. ("LA"), its consultant, to present the laboratory results of soil samples collected at a closed surface pit ("Site") located southeast of the Dauron #1 well and tank battery operated by XTO in Unit E (SW/4, NW/4), Section 1, Township 21 South, Range 37 East, in Lea County, New Mexico. The Site is located at latitude north 32°, 22', 51.1" and longitude west 103°, 08', 16.9". Figure 1 presents a location and topographic map. Figure 2 presents a Site drawing. Contact information for XTO is as follows:

Name: Mr. Dudley McMinn
Title: Safety Coordinator
Address: 200 N. Loraine Street, Suite 800
Midland, Texas 79701
Telephone: (432) 682-8873
Cellular: (432) 557-7976
Email: Dudley_McMinn@xtoenergy.com

Background

The Site was closed according to rules of the OCD following issuance of Order R-3221. In about 1999, Mr. William McNeill, the landowner at that time, requested XTO (formerly Cross Timbers Oil Company) to investigate the pit. Highlander Environmental Corp. was retained by XTO and collected soil samples from three (3) borings (BH-1, BH-2 and BH-3) that were drilled at the Site on April 29, 1999 between about 41 and 56 feet below ground surface ("bgs") using an air rotary rig. Soil samples were also collected at four (4) locations (AH-1 through AH-4) from about 3 to 4 feet bgs using a stainless steel hand auger. Three (3) composite samples (#1 Composite, #2 Composite and #3 Composite) were also collected from the east, middle and west side of the Site,

respectively. The composite sample were comprised of three (3) grab samples that were randomly collected from about 2 feet bgs. Trace Analysis, Inc. ("Trace") located in Lubbock, Texas, analyzed select samples for total petroleum hydrocarbons ("TPH") by method SW-846-8015, benzene, toluene, ethyl benzene, xylene (collectively referred to as BTEX) by method SW-846-8021B and chloride. Headspace readings were also obtained using a photoionization detector. Table 1 presents a summary of the headspace and laboratory analysis. Appendix A presents the laboratory reports. Appendix B presents boring logs. Appendix C presents current photographs.

Setting

The Site is located northeast of Eunice, New Mexico, at approximately 3,525 feet above mean sea level ("MSL"). The topography slopes southwest toward Monument Draw located about 1.7-miles southwest of the Site. Monument Draw is the nearest surface water feature and is greater than 1,000 horizontal feet distance from of the Site. There are no known water wells within 1,000 horizontal feet of the Site. Ground water may occur at about 75 feet bgs based on information from the New Mexico State Engineer. Figure 1 presents approximate well locations and depth to ground water.

Recommended remediation action levels ("RRAL") for benzene, BTEX and TPH), based on criteria published by the OCD ("Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993"), are:

Ranking Criteria	Result	Ranking Score
Depth-to-Groundwater	50 – 99 feet	10
Wellhead Protection Area	No	0
Distance to Surface Water Body	>1000 Horizontal Feet	0
Total Score:		10

Benzene: 10 mg/Kg
BTEX: 50 mg/Kg
TPH: 1,000 mg/Kg

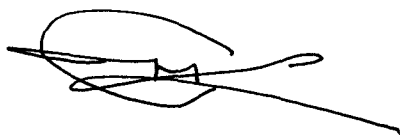
Referring to Table 1, benzene and BTEX were below the RRAL. TPH exceeded the RRAL in samples AH-4, 3.0 to 3.5 feet (7,490 mg/Kg), BH-2, 5 to 7 feet (3,498 mg/Kg) and BH-2, 20 to 21 feet (1,277.6 mg/Kg). Chloride decreased to 200 mg/Kg in sample BH-2, 55 to 56 feet. XTO proposes to excavate soil to the horizontal limits of the pit and approximately nine (9) feet bgs, install a polyethylene (pit) liner (20 mills) and fill the remainder of the excavation with clean soil. The final grade will be crowned to shed water and seeded to range grasses. Contaminated soil will be disposed at Sundance Disposal Services, Inc., located east of Eunice, New Mexico. XTO requests OCD authorization to proceed with remediation as defined above and will submit a final report to OCD upon completion of the project. Appendix D presents the C-141. Please call Mr. Dudley McMinn at (432) 682-8873 or email Dudley_McMinn@xtoenergy.com if you

Mr. Larry Johnson
November 9, 2006
Page 3

have questions. I may be reached with questions at (432) 687-0901 or email
mark@laenvironmental.com.

Sincerely,

Larson and Associates, Inc.

A handwritten signature in black ink, appearing to read 'Mark J. Larson', with a stylized flourish extending from the end.

Mark J. Larson, P.G., C.P.G., C.G.W.P.
Senior Project Manager/President

Enclosures

cc: Dudley McMinn/XTO
Guy Haykus/XTO
Nina Hutton/XTO

Tables

Table 1
IRP-1111

Summary of Headspace and Laboratory Analysis of Soil Samples from Pit (Closed)
XTO Energy, Inc., Dauron #1 Tank Battery
Unit E (SW/4, NW/4), Section 1, Township 21 South, Range 38 East
Lea County, New Mexico

Page 1 of 2

Boring	Sample Date	Sample Depth (Feet BGS)	PID (ppm)	GRO C6 - C10 (mg/Kg)	DRO C10 - C28 (mg/Kg)	TPH C6 - C28 (mg/Kg)	Benzene (mg/Kg)	BTEX (mg/Kg)	Chloride (mg/Kg)
RRAL:									
1,0001050									
AH-1	04/29/1999	3 - 3.5	--	<5	<50	<55	--	--	42
AH-2	04/29/1999	3.5 - 4.0	--	<5	<50	<55	--	--	<8
AH-3	04/29/1999	3.0 - 3.5	--	<5	<50	<55	--	--	23
AH-4	04/29/1999	3.0 - 3.5	--	<5	7490	7490	--	--	470
BH-1	04/29/1999	3 - 5*	180	--	--	--	--	--	--
	04/29/1999	11 - 12	88	25.3	871	896.3	<0.05	<0.2	3000
	04/29/1999	20 - 22	9	9.51	<50	9.51	--	--	3700
	04/29/1999	30 - 31	14	--	--	--	--	--	--
	04/29/1999	40 - 41	12	--	--	--	--	--	--
BH-2	04/29/1999	5 - 7	268	198	3300	3498	<0.1	3.563	680
	04/29/1999	10 - 12	78	32.5	903	935.5	--	--	2400
	04/29/1999	20 - 21	71	17.6	1260	1277.6	--	--	--
	04/29/1999	30 - 31	16	9.69	<50	9.69	<0.05	0.246	2300
	04/29/1999	40 - 41	9	--	--	--	--	--	3900
	04/29/1999	50 - 51	2	--	--	--	--	--	3700
BH-3	04/29/1999	55 - 56	4	--	--	--	--	--	200
	04/29/1999	0 - 5*	61	--	--	--	--	--	--
	04/29/1999	5 - 7	25	<5	580	580	--	--	220
	04/29/1999	10 - 12	15	<5	553	553	--	--	--
	04/29/1999	20 - 21	10	<5	<50	<55	--	--	1400

Table 1

1RP-1111

Summary of Headspace and Laboratory Analysis of Soil Samples from Pit (Closed)
XTO Energy, Inc., Dauron #1 Tank Battery

Unit E (SW/4, NW/4), Section 1, Township 21 South, Range 38 East

Lea County, New Mexico

Page 2 of 2

Boring	Sample Date	Sample Depth (Feet BGS)	PID (ppm)	GRO C6 - C10 (mg/Kg)	DRO C10 - C28 (mg/Kg)	TPH C6 - C28 (mg/Kg)	Benzene (mg/Kg)	BTEX (mg/Kg)	Chloride (mg/Kg)
RRAL:									
			1,000			10		50	
BH-3	04/29/1999	30 - 31	11	--	--	--	--	--	--
	04/29/1999	40 - 41	12	--	--	--	--	--	3200
#1 Composite	04/29/1999	0 - 2	--	<5	1890	1,890	<0.05	<0.2	--
#2 Composite	04/29/1999	0 - 2	--	<5	<50	<55	<0.05	<0.2	--
#3 Composite	04/29/1999	0 - 2	--	<5	<50	<55	<0.05	<0.2	--
HA-BGS	05/11/1999	4	--	--	--	--	--	--	6.8
HA-BGN	05/11/1999	4	--	--	--	--	--	--	18

Notes: Analysis performed by Trace Analysis, Inc., 6701 Aberdeen Ave., Suite 9, Lubbock, Texas

1. BGS: Feet below ground surface

2. mg/Kg: Milligrams per kilogram

3 PID: Photoionization detector

4. ppm: Parts per million

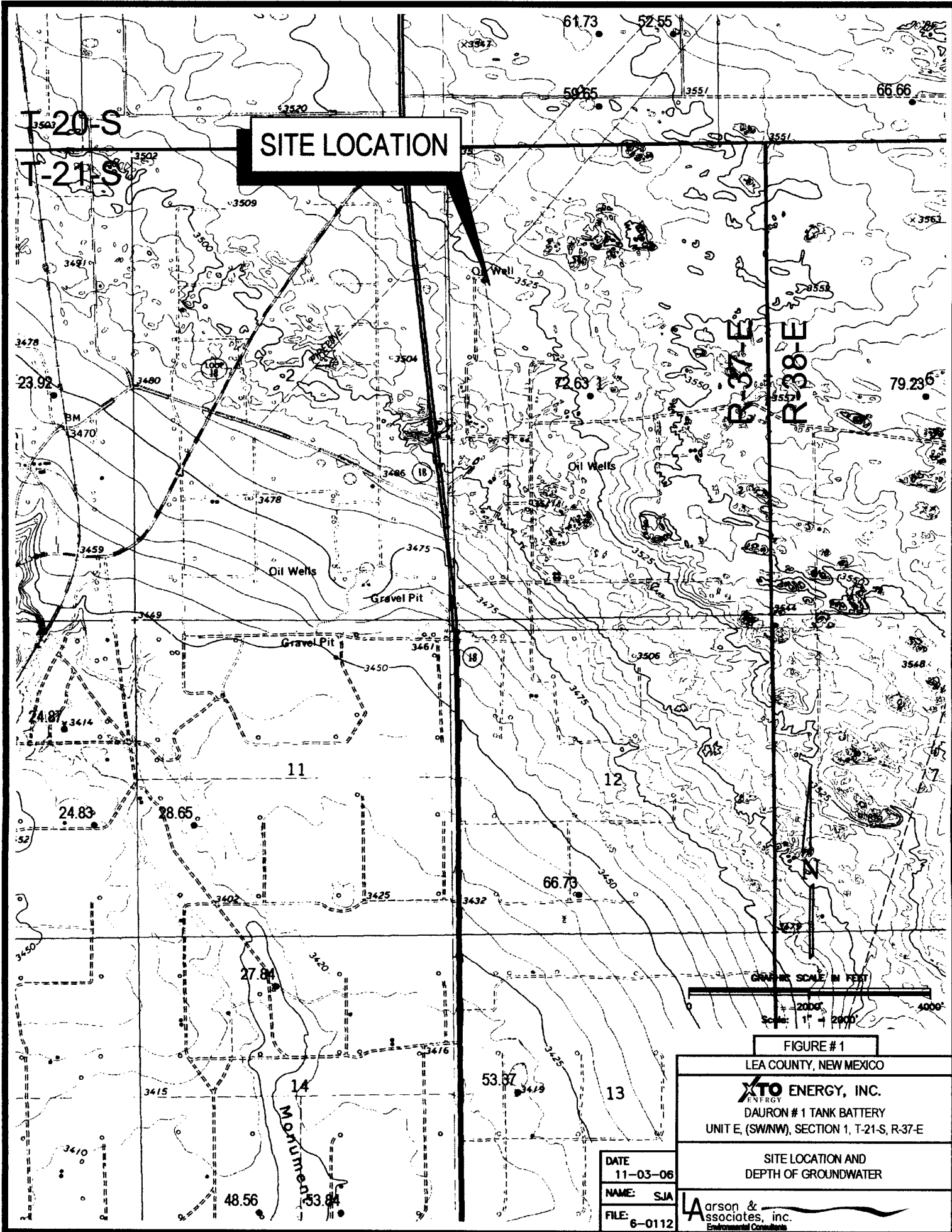
5. <: Less than method detection limit

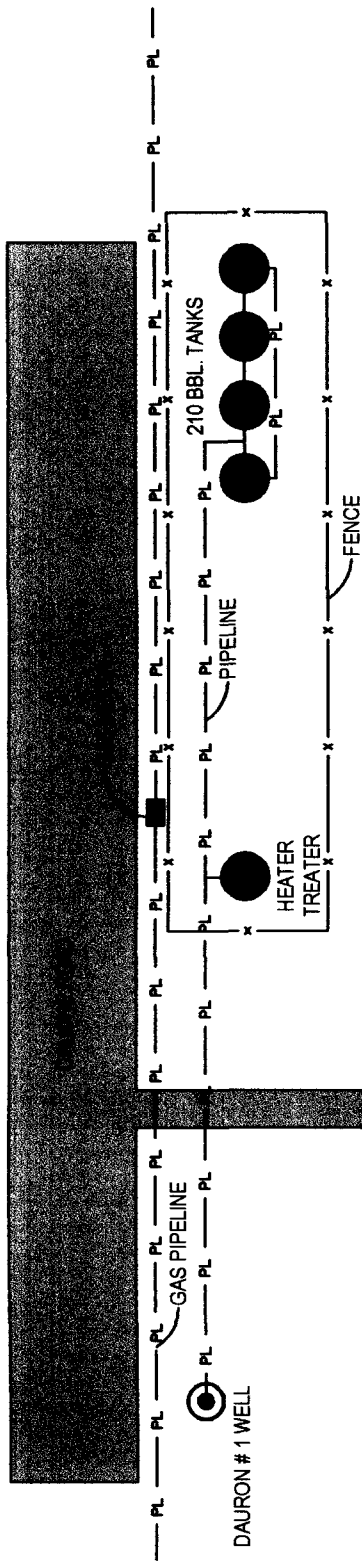
6. --: No data available

7. *: Drill cutting sample

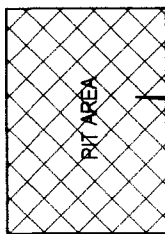
8. BGS / BGN: Background soil sample

Figures





(SEE FIGURE #3 FOR DETAILS)



GRAPHIC SCALE IN FEET



Scale: 1" = 60'

FIGURE #2

LEA COUNTY, NEW MEXICO

ATO ENERGY, INC.

DAURON #1 TANK BATTERY

UNIT E, (SWNW), SECTION 1, T-21-S, R-37-E

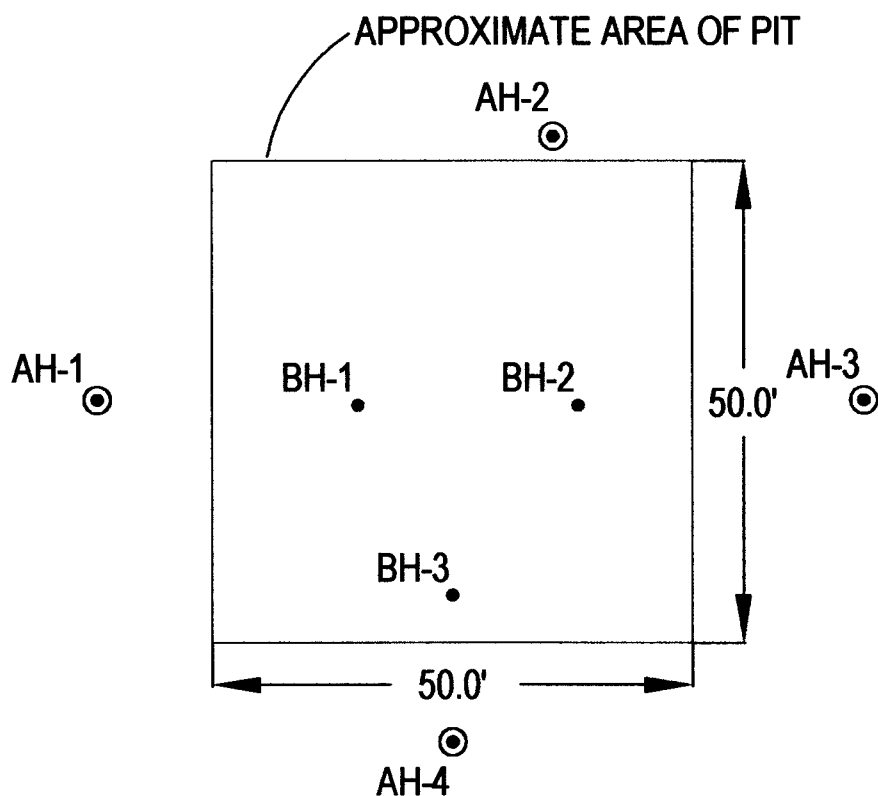
DATE
11-03-06

NAME: SJA

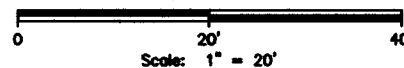
FILE: 6-0112

SITE DRAWING

Arson & Associates, Inc.
Environmental Consultants



GRAPHIC SCALE IN FEET



LEGEND

BH-1 • - BOREHOLE LOCATION

AH-1 ⊙ - HAND AUGER HOLE LOCATION

FIGURE #3

LEA COUNTY, NEW MEXICO

XTO ENERGY, INC.

DAURON # 1 TANK BATTERY
UNIT E, (SWNW), SECTION 1, T-21-S, R-37-E

PIT DETAIL

DATE
11-03-06

NAME: SJA

FILE: 6-0112

Larson &
associates, inc.
Environmental Consultants

Appendix A
Laboratory Reports

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9
4725 Ripley Avenue, Suite A

Lubbock, Texas 79424 800•378•1296
El Paso, Texas 79922 888•588•3443
E-Mail: lab@traceanalysis.com

806•794•1296 FAX 806•794•1298
915•585•3443 FAX 915•585•4944

ANALYTICAL RESULTS FOR HIGHLANDER ENVIRONMENTAL SERVICES

Attention: Ike Tavarez
1910 N. Big Spring St.
Midland, TX 79705

May 10, 1999

Receiving Date: 05/01/99

Sample Type: Soil

Project #: 1251

Client Name: Cross Timbers Oil Cu.

Sampling Date: 04/29/99

Sample Condition: I & C

Sample Received by: JS

Project Name: Cross Timbers

Davron #1-TB Lea County, NM

TA#	FIELD CODE	TOTAL CHLORIDE (mg/kg)
T123933	BH-1, 11-12'	2,700
T123934	BH-1, 20-22'	2,700
T123935	BH-1, 30-31'	3,000
T123936	BH-1, 40-41'	3,700
T123937	BH-2, 5-7'	680
T123940	BH-2, 30-31'	2,300
T123941	BH-2, 40-41'	3,900
ICV		506
CCV		497
REPORTING LIMIT		2.0
RPD		0
% Extraction Accuracy		117
% Instrument Accuracy		101
PREP DATE		05/10/99
ANALYSIS DATE		05/10/99

METHODS: EPA SM 4500 Cl-B

CHEMIST: JS

TOTAL CHLORIDE SPIKE: 50,000 mg/kg TOTAL CHLORIDE

TOTAL CHLORIDE CV: 500 mg/L TOTAL CHLORIDE


Director, Dr. Blair Leftwich

5-10-99
DATE

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9
4725 Ripley Avenue, Suite A

Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR HIGHLANDER ENVIRONMENTAL SERVICES

Attention: Ike Tavaréz
1910 N. Big Spring St.
Midland, TX 79705

May 10, 1999

Receiving Date: 05/01/99

Sample Type: Soil

Project #: 1251

Client Name: Cross Timbers Oil Cu.

Sampling Date: 04/29/99

Sample Condition: I & C

Sample Received by: JS

Project Name: Cross Timbers

Davron #1-TB Lea County, NM

TA#	FIELD CODE	TOTAL CHLORIDE (mg/kg)
T123942	BH-2, 50-51'	3,700
T123943	BH-2, 55-56'	200
T123945	BH-3 5-7'	220
T123947	BH-3, 20-21'	1,400
T123949	BH-3, 40-41'	3,200
T123950	AH-1, 3-3.5'	42
T123951	AH-2, 3.5-4.0'	<8.0
T123952	AH-3, 3.0-3.5'	23
T123953	AH-4, 3.0-3.5'	470
ICV		494
CCV		503
REPORTING LIMIT		2.0
RPD		1
% Extraction Accuracy		103
% Instrument Accuracy		99
PREP DATE		05/10/99
ANALYSIS DATE		05/10/99
METHODS: EPA SM 4500 Cl-B		
CHEMIST: JS		
TOTAL CHLORIDE SPIKE: 10,000 mg/kg TOTAL CHLORIDE		TOTAL CHLORIDE CV: 500 mg/L TOTAL CHLORIDE


Director, Dr. Blair Leftwich

5-10-99
Date

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9
4725 Ripley Avenue, Suite A

Lubbock, Texas 79424 800•378•1296
El Paso, Texas 79922 888•588•3443
E-Mail: lab@traceanalysis.com

806•794•1296 FAX 806•794•1298
915•585•3443 FAX 915•585•4944

ANALYTICAL RESULTS FOR HIGHLANDER ENVIRONMENTAL SERVICES

Attention: Ike Tavaréz
1910 N. Big Spring St.
Midland, TX 79705

May 10, 1999

Receiving Date: 05/01/99

Sample Type: Soil

Project #: 1251

Client Name: Cross Timbers Oil Cu.

Sampling Date: 04/29/99

Sample Condition: I & C

Sample Received by: JS

Project Name: Cross Timbers

Davron #1-TB Lea County, NM

TA#	FIELD CODE	TOTAL CHLORIDE (mg/kg)
T123938	BH-2, 10-12'	2,400
ICV		506
CCV		495
REPORTING LIMIT		2.0
RPD		1
% Extraction Accuracy		118
% Instrument Accuracy		101
PREP DATE		05/10/99
ANALYSIS DATE		05/10/99
METHODS: EPA SM 4500 Cl-B		
CHEMIST: JS		
TOTAL CHLORIDE SPIKE: 50,000 mg/kg TOTAL CHLORIDE		TOTAL CHLORIDE CV: 500 mg/L TOTAL CHLORIDE



Director, Dr. Blair Leftwich

5-10-99

Date



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
4725 Ripley Avenue, Suite A El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Ike Tavarez
Highlander Environmental Services
1910 N. Big Sping St.
Midland, TX 79705

Report Date: 5/12/99

Project Number: 1251
Project Name: Cross Timbers/Darron #1 TB Lea County
Project Location: N/A

Order ID Number: 99050109

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to TraceAnalysis, Inc. for analysis:

Sample Number	Sample Description	Matrix	Date Taken	Time Taken	Date Received
123933	BH-1 (11-12')	Soil	4/29/99	-	5/1/99
123934	BH-1 (20-22')	Soil	4/29/99	-	5/1/99
123937	BH-2 (5-7')	Soil	4/29/99	-	5/1/99
123938	BH-2 (10-12')	Soil	4/29/99	-	5/1/99
123940	BH-2 (30-31')	Soil	4/29/99	-	5/1/99
123945	BH-3 (5-7')	Soil	4/29/99	-	5/1/99
123946	BH-3 (10-12')	Soil	4/29/99	-	5/1/99
123947	BH-3 (20-21')	Soil	4/29/99	-	5/1/99
123950	AH-1 (3-3.5')	Soil	4/29/99	-	5/1/99
123951	AH-2 (3.5-4.0')	Soil	4/29/99	-	5/1/99
123952	AH-3 (3.0-3.5')	Soil	4/29/99	-	5/1/99
123953	AH-4 (3.0-3.5')	Soil	4/29/99	-	5/1/99
123954	#1 Composite	Soil	4/29/99	-	5/1/99
123955	#2 Composite	Soil	4/29/99	-	5/1/99
123956	#3 Composite	Soil	4/29/99	-	5/1/99

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 10 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.


Dr. Blair Leftwich, Director

Analytical Results Report

Sample Number: 123933

Description: BH-1 (11-12')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
Benzene		<0.05	mg/Kg	50	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
Toluene		<0.05	mg/Kg	50	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
Ethylbenzene		<0.05	mg/Kg	50	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
M,P,O-Xylene		<0.05	mg/Kg	50	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
Total BTEX		<0.05	mg/Kg	50	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
DRO		871	mg/Kg	1	Mod. 8015B	5/5/99	5/5/99	MF	PB00607	QC00735	50
GRO		25.3	mg/Kg	1	Mod. 602	5/4/99	5/4/99	RC	PB00613	QC00741	5

Sample Number: 123934

Description: BH-1 (20-22')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
DRO		<50	mg/Kg	1	Mod. 8015B	5/5/99	5/5/99	MF	PB00607	QC00735	50
GRO		9.51	mg/Kg	1	Mod. 602	5/4/99	5/4/99	RC	PB00613	QC00741	5

Sample Number: 123937

Description: BH-2 (5-7')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
Benzene		<0.1	mg/Kg	100	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
Toluene		0.383	mg/Kg	100	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
Ethylbenzene		1.19	mg/Kg	100	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
M,P,O-Xylene		1.99	mg/Kg	100	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
Total BTEX		3.56	mg/Kg	100	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
DRO		3300	mg/Kg	1	Mod. 8015B	5/5/99	5/5/99	MF	PB00607	QC00735	50
GRO		198	mg/Kg	1	Mod. 602	5/4/99	5/4/99	RC	PB00613	QC00741	5

Sample Number: 123938

Description: BH-2 (10-12')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
DRO		903	mg/Kg	1	Mod. 8015B	5/5/99	5/5/99	MF	PB00607	QC00735	50
GRO		32.5	mg/Kg	1	Mod. 602	5/4/99	5/4/99	RC	PB00613	QC00741	5

Sample Number: 123940

Description: BH-2 (30-31')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
Benzene		<0.05	mg/Kg	50	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
Toluene		0.104	mg/Kg	50	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001

Report Date: 5/12/99

Order ID Number: 99050109

Page Number: 3 of 10

Ethylbenzene	<0.05 mg/Kg	50	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
M,P,O-Xylene	0.142 mg/Kg	50	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
Total BTEX	0.246 mg/Kg	50	S 8021B	5/4/99	5/4/99	RC	PB00611	QC00739	0.001
DRO	<50 mg/Kg	1	Mod. 8015B	5/5/99	5/5/99	MF	PB00607	QC00735	50
GRO	9.69 mg/Kg	1	Mod. 602	5/4/99	5/4/99	RC	PB00613	QC00741	5

Sample Number: 123945

Description: BH-3 (5-7')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
DRO		580 mg/Kg		1	Mod. 8015B	5/5/99	5/5/99	MF	PB00607	QC00735	50
GRO		<5 mg/Kg		1	Mod. 602	5/4/99	5/4/99	RC	PB00613	QC00741	5

Sample Number: 123946

Description: BH-3 (10-12')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
DRO		553 mg/Kg		1	Mod. 8015B	5/5/99	5/5/99	MF	PB00607	QC00735	50
GRO		<5 mg/Kg		1	Mod. 602	5/10/99	5/8/99	SO	PB00666	QC00818	5

Sample Number: 123947

Description: BH-3 (20-21')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
DRO		<50 mg/Kg		1	Mod. 8015B	5/5/99	5/5/99	MF	PB00607	QC00735	50
GRO		<5 mg/Kg		1	Mod. 602	5/10/99	5/8/99	SO	PB00666	QC00818	5

Sample Number: 123950

Description: AH-1 (3-3.5')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
DRO		<50 mg/Kg		1	Mod. 8015B	5/5/99	5/5/99	MF	PB00607	QC00735	50
GRO		<5 mg/Kg		1	Mod. 602	5/10/99	5/8/99	SO	PB00666	QC00818	5

Sample Number: 123951

Description: AH-2 (3.5-4.0')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
DRO		<50 mg/Kg		1	Mod. 8015B	5/5/99	5/5/99	MF	PB00607	QC00735	50
GRO		<5 mg/Kg		1	Mod. 602	5/10/99	5/8/99	SO	PB00666	QC00818	5

Sample Number: 123952

Description: AH-3 (3.0-3.5')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
DRO		<50	mg/Kg	1	Mod. 8015B	5/7/99	5/7/99	MF	PB00633	QC00774	50
GRO		<5	mg/Kg	1	Mod. 602	5/10/99	5/8/99	SO	PB00666	QC00818	5

Sample Number: 123953

Description: AH-4 (3.0-3.5')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
DRO		7490	mg/Kg	1	Mod. 8015B	5/10/99	5/10/99	MF	PB00652	QC00831	50
GRO		<5	mg/Kg	1	Mod. 602	5/10/99	5/8/99	SO	PB00666	QC00818	5

Sample Number: 123954

Description: #1 Composite

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
Benzene		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
Toluene		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
Ethylbenzene		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
M,P,O-Xylene		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
Total BTEX		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
DRO		1890	mg/Kg	1	Mod. 8015B	5/7/99	5/7/99	MF	PB00633	QC00774	50
GRO		<5	mg/Kg	1	Mod. 602	5/10/99	5/8/99	SO	PB00666	QC00819	5

Sample Number: 123955

Description: #2 Composite

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
Benzene		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
Toluene		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
Ethylbenzene		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
M,P,O-Xylene		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
Total BTEX		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
DRO		<50	mg/Kg	1	Mod. 8015B	5/7/99	5/7/99	MF	PB00633	QC00774	50
GRO		<5	mg/Kg	1	Mod. 602	5/10/99	5/8/99	SO	PB00666	QC00819	5

Sample Number: 123956

Description: #3 Composite

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RDL
Benzene		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
Toluene		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
Ethylbenzene		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
M,P,O-Xylene		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001
Total BTEX		<0.05	mg/Kg	50	S 8021B	5/10/99	5/8/99	RC	PB00665	QC00826	0.001

DRO	<50 mg/Kg	1	Mod. 8015B	5/7/99	5/7/99	MF	PB00633	QC00774	50
GRO	<5 mg/Kg	1	Mod. 602	5/10/99	5/8/99	SO	PB00666	QC00819	5

Quality Control Report Method Blanks

Param	Flag	Blank Result	Units	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #
MTBE		<0.050	mg/Kg	0.05	5/4/99	PB00611	QC00739
Benzene		<0.050	mg/Kg	0.05	5/4/99	PB00611	QC00739
Toluene		<0.050	mg/Kg	0.05	5/4/99	PB00611	QC00739
Ethylbenzene		<0.050	mg/Kg	0.05	5/4/99	PB00611	QC00739
M,P,O-Xylene		<0.050	mg/Kg	0.05	5/4/99	PB00611	QC00739
Total BTEX		<0.050	mg/Kg	0.05	5/4/99	PB00611	QC00739
MTBE		<0.050	mg/Kg	0.001	5/8/99	PB00665	QC00826
Benzene		<0.050	mg/Kg	0.001	5/8/99	PB00665	QC00826
Toluene		<0.050	mg/Kg	0.001	5/8/99	PB00665	QC00826
Ethylbenzene		<0.050	mg/Kg	0.001	5/8/99	PB00665	QC00826
M,P,O-Xylene		<0.050	mg/Kg	0.001	5/8/99	PB00665	QC00826
Total BTEX		<0.050	mg/Kg	0.001	5/8/99	PB00665	QC00826

Param	Flag	Blank Result	Units	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #
DRO		<50	mg/Kg	50	5/5/99	PB00607	QC00735
DRO		<50	mg/Kg	50	5/7/99	PB00633	QC00774
DRO		<50	mg/Kg	50	5/10/99	PB00652	QC00831

Param	Flag	Blank Result	Units	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #
GRO		<5	mg/Kg	5	5/4/99	PB00613	QC00741
GRO		<5	mg/Kg	5	5/8/99	PB00666	QC00818
GRO		<5	mg/Kg	5	5/8/99	PB00666	QC00819

Quality Control Report

Matrix Spike and Matrix Duplicate Spike

Standard	Param	Units	Sample Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
MS	DRO	mg/Kg	<50	1	250	213	85		70 - 130	0 - 30	QC00735
MSD	DRO	mg/Kg	<50	1	250	223	89	5	70 - 130	0 - 30	QC00735

Standard	Param	Units	Sample Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
MS	DRO	mg/Kg	<50	1	250	211	84		70 - 130	0 - 30	QC00774
MSD	DRO	mg/Kg	<50	1	250	228	91	8	70 - 130	0 - 30	QC00774

Quality Control Report

Lab Control Spikes and Duplicate Spike

Standard	Param	Units	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	MTBE	mg/Kg	<0.050	1	5	5.27	105		70 - 130	0 - 30	QC00826
LCS	Benzene	mg/Kg	<0.050	1	5	4.94	99		70 - 130	0 - 30	QC00826
LCS	Toluene	mg/Kg	<0.050	1	5	4.88	98		70 - 130	0 - 30	QC00826
LCS	Ethylbenzene	mg/Kg	<0.050	1	5	4.80	96		70 - 130	0 - 30	QC00826
LCS	M,P,O-Xylene	mg/Kg	<0.050	1	15	14.1	94		70 - 130	0 - 30	QC00826
LCSD	MTBE	mg/Kg	<0.050	1	5	5.16	103	2	70 - 130	0 - 30	QC00826
LCSD	Benzene	mg/Kg	<0.050	1	5	4.83	97	2	70 - 130	0 - 30	QC00826
LCSD	Toluene	mg/Kg	<0.050	1	5	4.78	96	2	70 - 130	0 - 30	QC00826
LCSD	Ethylbenzene	mg/Kg	<0.050	1	5	4.71	94	2	70 - 130	0 - 30	QC00826
LCSD	M,P,O-Xylene	mg/Kg	<0.050	1	15	13.7	91	3	70 - 130	0 - 30	QC00826

Standard	Param	Units	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	DRO	mg/Kg	<50	1	250	121	48		70 - 130	0 - 30	QC00735
LCSD	DRO	mg/Kg	<50	1	250	115	46	5	70 - 130	0 - 30	QC00735

Standard	Param	Units	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	DRO	mg/Kg	<50	1	250	184	74		70 - 130	0 - 30	QC00774
LCSD	DRO	mg/Kg	<50	1	250	188	75	2	70 - 130	0 - 30	QC00774

Standard	Param	Units	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	DRO	mg/Kg	<50	1	250	229	92		70 - 130	0 - 30	QC00831
LCSD	DRO	mg/Kg	<50	1	250	223	89	3	70 - 130	0 - 30	QC00831

Standard	Param	Units	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	GRO	mg/Kg	<5	1	1	1.19	119		70 - 130	0 - 30	QC00741
LCSD	GRO	mg/Kg	<5	1	1	1.2	120	1	70 - 130	0 - 30	QC00741

Standard	Param	Units	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	GRO	mg/Kg	<5	1	1	1.02	102		70 - 130	0 - 30	QC00818
LCSD	GRO	mg/Kg	<5	1	1	1.00	100	2	70 - 130	0 - 30	QC00818

Standard	Param	Units	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	GRO	mg/Kg	<5	1	1	1.02	102		70 - 130	0 - 30	QC00819
LCSD	GRO	mg/Kg	<5	1	1	1.00	100	2	70 - 130	0 - 30	QC00819

Quality Control Report

Continuing Calibration Verification Standard

Standard	Param	Flag	CCVs TRUE Conc.	Units	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
ICV	MTBE		0.1	mg/Kg	0.102	102	70 - 130	5/4/99	QC00739
ICV	Benzene		0.1	mg/Kg	0.101	101	70 - 130	5/4/99	QC00739
ICV	Toluene		0.1	mg/Kg	0.100	100	70 - 130	5/4/99	QC00739
ICV	Ethylbenzene		0.1	mg/Kg	0.099	99	70 - 130	5/4/99	QC00739
ICV	M,P,O-Xylene		0.3	mg/Kg	0.291	97	70 - 130	5/4/99	QC00739
CCV (1)	MTBE		0.1	mg/Kg	0.100	100	70 - 130	5/4/99	QC00739
CCV (1)	Benzene		0.1	mg/Kg	0.104	104	70 - 130	5/4/99	QC00739
CCV (1)	Toluene		0.1	mg/Kg	0.104	104	70 - 130	5/4/99	QC00739
CCV (1)	Ethylbenzene		0.1	mg/Kg	0.103	103	70 - 130	5/4/99	QC00739
CCV (1)	M,P,O-Xylene		0.3	mg/Kg	0.306	102	70 - 130	5/4/99	QC00739

Standard	Param	Flag	CCVs TRUE Conc.	Units	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
ICV	MTBE		0.1	mg/Kg	0.093	93	70 - 130	5/8/99	QC00826
ICV	Benzene		0.1	mg/Kg	0.093	93	70 - 130	5/8/99	QC00826
ICV	Toluene		0.1	mg/Kg	0.094	94	70 - 130	5/8/99	QC00826
ICV	Ethylbenzene		0.1	mg/Kg	0.095	95	70 - 130	5/8/99	QC00826
ICV	M,P,O-Xylene		0.3	mg/Kg	0.274	91	70 - 130	5/8/99	QC00826
CCV (1)	MTBE		0.1	mg/Kg	0.099	99	70 - 130	5/8/99	QC00826
CCV (1)	Benzene		0.1	mg/Kg	0.099	99	70 - 130	5/8/99	QC00826
CCV (1)	Toluene		0.1	mg/Kg	0.098	98	70 - 130	5/8/99	QC00826
CCV (1)	Ethylbenzene		0.1	mg/Kg	0.101	101	70 - 130	5/8/99	QC00826
CCV (1)	M,P,O-Xylene		0.3	mg/Kg	0.297	99	70 - 130	5/8/99	QC00826

Standard	Param	Flag	CCVs TRUE Conc.	Units	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
ICV	DRO		250	mg/Kg	201	80	70 - 130	5/5/99	QC00735
CCV (1)	DRO		250	mg/Kg	229	92	70 - 130	5/5/99	QC00735
CCV (2)	DRO		250	mg/Kg	263	105	70 - 130	5/5/99	QC00735

Standard	Param	Flag	CCVs TRUE Conc.	Units	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
ICV	DRO		250	mg/Kg	291	116	70 - 130	5/7/99	QC00774
CCV (1)	DRO		250	mg/Kg	201	80	70 - 130	5/7/99	QC00774
CCV (2)	DRO		250	mg/Kg	237	95	70 - 130	5/7/99	QC00774

Standard	Param	Flag	CCVs TRUE Conc.	Units	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
ICV	DRO		250	mg/Kg	203	81	70 - 130	5/10/99	QC00831
CCV (1)	DRO		250	mg/Kg	251	100	70 - 130	5/10/99	QC00831
CCV (2)	DRO		250	mg/Kg	271	108	70 - 130	5/10/99	QC00831

Standard	Param	Flag	CCVs TRUE Conc.	Units	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
ICV	GRO		1	mg/Kg	1.16	116	70 - 130	5/4/99	QC00741
CCV (1)	GRO		1	mg/Kg	1.03	103	70 - 130	5/4/99	QC00741

Standard	Param	Flag	CCVs TRUE Conc.	Units	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
ICV	GRO		1	mg/Kg	0.828	82	70 - 130	5/8/99	QC00818
CCV (1)	GRO		1	mg/Kg	1.18	118	70 - 130	5/8/99	QC00818

Standard	Param	Flag	CCVs TRUE Conc.	Units	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
ICV	GRO		1	mg/Kg	1.03	103	70 - 130	5/8/99	QC00819
CCV (1)	GRO		1	mg/Kg	1.18	118	70 - 130	5/8/99	QC00819



8701 Aberdeen Avenue, Suite 9
4725 Ripley Avenue, Suite A

Lubbock, Texas 79424
El Paso, Texas 78922

800•378•1296
888•588•3443

806•794•1296
915•585•3443

FAX 806•794•1298
FAX 915•585•4944

E Mail: lab@traceanalysis.com

Analytical and Quality Control Report

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

Report Date: 5/20/99

Project Number: 1251
Project Name: Cross Timbers/Darron #1 TB Lea County
Project Location: N/A

Order ID Number: 99050109

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to TraceAnalysis, Inc. for analysis:

Sample Number	Sample Description	Matrix	Date Taken	Time Taken	Date Received
123939	B11-2 (20-21')	Soil	4/29/99	-	5/1/99

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 3 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.


Dr. Blair Leftwich, Director

Report Date: 5/20/99

Order ID Number: 99050109

Page Number: 2 of 3

Analytical Results Report

Sample Number: 123939

Description: BII-2 (20-21')

Param	Flag	Result	Units	Dilution	Analytical Method	Date Prepared	Date Analyzed	Analyst	Prep Batch #	QC Batch #	RPD
DRO	*	1260	mg/Kg	1	Mod. 8015B	5/13/99	5/13/99	MF	PB00721	QC00898	50
* DRO - Sample past holding time.											
GRO		17.6	mg/Kg	1	Mod. 8015B	5/16/99	5/16/99	RC	PB00760	QC00956	0.1

**Quality Control Report
Method Blanks**

Param	Flag	Blank Result	Units	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #
DRO		<50	mg/Kg	50	5/13/99	PB00721	QC00898

Param	Flag	Blank Result	Units	Reporting Limit	Date Analyzed	Prep Batch #	QC Batch #
GRO		<5	mg/Kg	0.1	5/16/99	PB00760	QC00956

**Quality Control Report
Lab Control Spikes and Duplicate Spike**

Standard	Param	Units	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec. RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	DRO	mg/Kg	<50	1	1	238	23800	70 - 130	0 - 30	QC00898
LCSD	DRO	mg/Kg	<50	1	1	231	23100	3 70 - 130	0 - 30	QC00898

Standard	Param	Units	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec. RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	GRO	mg/Kg	<5	1	1	0.985	99	80 - 120	0 - 20	QC00956
LCSD	GRO	mg/Kg	<5	1	1	1.06	106	7 80 - 120	0 - 20	QC00956

Report Date: 5/20/99

Order ID Number: 99042914

Page Number: 3 of 3

Quality Control Report Lab Control Spikes and Duplicate Spike

Standard	Param	Units	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	DRO	mg/Kg	<50	250	1	188	75		70 - 130	0 - 30	QC00856
LCSD	DRO	mg/Kg	<50	250	1	222	89	17	70 - 130	0 - 30	QC00856

Standard	Param	Units	Blank Result	Dil.	Spike Amount Added	Matrix Spike Result	% Rec.	RPD	% Rec. Limit	RPD Limit	QC Batch #
LCS	GRO	mg/Kg	<5	1	1	0.985	99		80 - 120	0 - 20	QC00956
LCSD	GRO	mg/Kg	<5	1	1	1.06	106	7	80 - 120	0 - 20	QC00956

Quality Control Report Continuing Calibration Verification Standard

Standard	Param	Flag	CCVs TRUE Conc.	Units	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
ICV	DRO		250	mg/Kg	235	94	70 - 130	5/12/99	QC00856
CCV (1)	DRO		250	mg/Kg	286	114	70 - 130	5/12/99	QC00856

Standard	Param	Flag	CCVs TRUE Conc.	Units	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed	QC Batch #
ICV	GRO		1	mg/Kg	0.955	96	80 - 120	5/16/99	QC00956
CCV (1)	GRO		1	mg/Kg	1.10	110	80 - 120	5/16/99	QC00956

99050109

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

Fax (915) 682-3946

(915) 682-4559

CLIENT NAME: Cross Timbers Oil Co SITE MANAGER: KE Parker

PROJECT NO.: 1251 PROJECT NAME: Cross Timbers / Payrow #1 - TB.

LAB I.D. NUMBER: 1234324/29/94 SAMPLE IDENTIFICATION: Loc. Conty. 100

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	NUMBER OF CONTAINERS	PRELIMINARY METHOD
1234324/29/94			S			1	HCL
933			S			1	HNOS
934			S			1	ICE
935			S			1	NONE
936			S			1	
937			S			1	
938			S			1	
939			S			1	
940			S			1	

RELINQUISHED BY: (Signature) KE Parker Date: 4/30/99 Time: 5:00 PM

RELINQUISHED BY: (Signature) KE Parker Date: 4/30/99 Time: 6:45 PM

RELINQUISHED BY: (Signature) KE Parker Date: 5-1-99 Time: 9:30 AM

RECEIVING LABORATORY: Free Lab. ADDRESS: Free Lab. CITY: Free Lab. STATE: Free Lab. ZIP: Free Lab.

PHONE: Free Lab. DATE: 5-1-99 TIME: 9:30 AM

SAMPLE CONDITION WHEN RECEIVED: Free Lab. MATRIX: Free Lab.

W-Tater A-Air SD-Solid S-Sol O-Other

ANALYSIS REQUEST (Circle or Specify Method No.)	PAGE: 1 OF: 4
☒ BTEX 8080/808 ☒ MTBE 8080/808 ☒ TPH 418.1 8015 MOD 131008 ☒ PAH 8270 ☒ RCRA Metals Ag As Ba Cd Cr Pb Hg Se ☒ TCLP Metals Ag As Ba Cd Cr Pb Hg Se ☒ TCLP Volatiles ☒ TCLP Semi Volatiles ☒ ECI ☒ GC/MS Vol. 8240/8260/824 ☒ GC/MS Semi. Vol. 8270/825 ☒ PCB's 8080/808 ☒ Pest. 808/808 ☒ BOD, TSS, PH, TDS, Chloride ☒ Gamma Spec. ☒ Alpha Beta (Air) ☒ PLM (Asbestos)	

REMARKS: 10C 159-384-524-2 9/12 9/12

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.



TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9
4725 Ripley Avenue, Suite A

Lubbock, Texas 79424 800•378•1296
El Paso, Texas 79922 888•588•3443
E-Mail: lab@traceanalysis.com

806•794•1296 FAX 806•794•1298
915•585•3443 FAX 915•585•4944

ANALYTICAL RESULTS FOR HIGHLANDER ENVIRONMENTAL CORP.

Attention: Mark Larson
1910 N. Big Spring St.
Midland, TX 79705

May 18, 1999
Receiving Date: 5/13/99
Sample Type: Soil
Project No: 1251
Project Location: N/A

Prep Date: 5/17/99
Analysis Date: 5/17/99
Sampling Date: 5/11/99
Sample Condition: Intact & Cool
Sample Received by: VW
Project Name: Dauron Lease #1

TA#	FIELD CODE	Cl (mg/kg)
T124685	HA-BGS, 4' 180' S.	6.8
T124686	HA-BGN, 4', 150' N.	18
QC		11.78
REPORTING LIMIT		0.5
RPD		2
% Extraction Accuracy		87
% Instrument Accuracy		94

METHODS: EPA 300.0
CHEMIST: JS
Cl CV : 12.5 mg/L Cl
Cl SPIKE : 25 mg/L Cl

Director, Dr. Blair Leftwich

5-18-99

DATE

Appendix B

Boring Logs

SAMPLE LOG

Boring/Well:	BH-1
Project Number:	1251
Client:	Cross Timbers Oil Co.
Site Location:	Dauron #1 Tank Battery – Pit Investigation
Location:	Lea County, New Mexico
Total Depth:	41 feet
Date Installed:	4/29/99

[illegible]

SAMPLE LOG

Boring/Well:	BH-2
Project Number:	1251
Client:	Cross Timbers Oil Co.
Site Location:	Dauron #1 Tank Battery – Pit Investigation
Location:	Lea County, New Mexico
Total Depth:	56 feet
Date Installed:	4/29/99

[illegible]

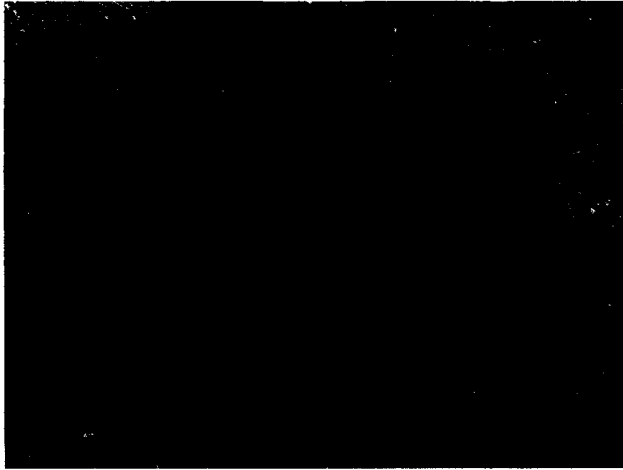
Boring/Well: BH-3
Project Number: 1251
Client: Cross Timbers Oil Co.
Site Location: Dauron #1 Tank Battery – Pit Investigation
Location: Lea County, New Mexico
Total Depth: 41 feet
Date Installed: 4/29/99

[illegible]

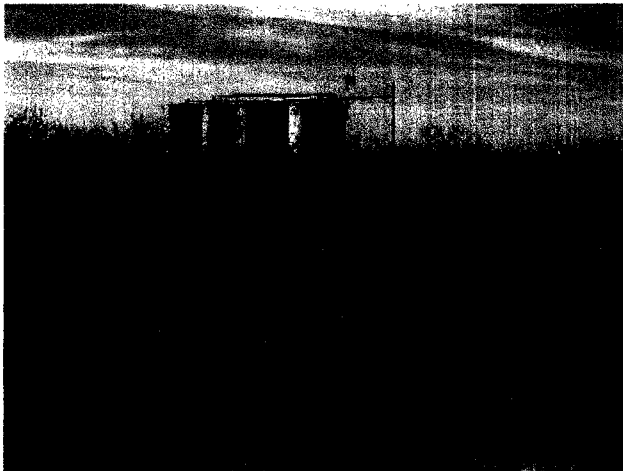
Appendix C

Photographs

DAURON # 1 TANK BATTERY
UNIT E, (SW/NW), SECTION 1, T-21-S, R-37-E
LEA COUNTY, NEW MEXICO



1. XTO Energy, Inc., Dauron #1
Tank Battery - Location Sign

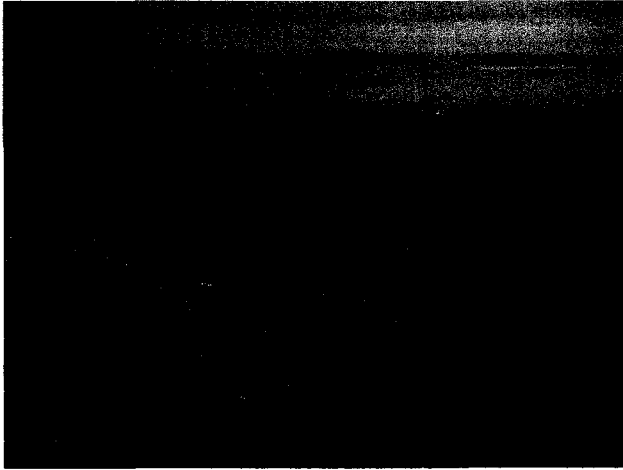


2. XTO Energy, Inc., Dauron #1
Tank Battery - Pit Location
Southeast of Tank Battery Looking
Northwest

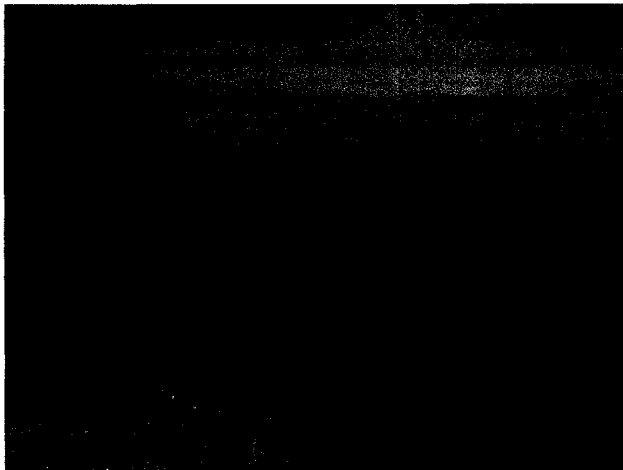


3. XTO Energy, Inc., Dauron #1
Tank Battery - Pit Location
Southeast of Tank Battery Looking
Southeast

DAURON # 1 TANK BATTERY
UNIT E, (SW/NW), SECTION 1, T-21-S, R-37-E
LEA COUNTY, NEW MEXICO



4. XTO Energy, Inc., Dauron #1
Tank Battery - Pit Location
Southeast of Tank Battery Looking
South



5. XTO Energy, Inc., Dauron #1
Tank Battery - Pit Location
Southeast of Tank Battery Looking
Southeast

Appendix D

Initial 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: XTO Energy, Inc.	Contact: Dudley McMinn, Safety Coordinator
Address: 200 N. Loraine St., Ste. 800, Midland, TX 79701	Telephone No.: (432) 682-8873
Facility Name: Dauron #1	Facility Type: Production Tank Battery
Surface Owner: Paige McNeill	Mineral Owner: <u>Lease No</u>

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
E	1	21S	37E					

Latitude: N 32° 30' 56.5" Longitude: W 103° 07' 21.5"

NATURE OF RELEASE

Type of Release: Crude Oil and Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Historic Pit (closed per order R-3221)	Date and Hour of Occurrence: Historic (Unknown)	Date and Hour of Discovery: Historic (Unknown)
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

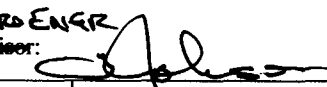
If a Watercourse was Impacted, Describe Fully.*

1RP#1111

Describe Cause of Problem and Remedial Action Taken.* Crude oil and produced water that were introduced into a surface pit that was closed according to OCD Order R-3221.

Describe Area Affected and Cleanup Action Taken.* Closed pit is located about 100 feet southeast of the tank battery and measures about 50 X 50 feet. Soil samples and laboratory analysis have determined the extent of contamination and operator proposes to excavate soil to approximately 9 feet below ground surface, install a polyethylene liner, fill excavation with clean soil and crown surface to shed water. Contaminated soil will be hauled to Sundance Disposal Services, Inc., located east of Eunice, New Mexico.

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: Mark J. Larson (Agent to XTO Energy, Inc.)		Approved by District Supervisor: 	
Title: Sr. Project Manager / President, Larson and Associates, Inc.		Approval Date: 11.13.06	Expiration Date: 3.15.07
E-mail Address: mark@laenvironmental.com		Conditions of Approval:	
Date: 11/08/2006 Phone: (432) 687-0901		Attached ☐	

* Attach Additional Sheets If Necessary