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February 2, 2010

VIA HAND DELIVERED

Mr. Geoffrey Leking, Env. Engineer
State of New Mexico – Oil Conservation Division
1625 N French Drive
Hobbs, New Mexico 88240

RE: OCD Remediation Project No. 1RP-10-2-2407, EMSU Satellite #11 Removal and Excavation Closure Report, XTO Energy, Inc., Unit H (SE/4, NE/4), Section 15, Township 21 South, Range 36 East, Lea County, New Mexico

Dear Mr. Leking:

This report is submitted to the State of New Mexico Oil Conservation Division on behalf of XTO Energy, Inc. (XTO) by Larson and Associates, Inc., its agent, and presents the results of remedial actions performed at referenced below grade tank removal.

Based upon the results of this investigation, XTO requests OCD closure approval.

If you have any questions or concerns, please call me at 432.687.0901 to discuss.

Sincerely,

LARSON & ASSOCIATES, INC.



Michelle L. Green
Environmental Scientist - Chemist
michelle@laenvironmental.com

Attachments

CC

Mr. Dudley McMinn – XTO Energy, Midland, TX
Mr. Rick Wilson – XTO Energy, EMSU

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**Below Grade Tank Removal and
Excavation Closure Report**

XTO Energy, Inc.

1RP-10-2-2407

Eunice Monument South Unit – Satellite #11

Unit H (SE/4, NE/4), Section 15, T21S, R36E

Lea County, NM

Project No. 8-0152

Prepared by:

Larson and Associates, Inc.

507 North Marienfeld Street

Suite 200

Midland, Texas 79701

432.687.0901

February 2, 2010

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1.0 Executive Summary

This report is submitted to the State of New Mexico Oil Conservation Division (OCD) on behalf of XTO Energy, Inc. (XTO) by Larson and Associates, Inc. (LAI), its consultant, and presents the results of remedial actions performed at the referenced below grade tank removal. The following report documents the removal of the below grade tank associated with the Eunice Monument South Unit (EMSU), Satellite #11 (Facility) located in Lea County, New Mexico. The legal description of the Facility is Unit H (SE/4, NE/4), Section 15, Township 21 South, Range 36 East (Figure 1).

Closure activities consisted of notifications to the New Mexico Oil Conservation Division (OCD) and the landowner of record (New Mexico State Land Office), removal of ancillary equipment and tank, removal of soil, collection of soil samples, OCD issuance of a remediation case number and the subsequent investigation. Activities were performed in conformance with New Mexico Administrative Code Rule 19.15.17 as amended June 16, 2008 and June 18, 2009.

2.0 Operator Information

Primary Contact: Mr. Rick Wilson
Address: XTO Energy Inc., Permian Division – SE New Mexico
PO Box 700
Eunice, New Mexico 88231
Office: 575.394.2089, ext. 2201

Secondary Contact: Mr. Guy Haykus
Address: XTO Energy Inc.
Midland Office
200 N. Loraine Street, Suite 800
Midland, Texas 79701
Office: 432.682.8873

3.0 Closure Actions

3.1 Location and Siting Description

The Site has a geodetic location of N32° 28' 47.64", W103° 14' 44.94", and is located in rural Lea County, New Mexico. The nearest producing well is the XTO EMSU Well #389, with API # 30-025-04631. The Site encompasses a 0.6-acre tract of land. The Facility consisted of a fiberglass, below-ground storage tank, with an approximate capacity of 90 barrels. The surface is covered with crushed caliche rock and is flat to very gently sloping (Figures 2 and 3).

The Facility's siting criteria presented the following findings:

- Groundwater is more than 100 feet below ground surface based on records from the New Mexico State Engineer (NMSE).
- No continuously flowing watercourse is within 300 horizontal feet of the Facility.
- No surface water features, including lakes, rivers, ponds, arroyos, lakebed, sinkhole, or playa lake, are located within 200 horizontal feet of Facility.

- No permanent residence, school, hospital, institution, or church is within 300 horizontal feet of Facility.
- No private, domestic fresh-water well or spring are within 500 horizontal feet of Facility.
- No other fresh water wells or springs are within 1000 horizontal feet of the Facility.
- The Facility is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance.
- The Facility is not within 500 feet an area designated as wetlands.
- The Facility is not within an area overlying a subsurface mine.
- The Facility is not within an unstable area.
- The Facility is not within a 100-year flood plain.

3.2 Closure Plan and Approval

On December 11, 2008, LAI, on behalf of XTO, submitted a below grade tank closure plan to the OCD in Santa Fe and Hobbs, New Mexico, in accordance with an Agreed Scheduling Order (ASO-008) between XTO and OCD. The Closure Plan was approved and signed by the OCD representative Mr. Brad Jones on July 17, 2009.

3.3 Landowner and OCD Notifications

In accordance with the approved closure plan and prior to commencing work, notification of closure was sent by XTO to the New Mexico State Land Office (the surface owner) and the OCD.

3.4 Tank Removal Closure Activities

On January 14, 2010, XTO removed ancillary equipment (i.e. metal barricade) for salvage or scrap metal. A Hydro-Vac truck was used to excavate soil around the tank. LAI personnel performed a site visit to collect a 5-part composite soil sample (Satellite 11 Bottom) from the bottom of the excavation.

The samples were analyzed for the following constituents: benzene, toluene, ethylbenzene, xylenes (BTEX) by method 8021B, total petroleum hydrocarbons (TPH) by method 418.1 and chloride by method 300.1. The Satellite 11 Bottom sample was below the chloride OCD reporting levels of 250 ppm (<4.55 ppm). The sample exceeded TPH OCD reporting level of 100 ppm (313 ppm). The sample was below detection limits for BTEX.

The OCD soil remediation ranking criteria was applied:

Ranking Criteria		Ranking Score:
Depth to Groundwater:	>100 feet	0
Wellhead Protection Area:	No	0
Distance to Surface Water Body:	>1000 horizontal feet	0
Total Score		0

Recommended Remediation Action Levels

Constituent	Action Level (ppm)
Benzene	10
BTEX	10
TPH	5,000

The concentrations of benzene, total BTEX and TPH for the Satellite 11 Bottom composite sample and was below the recommended remediation action levels of 10, 50 and 5,000 ppm, respectively.

Summary of analytical data is presented in Table 1. Analytical laboratory report is presented in Appendix A.

4.0 Conclusion and Recommendation

Based on the soil sample results, XTO requests approval from OCD District 1 to close the excavation according to the requirements of the closure plan approved by the OCD Santa Fe office. The initial and final C-141 forms are presented in Appendix B.

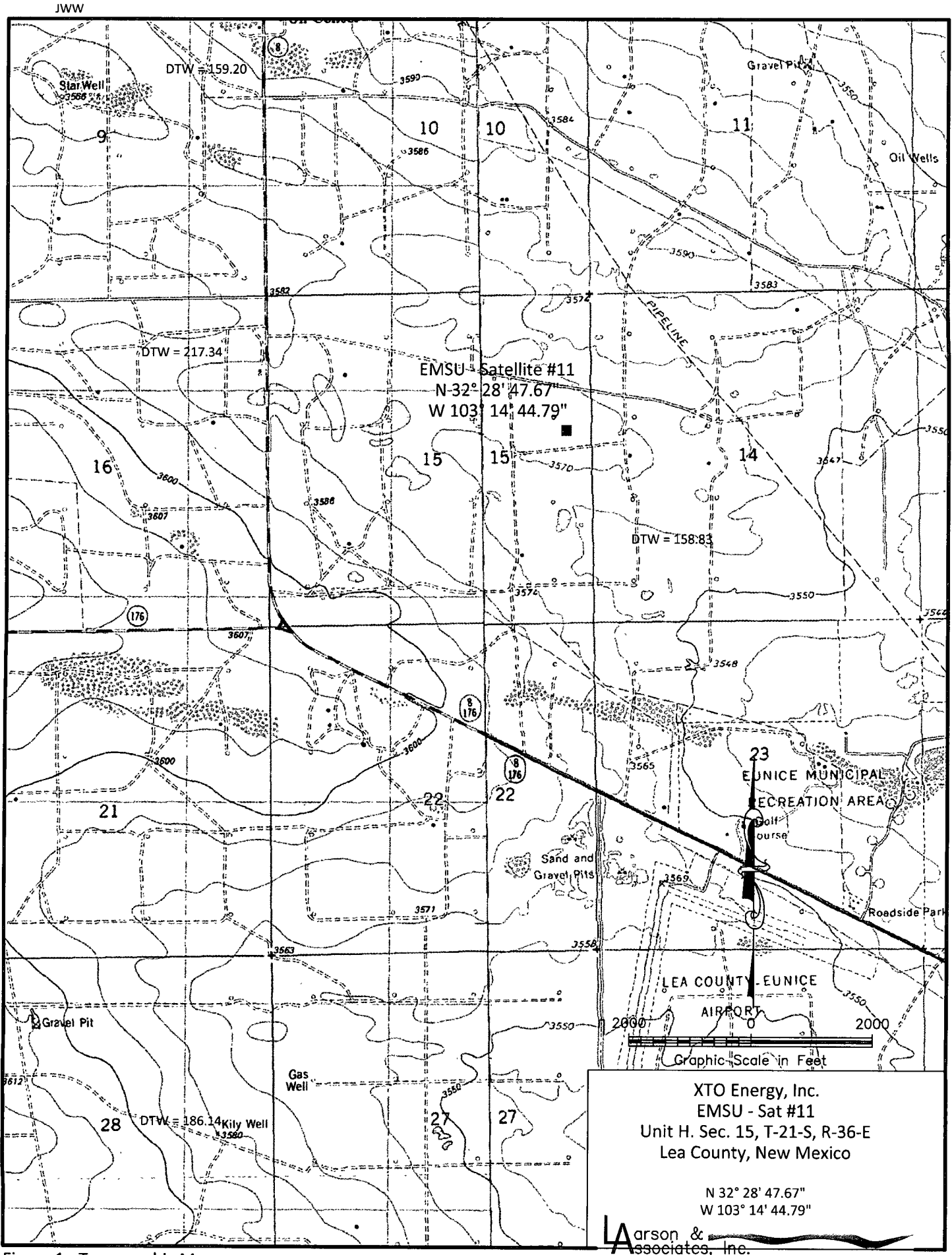
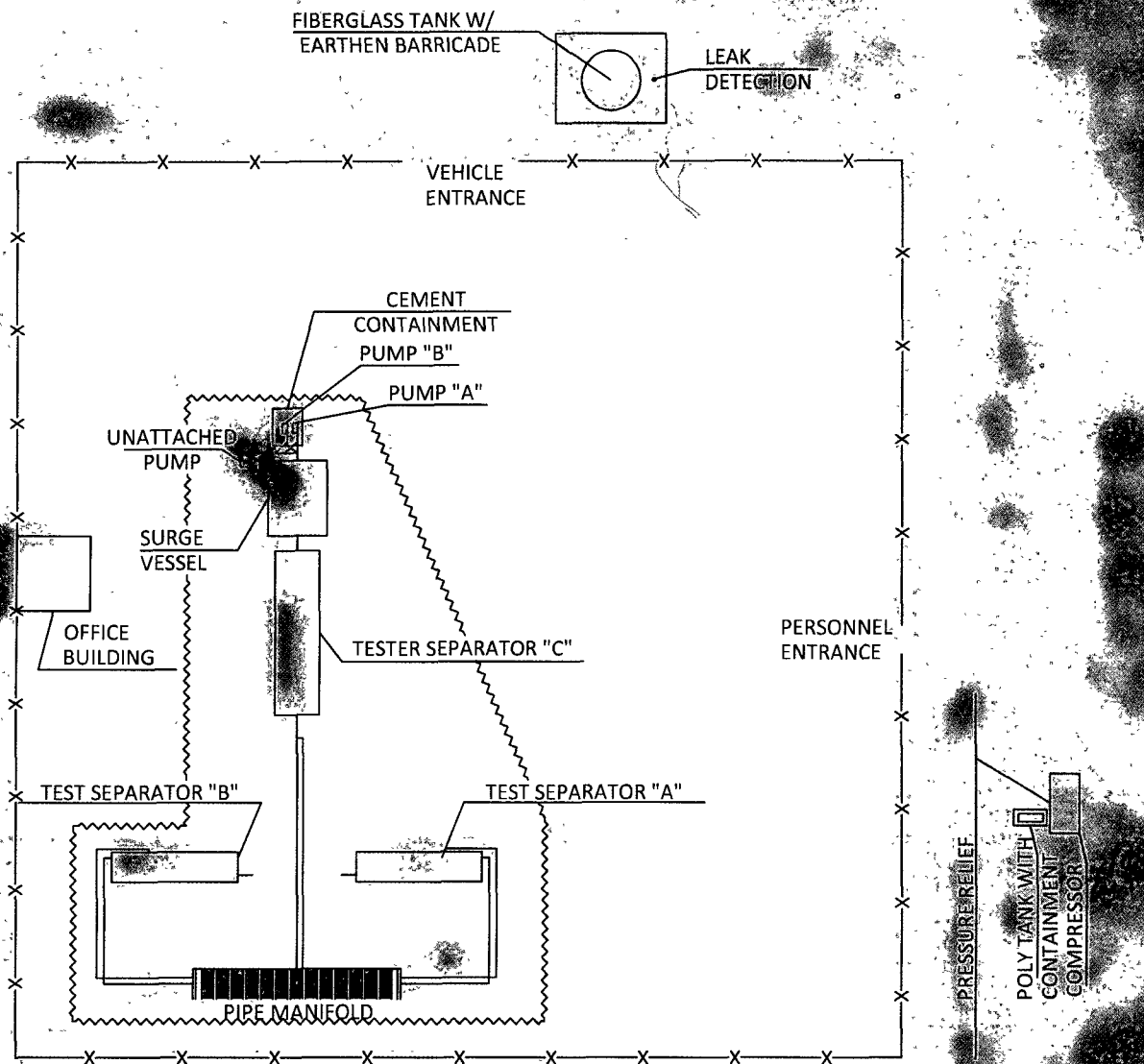


Figure 1 - Topographic Map

JWW



30 0 30

Graphic Scale in Feet

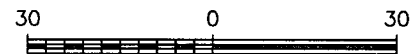
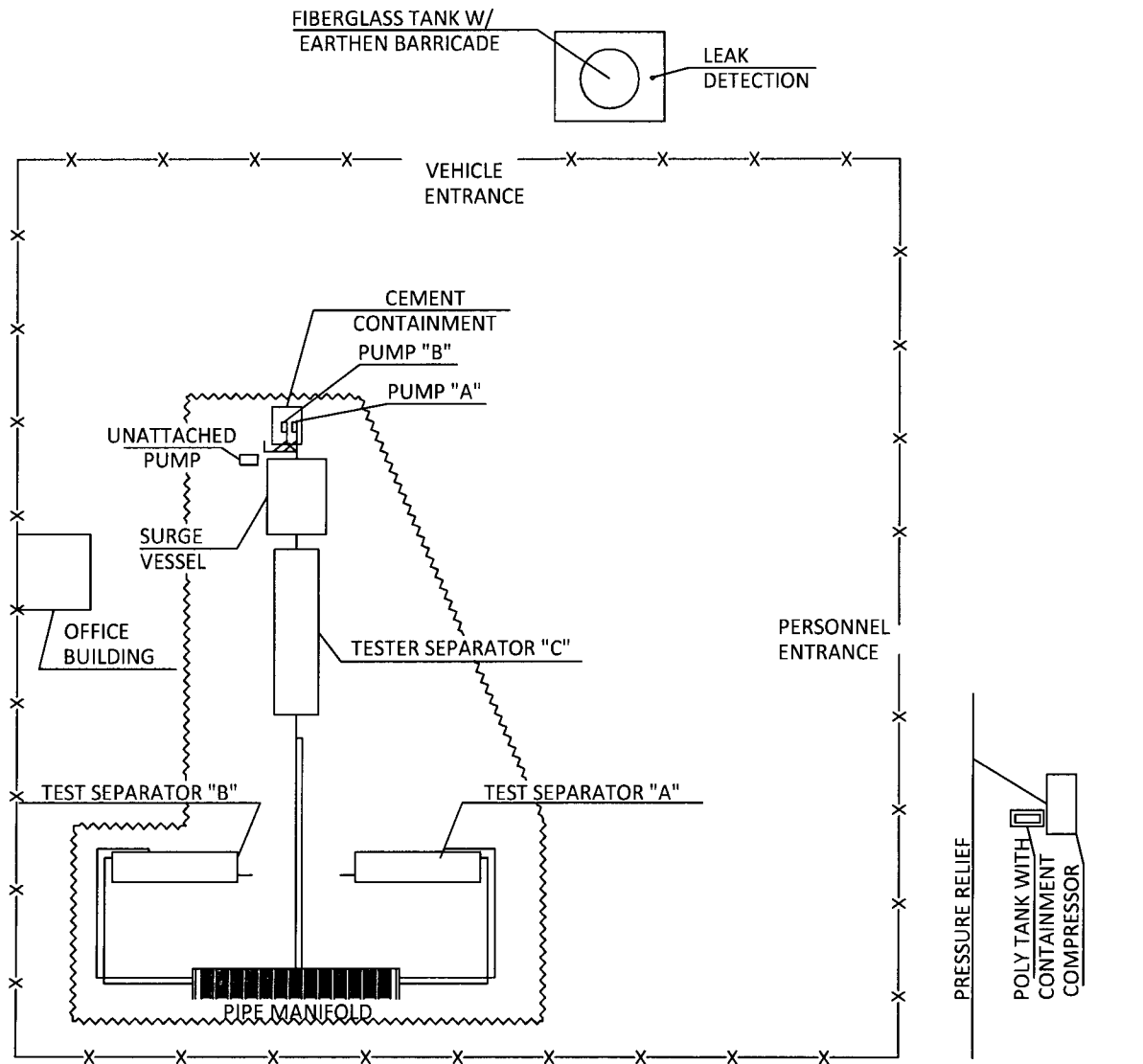
XTO Energy, Inc.
 EMSU - Sat #11
 Unit H. Sec. 15, T-21-S, R-36-E
 Lea County, New Mexico

N 32° 28' 47.67"
 W 103° 14' 44.79"

Larson &
 Associates, Inc.
 Environmental Consultants

Figure 2 - Aerial

JWW



Graphic Scale in Feet
 XTO Energy, Inc.
 EMSU - Sat #11
 Unit H. Sec. 15, T-21-S, R-36-E
 Lea County, New Mexico

N 32° 28' 47.67"
 W 103° 14' 44.79"

Figure 3 - Site Drawing

Analytical Report 358649

for

Larson & Associates

Project Manager: Michelle Green

EMSU Sat 11

8-0152

18-JAN-10



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12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AAL11), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

Xenco-Boca Raton (EPA Lab Code: FL00449): Florida(E86240),

South Carolina(96031001), Louisiana(04154), Georgia(917)



18-JAN-10

Project Manager: **Michelle Green**
Larson & Associates
P.O. Box 50685
Midland, TX 79710

Reference: XENCO Report No: **358649**
EMSU Sat 11
Project Address:

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Michelle Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 358649. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 358649 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 358649



Larson & Associates, Midland, TX

EMSU Sat 11

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Satellite # 11 Bottom	S	Jan-14-10 13:30		358649-001



CASE NARRATIVE

Client Name: Larson & Associates

Project Name: EMSU Sat 11

Project ID: 8-0152
Work Order Number: 358649

Report Date: 18-JAN-10
Date Received: 01/14/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-789643 Percent Moisture
None

Batch: LBA-789653 Inorganic Anions by EPA 300
None

Batch: LBA-789701 TPH by EPA 418.1
None

Batch: LBA-789708 BTEX by EPA 8021B
None



Certificate of Analysis Summary 358649

Larson & Associates, Midland, TX

Project Name: EMSU Sat 11

Project Id: 8-0152

Contact: Michelle Green

Project Location:

Date Received in Lab: Thu Jan-14-10 04:15 pm


Report Date: 18-JAN-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	358649-001				
	Field Id:	Satellite # 11 Bottom				
	Depth:					
	Matrix:	SOIL				
	Sampled:	Jan-14-10 13 30				
Anions by E300	Extracted:					
	Analyzed:	Jan-15-10 11 40				
	Units/RL:	mg/kg RL				
Chloride		ND 4 55				
BTEX by EPA 8021B	Extracted:	Jan-15-10 16 00				
	Analyzed:	Jan-16-10 19 04				
	Units/RL:	mg/kg RL				
Benzene		ND 0 0011				
Toluene		ND 0 0022				
Ethylbenzene		ND 0 0011				
m,p-Xylenes		ND 0 0022				
o-Xylene		ND 0 0011				
Total Xylenes		ND 0 0011				
Total BTEX		ND 0 0011				
Percent Moisture	Extracted:					
	Analyzed:	Jan-15-10 17 00				
	Units/RL:	% RL				
Percent Moisture		7 79 1 00				
TPH by EPA 418.1	Extracted:					
	Analyzed:	Jan-18-10 10 18				
	Units/RL:	mg/kg RL				
TPH, Total Petroleum Hydrocarbons		313 10 8				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II
Odessa Laboratory Manager

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- * Outside XENCO's scope of NELAC Accreditation.

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12600 West I-20 East, Odessa, TX 79765
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(305) 823-8500	(305) 823-8555
(432) 563-1800	(432) 563-1713
(361) 884-0371	(361) 884-9116

Form 2 - Surrogate Recoveries

Project Name: EMSU Sat 11

Work Orders : 358649,

Project ID: 8-0152

Lab Batch #: 789708

Sample: 547806-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 01/16/10 16:46

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0330	0.0300	110	80-120	
4-Bromofluorobenzene	0.0323	0.0300	108	80-120	

Lab Batch #: 789708

Sample: 547806-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 01/16/10 17:09

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0322	0.0300	107	80-120	
4-Bromofluorobenzene	0.0302	0.0300	101	80-120	

Lab Batch #: 789708

Sample: 547806-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 01/16/10 18:18

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0265	0.0300	88	80-120	
4-Bromofluorobenzene	0.0302	0.0300	101	80-120	

Lab Batch #: 789708

Sample: 358649-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 01/16/10 19:04

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0278	0.0300	93	80-120	
4-Bromofluorobenzene	0.0317	0.0300	106	80-120	

Lab Batch #: 789708

Sample: 358654-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 01/17/10 00:22

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,4-Difluorobenzene	0.0321	0.0300	107	80-120	
4-Bromofluorobenzene	0.0328	0.0300	109	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits, data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes



Form 2 - Surrogate Recoveries

Project Name: EMSU Sat 11

Work Orders : 358649,

Project ID: 8-0152

Lab Batch #: 789708

Sample: 358654-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 01/17/10 00:45

SURROGATE RECOVERY STUDY

BTEX by EPA 8021B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0322	0.0300	107	80-120	
4-Bromofluorobenzene	0.0314	0.0300	105	80-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits, data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes



Blank Spike Recovery



Project Name: EMSU Sat 11

Work Order #: 358649

Project ID:

8-0152

Lab Batch #: 789653

Sample: 789653-1-BKS

Matrix: Solid

Date Analyzed: 01/15/2010

Date Prepared: 01/15/2010

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK/BLANK SPIKE RECOVERY STUDY

Anions by E300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	10.0	10.3	103	75-125	

Blank Spike Recovery [D] = $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes

BRL - Below Reporting Limit

Project Name: EMSU Sat 11
Work Order #: 358649
Analyst: ASA
Date Prepared: 01/15/2010
Project ID: 8-0152
Date Analyzed: 01/16/2010
Lab Batch ID: 789708
Sample: 547806-1-BKS
Batch #: 1
Matrix: Solid
Units: mg/kg
BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	ND	0 1000	0 0985	99	0 1	0 0917	92	7	70-130	35	
Toluene	ND	0 1000	0 0996	100	0 1	0 0925	93	7	70-130	35	
Ethylbenzene	ND	0 1000	0 1001	100	0 1	0 0929	93	7	71-129	35	
m,p-Xylenes	ND	0 2000	0 2040	102	0 2	0 1890	95	8	70-135	35	
o-Xylene	ND	0 1000	0 1071	107	0 1	0 0996	100	7	71-133	35	

Analyst: LATCOR
Date Prepared: 01/18/2010
Date Analyzed: 01/18/2010
Lab Batch ID: 789701
Sample: 789701-1-BKS
Batch #: 1
Matrix: Solid
Units: mg/kg
BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by EPA 418.1	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
TPH, Total Petroleum Hydrocarbons	ND	2500	2870	115	2500	2870	115	0	65-135	35	

 Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$

 Blank Spike Recovery [D] = $100 * (C)/[B]$

 Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries

Project Name: EMSU Sat 11



Work Order #: 358649

Lab Batch #: 789653

Date Analyzed: 01/15/2010

Date Prepared: 01/15/2010

Project ID: 8-0152

Analyst: LATCOR

QC- Sample ID: 358528-001 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	41.9	105	153	106	75-125	

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$
Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Project Name: EMSU Sat 11

Work Order #: 358649

Project ID: 8-0152

Lab Batch ID: 789708

QC- Sample ID: 358654-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 01/17/2010

Date Prepared: 01/15/2010

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
Benzene	ND	0 1036	0 0823	79	0 1038	0 0831	80	1	70-130	35	
Toluene	ND	0 1036	0 0804	78	0 1038	0 0823	79	2	70-130	35	
Ethylbenzene	ND	0 1036	0 0796	77	0 1038	0 0820	79	3	71-129	35	
m,p-Xylenes	ND	0 2072	0 1664	80	0 2076	0 1703	82	2	70-135	35	
o-Xylene	ND	0 1036	0 0872	84	0 1038	0 0890	86	2	71-133	35	

Lab Batch ID: 789701

QC- Sample ID: 358525-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 01/18/2010

Date Prepared: 01/18/2010

Analyst: LATCOR

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

TPH by EPA 418.1	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes											
TPH, Total Petroleum Hydrocarbons	72 6	5230	5550	105	5230	5570	105	0	65-135	35	

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot |(C-F)/(C+F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery

Project Name: EMSU Sat 11

Work Order #: 358649

Lab Batch #: 789653

Project ID: 8-0152

Date Analyzed: 01/15/2010

Date Prepared: 01/15/2010

Analyst: LATCOR

QC- Sample ID: 358528-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	41.9	42.9	2	20	

Lab Batch #: 789643

Date Analyzed: 01/15/2010

Date Prepared: 01/15/2010

Analyst: JLG

QC- Sample ID: 358654-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Percent Moisture	3.67	4.31	16	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes

BRL - Below Reporting Limit



No 38522
CHAIN-OF-CUSTODY

DATE: 01/14/10 PAGE 1 OF 1

PO #: _____ DHL WORK ORDER #: _____

PROJECT LOCATION OR NAME: EMSU SAT 11

CLIENT PROJECT #: 8-0152 COLLECTOR: R. Broder

CLIENT PROJECT #: 8-0152 COLLECTOR: R. Brooks

[illegible]

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson & Assoc.
 Date/ Time: 1.14.10 10:15
 Lab ID #: 358649
 Initials: AL

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	<u>Yes</u>	No	4.1 °C
#2	Shipping container in good condition?	<u>Yes</u>	No	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	<u>Not Present</u>
#4	Custody Seals intact on sample bottles/ container?	Yes	No	<u>Not Present</u>
#5	Chain of Custody present?	<u>Yes</u>	No	
#6	Sample instructions complete of Chain of Custody?	<u>Yes</u>	No	
#7	Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No	
#8	Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No	ID written on Cont./ Lid
#9	Container label(s) legible and intact?	<u>Yes</u>	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No	
#11	Containers supplied by ELOT?	<u>Yes</u>	No	
#12	Samples in proper container/ bottle?	<u>Yes</u>	No	See Below
#13	Samples properly preserved?	<u>Yes</u>	No	See Below
#14	Sample bottles intact?	<u>Yes</u>	No	
#15	Preservations documented on Chain of Custody?	<u>Yes</u>	No	
#16	Containers documented on Chain of Custody?	<u>Yes</u>	No	
#17	Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No	See Below
#18	All samples received within sufficient hold time?	<u>Yes</u>	No	See Below
#19	Subcontract of sample(s)?	Yes	No	<u>Not Applicable</u>
#20	VOC samples have zero headspace?	<u>Yes</u>	No	Not Applicable

Variance Documentation

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

Regarding: _____

Corrective Action Taken:

- Check all that Apply:
- ☐ See attached e-mail/ fax
 - ☐ Client understands and would like to proceed with analysis
 - ☐ Cooling process had begun shortly after sampling event

RECEIVED

1RP-10-01-

FEB 04 2010

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

HOBBSSOCD

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 Permian Division - SE New Mexico	Contact: Rick Wilson/Production Foreman
Address: P.O. Box 700, Eunice, New Mexico 88231	Telephone No.: (575) 394-2089
Facility Name: EMSU - Satellite No. 11	Facility Type: Tank Battery - Nearest Well is EMSU #389 (API #30-025-04264) 04631

Surface Owner: State of New Mexico	Mineral Owner	Lease No.
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LOCATION OF RELEASE

Unit Letter H	Section 15	Township 21S	Range 36E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
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Latitude: N 32° 28' 47.64" Longitude: W 103° 14' 44.94"

NATURE OF RELEASE

Type of Release: Crude Oil and Water	Volume of Release: Unknown	Volume Recovered: N/A
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: Unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.*

WATER @ 160

Describe Cause of Problem and Remedial Action Taken.* Below grade tank removed per OCD approved closure plan. Initial composite sample (5-spot) from bottom of tank excavation shows evidence of a release. TPH was detected at 313 ppm exceeding the reporting limit of 100 ppm. The result meets the Recommended Remediation Action Level (RRAL) of 5000 ppm for TPH. Propose to close with clean soil.

Describe Area Affected and Cleanup Action Taken.* No cleanup action was taken at this time; the TPH was below RRAL (5000 ppm). XTO request to close tank excavation per OCD approved closure plan.

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.

OIL CONSERVATION DIVISION

Signature: *William Haykus*

Printed Name: Guy Haykus - XTO Energy

Title: *Production Superintendent*

E-mail Address: William_haykus@xtoenergy.com

Date: 1/19/2010

Phone: (432) 682-8873

ENR ENGINEER:
Approved by District Supervisor: *Jeffrey Gehring*

Approval Date: 02/01/10

Expiration Date: 04/01/10

Conditions of Approval: SUBMIT FINAL
C-141 BY 04/01/10

Attached ☐

IRP 10-2-2407

Attach Additional Sheets If Necessary

PCN 10032 32628

IRP-10-01-2-2407

RECEIVED

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Energy Minerals and Natural Resources

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1220 South St. Francis Dr.
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FEB 04 2010

HOBBSD

Form C-141

Revised October 10, 2003

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Signature: <i>William Haykus</i>	OIL CONSERVATION DIVISION	
Printed Name: Guy Haykus - XTO Energy	Approved by District Supervisor: <i>Jeffrey Selinger</i>	
Title: <i>Production Superintendent</i>	Approval Date: <i>02/03/10</i>	Expiration Date:
E-mail Address: William_haykus@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1/19/2010 Phone: (432) 682-8873	IRP-10-2-2407	

* Attach Additional Sheets If Necessary